

Colorimetric Report

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Date	Sunday, March 23, 2025
Tester	Simon Blohm
Display	MSI MPG 321CURXDE QD-OLED
Sensor	X-Rite i1 Display Pro (Corr.: Generic)
Testchart	In accordance with ISO 12646:2007 (1)
Target	DCI-P3 RGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

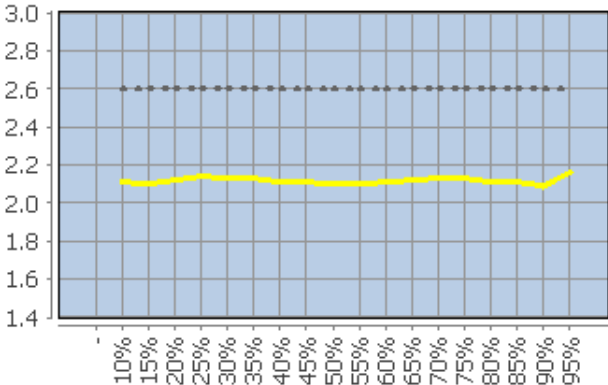
White Point (CCT)	6323 Kelvin
White Point XYZ (normalized)	95.41 100.00 106.69
DeltaE to D50/ D65	17.97/ 1.49
Assumed Target Whitepoint (2)	6300 Kelvin
DeltaE to Assumed Target Whitepoint	0.86
Brightness	177.92 cd/m²
Black Point	0.00 cd/m²
Contrast (x:1)	-
Gradation (Average)	2.12

(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6416	0.15	4.89	2.11
	15	6403	0.21	8.29	2.10
	20	6382	0.19	8.41	2.12
	25	6401	0.34	8.32	2.14
	30	6320	0.01	8.50	2.13
	35	6325	0.87	8.35	2.13
	40	6360	1.22	8.52	2.11
	45	6369	0.44	8.17	2.11
	50	6376	0.78	7.79	2.10
	55	6346	0.40	7.25	2.10
	60	6336	0.15	6.47	2.11
	65	6318	0.35	5.69	2.12
	70	6339	0.11	4.89	2.13
	75	6352	0.22	4.24	2.13
	80	6352	0.24	3.57	2.11
	85	6358	0.34	2.70	2.11
	90	6330	0.29	1.92	2.09
	95	6347	0.20	0.88	2.16
	100 (3)	6323	-	-	-
	Average (4)	-	0.37	6.12	2.12
	Maximum (4)	-	1.22	8.52	-
	Range (4)	-	1.45	-	-

(3) Visual adaptation to display whitepoint is assumed
(4) Only luminance > 1% considered

Corresponding Gamma



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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	0 0 0	0.00	0.00	0.00	0.00
	0 0 63	13.40	3.82	1.80	4.83
	0 0 127	5.76	1.09	3.64	2.82
	0 0 191	1.12	1.79	2.73	2.21
	0 0 255	4.60	2.31	1.00	1.37
	0 63 0	10.34	5.03	7.07	6.39
	0 63 63	3.14	0.08	7.97	5.77
	0 63 127	2.65	6.22	7.32	6.82
	0 63 191	6.63	6.85	6.00	6.20
	0 63 255	12.23	6.70	3.36	4.52
	0 127 0	7.62	1.92	6.63	6.34
	0 127 63	0.13	3.18	6.80	6.47
	0 127 127	2.69	0.09	7.09	6.86
	0 127 191	2.39	8.20	6.53	7.78
	0 127 255	12.95	11.04	4.96	7.40
	0 191 0	2.94	2.41	3.80	3.20
	0 191 63	4.13	3.59	4.19	3.65
	0 191 127	3.86	3.95	4.32	3.92
	0 191 191	0.45	0.21	3.78	2.98
	0 191 255	2.79	9.44	3.29	4.88
	0 255 0	3.77	2.69	0.05	0.80
	0 255 63	10.67	3.17	0.20	1.65
	0 255 127	11.54	5.46	0.51	2.48
	0 255 191	8.37	5.38	0.57	2.77
	0 255 255	2.64	0.57	0.13	0.73
	63 0 0	8.99	4.15	4.62	5.43
	63 0 63	6.29	0.39	5.36	4.04
	63 0 127	3.99	1.18	5.04	3.56
	63 0 191	1.42	0.47	3.75	2.80
	63 0 255	5.92	0.77	1.44	1.46
	63 63 0	11.52	0.08	7.82	7.08
	63 63 63	0.28	0.09	8.36	5.96
	63 63 127	2.20	1.78	7.79	5.93
	63 63 191	7.15	3.55	6.44	5.62
	63 63 255	12.95	4.56	3.91	4.35
	63 127 0	5.75	4.52	7.42	7.33
	63 127 63	1.23	0.14	7.45	7.07
	63 127 127	0.11	0.99	7.53	7.35
	63 127 191	3.86	4.96	7.09	7.46
	63 127 255	12.85	7.75	5.38	6.46
	63 191 0	1.62	5.08	4.73	4.10
	63 191 63	7.18	0.82	4.88	4.13
	63 191 127	6.80	2.67	5.12	4.52
	63 191 191	2.35	0.51	4.46	3.57
	63 191 255	4.33	7.21	3.98	4.47
	63 255 0	5.58	5.09	0.15	1.45
	63 255 63	12.74	1.03	0.39	1.79

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Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	63 255 127	14.50	3.77	0.61	2.69
	63 255 191	10.04	3.59	0.65	2.60
	63 255 255	4.56	0.10	0.32	1.22
	127 0 0	6.03	2.19	4.21	3.64
	127 0 63	3.27	6.69	4.80	4.96
	127 0 127	5.64	0.52	5.25	4.26
	127 0 191	1.10	1.75	4.24	3.56
	127 0 255	5.95	2.33	2.63	2.74
	127 63 0	5.97	6.88	7.09	7.29
	127 63 63	2.30	2.34	7.46	6.20
	127 63 127	0.47	0.53	7.63	6.30
	127 63 191	5.38	0.15	6.70	5.99
	127 63 255	11.66	0.66	4.57	4.75
	127 127 0	7.18	0.53	7.44	7.62
	127 127 63	1.82	0.37	7.76	7.78
	127 127 127	0.82	0.10	7.88	7.92
	127 127 191	6.25	2.19	7.50	7.45
	127 127 255	13.97	3.30	5.92	6.10
	127 191 0	2.07	6.38	5.34	4.77
	127 191 63	6.44	1.70	5.19	4.29
	127 191 127	6.37	0.05	5.41	4.56
	127 191 191	3.42	0.37	4.74	3.91
	127 191 255	6.43	3.43	4.19	3.52
	127 255 0	6.33	8.17	0.79	2.45
	127 255 63	13.42	2.55	1.07	2.21
	127 255 127	16.60	0.95	1.24	3.17
	127 255 191	12.19	2.12	1.40	3.22
	127 255 255	6.63	0.46	1.00	2.17
	191 0 0	1.60	0.68	2.44	2.20
	191 0 63	2.51	9.70	2.67	5.21
	191 0 127	3.62	7.03	3.33	4.08
	191 0 191	1.88	1.56	3.18	3.15
	191 0 255	4.24	2.01	2.20	2.39
	191 63 0	0.05	4.50	4.75	5.03
	191 63 63	6.88	4.67	5.04	5.61
	191 63 127	2.79	3.99	5.12	5.29
	191 63 191	4.56	1.30	4.37	4.49
	191 63 255	9.57	0.57	3.45	3.67
	191 127 0	0.97	7.96	6.24	7.28
	191 127 63	6.18	3.47	6.67	6.67
	191 127 127	6.12	0.87	6.78	6.56
	191 127 191	6.50	0.94	6.13	5.71
	191 127 255	13.16	1.00	5.39	5.28
	191 191 0	2.49	0.03	4.20	3.13
	191 191 63	6.24	1.42	4.51	3.67
	191 191 127	5.78	0.17	4.59	3.95
	191 191 191	0.37	0.15	4.54	3.30

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Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	191 191 255	7.95	1.65	3.87	3.64
	191 255 0	3.50	6.23	0.94	2.22
	191 255 63	12.07	3.00	1.38	2.37
	191 255 127	13.90	0.73	1.38	3.08
	191 255 191	10.09	0.28	1.16	3.21
	191 255 255	5.05	0.13	0.78	2.38
	255 0 0	6.12	3.12	0.10	1.61
	255 0 63	9.48	12.11	0.22	5.49
	255 0 127	4.05	11.19	0.16	4.15
	255 0 191	1.33	6.74	0.07	2.08
	255 0 255	4.72	1.20	0.37	0.86
	255 63 0	8.61	1.91	1.58	2.11
	255 63 63	13.86	7.63	1.86	4.59
	255 63 127	8.17	9.14	1.80	4.25
	255 63 191	5.61	5.99	1.82	2.71
	255 63 255	8.67	1.42	1.28	1.79
	255 127 0	9.85	9.20	3.41	5.51
	255 127 63	15.66	2.42	3.81	4.52
	255 127 127	13.22	1.72	3.94	4.63
	255 127 191	10.34	2.95	3.56	3.95
	255 127 255	13.58	1.61	2.91	3.54
	255 191 0	2.62	7.75	2.86	4.42
	255 191 63	10.94	6.07	3.06	4.53
	255 191 127	9.95	2.92	3.18	4.12
	255 191 191	7.72	1.07	3.16	3.96
	255 191 255	8.81	0.86	2.94	3.44
	255 255 0	2.81	0.72	0.03	0.52
	255 255 63	11.75	0.99	0.26	2.03
	255 255 127	12.47	1.66	0.49	2.99
	255 255 191	7.78	0.10	0.63	2.94
	255 255 255 (1)	-	-	-	-
	Average (2)	6.41	3.08	3.78	4.23
	Maximum (2)	16.60	12.11	8.36	7.92

(1) Visual adaptation to display whitepoint is assumed; CIELAB reference values are adapted (Bradford transformation) to display whitepoint
(2) Without Black

Color Space	Gamut Volume CIELAB D50
DCI-P3 RGB	94%

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Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	70
Contrast	
RGB Gain	
Gradation	
Other	