

Colorimetric Report

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CCalc 2.6
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Date	Wednesday, July 3, 2024
Tester	Damian Köb
Display	MSI MPG 274URF-QD
Sensor	X-Rite i1 Display Pro (Corr.: Generic)
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

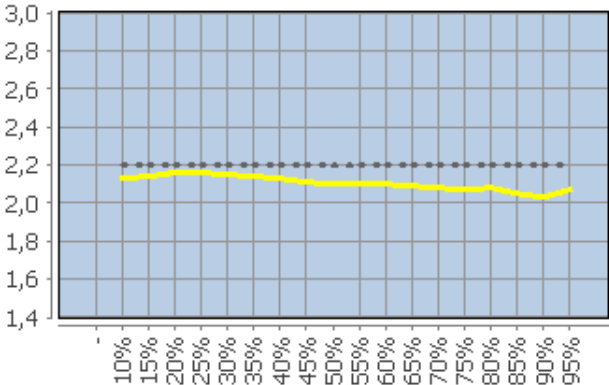
White Point (CCT)	7212 Kelvin
White Point XYZ (normalized)	92.84 100.00 115.37
DeltaE to D50/ D65	24.45/ 5.51
Assumed Target Whitepoint (2)	7200 Kelvin
DeltaE to Assumed Target Whitepoint	4.14
Brightness (3)	196.80 cd/m²
Black Point (3)	0.21 cd/m²
Contrast (x:1)	937:1
Gradation (Average)	2.10

(2) Daylight (3) Measured separately

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7695	1.85	2.12	2.13
	15	7132	0.39	1.24	2.14
	20	7091	0.93	1.22	2.16
	25	7174	0.48	0.91	2.16
	30	7193	0.45	1.06	2.15
	35	7204	0.08	1.20	2.14
	40	7269	0.21	1.34	2.13
	45	7265	0.21	1.52	2.11
	50	7189	0.22	1.59	2.10
	55	7209	0.07	1.55	2.10
	60	7201	0.06	1.43	2.10
	65	7220	0.15	1.39	2.09
	70	7177	0.19	1.31	2.08
	75	7186	0.24	1.21	2.07
	80	7175	0.34	0.97	2.08
	85	7198	0.13	0.83	2.05
	90	7187	0.32	0.72	2.03
	95	7166	0.42	0.49	2.07
	100 (4)	7212	-	-	-
	Average (5)	-	0.29	1.17	2.1
	Maximum (5)	-	0.93	1.59	-
	Range (5)	-	1.18	-	-

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

Corresponding Gamma



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Target	AdobeRGB
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	1.47	0.00	0.83	1.69
	0 0 63	1.09	2.32	0.61	1.59
	0 0 127	0.03	1.05	1.43	1.50
	0 0 191	0.39	1.60	1.59	1.70
	0 0 255	0.96	2.18	1.46	1.63
	0 63 0	5.11	3.06	0.67	2.28
	0 63 63	4.29	0.92	0.80	2.13
	0 63 127	0.92	3.86	1.12	2.56
	0 63 191	0.73	2.96	1.37	1.90
	0 63 255	0.82	2.51	1.52	1.78
	0 127 0	7.12	4.70	1.51	2.75
	0 127 63	6.38	3.57	1.58	2.68
	0 127 127	5.53	1.08	1.63	2.46
	0 127 191	2.32	3.49	1.70	2.73
	0 127 255	2.36	2.51	1.88	2.28
	0 191 0	9.23	6.61	1.54	2.99
	0 191 63	9.46	5.70	1.60	2.99
	0 191 127	9.29	2.28	1.68	2.67
	0 191 191	7.76	1.07	1.73	2.68
	0 191 255	4.91	3.09	1.60	2.64
	0 255 0	13.00	8.29	1.06	3.03
	0 255 63	13.42	7.14	1.03	2.92
	0 255 127	14.22	4.09	1.04	2.71
	0 255 191	12.92	1.10	1.08	2.58
	0 255 255	10.18	1.37	1.05	2.51
	63 0 0	2.58	0.30	0.23	1.01
	63 0 63	1.44	1.14	0.48	0.99
	63 0 127	0.99	0.40	0.68	0.74
	63 0 191	0.47	0.40	0.85	0.86
	63 0 255	0.78	0.85	0.73	0.80
	63 63 0	0.33	0.49	0.62	0.71
	63 63 63	0.61	0.13	0.79	1.01
	63 63 127	1.23	0.85	0.94	1.15
	63 63 191	0.39	0.86	1.08	1.15
	63 63 255	1.07	0.80	1.17	1.21
	63 127 0	3.07	2.52	1.41	1.92
	63 127 63	2.71	2.66	1.55	2.21
	63 127 127	3.45	0.93	1.70	2.26
	63 127 191	1.39	2.22	1.72	2.22
	63 127 255	2.42	0.90	1.83	1.96
	63 191 0	6.70	5.52	1.51	2.67
	63 191 63	7.03	4.92	1.54	2.71
	63 191 127	7.85	1.96	1.61	2.52
	63 191 191	6.47	1.05	1.64	2.51
	63 191 255	4.14	2.38	1.70	2.45
	63 255 0	11.20	7.93	1.00	2.92
	63 255 63	11.98	6.87	1.02	2.85

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Target	AdobeRGB
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	13.13	3.97	1.02	2.66
	63 255 191	12.00	1.11	1.01	2.52
	63 255 255	9.61	1.25	1.10	2.52
	127 0 0	1.87	1.28	0.17	0.79
	127 0 63	2.10	0.01	0.28	0.66
	127 0 127	0.09	1.71	0.40	0.92
	127 0 191	0.02	0.81	0.71	0.79
	127 0 255	1.11	0.36	0.62	0.66
	127 63 0	1.01	1.59	0.34	0.94
	127 63 63	1.55	0.46	0.52	0.82
	127 63 127	0.37	1.21	0.81	1.07
	127 63 191	0.16	0.36	0.92	0.94
	127 63 255	2.18	0.16	1.01	1.07
	127 127 0	1.17	0.64	1.31	1.38
	127 127 63	0.99	0.23	1.37	1.42
	127 127 127	0.16	0.03	1.56	1.57
	127 127 191	0.69	0.51	1.64	1.69
	127 127 255	2.42	0.50	1.69	1.79
	127 191 0	2.07	3.51	1.40	2.03
	127 191 63	2.30	3.41	1.47	2.18
	127 191 127	3.88	1.98	1.49	2.18
	127 191 191	4.15	0.92	1.57	2.40
	127 191 255	2.89	1.99	1.62	2.26
	127 255 0	7.03	6.76	0.92	2.60
	127 255 63	8.01	5.92	0.98	2.58
	127 255 127	9.68	3.93	0.95	2.54
	127 255 191	9.80	1.64	0.95	2.56
	127 255 255	8.22	1.02	1.04	2.60
	191 0 0	1.72	3.24	0.33	1.42
	191 0 63	3.42	0.80	0.23	0.85
	191 0 127	2.16	2.46	0.08	1.23
	191 0 191	1.13	2.13	0.13	0.91
	191 0 255	2.20	0.90	0.27	0.55
	191 63 0	1.49	4.00	0.02	1.76
	191 63 63	3.46	1.66	0.12	1.15
	191 63 127	3.05	1.90	0.34	1.27
	191 63 191	1.99	1.95	0.50	1.09
	191 63 255	2.64	0.85	0.55	0.78
	191 127 0	0.01	4.17	0.86	2.12
	191 127 63	1.49	3.88	0.92	2.31
	191 127 127	3.31	0.74	1.12	1.77
	191 127 191	2.35	1.11	1.13	1.51
	191 127 255	3.58	0.66	1.16	1.45
	191 191 0	1.03	0.55	1.05	1.09
	191 191 63	0.49	0.77	1.06	1.13
	191 191 127	0.50	0.60	1.18	1.25
	191 191 191	0.16	0.09	1.23	1.25

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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

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	1.63	0.50	1.18	1.38
	191 255 0	2.56	3.81	0.60	1.57
	191 255 63	3.52	3.56	0.56	1.62
	191 255 127	5.03	2.63	0.67	1.80
	191 255 191	5.41	1.62	0.61	2.05
	191 255 255	4.41	0.56	0.75	2.06
	255 0 0	4.33	3.83	0.79	1.74
	255 0 63	5.91	1.57	0.71	1.39
	255 0 127	5.62	2.61	0.59	1.63
	255 0 191	4.17	3.63	0.43	1.69
	255 0 255	4.22	2.50	0.38	1.19
	255 63 0	3.93	5.14	0.56	2.10
	255 63 63	5.86	2.51	0.48	1.55
	255 63 127	6.07	2.06	0.35	1.56
	255 63 191	4.78	3.32	0.19	1.69
	255 63 255	5.24	2.35	0.06	1.26
	255 127 0	3.17	6.81	0.27	2.80
	255 127 63	5.14	5.23	0.35	2.55
	255 127 127	6.75	0.92	0.43	1.81
	255 127 191	5.55	1.70	0.54	1.73
	255 127 255	5.59	1.58	0.51	1.47
	255 191 0	0.62	5.43	0.35	2.27
	255 191 63	1.97	4.99	0.39	2.33
	255 191 127	3.89	3.16	0.47	2.19
	255 191 191	4.13	0.41	0.59	1.81
	255 191 255	3.94	0.72	0.53	1.49
	255 255 0	1.26	1.68	0.12	0.69
	255 255 63	2.12	1.55	0.14	0.76
	255 255 127	3.42	1.24	0.10	1.06
	255 255 191	2.56	0.36	0.10	1.06
	255 255 255 (1)	-	-	-	-
	Average (2)	3.95	2.26	0.92	1.79
	Maximum (2)	14.22	8.29	1.88	3.03

(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	89%

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Sensor	X-Rite i1 Display Pro (Corr.: Generic)
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

Property	Device adjustments
Backlight brightness	35
Brightness	196.0
Contrast	70
RGB Gain	
Gradation	
Other	