



SDR and HDR Settings Guide

This guide will indicate how to set the parameters of SDR and HDR color modes for applicable monitors.

Applicable Monitors

ColorEdge CG3145, CG319X, CG279X

Conditions

1. The settings described in this document are supported by the following firmware versions.

If you are using an older version, please update to the latest version by clicking on the appropriate link below.

CG3145: <https://www.eizoglobal.com/support/db/products/software/CG3145#tab02>

CG319X: <https://www.eizoglobal.com/support/db/products/software/CG319X#tab02>

CG279X: This model ships with the supported firmware version.

When updating the above monitors to the latest firmware, the monitor OSD settings and ColorNavigator NX settings are forcibly reset.

2. Each time you change color modes, especially between HDR and SDR, allowing 30 minutes of aging time is recommended.
3. When making a validation, it is recommended to calibrate the monitor with ColorNavigator 7 in advance and use the same sensor for the validation.
The CG3145 will support ColorNavigator 7 (ver. 7.0.2) from January, 2019.

Table of Contents

You can adjust your monitor's settings using *either* the monitor OSD or ColorNavigator 7 software.

Click on or navigate to the section with your preferred method and follow the steps.

I. ColorEdge PROMINENCE CG3145

1. OSD Adjustment

1.1	BT.2020 (SDR)	3
1.2	BT.709 (SDR)	4
1.3	DCI (SDR)	5
1.4	PQ_BT.2100 (HDR)	6
1.5	PQ_BT.2100 (HDR) PQ Clipping: 4000 cd/m ²	7
1.6	PQ_DCI (HDR)	8
1.7	HLG_BT.2100	9

2. ColorNavigator 7 Adjustment

2.1	BT.2020 (SDR)	10
2.2	BT.709 (SDR)	11
2.3	DCI (SDR)	12
2.4	PQ_BT.2100 (HDR)	13
2.5	PQ_DCI (HDR)	14
2.6	HLG_BT.2100 (HDR)	15

II. ColorEdge CG319X and CG279X

1. OSD Adjustment

1.1	BT.2020 (SDR)	16
1.2	BT.709 (SDR)	17
1.3	DCI (SDR)	18
1.4	PQ_DCI (HDR) PQ / HLG Clipping: 300 cd/m ²	19
1.5	PQ_DCI (HDR) PQ / HLG Clipping: 1000 cd/m ²	20
1.6	PQ_BT.2100 (HDR) PQ / HLG Clipping: 300 cd/m ²	21
1.7	PQ_BT.2100 (HDR) PQ / HLG Clipping: 1000 cd/m ²	22
1.8	HLG_BT.2100 (HDR) PQ / HLG Clipping: ON	23
1.9	HLG_BT.2100 (HDR) PQ / HLG Clipping: OFF	24

2. ColorNavigator 7 Adjustment

2.1	BT.2020 (SDR)	25
2.2	BT.709 (SDR)	26
2.3	DCI (SDR)	27
2.4	PQ_DCI (HDR) PQ Clipping: 300 cd/m ²	28
2.5	PQ_DCI (HDR) PQ Clipping: 1000 cd/m ²	29
2.6	PQ_BT.2100 (HDR) PQ Clipping: 300 cd/m ²	30
2.7	PQ_BT.2100 (HDR) PQ Clipping: 1000 cd/m ²	31
2.8	HLG_BT.2100 (HDR) HLG Clipping: ON	32
2.9	HLG_BT.2100 (HDR) HLG Clipping: OFF	33

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: BT.2020	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited (109% White)
③ Color Mode	BT.2020
④ Brightness	123 cd/m ²
⑤ Gamma (EOTF)	2.4

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

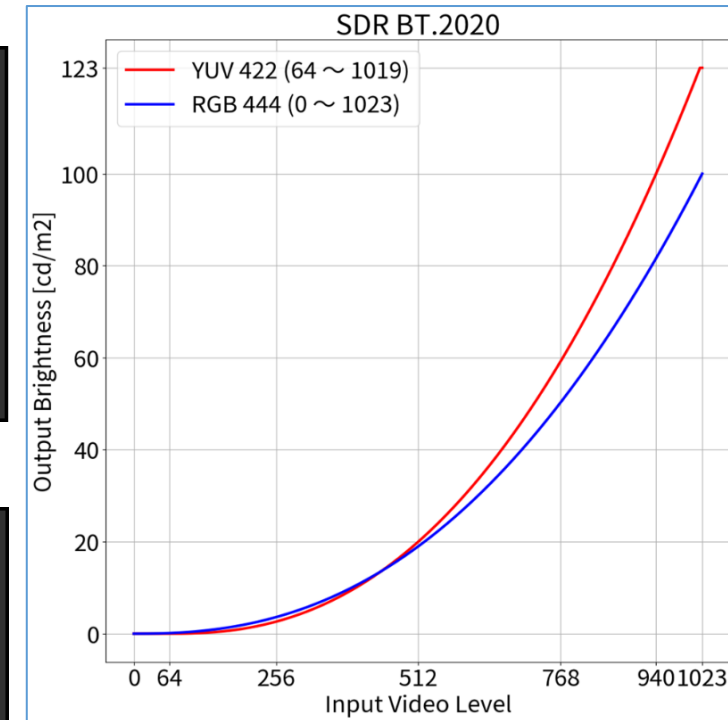
Color mode: BT.2020	
RGB444	
② Input Range	Full
③ Color Mode	BT.2020
④ Brightness	100 cd/m ²
⑤ Gamma (EOTF)	2.4

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT.709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[-]
HLG System Gamma	[-]
Color Gamut	[BT.709]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: BT.709	
YUV422	
① YUV Color Matrix	BT.709
② Input Range	Limited (109% White)
③ Color Mode	BT.709
④ Brightness	123 cd/m ²
⑤ Gamma (EOTF)	2.4

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

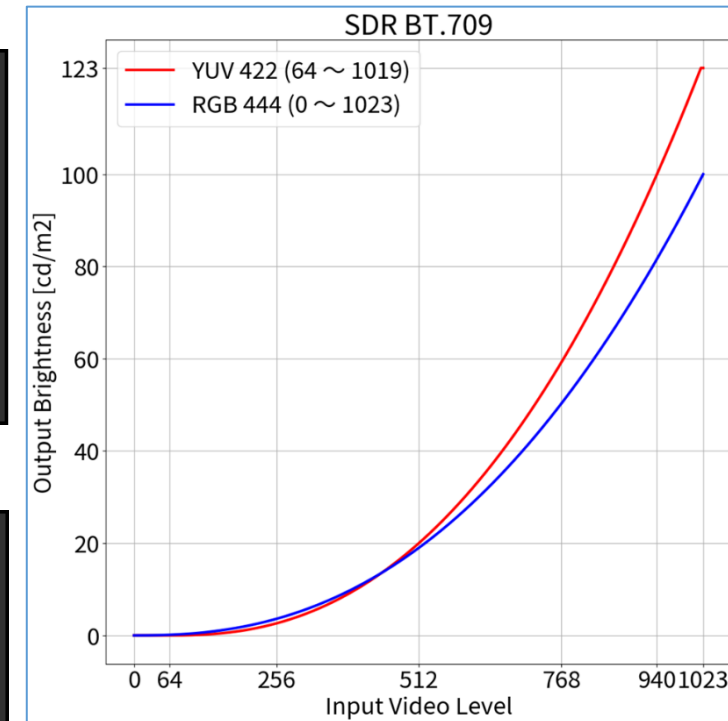
Color mode: BT.709	
RGB444	
② Input Range	Full
③ Color Mode	BT.709
④ Brightness	100 cd/m ²
⑤ Gamma (EOTF)	2.4

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT.709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[-]
HLG System Gamma	[-]
Color Gamut	[BT.709]
Advanced Settings	
Reset	



When using RGB444:

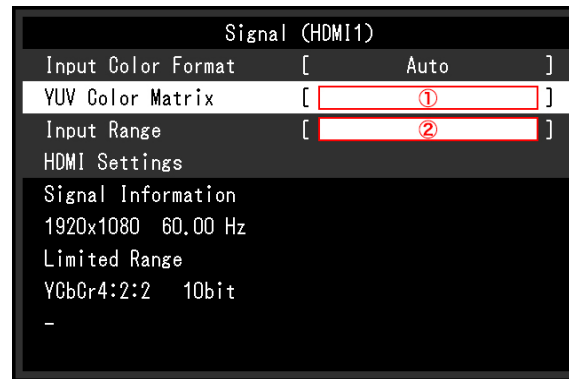
1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: DCI

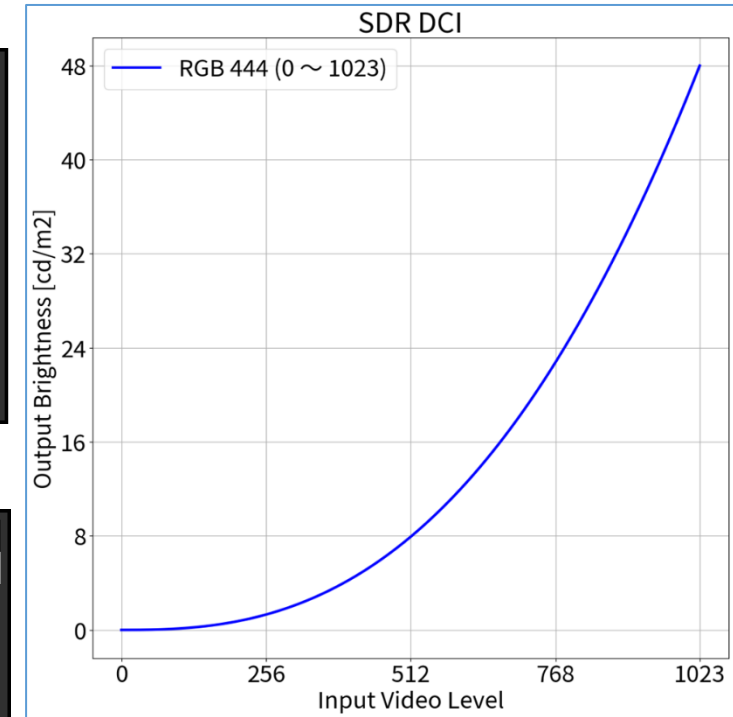
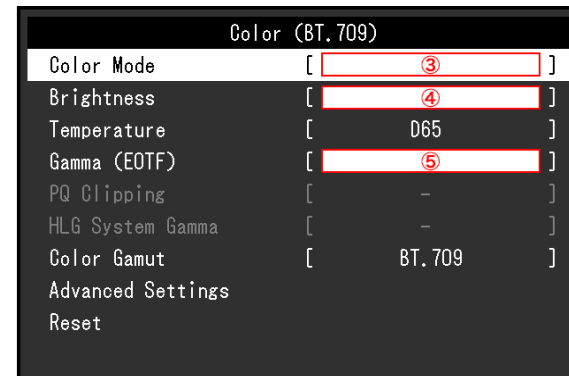
RGB444

② Input Range	Full
③ Color Mode	DCI
④ Brightness	48 cd/m ²
⑤ Gamma (EOTF)	2.6

Signal Options



Color Options



When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: PQ_BT.2100	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	PQ_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	PQ

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

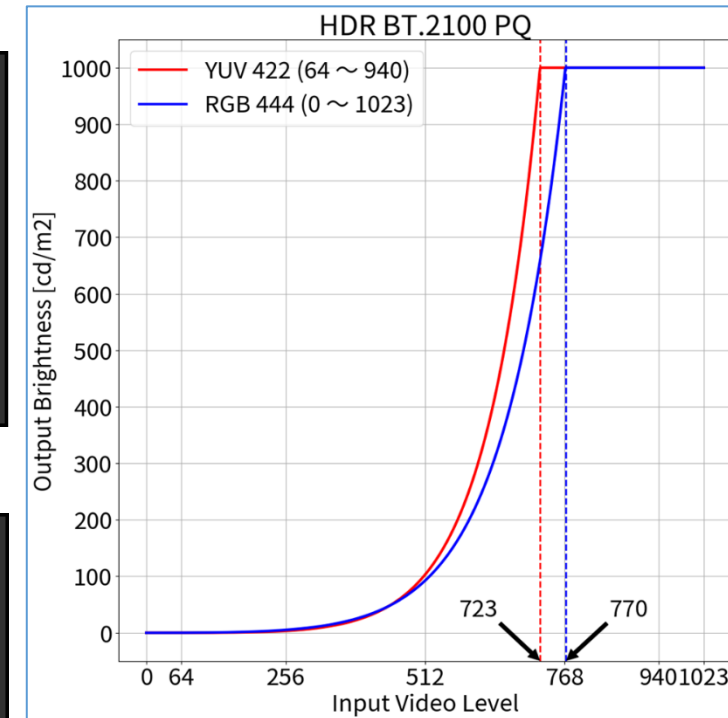
Color mode: PQ_BT.2100	
RGB444	
② Input Range	Full
③ Color Mode	PQ_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	PQ

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT.709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[-]
HLG System Gamma	[-]
Color Gamut	[BT.709]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

- Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- Set items ① ~ ② (**Signal**) and ③ ~ ⑥ (**Color**)

Color mode: PQ_BT.2100	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	PQ_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ Clipping	4000 cd/m ²

When using RGB444:

- Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
- Set items ② (**Signal**) and ③ ~ ⑥ (**Color**)

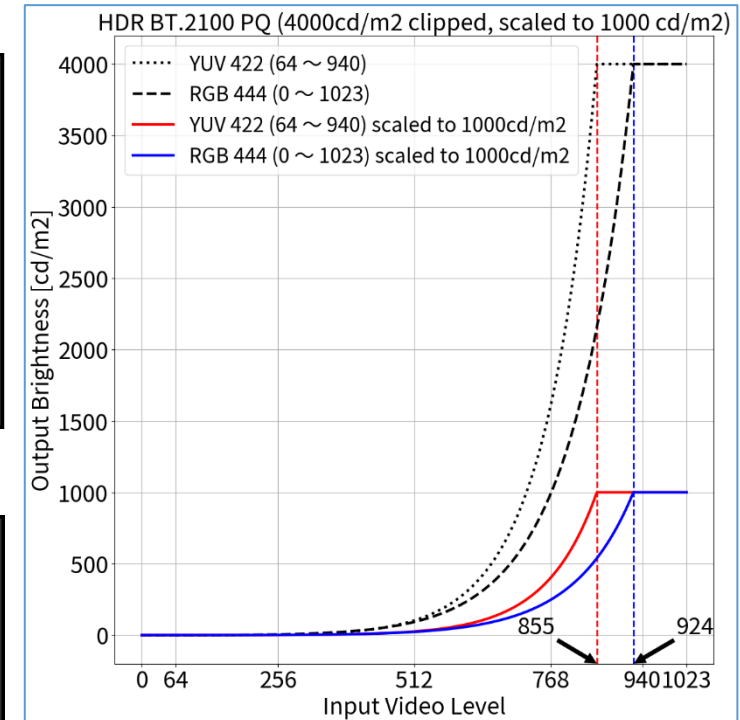
Color mode: PQ_BT.2100	
RGB444	
② Input Range	Full
③ Color Mode	PQ_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ Clipping	4000 cd/m ²

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT.709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[⑥]
HLG System Gamma	[-]
Color Gamut	[BT.709]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using RGB444:

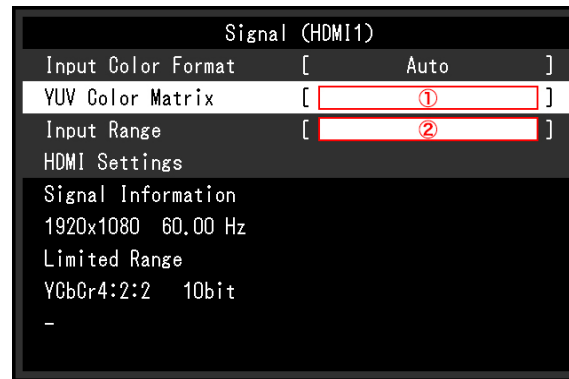
1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: PQ_DCI

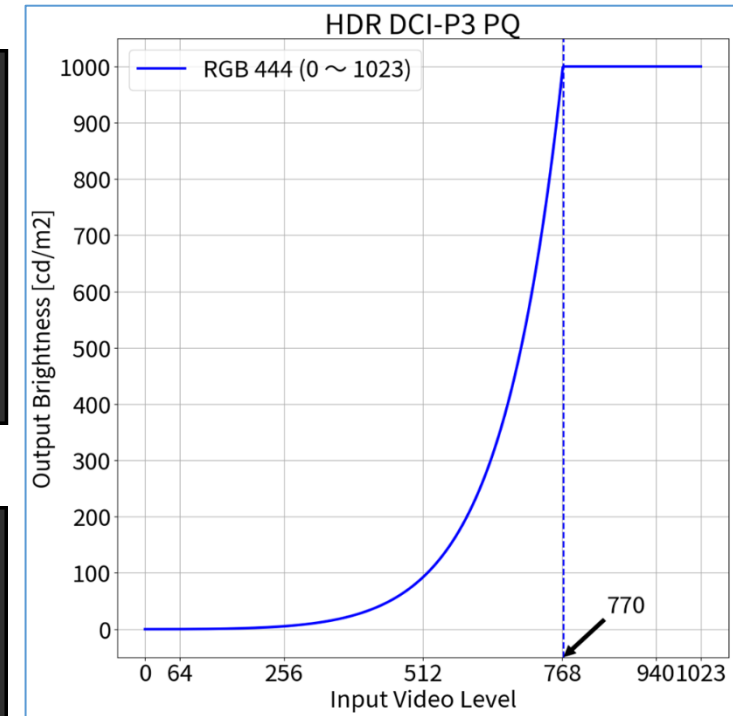
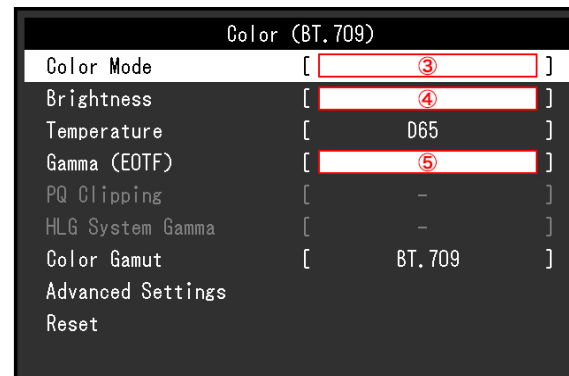
RGB444

② Input Range	Full
③ Color Mode	PQ_DCI
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	PQ

Signal Options



Color Options



When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: HLG_BT.2100	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	HLG_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	HLG

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**) as indicated

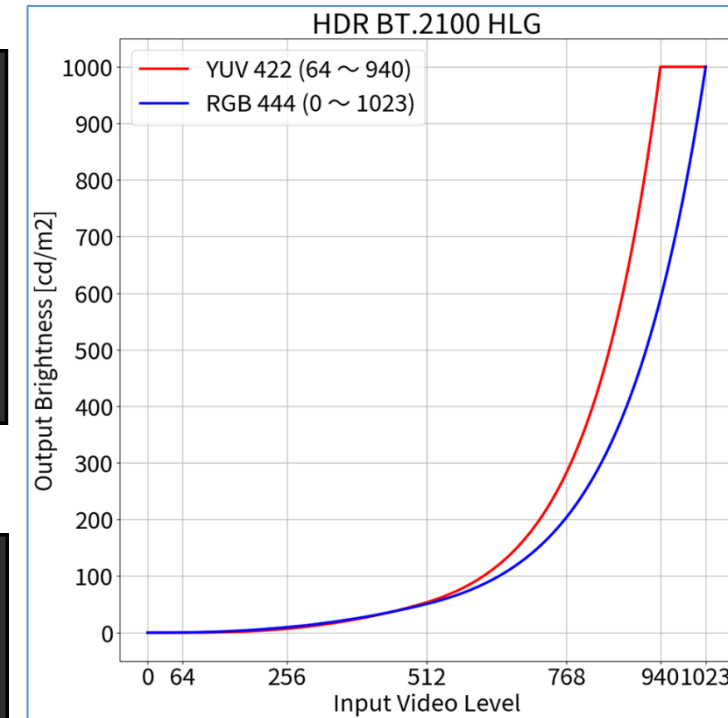
Color mode: HLG_BT.2100	
RGB444	
② Input Range	Full
③ Color Mode	HLG_BT.2100
④ Brightness	1000 cd/m ²
⑤ Gamma (EOTF)	HLG

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT.709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[-]
HLG System Gamma	[-]
Color Gamut	[BT.709]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2020**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

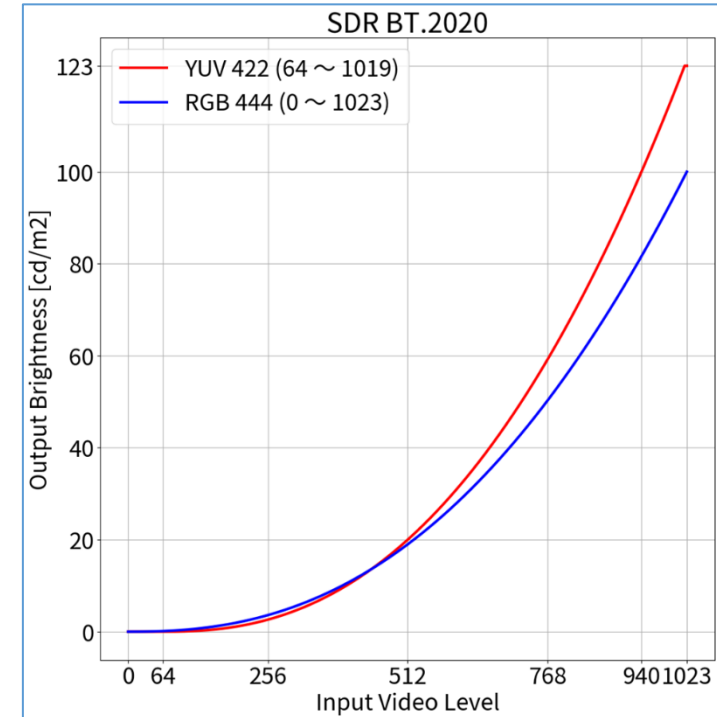
Color mode: BT.2020	
YUV422	
① Brightness	123 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited (109% White)

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2020**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: BT.2020	
RGB444	
① Brightness	100 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options



Signal Options

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.709**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: BT.709	
YUV422	
① Brightness	123 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.709
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.709
② Input Range	Limited (109% White)

When using RGB444:

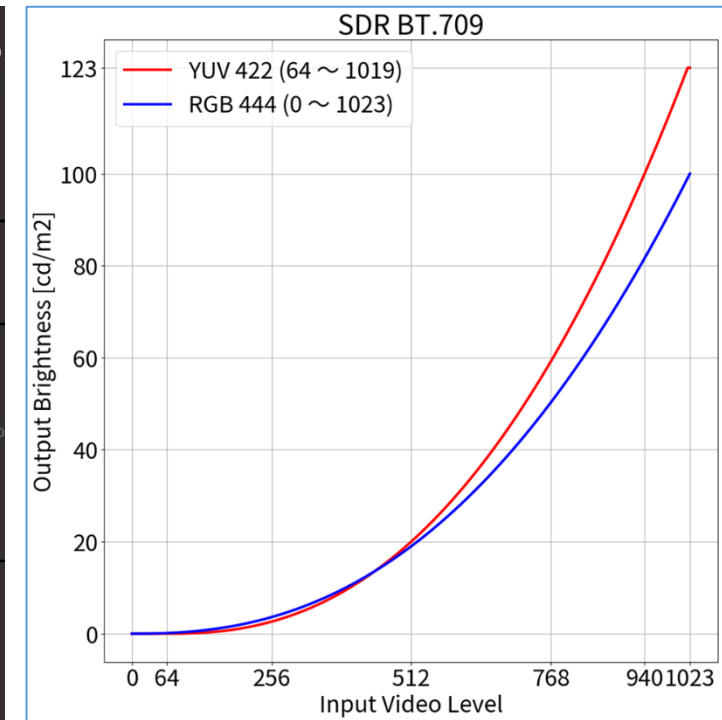
1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.709**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: BT.709	
RGB444	
① Brightness	100 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.709
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

The screenshot shows the ColorNavigator 7 Options menu with the following settings and callouts:

- Brightness:** Standard Input, 1000 cd/m². Callout ① is on the Brightness icon.
- Black level:** Minimum. Callout ② is on the Black level icon.
- White point:** Standard value, D65 (0.3127, 0.3290). Callout ③ is on the White point icon.
- Gamma (EOTF):** Standard value, PQ. Callout ④ is on the Gamma icon. PQ Clipping is 1000 cd/m² (Callout ⑤) and HLG System Gamma is 1.20 (Callout ⑥).
- Priority:** Standard. Callout ⑦ is on the Priority icon.
- Gamut:** Standard value, BT.2020. Callout ⑧ is on the Gamut icon. Gamut Clipping is checked (Callout ⑨).



Signal Options

The screenshot shows the Signal (HDMI1) options menu with the following settings and callouts:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings
- Signal Information: 1920x1080 60.00 Hz
- Limited Range
- YCbCr4:2:2 10bit

2.3

ColorNavigator 7 Adjustment – Color Mode: DCI (SDR)

When using RGB444:

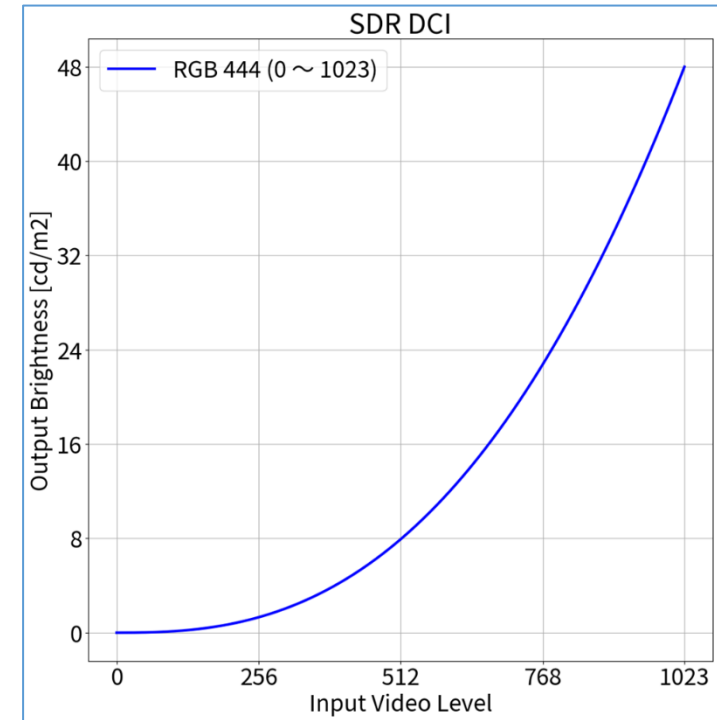
1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **DCI**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **DCI**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: DCI	
RGB444	
① Brightness	48 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.6
⑦ Priority	Standard
⑧ Gamut	DCI
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

The screenshot shows the ColorNavigator 7 OSD menu with the following settings and callouts:

- Brightness:** 1000 cd/m² (Callout ①)
- Black level:** Minimum (Callout ②)
- White point:** D65 (0.3127, 0.3290) (Callout ③)
- Gamma (EOTF):** PQ (Callout ④), PQ Clipping 1000 cd/m² (Callout ⑤), HLG System Gamma 1.20 (Callout ⑥)
- Priority:** Standard (Callout ⑦)
- Gamut:** Standard value (Callout ⑧), BT.2020, Gamut Clipping checked (Callout ⑨)



Signal Options

The screenshot shows the Signal (HDMI1) options menu with the following settings:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings:
 - Signal Information: 1920x1080 60.00 Hz
 - Limited Range
 - YCbCr4:2:2 10bit

2.4

ColorNavigator 7 Adjustment – Color Mode: PQ_BT.2100 (HDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **PQ_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

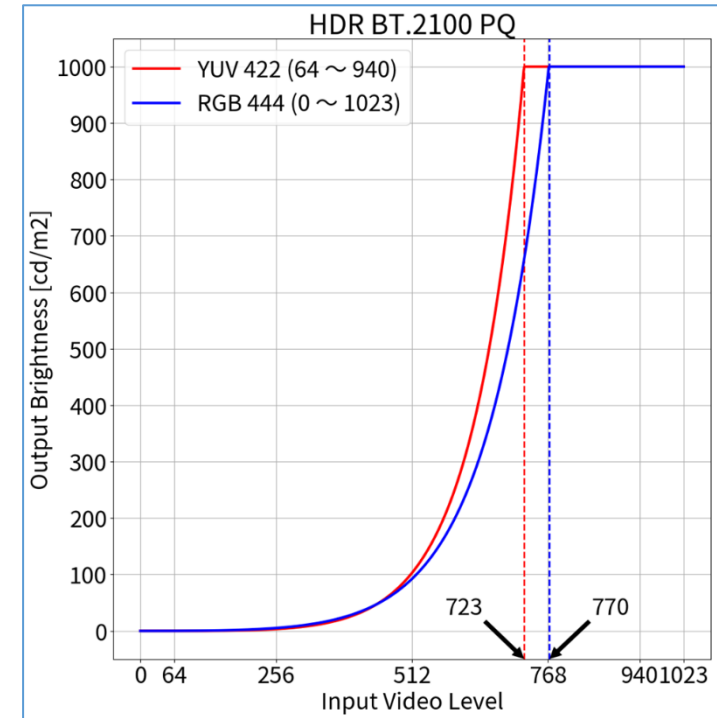
Color mode: PQ_BT.2100	
YUV422	
① Brightness	1000 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **PQ_BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_BT.2100	
RGB444	
① Brightness	1000 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options



Signal Options

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

2.5

ColorNavigator 7 Adjustment – Color Mode: PQ_DCI (HDR)

When using RGB444:

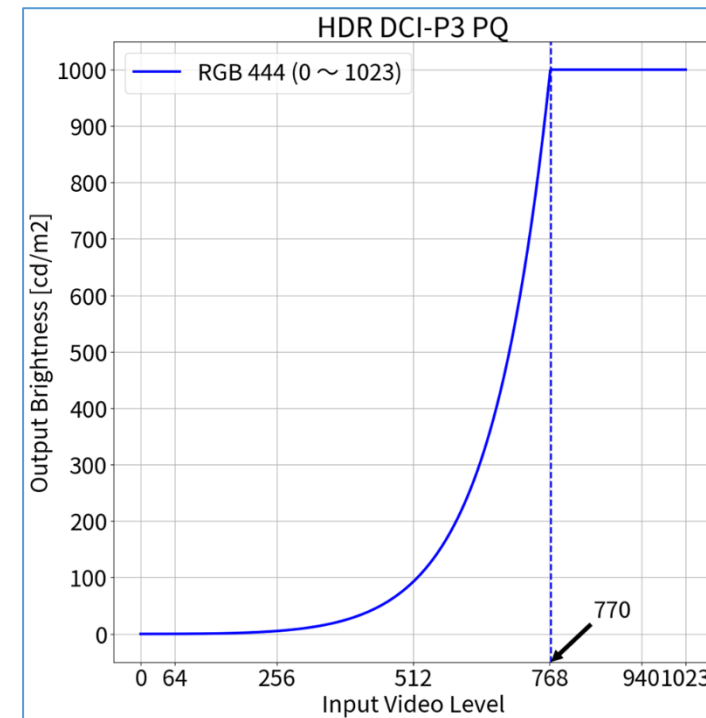
1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **PQ_DCI**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_DCI**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_DCI	
RGB444	
① Brightness	1000 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000
⑦ Priority	Standard
⑧ Gamut	DCI
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

The screenshot shows the ColorNavigator 7 Options menu with the following settings and callouts:

- Brightness:** Standard Input, 1000 cd/m² (Callout ①)
- Black level:** Minimum (Callout ②)
- White point:** Standard value, D65 (0.3127, 0.3290) (Callout ③)
- Gamma (EOTF):** Standard value, PQ (Callout ④), PQ Clipping 1000 cd/m² (Callout ⑤), HLG System Gamma 1.20 (Callout ⑥)
- Priority:** Standard (Callout ⑦)
- Gamut:** Standard value, BT.2020 (Callout ⑧), Gamut Clipping checked (Callout ⑨)



Signal Options

The screenshot shows the Signal (HDMI1) options menu with the following settings:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings:
 - Signal Information: 1920x1080 60.00 Hz
 - Limited Range
 - YCbCr4:2:2 10bit

2.6

ColorNavigator 7 Adjustment – Color Mode: HLG_BT.2100 (HDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ④ and ⑥ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100	
YUV422	
① Brightness	1000 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑥ HLG System Gamma	1.2
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ④ and ⑥ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100	
RGB444	
① Brightness	1000 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑥ HLG System Gamma	1.2
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

Brightness Standard Input
 1000 cd/m² [Slider: 300 to 1000] **①**

Manual
 [Slider: 0 to 1000] cd/m²

Minimum

Maximum

Black level Minimum **②**

Manual
 [Slider: 0 to 1000] cd/m²

White point Standard value **③**

D65 [Dropdown] (0.3127, 0.3290)

Color Temperature
 [Slider: 4000 to 10000] K

Coordinate
 x: [Slider: 0.3127 to 0.3290] y: [Slider: 0.3127 to 0.3290]

Gamma (EOTF) Standard value **④**

PQ [Dropdown] **⑤**

PQ Clipping 1000 [Dropdown] cd/m² **⑥**

HLG System Gamma 1.20 [Dropdown] **⑥**

Standard Input
 [Slider: 1.6 to 2.7]

Manual
 [Slider: 1.6 to 2.7]

L*

LUT
 Import LUT file...

Priority Standard **⑦**

Gray balance

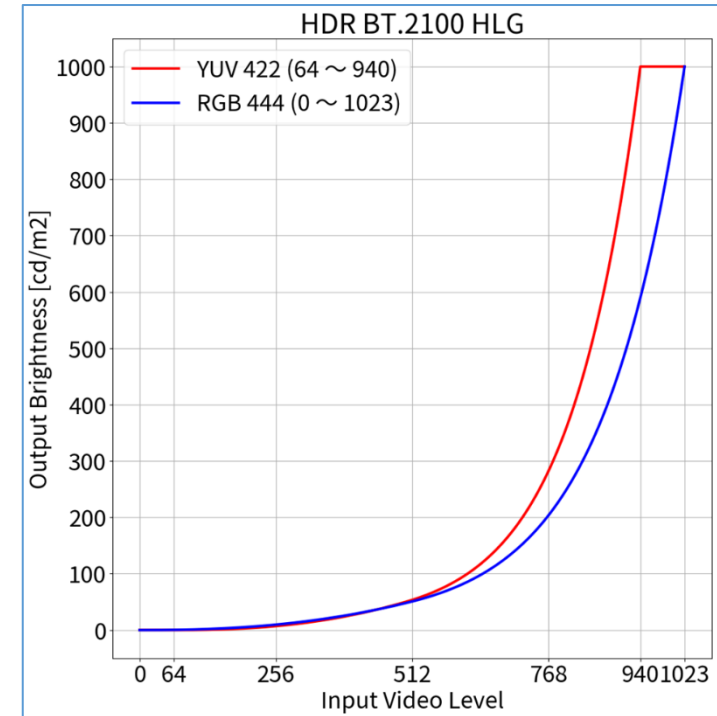
Fixed gamma

Gamut Native **⑧**

Standard value
 BT.2020 [Dropdown] R (0.7080, 0.2920)
 G (0.1700, 0.7970)
 B (0.1310, 0.0460)

Gamut Clipping **⑨**

Manual



Signal Options

Signal (HDMI1)

Input Color Format [Auto]

YUV Color Matrix [①]

Input Range [②]

HDMI Settings

Signal Information

1920x1080 60.00 Hz

Limited Range

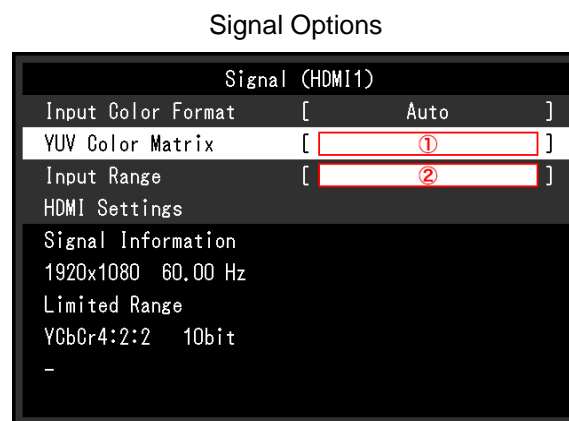
YCbCr4:2:2 10bit

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

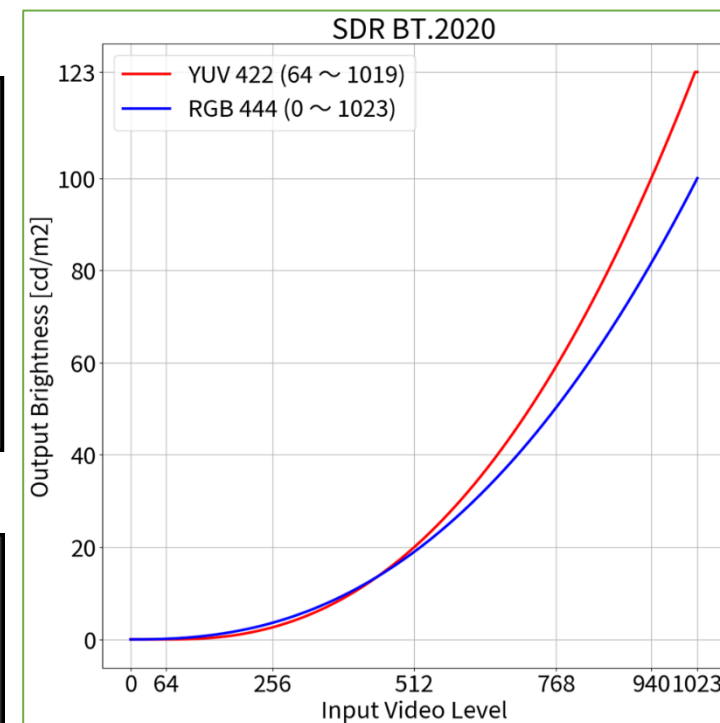
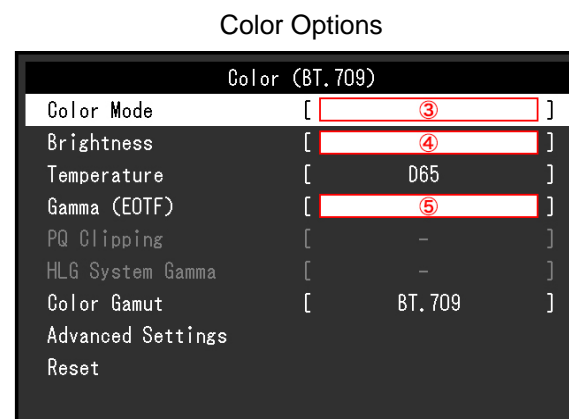
1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: BT.2020	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited (109% White)
③ Color Mode	BT.2020
④ Brightness	123 cd/m ²
⑤ Gamma (EOTF)	2.4

**When using RGB444:**

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: BT.2020	
RGB444	
② Input Range	Full
③ Color Mode	BT.2020
④ Brightness	100 cd/m ²
⑤ Gamma (EOTF)	2.4

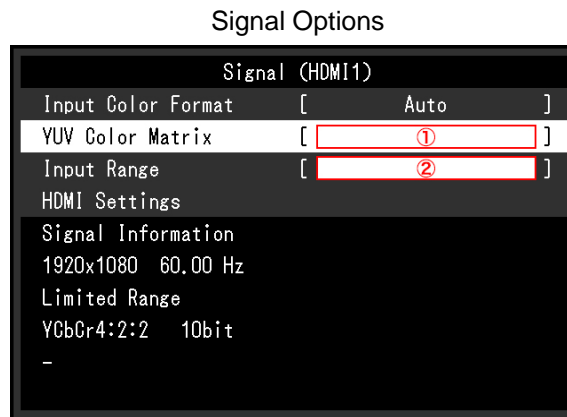


¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑤ (**Color**)

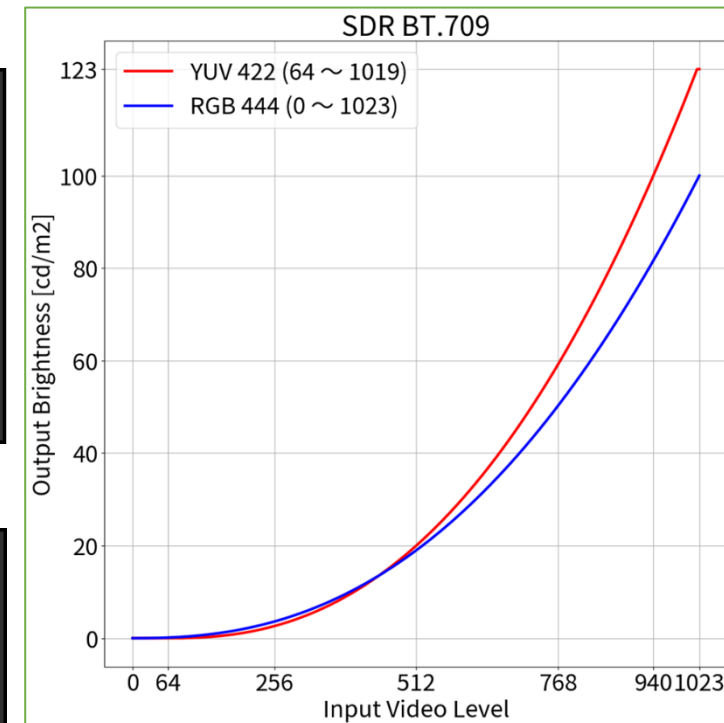
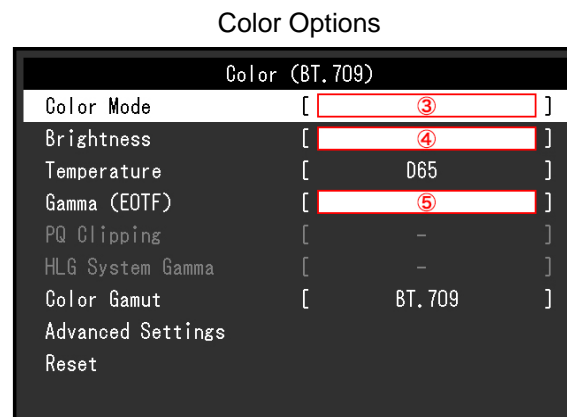
Color mode: BT.709	
YUV422	
① YUV Color Matrix	BT.709
② Input Range	Limited (109% White)
③ Color Mode	BT.709
④ Brightness	123 cd/m ²
⑤ Gamma (EOTF)	2.4



When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

Color mode: BT.709	
RGB444	
② Input Range	Full
③ Color Mode	BT.709
④ Brightness	100 cd/m ²
⑤ Gamma (EOTF)	2.4



When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑤ (**Color**)

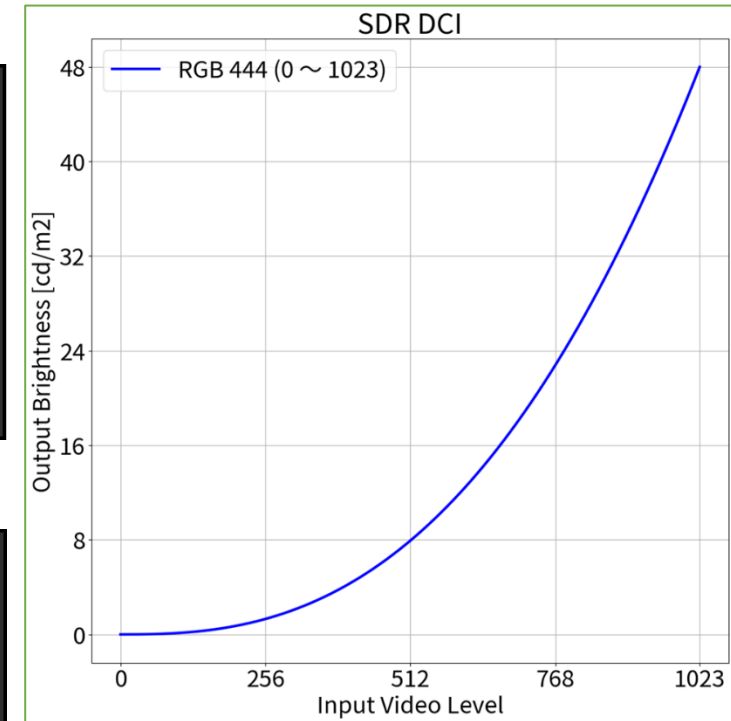
Color mode: DCI		
RGB444		
②	Input Range	Full
③	Color Mode	DCI
④	Brightness	48 cd/m ²
⑤	Gamma (EOTF)	2.6

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (BT. 709)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ Clipping	[-]
HLG System Gamma	[-]
Color Gamut	[BT. 709]
Advanced Settings	
Reset	



1.4

OSD Adjustment – Color Mode: PQ_DCI (PQ / HLG Clipping: 300 cd/m²) (HDR)**When using RGB444:**

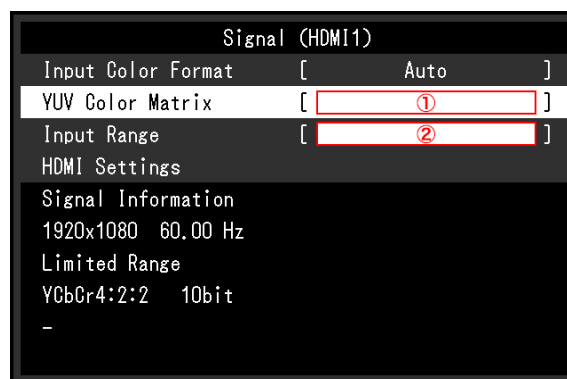
1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑥ (**Color**)

Color mode: PQ_DCI (PQ Clipping: 300 cd/m²)

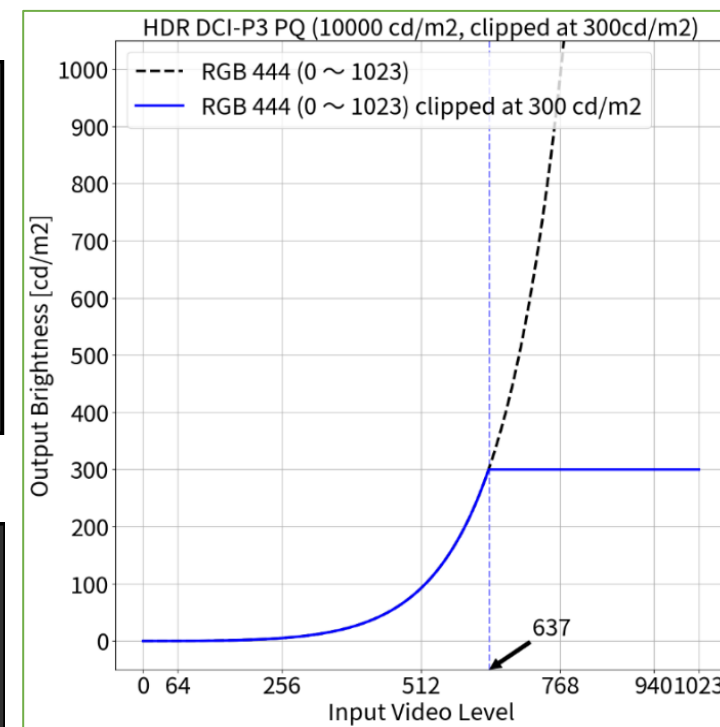
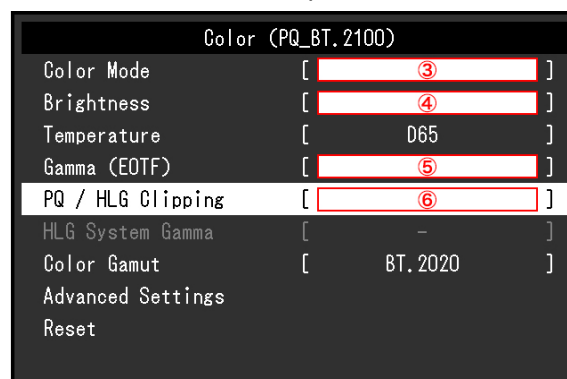
RGB444

- | | | |
|---|-------------------|------------------------------------|
| ② | Input Range | Full |
| ③ | Color Mode | PQ_DCI |
| ④ | Brightness | 300 cd/m ² |
| ⑤ | Gamma (EOTF) | PQ |
| ⑥ | PQ / HLG Clipping | 300 cd/m ² ³ |

Signal Options



Color Options



³ PQ Curve allows the display of up to 300 cd/m². Areas on the screen which exceed this amount are clipped.

1.5

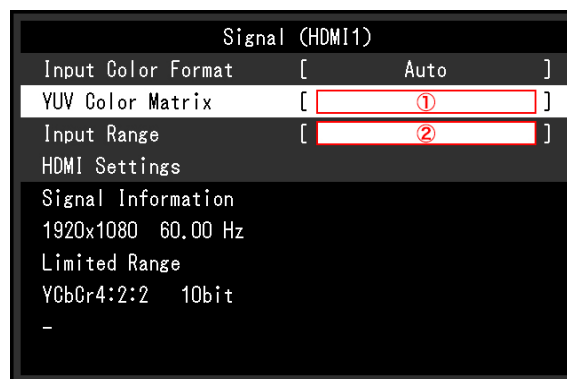
OSD Adjustment – Color Mode: PQ_DCI (PQ / HLG Clipping: 1000 cd/m²) (HDR)**When using RGB444:**

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑥ (**Color**)

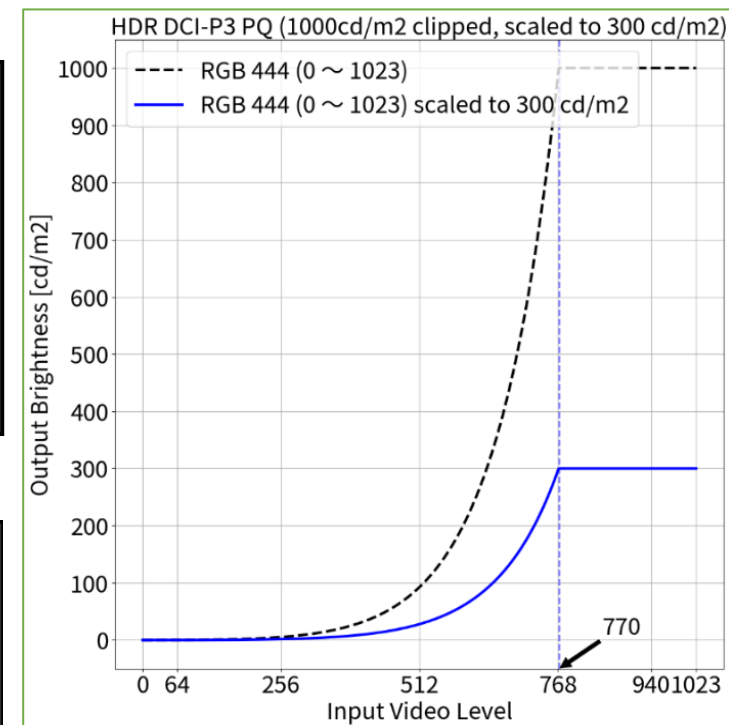
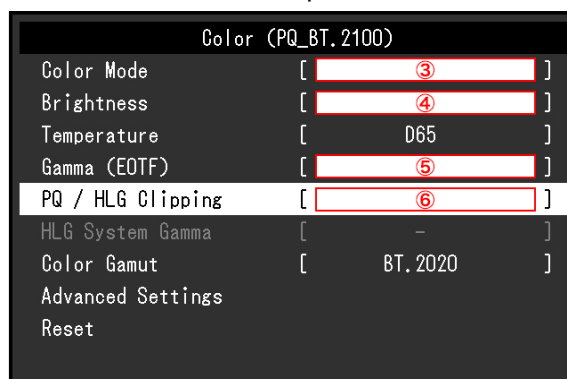
Color mode: PQ_DCI (PQ Clipping: 1000 cd/m²)**RGB444**

- ② Input Range Full
- ③ Color Mode PQ_DCI
- ④ Brightness 300 cd/m²
- ⑤ Gamma (EOTF) PQ
- ⑥ PQ / HLG Clipping 1000 cd/m²⁴

Signal Options



Color Options

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².

1.6

OSD Adjustment – Color Mode: PQ_BT.2100 (PQ / HLG Clipping: 300 cd/m²) (HDR)

When using YUV422:

1. Open the OSD menu via the monitor’s front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑥ (**Color**)

Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m ²)	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	PQ_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ / HLG Clipping	300 cd/m ² ³

When using RGB444:

1. Open the OSD menu via the monitor’s front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑥ (**Color**)

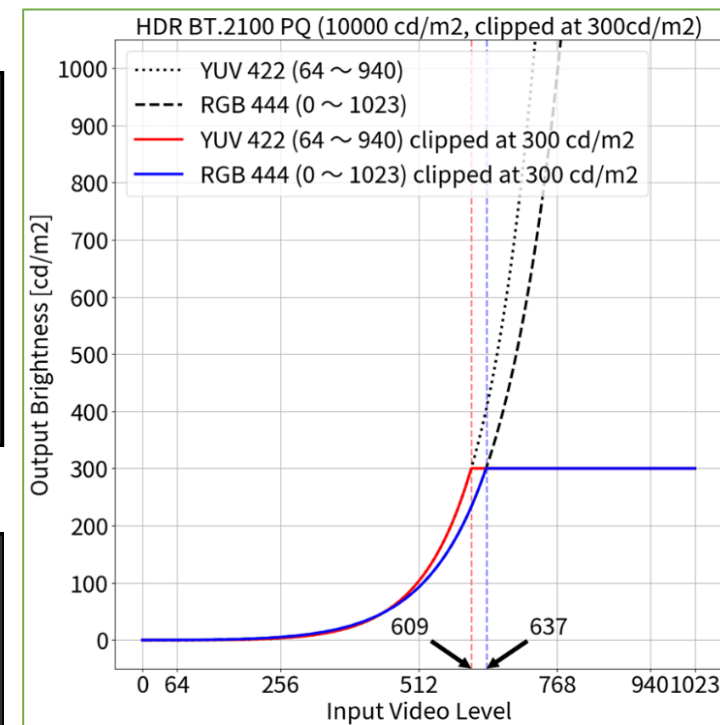
Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m ²)	
RGB444	
② Input Range	Full
③ Color Mode	PQ_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ / HLG Clipping	300 cd/m ² ³

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (PQ_BT.2100)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ / HLG Clipping	[⑥]
HLG System Gamma	[-]
Color Gamut	[BT.2020]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

³ PQ Curve allows the display of up to 300 cd/m². Areas on the screen which exceed this amount are clipped.

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑥ (**Color**)

Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m ²)	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	PQ_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ / HLG Clipping	1000 cd/m ² ⁴

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑥ (**Color**)

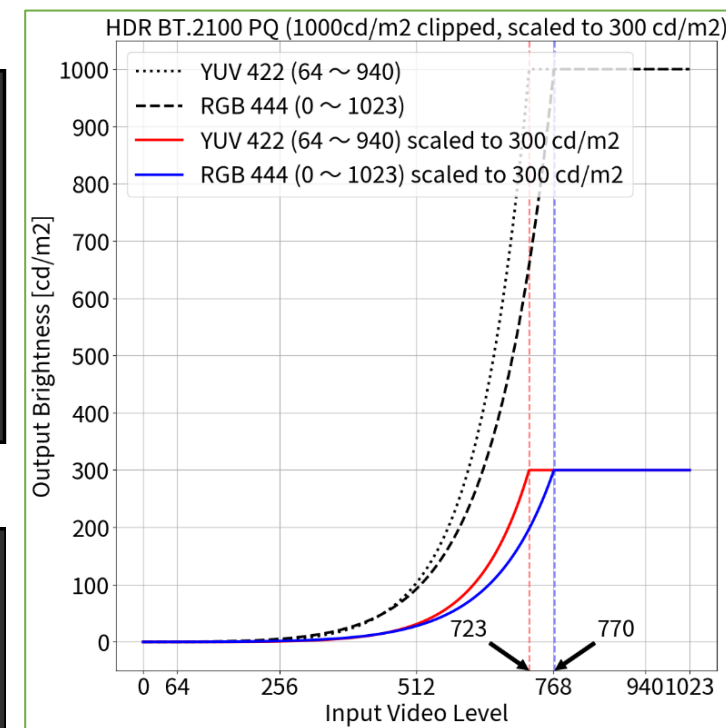
Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m ²)	
RGB444	
② Input Range	Full
③ Color Mode	PQ_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	PQ
⑥ PQ / HLG Clipping	1000 cd/m ² ⁴

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (PQ_BT.2100)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ / HLG Clipping	[⑥]
HLG System Gamma	[-]
Color Gamut	[BT.2020]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².

1.8

OSD Adjustment – Color Mode: HLG_BT.2100 (PQ / HLG Clipping: ON) (HDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑦ (**Color**)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	HLG_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	HLG
⑥ PQ / HLG Clipping	ON ²
⑦ HLG System Gamma	1.2

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑦ (**Color**)

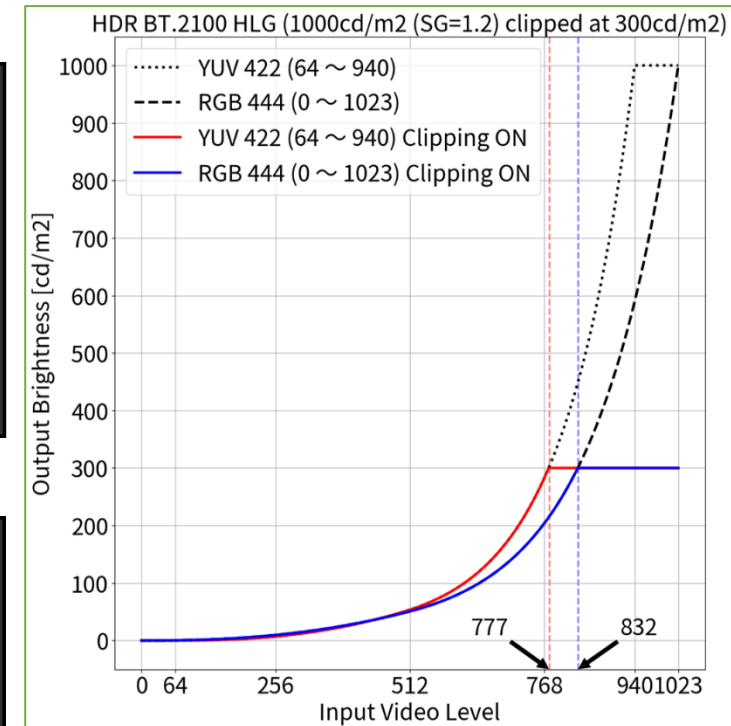
Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)	
RGB444	
② Input Range	Full
③ Color Mode	HLG_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	HLG
⑥ PQ / HLG Clipping	ON ²
⑦ HLG System Gamma	1.2

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (HLG_BT.2100)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ / HLG Clipping	[⑥]
HLG System Gamma	[⑦]
Color Gamut	[BT.2020]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

² HLG allows the display of up to 300 cd/m² with a peak brightness of 1000 cd/m².

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ① ~ ② (**Signal**) and ③ ~ ⑦ (**Color**)

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)	
YUV422	
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited
③ Color Mode	HLG_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	HLG
⑥ PQ / HLG Clipping	OFF ⁴
⑦ HLG System Gamma	1.0

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access both the **Signal** and **Color** options
2. Set items ② (**Signal**) and ③ ~ ⑦ (**Color**)

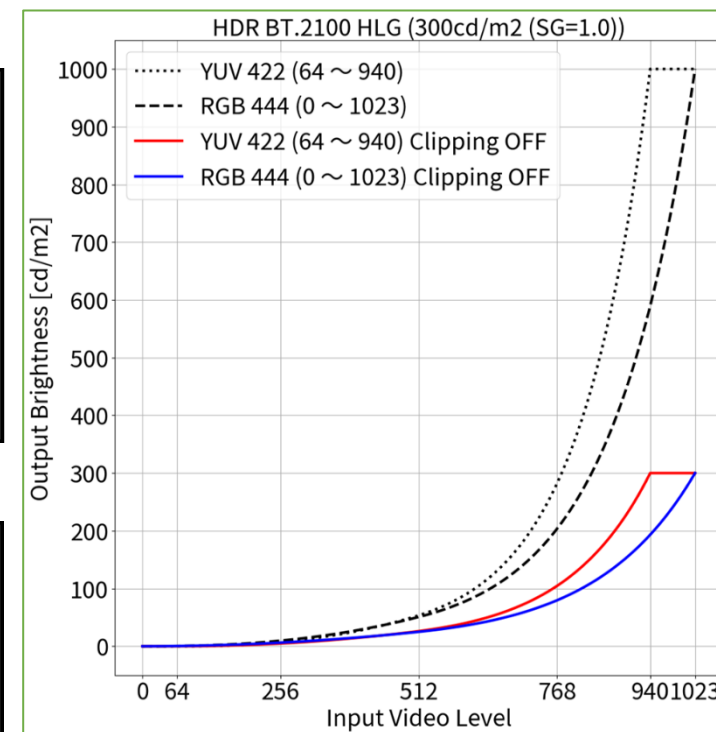
Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)	
RGB444	
② Input Range	Full
③ Color Mode	HLG_BT.2100
④ Brightness	300 cd/m ²
⑤ Gamma (EOTF)	HLG
⑥ PQ / HLG Clipping	OFF ⁴
⑦ HLG System Gamma	1.0

Signal Options

Signal (HDMI1)	
Input Color Format	[Auto]
YUV Color Matrix	[①]
Input Range	[②]
HDMI Settings	
Signal Information	
1920x1080 60.00 Hz	
Limited Range	
YCbCr4:2:2 10bit	
-	

Color Options

Color (HLG_BT.2100)	
Color Mode	[③]
Brightness	[④]
Temperature	[D65]
Gamma (EOTF)	[⑤]
PQ / HLG Clipping	[⑥]
HLG System Gamma	[⑦]
Color Gamut	[BT.2020]
Advanced Settings	
Reset	



¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².

2.1

ColorNavigator 7 Adjustment – Color Mode: BT.2020 (SDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2020**
4. Set items ① ~ ④ and ⑦ ~ ⑨ then click **OK**
5. Carry out **Calibration** for the target

Color mode: BT.2020	
YUV422	
① Brightness	123 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited (109% White)

When using RGB444:

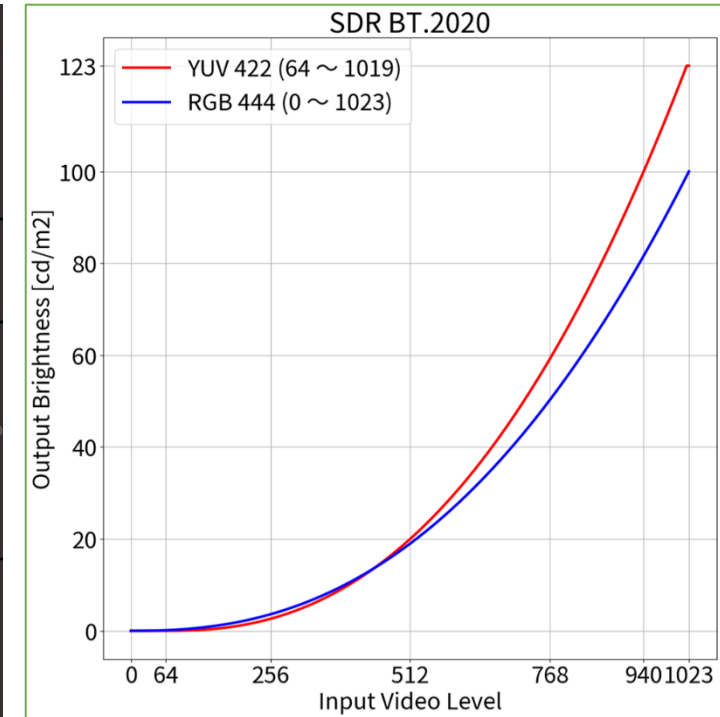
1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.2020**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2020**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: BT.2020	
RGB444	
① Brightness	100 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

The screenshot shows the ColorNavigator 7 Options menu with the following settings:

- Brightness:** Standard Input, 1000 cd/m² (slider at 1000)
- Black level:** Minimum, 0.2 cd/m²
- White point:** Standard value, D65 (0.3127, 0.3290)
- Gamma (EOTF):** Standard value, PQ, PQ Clipping 1000, HLG System Gamma 1.20
- Priority:** Standard
- Gamut:** Standard value, BT.2020, Gamut Clipping checked



Signal Options

The screenshot shows the Signal (HDMI1) options menu with the following settings:


- Input Color Format:** [Auto]
- YUV Color Matrix:** [①]
- Input Range:** [②]
- HDMI Settings:** Signal Information: 1920x1080 60.00 Hz, Limited Range, YCbCr4:2:2 10bit

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

2.2


ColorNavigator 7 Adjustment – Color Mode: BT.709 (SDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.709**
4. Set items ① ~ ④ and ⑦ ~ ⑨ then click **OK**
5. Carry out **Calibration** for the target

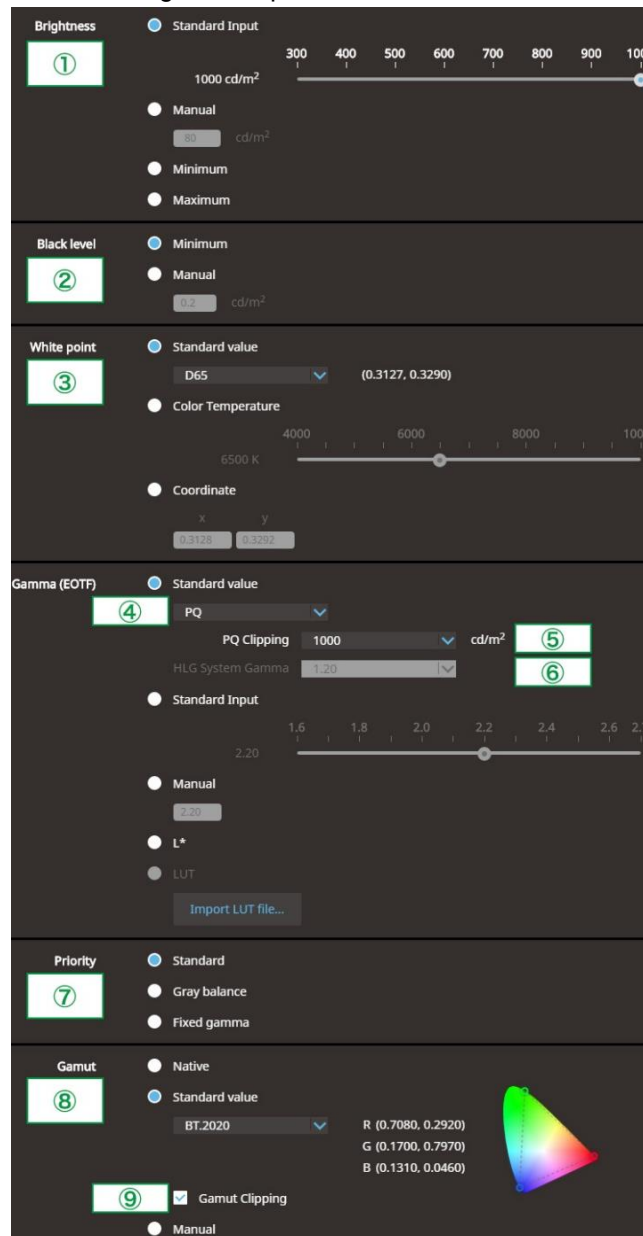
Color mode: BT.709	
YUV422	
① Brightness	123 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.709
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.709
② Input Range	Limited (109% White)

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.709**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.709**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

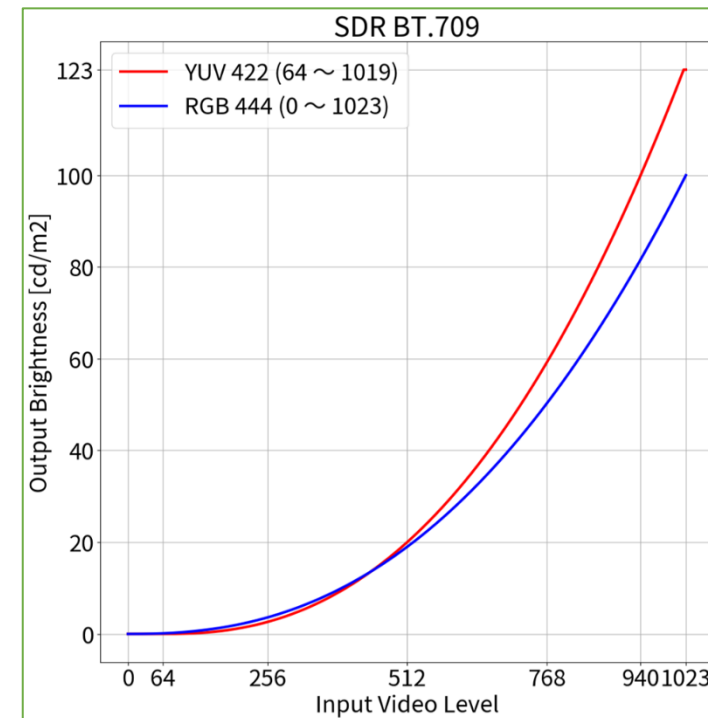
Color mode: BT.709	
RGB444	
① Brightness	100 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.4
⑦ Priority	Standard
⑧ Gamut	BT.709
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

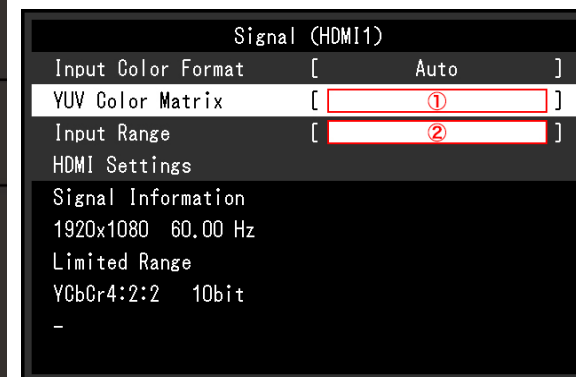


The screenshot shows the ColorNavigator 7 Options menu with the following settings and callouts:

- Brightness:** 1000 cd/m² (Callout 1)
- Black level:** Minimum (Callout 2)
- White point:** D65 (0.3127, 0.3290) (Callout 3)
- Gamma (EOTF):** Standard value, PQ (Callout 4), PQ Clipping 1000 (Callout 5), HLG System Gamma 1.20 (Callout 6)
- Priority:** Standard (Callout 7)
- Gamut:** BT.2020 (Callout 8), Gamut Clipping checked (Callout 9)



Signal Options




The screenshot shows the Signal (HDMI1) options menu with the following settings and callouts:

- Input Color Format:** [Auto]
- YUV Color Matrix:** [①]
- Input Range:** [②]
- HDMI Settings:** Signal Information 1920x1080 60.00 Hz, Limited Range, YCbCr4:2:2 10bit

2.3

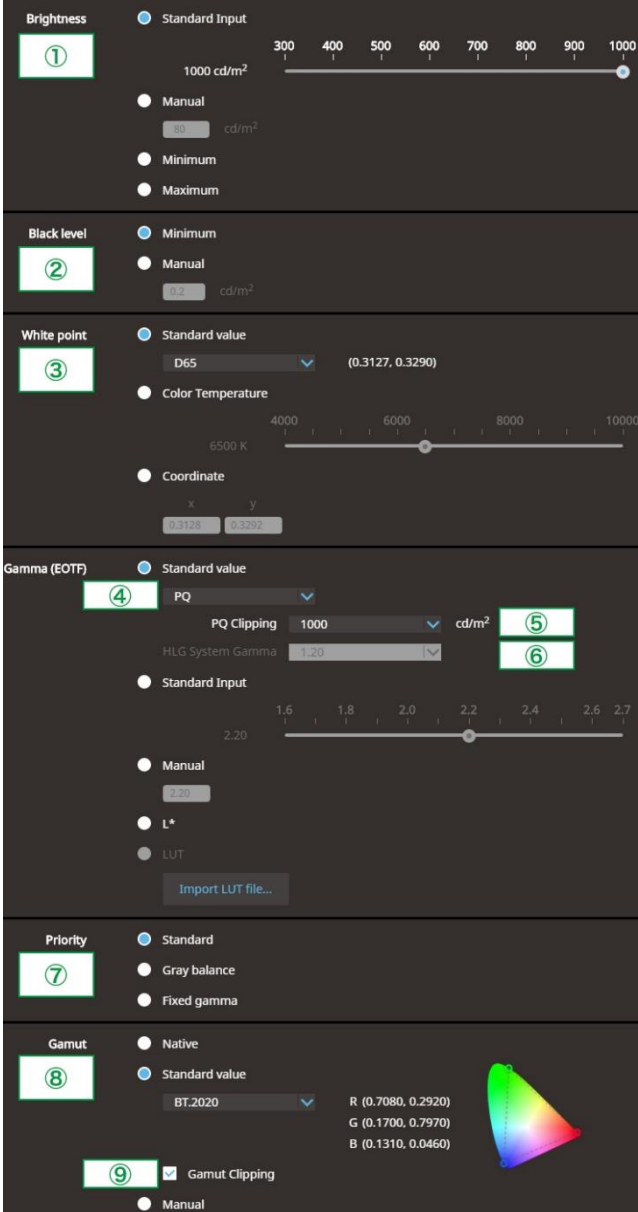
ColorNavigator 7 Adjustment – Color Mode: DCI (SDR)

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **DCI**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **DCI**
4. Set items ① ~ ④ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

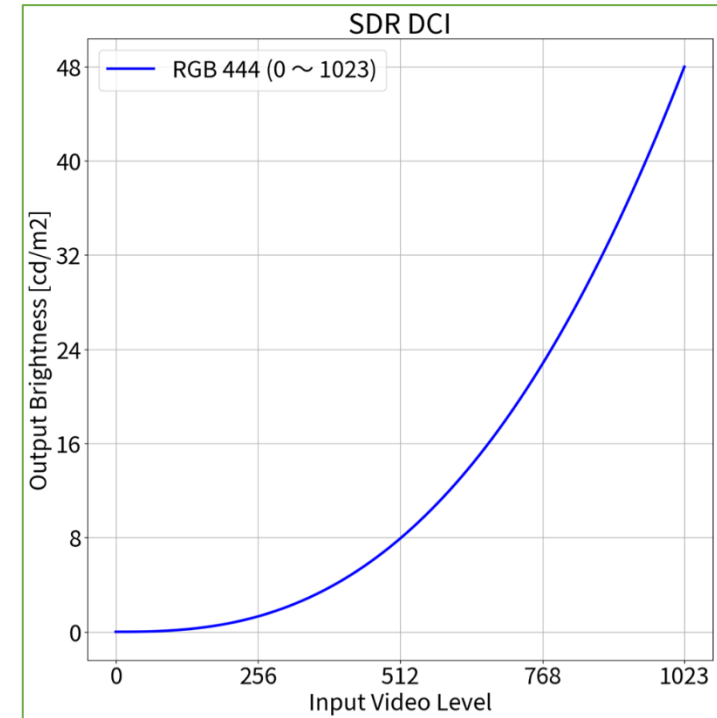
Color mode: DCI	
RGB444	
① Brightness	48 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	2.6
⑦ Priority	Standard
⑧ Gamut	DCI
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

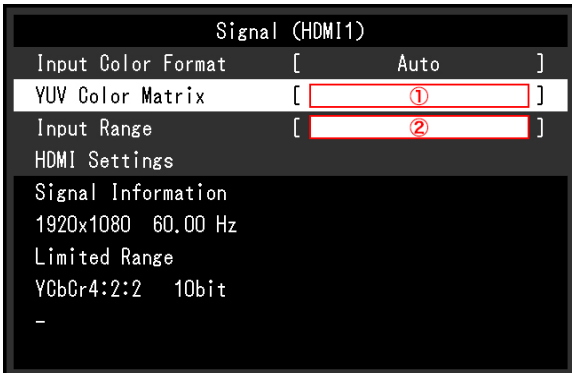


The screenshot shows the ColorNavigator 7 Options menu with the following settings and callouts:

- Brightness:** Standard Input (1), 1000 cd/m² slider.
- Black level:** Minimum (2), 0.2 cd/m² slider.
- White point:** Standard value (3), D65 (0.3127, 0.3290), 6500 K slider.
- Gamma (EOTF):** Standard value (4), PQ (5), PQ Clipping 1000 (6), HLG System Gamma 1.20 slider.
- Priority:** Standard (7).
- Gamut:** Standard value (8), BT.2020, Gamut Clipping checked (9).



Signal Options



The screenshot shows the Signal (HDMI1) options menu with the following settings and callouts:

- Input Color Format:** [Auto]
- YUV Color Matrix:** [①]
- Input Range:** [②]
- HDMI Settings:** Signal Information: 1920x1080 60.00 Hz, Limited Range, YCbCr4:2:2 10bit.

2.4

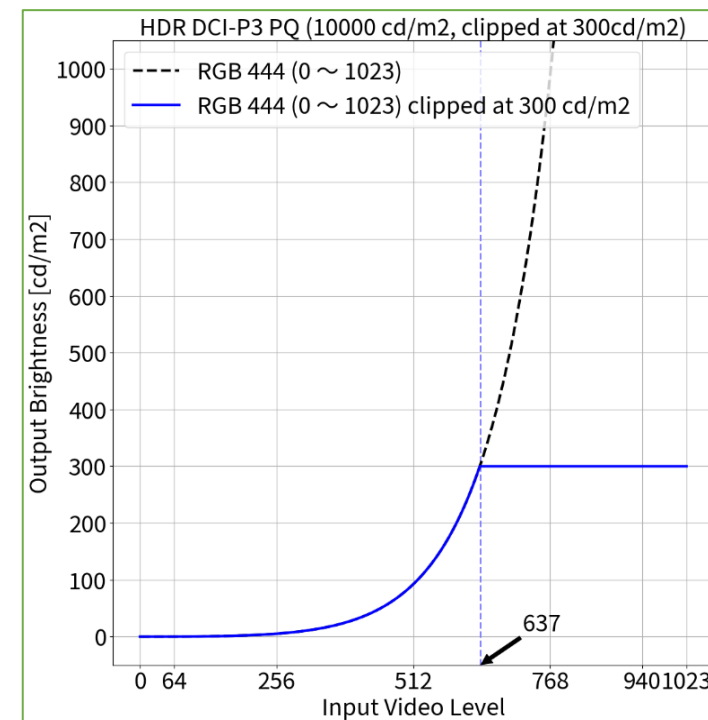
ColorNavigator 7 Adjustment – Color Mode: PQ_DCI (PQ Clipping: 300 cd/m²) (HDR)**When using RGB444:**

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **PQ_DCI**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_DCI**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_DCI (PQ Clipping: 300 cd/m²)**RGB444**

① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	300 cd/m ² ³
⑦ Priority	Standard
⑧ Gamut	DCI
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options




Signal Options

³ PQ Curve allows the display of up to 300 cd/m². Areas on the screen which exceed this amount are clipped.

2.5

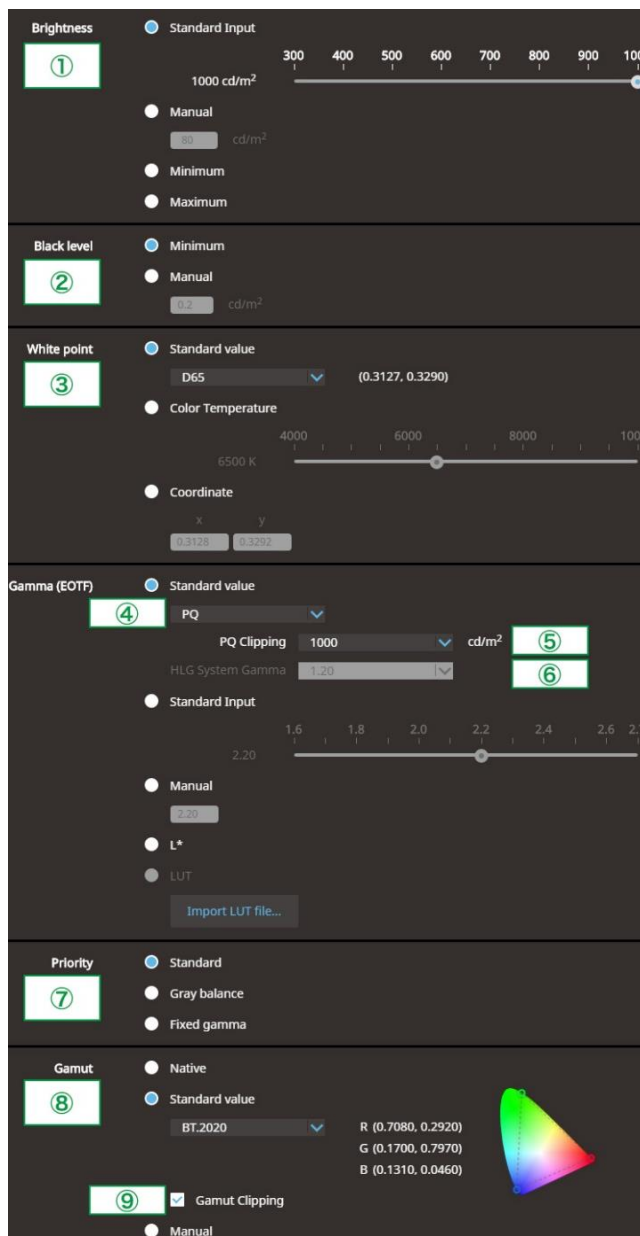
ColorNavigator 7 Adjustment – Color Mode: PQ_DCI (PQ Clipping: 1000 cd/m²) (HDR)**When using RGB444:**

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **PQ_DCI**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_DCI**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_DCI (PQ Clipping: 1000 cd/m²)**RGB444**

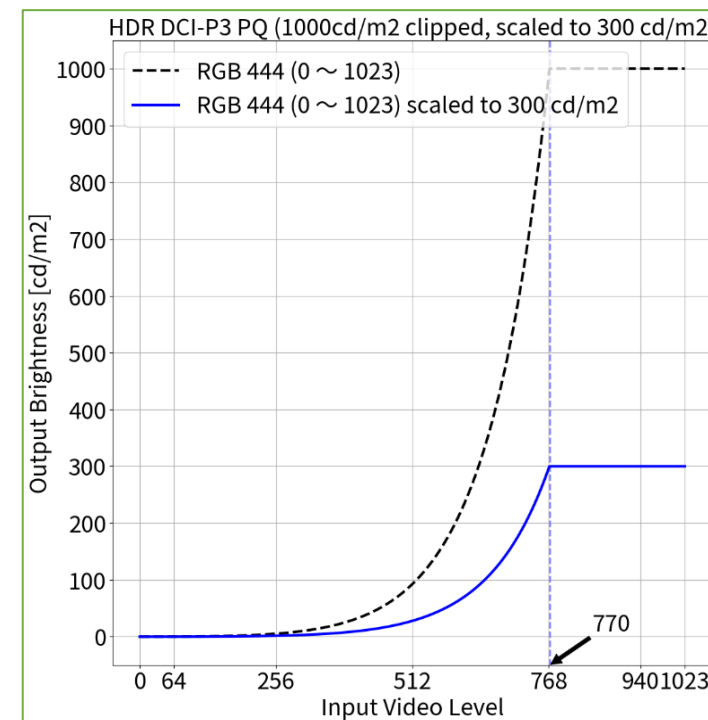
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000 cd/m ² ⁴
⑦ Priority	Standard
⑧ Gamut	DCI
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

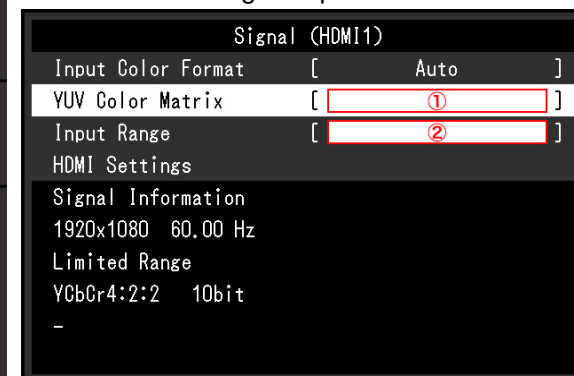


The screenshot shows the ColorNavigator 7 Options menu with the following settings and callouts:

- Brightness:** Standard Input, 1000 cd/m². Callout ① points to the Brightness slider.
- Black level:** Minimum. Callout ② points to the Black level selection.
- White point:** Standard value, D65 (0.3127, 0.3290). Callout ③ points to the White point selection.
- Gamma (EOTF):** Standard value, PQ. Callout ④ points to the Gamma selection. PQ Clipping is set to 1000 cd/m² (Callout ⑤). HLG System Gamma is 1.20 (Callout ⑥).
- Priority:** Standard. Callout ⑦ points to the Priority selection.
- Gamut:** Standard value, BT.2020. Callout ⑧ points to the Gamut selection. Gamut Clipping is checked (Callout ⑨).



Signal Options



The screenshot shows the Signal (HDMI1) options menu with the following settings:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings
- Signal Information
- 1920x1080 60.00 Hz
- Limited Range
- YCbCr4:2:2 10bit

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².

2.6

ColorNavigator 7 Adjustment – Color Mode: PQ_BT.2100 (PQ Clipping: 300 cd/m²) (HDR)**When using YUV422:**

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **PQ_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

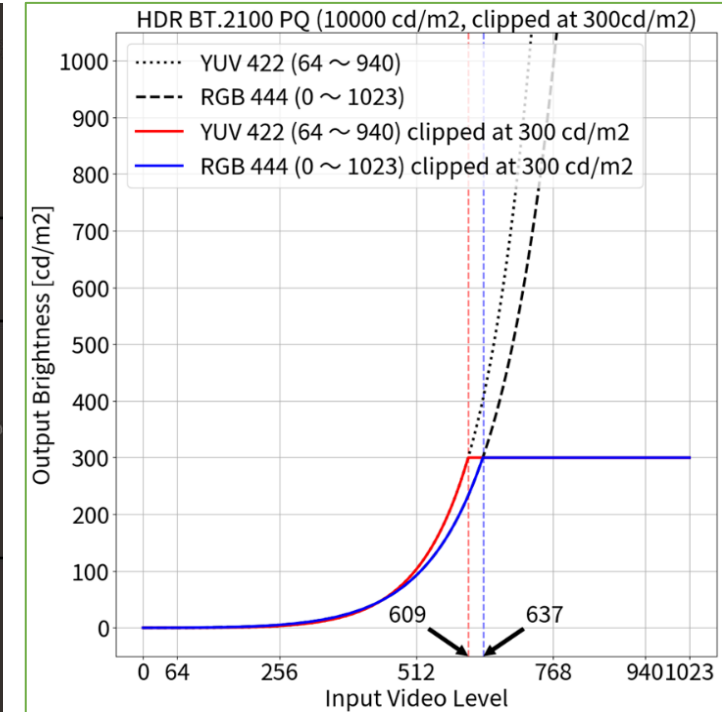
Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m ²)	
YUV422	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	300 cd/m ² ³
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_BT.2100 (PQ Clipping: 300 cd/m ²)	
RGB444	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	300 cd/m ² ³
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options




Signal Options

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

³ PQ Curve allows the display of up to 300 cd/m². Areas on the screen which exceed this amount are clipped.


2.7

ColorNavigator 7 Adjustment – Color Mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m²) (HDR)**When using YUV422:**

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **PQ_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **PQ_BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

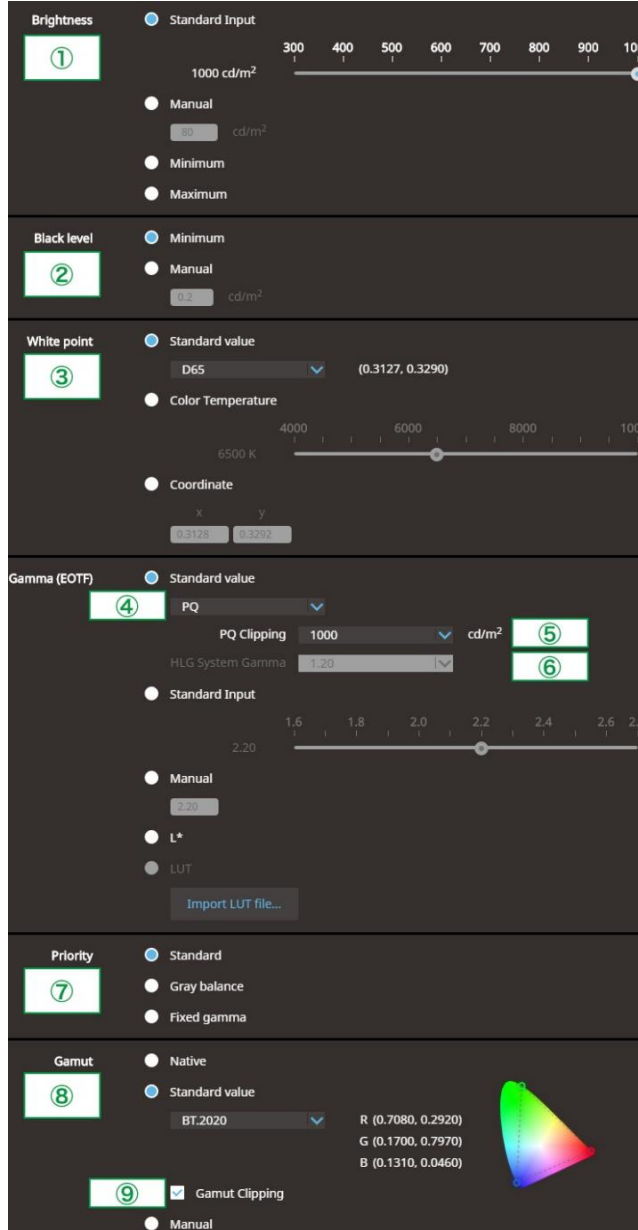
Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m ²)	
YUV422	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000 cd/m ² ⁴
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **BT.2100**
4. Set items ① ~ ⑤ and ⑦ ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: PQ_BT.2100 (PQ Clipping: 1000 cd/m ²)	
RGB444	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	PQ
⑤ PQ Clipping	1000 cd/m ² ⁴
⑦ Priority	Standard
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options



Brightness

- ① Standard Input: 1000 cd/m²
- Manual: 300 cd/m²
- Minimum
- Maximum

Black level

- ② Minimum
- Manual: 0.05 cd/m²

White point

- ③ Standard value: D65 (0.3127, 0.3290)
- Color Temperature: 6500 K
- Coordinate: x: 0.3127, y: 0.3290

Gamma (EOTF)

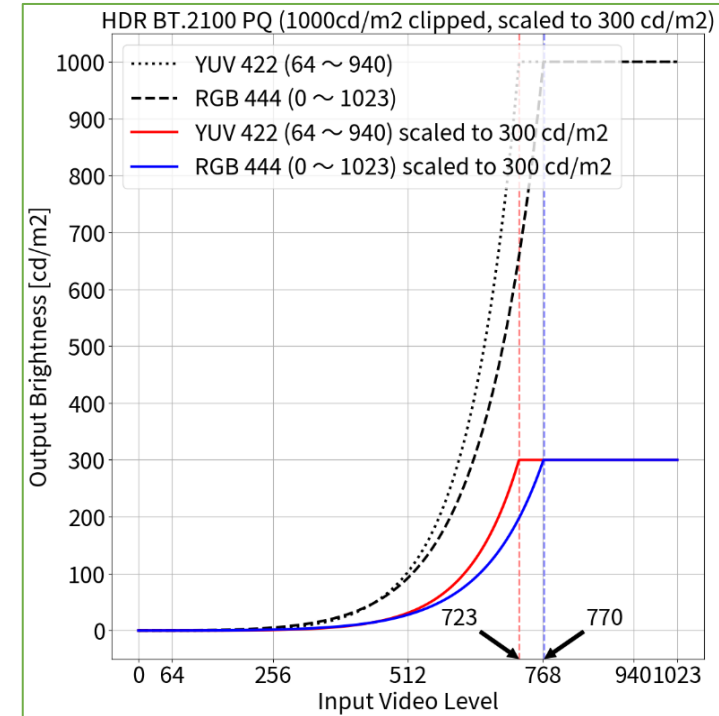
- ④ Standard value: PQ
- PQ Clipping: 1000 cd/m² ⑤
- HLG System Gamma: 1.20 ⑥
- Standard Input
- Manual: 2.20
- L*
- LUT
- Import LUT file...

Priority

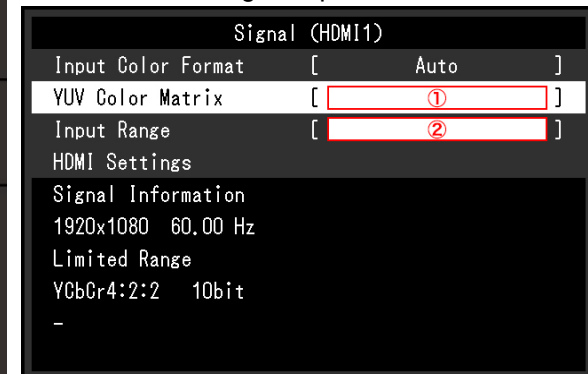
- ⑦ Standard
- Gray balance
- Fixed gamma

Gamut

- ⑧ Native
- Standard value: BT.2020
- R (0.7080, 0.2920)
- G (0.1700, 0.7970)
- B (0.1310, 0.0460)
- ⑨ Gamut Clipping: ✓
- Manual



Signal Options



Signal (HDMI1)

Input Color Format [Auto]

YUV Color Matrix [①]

Input Range [②]

HDMI Settings

Signal Information

1920x1080 60.00 Hz

Limited Range

YCbCr4:2:2 10bit


¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².

2.8


ColorNavigator 7 Adjustment – Color Mode: HLG_BT.2100 (HLG Clipping: ON) (HDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

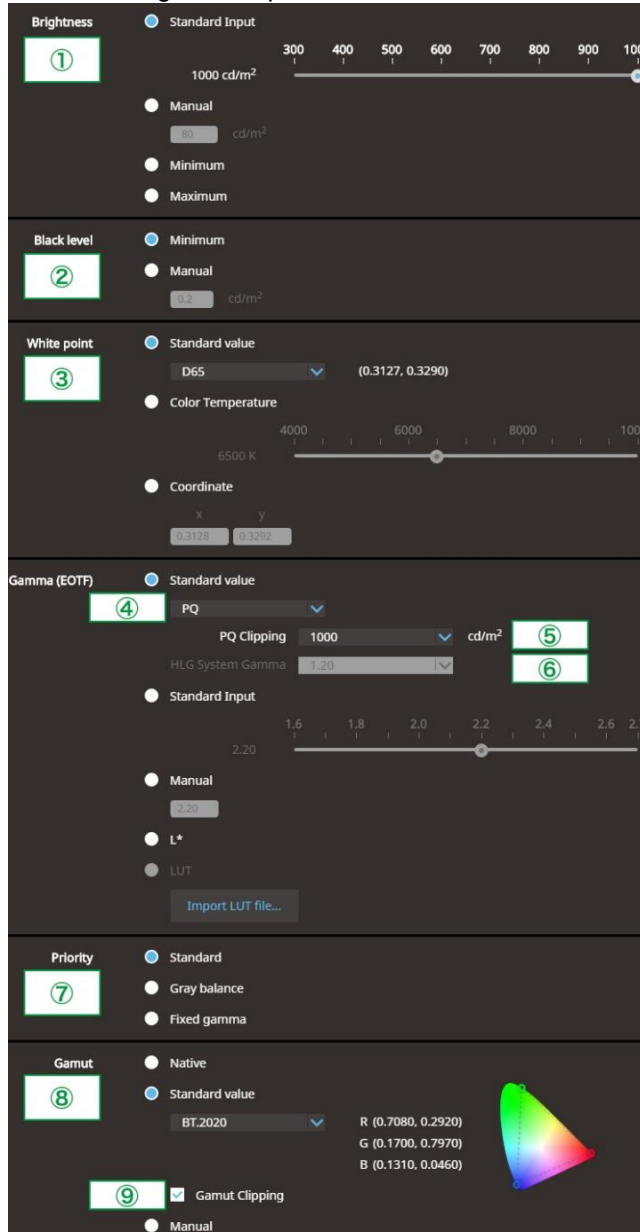
Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)	
YUV422	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑤ HLG Clipping	ON ²
⑥ HLG System Gamma	1.2
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

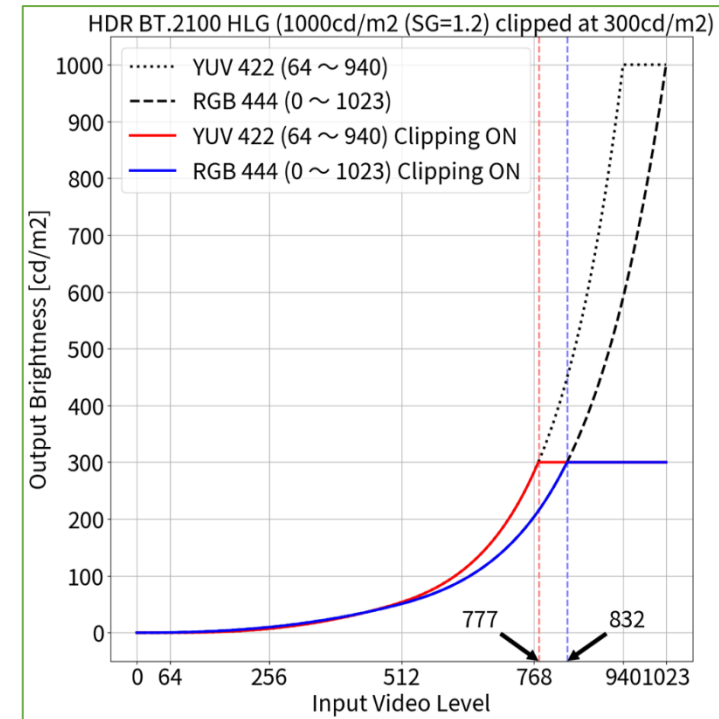
Color mode: HLG_BT.2100 (PQ / HLG Clipping: ON)	
RGB444	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑤ HLG Clipping	ON ²
⑥ HLG System Gamma	1.2
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

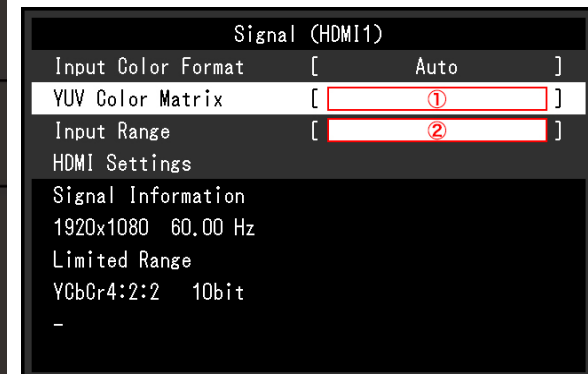


The screenshot shows the ColorNavigator 7 Options menu with the following settings:

- Brightness:** Standard Input, 1000 cd/m² (slider at 1000)
- Black level:** Minimum, 0.1 cd/m² (slider at 0.1)
- White point:** Standard value, D65, (0.3127, 0.3290)
- Gamma (EOTF):** Standard value, PQ, PQ Clipping 1000 cd/m², HLG System Gamma 1.2
- Priority:** Standard
- Gamut:** Standard value, BT.2020, Gamut Clipping checked



Signal Options



The screenshot shows the Signal (HDMI1) options menu with the following settings:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings: Signal Information, 1920x1080 60.00 Hz, Limited Range, YCbCr4:2:2 10bit

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

² HLG allows the display of up to 300 cd/m² with a peak brightness of 1000 cd/m².

2.9

ColorNavigator 7 Adjustment – Color Mode: HLG_BT.2100 (HLG Clipping: OFF) (HDR)

When using YUV422:

1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set items ① ~ ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit Target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)	
YUV422	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑤ HLG Clipping	OFF ⁴
⑥ HLG System Gamma	1.0
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
① YUV Color Matrix	BT.2020 ¹
② Input Range	Limited

When using RGB444:

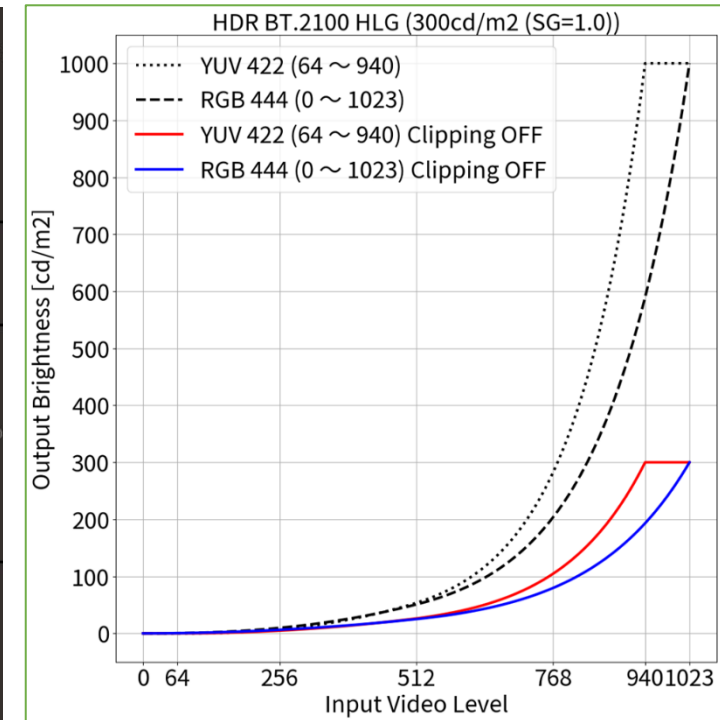
1. Open the OSD menu via the monitor's front buttons and access the **Signal** options, then set item ②
2. Open ColorNavigator 7 and right click color mode **HLG_BT.2100**, then select **Edit target...**
3. Under **Color mode type** — , select **Advanced Mode** and under **Preset target**, select **HLG_BT.2100**
4. Set items ① ~ ⑨ and click **OK**
5. Carry out **Calibration** for the target

Color mode: HLG_BT.2100 (PQ / HLG Clipping: OFF)	
RGB444	
① Brightness	300 cd/m ²
② Black Level	Minimum
③ White Point	D65
④ Gamma (EOTF)	HLG
⑤ HLG Clipping	OFF ⁴
⑥ HLG System Gamma	1.0
⑦ Priority	Fixed gamma
⑧ Gamut	BT.2020
⑨ Gamut Clipping	✓
② Input Range	Full

ColorNavigator 7 Options

The screenshot shows the ColorNavigator 7 Options menu with the following settings:

- Brightness:** Standard Input, 1000 cd/m² (slider at 1000)
- Black level:** Minimum, 0.2 cd/m²
- White point:** Standard value, D65 (0.3127, 0.3290)
- Gamma (EOTF):** Standard value, PQ, PQ Clipping 1000, HLG System Gamma 1.20
- Priority:** Standard
- Gamut:** Standard value, BT.2020, Gamut Clipping checked



Signal Options

The screenshot shows the Signal (HDMI1) options menu with the following settings:

- Input Color Format: [Auto]
- YUV Color Matrix: [①]
- Input Range: [②]
- HDMI Settings: Signal Information, 1920x1080 60.00 Hz, Limited Range, YCbCr4:2:2 10bit

¹ BT.2020 is recommended as standard, but if you are intentionally using RGB to YUV coefficient, select the appropriate settings accordingly.

⁴ Scaling curve in which areas exceeding 300 cd/m² are clipped from 1000 cd/m².