

Colorimetric Report

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Date	Thursday, December 14, 2023
Tester	Oliver Jachmann
Display	MSI MEG 342CDE QD-OLED
Sensor	X-Rite i1 Display Pro (Corr.: OLED, XR)
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)	6729 Kelvin
White Point XYZ (normalized)	93.48 100.00 109.58
DeltaE to D50/ D65	20.48/ 2.80
Assumed Target Whitepoint (2)	6700 Kelvin
DeltaE to Assumed Target Whitepoint	2.93
Brightness (3)	241.95 cd/m ²
Black Point (3)	0.00 cd/m ²
Contrast (x:1)	-
Gradation (Average)	2.15

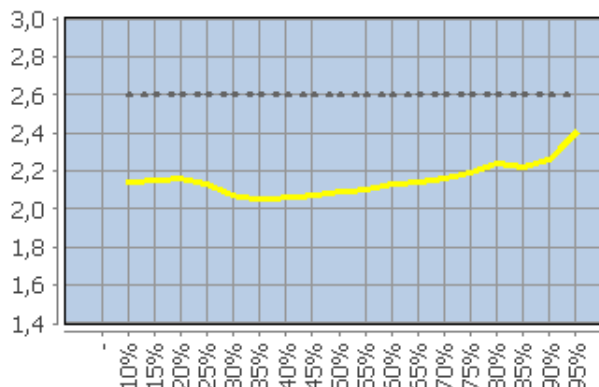
(2) Daylight (3) Measured separately

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6791	0.18	4.44	2.14
	15	6785	0.22	7.24	2.15
	20	6745	0.41	7.69	2.16
	25	6837	0.49	8.51	2.13
	30	6814	0.31	9.64	2.07
	35	6778	0.21	9.90	2.05
	40	6719	0.31	9.38	2.06
	45	6734	0.25	8.83	2.07
	50	6737	0.04	8.02	2.09
	55	6740	0.64	7.36	2.10
	60	6780	0.29	6.25	2.13
	65	6766	0.26	5.44	2.14
	70	6764	0.23	4.61	2.16
	75	6751	0.42	3.67	2.19
	80	6760	0.30	2.61	2.24
	85	6738	0.07	2.10	2.22
	90	6735	0.27	1.28	2.26
	95	6737	0.21	0.45	2.40
	100 (4)	6729	-	-	-
	Average (5)	-	0.29	6.06	2.15
	Maximum (5)	-	0.64	9.9	-
	Range (5)	-	1.05	-	-

(4) Visual adaptation to display whitepoint is assumed

(5) Only luminance > 1% considered

Corresponding Gamma



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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.00	0.00	0.00	0.00
	0 0 63	14.10	3.55	1.92	6.67
	0 0 127	4.69	3.40	4.65	5.03
	0 0 191	1.40	4.14	3.13	3.52
	0 0 255	7.45	5.11	1.67	2.57
	0 63 0	11.21	5.08	7.18	8.77
	0 63 63	3.27	0.36	7.67	7.87
	0 63 127	0.90	6.46	7.56	8.45
	0 63 191	9.07	9.23	6.08	7.46
	0 63 255	14.77	9.93	4.21	5.86
	0 127 0	8.80	2.70	6.98	7.31
	0 127 63	1.16	2.11	7.20	7.28
	0 127 127	3.39	0.08	7.47	7.58
	0 127 191	3.05	11.64	6.98	9.77
	0 127 255	14.08	14.44	5.81	9.01
	0 191 0	1.39	4.30	3.24	3.58
	0 191 63	6.02	1.94	3.47	3.69
	0 191 127	6.77	4.74	3.73	4.57
	0 191 191	0.21	0.20	3.73	3.73
	0 191 255	2.35	8.66	3.32	5.84
	0 255 0	6.26	6.60	0.50	2.17
	0 255 63	12.99	0.38	0.30	1.72
	0 255 127	15.96	4.46	0.12	2.92
	0 255 191	10.49	3.77	0.04	2.60
	0 255 255	3.91	0.21	0.15	0.99
	63 0 0	9.41	3.44	4.19	6.37
	63 0 63	6.86	0.93	5.73	6.30
	63 0 127	4.24	0.45	5.91	5.99
	63 0 191	1.95	1.42	4.20	4.25
	63 0 255	8.06	2.93	2.52	2.92
	63 63 0	11.31	1.67	7.71	9.19
	63 63 63	0.20	0.07	8.26	8.26
	63 63 127	1.78	2.76	8.22	8.39
	63 63 191	9.01	5.29	6.72	7.31
	63 63 255	14.83	6.92	4.91	5.90
	63 127 0	6.24	5.81	7.43	8.01
	63 127 63	1.86	0.91	7.66	7.69
	63 127 127	0.46	0.25	7.94	7.94
	63 127 191	5.61	7.66	7.41	8.86
	63 127 255	14.80	10.73	6.28	8.39
	63 191 0	1.37	8.33	3.69	4.75
	63 191 63	9.40	2.10	3.86	4.27
	63 191 127	10.49	2.35	4.10	4.88
	63 191 191	3.66	0.34	4.08	4.25
	63 191 255	4.64	6.06	3.73	5.22
	63 255 0	7.65	8.76	0.27	2.81
	63 255 63	14.85	2.79	0.12	2.15

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	17.65	2.63	0.18	2.94
	63 255 191	12.36	2.60	0.21	2.73
	63 255 255	5.77	0.34	0.36	1.53
	127 0 0	7.73	1.58	4.63	5.10
	127 0 63	4.79	5.97	5.21	6.33
	127 0 127	5.69	0.96	5.74	5.92
	127 0 191	0.62	1.70	4.90	4.94
	127 0 255	7.69	0.93	3.49	3.67
	127 63 0	6.53	6.09	7.03	7.95
	127 63 63	1.65	0.86	7.50	7.54
	127 63 127	0.93	0.92	7.79	7.81
	127 63 191	7.26	0.25	6.91	7.06
	127 63 255	14.05	1.88	5.46	5.91
	127 127 0	7.29	0.63	7.47	7.68
	127 127 63	0.61	0.12	7.68	7.68
	127 127 127	0.34	0.06	7.93	7.94
	127 127 191	7.64	1.88	7.56	8.06
	127 127 255	15.54	4.88	6.61	7.64
	127 191 0	0.14	8.46	3.99	5.16
	127 191 63	8.18	4.32	4.16	4.82
	127 191 127	10.06	0.69	4.41	5.26
	127 191 191	4.66	0.30	4.42	4.85
	127 191 255	6.71	3.11	3.98	4.89
	127 255 0	7.41	10.60	0.02	3.48
	127 255 63	14.77	5.48	0.17	2.77
	127 255 127	18.39	0.27	0.38	3.19
	127 255 191	13.16	0.82	0.57	3.07
	127 255 255	7.04	0.27	0.63	2.19
	191 0 0	0.46	1.38	2.08	2.16
	191 0 63	2.52	9.80	2.47	5.05
	191 0 127	2.96	8.13	3.13	4.92
	191 0 191	0.32	1.60	2.95	3.02
	191 0 255	5.80	0.77	2.31	2.48
	191 63 0	2.03	4.76	4.23	4.67
	191 63 63	7.44	3.18	4.54	5.06
	191 63 127	3.73	5.71	5.03	5.83
	191 63 191	6.41	1.72	4.89	5.10
	191 63 255	12.18	0.78	4.19	4.61
	191 127 0	0.18	8.07	5.78	6.75
	191 127 63	5.98	4.86	5.93	6.61
	191 127 127	7.05	0.52	6.28	6.82
	191 127 191	9.13	1.19	6.08	6.69
	191 127 255	15.05	2.29	5.38	6.25
	191 191 0	2.08	0.92	3.41	3.45
	191 191 63	5.16	0.22	3.52	3.69
	191 191 127	6.77	0.01	3.80	4.46
	191 191 191	0.26	0.06	3.83	3.84

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	7.11	1.39	3.47	4.34
	191 255 0	4.19	7.85	0.02	2.71
	191 255 63	11.14	4.73	0.08	2.41
	191 255 127	15.08	1.48	0.34	3.08
	191 255 191	10.17	0.55	0.40	2.99
	191 255 255	4.61	0.16	0.53	2.03
	255 0 0	7.63	4.72	0.52	1.98
	255 0 63	9.40	11.49	0.24	4.51
	255 0 127	3.29	13.03	0.27	5.30
	255 0 191	1.41	6.43	0.54	2.56
	255 0 255	5.37	2.07	0.35	1.13
	255 63 0	10.72	1.35	1.38	2.13
	255 63 63	13.27	4.84	1.68	3.32
	255 63 127	9.23	8.92	2.12	4.63
	255 63 191	7.48	5.12	2.23	3.33
	255 63 255	10.98	2.24	1.95	2.71
	255 127 0	10.02	8.16	3.24	4.64
	255 127 63	13.35	4.49	3.50	4.64
	255 127 127	12.83	2.28	3.76	4.92
	255 127 191	11.25	2.13	3.76	4.69
	255 127 255	14.42	1.66	3.36	4.38
	255 191 0	2.86	5.89	2.08	3.06
	255 191 63	8.40	4.11	2.20	3.19
	255 191 127	10.25	0.74	2.41	3.72
	255 191 191	6.24	0.30	2.49	3.48
	255 191 255	9.21	0.79	2.30	3.63
	255 255 0	2.91	1.98	0.57	0.99
	255 255 63	8.90	1.24	0.46	1.57
	255 255 127	12.81	0.89	0.21	2.79
	255 255 191	6.96	1.02	0.13	2.53
	255 255 255 (1)	-	-	-	-
	Average (2)	7.13	3.48	3.69	4.88
	Maximum (2)	18.39	14.44	8.26	9.77

(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	92%