Colorimetric Report
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Date	Thursday, December 9, 2021
Tester	Oliver Jachmann
Display	MSI Optix MPG321QRFDE-QD
Sensor	X-Rite i1 Display Pro (Corr.: WLED, 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

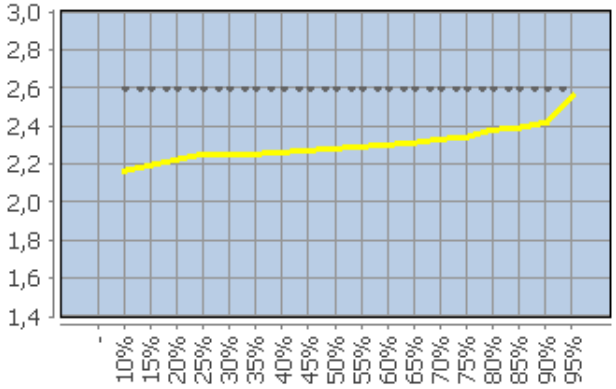
White Point (CCT)	6601 Kelvin
White Point XYZ (normalized)	94.50 100.00 109.43
DeltaE to D50/ D65	20.01/ 1.02
Assumed Target Whitepoint (2)	6600 Kelvin
DeltaE to Assumed Target Whitepoint	1.00
Brightness	304.42 cd/m²
Black Point	0.30 cd/m²
Contrast (x:1)	1015:1
Gradation (Average)	2.30

(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6577	0.45	4.19	2.16
	15	6607	0.09	6.53	2.19
	20	6614	0.17	6.51	2.22
	25	6630	0.18	6.24	2.25
	30	6552	0.20	6.23	2.25
	35	6573	0.10	6.10	2.25
	40	6578	0.17	5.74	2.26
	45	6540	0.28	5.43	2.27
	50	6541	0.30	4.90	2.28
	55	6537	0.33	4.51	2.29
	60	6566	0.22	3.87	2.30
	65	6550	0.31	3.41	2.31
	70	6561	0.26	2.83	2.33
	75	6551	0.32	2.30	2.34
	80	6559	0.39	1.67	2.38
	85	6570	0.30	1.17	2.39
	90	6570	0.27	0.70	2.42
	95	6552	0.38	0.39	2.56
	100 (3)	6601	-	-	-
	Average (4)	-	0.25	4.03	2.3
	Maximum (4)	-	0.39	6.53	-
	Range (4)	-	0.56	-	-

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

Corresponding Gamma



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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

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.81	0.00	0.90	1.21
	0 0 63	8.58	2.27	2.10	4.45
	0 0 127	1.06	2.04	3.22	3.36
	0 0 191	2.79	2.36	2.06	2.30
	0 0 255	5.83	2.69	1.08	1.61
	0 63 0	4.70	1.84	5.23	5.60
	0 63 63	2.39	0.27	5.66	5.80
	0 63 127	3.14	5.53	5.34	6.32
	0 63 191	8.45	6.37	4.17	5.25
	0 63 255	10.99	6.07	2.87	3.92
	0 127 0	1.61	4.12	3.61	4.05
	0 127 63	1.22	3.85	3.96	4.42
	0 127 127	2.38	0.02	4.30	4.39
	0 127 191	2.65	7.68	4.07	6.10
	0 127 255	9.81	9.12	3.54	5.68
	0 191 0	6.47	5.76	1.18	2.54
	0 191 63	5.39	5.40	1.42	2.65
	0 191 127	3.41	4.41	1.69	2.74
	0 191 191	1.08	0.05	1.76	1.79
	0 191 255	1.10	5.86	1.70	3.65
	0 255 0	11.22	7.82	1.40	3.05
	0 255 63	9.47	6.67	1.30	2.73
	0 255 127	8.57	6.65	1.14	2.93
	0 255 191	4.41	4.40	1.04	2.30
	0 255 255	0.33	0.98	0.76	0.90
	63 0 0	5.86	3.06	4.60	5.70
	63 0 63	3.27	0.31	5.23	5.37
	63 0 127	0.64	0.45	4.48	4.49
	63 0 191	3.30	0.38	2.99	3.05
	63 0 255	6.47	1.38	1.80	2.07
	63 63 0	4.79	1.34	5.96	6.37
	63 63 63	0.15	0.01	6.36	6.36
	63 63 127	3.71	1.92	6.02	6.24
	63 63 191	8.46	3.55	4.80	5.31
	63 63 255	11.24	4.37	3.49	4.17
	63 127 0	4.43	0.36	4.15	4.27
	63 127 63	3.91	0.83	4.51	4.66
	63 127 127	0.79	0.24	4.73	4.75
	63 127 191	4.24	4.78	4.48	5.47
	63 127 255	10.13	6.68	3.96	5.33
	63 191 0	8.89	2.87	1.47	2.28
	63 191 63	7.77	2.81	1.71	2.44
	63 191 127	5.92	2.99	1.95	2.77
	63 191 191	1.17	0.31	2.04	2.08
	63 191 255	2.34	4.21	1.99	3.16
	63 255 0	13.00	5.59	1.09	2.58
	63 255 63	11.19	4.53	1.01	2.28

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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

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	10.37	5.10	0.84	2.59
	63 255 191	6.10	3.52	0.75	2.09
	63 255 255	1.95	0.90	0.43	0.80
	127 0 0	2.59	0.29	3.78	3.84
	127 0 63	1.51	4.22	4.08	4.72
	127 0 127	1.45	0.06	4.21	4.23
	127 0 191	2.91	1.32	3.53	3.61
	127 0 255	6.63	0.75	2.54	2.72
	127 63 0	0.43	2.69	5.23	5.42
	127 63 63	2.53	0.96	5.50	5.61
	127 63 127	2.88	0.04	5.50	5.57
	127 63 191	7.24	0.02	4.87	5.09
	127 63 255	10.89	1.15	3.82	4.19
	127 127 0	4.52	0.27	4.46	4.59
	127 127 63	3.26	0.09	4.73	4.85
	127 127 127	0.22	0.05	4.96	4.97
	127 127 191	5.83	1.20	4.80	5.23
	127 127 255	10.59	2.94	4.29	4.98
	127 191 0	10.42	0.91	1.88	2.64
	127 191 63	9.10	0.64	2.10	2.77
	127 191 127	7.25	0.14	2.34	3.11
	127 191 191	2.94	0.25	2.47	2.77
	127 191 255	4.18	1.86	2.38	2.95
	127 255 0	15.09	1.96	0.65	2.20
	127 255 63	13.04	1.08	0.56	1.96
	127 255 127	12.22	1.94	0.40	2.27
	127 255 191	8.26	1.84	0.29	2.09
	127 255 255	3.89	0.77	0.02	1.23
	191 0 0	3.56	3.07	1.99	2.43
	191 0 63	3.77	6.98	2.22	3.90
	191 0 127	0.12	4.18	2.51	3.16
	191 0 191	2.13	0.25	2.40	2.43
	191 0 255	5.78	0.80	1.93	2.13
	191 63 0	6.63	0.11	3.22	3.46
	191 63 63	6.84	2.83	3.48	4.03
	191 63 127	4.14	2.38	3.77	4.07
	191 63 191	6.06	0.41	3.59	3.79
	191 63 255	9.57	0.22	3.06	3.40
	191 127 0	8.87	1.42	3.74	4.20
	191 127 63	6.51	1.88	3.95	4.39
	191 127 127	4.54	0.17	4.20	4.53
	191 127 191	6.74	0.08	4.14	4.60
	191 127 255	10.93	1.01	3.78	4.40
	191 191 0	10.04	0.21	1.83	2.60
	191 191 63	7.67	0.14	2.02	2.59
	191 191 127	5.36	0.53	2.24	2.92
	191 191 191	0.22	0.05	2.32	2.33

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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

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	4.82	0.84	2.26	2.86
	191 255 0	14.86	0.55	0.46	2.20
	191 255 63	12.21	0.29	0.42	1.94
	191 255 127	11.22	0.41	0.23	2.25
	191 255 191	7.14	0.47	0.15	2.09
	191 255 255	2.81	0.55	0.07	1.26
	255 0 0	11.10	7.38	0.25	2.93
	255 0 63	8.96	8.82	0.40	3.58
	255 0 127	3.98	7.31	0.70	3.12
	255 0 191	2.98	3.23	0.81	1.58
	255 0 255	5.28	0.57	0.70	1.07
	255 63 0	14.04	4.77	1.28	2.90
	255 63 63	11.26	5.01	1.48	3.05
	255 63 127	7.23	4.93	1.74	3.03
	255 63 191	6.19	2.23	1.84	2.33
	255 63 255	8.55	0.71	1.64	2.12
	255 127 0	15.55	0.97	2.23	3.33
	255 127 63	11.61	0.20	2.46	3.26
	255 127 127	8.79	0.90	2.72	3.43
	255 127 191	8.22	0.50	2.73	3.35
	255 127 255	10.92	0.40	2.56	3.29
	255 191 0	13.31	0.55	1.20	2.51
	255 191 63	10.07	1.02	1.36	2.37
	255 191 127	7.20	0.02	1.55	2.50
	255 191 191	3.83	0.05	1.64	2.22
	255 191 255	6.47	0.07	1.60	2.52
	255 255 0	15.12	0.56	0.49	2.30
	255 255 63	11.44	0.22	0.45	1.89
	255 255 127	9.93	0.25	0.29	2.15
	255 255 191	5.18	0.50	0.22	1.86
	255 255 255 (1)	-	-	-	-
	Average (2)	6.35	2.20	2.57	3.41
	Maximum (2)	15.55	9.12	6.36	6.37

(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	89%