Colorimetric Report
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Date	Thursday, April 18, 2024
Tester	Oliver Jachmann
Display	MSI MPG 321URXDE QD-OLED
Sensor	X-Rite i1 Display Pro (Corr.: OLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	AdobeRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

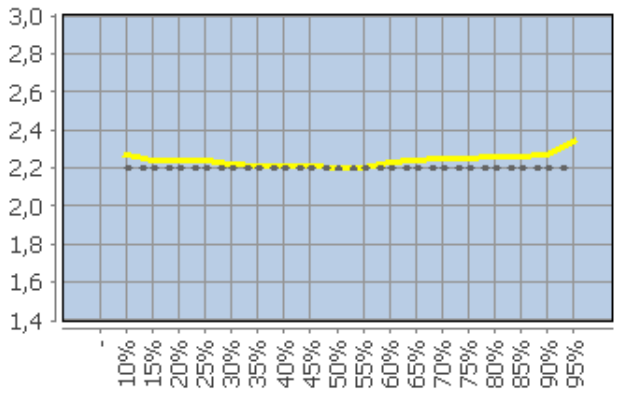
White Point (CCT)	6318 Kelvin
White Point XYZ (normalized)	94.20 100.00 104.40
DeltaE to D50/ D65	16.76/ 3.16
Assumed Target Whitepoint (2)	6300 Kelvin
DeltaE to Assumed Target Whitepoint	1.75
Brightness (3)	204.73 cd/m²
Black Point (3)	0.00 cd/m²
Contrast (x:1)	-
Gradation (Average)	2.24

(2) Daylight (3) Measured separately

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6091	0.29	0.89	2.27
	15	6129	0.59	0.96	2.24
	20	6141	0.49	0.95	2.24
	25	6248	0.27	0.91	2.24
	30	6303	0.07	0.41	2.22
	35	6279	0.24	0.32	2.21
	40	6238	0.40	0.42	2.21
	45	6234	0.47	0.49	2.21
	50	6255	0.35	0.36	2.20
	55	6257	0.47	0.48	2.20
	60	6315	0.03	0.37	2.23
	65	6308	0.07	0.44	2.24
	70	6306	0.12	0.50	2.25
	75	6331	0.11	0.44	2.25
	80	6299	0.21	0.48	2.26
	85	6299	0.18	0.37	2.26
	90	6309	0.35	0.45	2.27
	95	6305	0.19	0.33	2.34
	100 (4)	6319	-	-	-
	Average (5)	-	0.27	0.51	2.24
	Maximum (5)	-	0.59	0.96	-
	Range (5)	-	0.83	-	-

(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	3.25	1.87	0.40	1.64
	0 0 127	0.39	0.84	0.83	0.92
	0 0 191	0.27	0.87	1.15	1.20
	0 0 255	1.67	0.89	1.16	1.22
	0 63 0	7.18	4.00	0.58	2.99
	0 63 63	4.48	0.61	0.79	2.14
	0 63 127	2.23	3.26	1.32	2.44
	0 63 191	4.18	2.38	1.99	2.42
	0 63 255	6.96	2.77	2.56	2.97
	0 127 0	7.21	8.80	0.66	3.84
	0 127 63	7.27	6.32	0.57	3.38
	0 127 127	5.71	0.08	0.23	1.81
	0 127 191	1.35	3.20	0.38	1.93
	0 127 255	2.59	3.65	1.06	2.08
	0 191 0	10.42	11.34	0.94	4.16
	0 191 63	10.46	9.58	0.82	3.90
	0 191 127	10.66	4.09	0.56	2.79
	0 191 191	7.85	0.77	0.22	2.04
	0 191 255	3.31	5.46	0.23	3.03
	0 255 0	12.52	13.86	1.34	4.46
	0 255 63	12.87	12.27	1.35	4.25
	0 255 127	13.11	8.29	1.21	3.61
	0 255 191	11.50	4.03	0.92	2.74
	0 255 255	9.24	0.93	0.79	2.18
	63 0 0	0.97	0.49	0.63	0.79
	63 0 63	1.00	0.27	0.83	0.91
	63 0 127	2.56	0.42	1.82	1.92
	63 0 191	2.27	0.84	2.02	2.08
	63 0 255	2.88	1.20	2.07	2.15
	63 63 0	1.30	0.84	0.88	1.15
	63 63 63	0.38	0.08	1.03	1.10
	63 63 127	2.19	0.28	1.53	1.70
	63 63 191	3.99	0.47	2.31	2.47
	63 63 255	6.62	0.92	2.86	3.07
	63 127 0	1.02	1.33	0.03	0.64
	63 127 63	1.20	1.31	0.07	0.77
	63 127 127	0.97	0.28	0.41	0.59
	63 127 191	1.08	0.85	1.13	1.29
	63 127 255	2.96	0.25	1.64	1.78
	63 191 0	0.18	2.23	0.06	0.79
	63 191 63	0.01	2.08	0.11	0.80
	63 191 127	0.16	0.39	0.20	0.27
	63 191 191	0.61	0.02	0.73	0.75
	63 191 255	1.42	1.24	1.13	1.38
	63 255 0	4.47	7.29	0.72	2.35
	63 255 63	4.73	6.38	0.71	2.21

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	5.26	4.12	0.51	1.74
	63 255 191	4.36	2.30	0.31	1.29
	63 255 255	3.43	0.44	0.25	0.85
	127 0 0	1.65	0.11	0.24	0.47
	127 0 63	1.54	1.17	0.39	0.86
	127 0 127	2.09	0.45	0.85	1.01
	127 0 191	3.48	0.39	1.67	1.80
	127 0 255	5.50	0.38	2.42	2.56
	127 63 0	1.86	0.63	0.42	0.73
	127 63 63	2.02	0.46	0.57	0.96
	127 63 127	2.22	0.45	0.90	1.16
	127 63 191	2.97	0.37	1.57	1.71
	127 63 255	5.37	0.66	2.37	2.55
	127 127 0	2.33	0.95	0.04	0.77
	127 127 63	2.04	0.84	0.07	0.90
	127 127 127	0.56	0.02	0.26	0.61
	127 127 191	0.30	0.16	0.74	0.75
	127 127 255	2.82	0.02	1.46	1.60
	127 191 0	0.93	1.91	0.02	0.79
	127 191 63	1.03	1.89	0.04	0.87
	127 191 127	0.12	0.64	0.20	0.41
	127 191 191	0.14	0.09	0.57	0.57
	127 191 255	1.56	0.61	1.01	1.20
	127 255 0	1.15	2.41	0.30	0.86
	127 255 63	0.72	1.94	0.23	0.72
	127 255 127	0.14	1.06	0.16	0.45
	127 255 191	0.79	0.83	0.07	0.44
	127 255 255	1.33	0.15	0.15	0.41
	191 0 0	2.90	2.06	0.43	1.10
	191 0 63	1.66	1.27	0.55	0.87
	191 0 127	1.53	0.34	0.84	0.92
	191 0 191	2.47	0.28	1.46	1.54
	191 0 255	4.40	0.30	1.98	2.10
	191 63 0	2.77	1.71	0.40	1.01
	191 63 63	1.40	1.43	0.45	0.89
	191 63 127	1.02	0.27	0.73	0.79
	191 63 191	2.01	0.25	1.23	1.31
	191 63 255	3.88	0.44	1.87	1.99
	191 127 0	2.70	0.90	0.03	0.73
	191 127 63	2.08	1.41	0.09	0.96
	191 127 127	0.23	0.65	0.27	0.51
	191 127 191	0.27	0.11	0.66	0.67
	191 127 255	2.06	0.42	1.29	1.38
	191 191 0	2.28	0.75	0.06	0.57
	191 191 63	1.96	0.72	0.06	0.59
	191 191 127	0.42	0.42	0.26	0.41
	191 191 191	0.07	0.00	0.55	0.56

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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 E94
	191 191 255	1.61	0.18	0.91	1.12
	191 255 0	2.24	1.39	0.25	0.67
	191 255 63	1.76	1.20	0.24	0.61
	191 255 127	1.09	0.61	0.22	0.43
	191 255 191	1.06	0.54	0.03	0.46
	191 255 255	1.01	0.02	0.16	0.46
	255 0 0	3.66	2.08	0.35	1.02
	255 0 63	2.65	1.68	0.41	0.90
	255 0 127	1.74	0.18	0.60	0.69
	255 0 191	2.28	0.07	0.94	1.02
	255 0 255	3.66	0.43	1.51	1.63
	255 63 0	3.57	2.01	0.20	0.97
	255 63 63	2.55	1.66	0.21	0.84
	255 63 127	1.45	0.18	0.41	0.51
	255 63 191	1.63	0.19	0.82	0.88
	255 63 255	3.12	0.39	1.29	1.40
	255 127 0	3.54	1.30	0.17	0.84
	255 127 63	2.83	1.32	0.19	0.84
	255 127 127	1.46	0.54	0.05	0.46
	255 127 191	1.29	0.54	0.31	0.53
	255 127 255	1.89	0.02	0.73	0.83
	255 191 0	3.83	0.61	0.16	0.78
	255 191 63	2.71	0.70	0.12	0.68
	255 191 127	1.44	0.85	0.07	0.65
	255 191 191	1.35	0.11	0.26	0.61
	255 191 255	1.78	0.06	0.60	0.85
	255 255 0	3.06	1.43	0.42	0.87
	255 255 63	2.59	1.14	0.41	0.79
	255 255 127	1.35	1.00	0.39	0.72
	255 255 191	0.85	0.86	0.09	0.67
	255 255 255 (1)	-	-	-	-
	Average (2)	2.89	1.63	0.71	1.36
	Maximum (2)	13.11	13.86	2.86	4.46

(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
AdobeRGB	93%