

Colorimetric Report

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CCalc 2.2
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Date	Wednesday, September 27, 2017
Tester	Manuel Findeis
Display	ASUS MB16AC
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

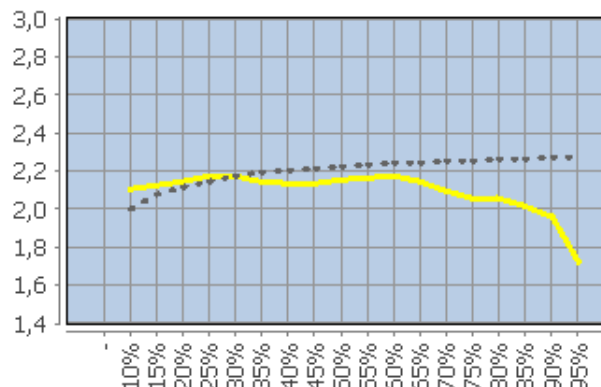
White Point (CCT)	6810 Kelvin
White Point XYZ (normalized)	92.61 100.00 109.28
DeltaE to D50/ D65	20.73/ 4.32
Assumed Target Whitepoint (2)	6800 Kelvin
DeltaE to Assumed Target Whitepoint	4.76
Brightness	162.13 cd/m²
Black Point	0.12 cd/m²
Contrast (x:1)	1351:1
Gradation (Average)	2.09

(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7168	0.79	1.92	2.10
	15	6941	0.35	1.01	2.12
	20	6866	0.15	0.48	2.14
	25	6809	0.15	0.48	2.17
	30	6786	0.31	0.31	2.17
	35	6750	0.25	0.90	2.14
	40	6714	0.42	1.38	2.13
	45	6731	0.54	1.51	2.13
	50	6725	0.77	1.42	2.15
	55	6714	0.82	1.34	2.16
	60	6694	0.90	1.30	2.17
	65	6695	1.08	1.72	2.14
	70	6697	1.06	2.00	2.09
	75	6700	1.07	2.06	2.06
	80	6698	1.11	1.86	2.06
	85	6708	1.13	1.77	2.02
	90	6723	1.00	1.52	1.96
	95	6756	0.60	1.24	1.72
	100 (3)	6810	-	-	-
	Average (4)	-	0.69	1.31	2.09
	Maximum (4)	-	1.13	2.06	-
	Range (4)	-	1.47	-	-

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

Corresponding Gamma



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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
	0 0 0	0.90	0.00	0.68	1.13
	0 0 63	13.60	8.64	3.73	7.90
	0 0 127	28.63	20.23	8.63	14.08
	0 0 191	37.92	27.06	11.62	16.86
	0 0 255	46.68	32.75	13.46	18.54
	0 63 0	11.88	3.42	2.41	5.13
	0 63 63	4.13	1.15	0.81	2.56
	0 63 127	6.91	8.19	3.19	6.41
	0 63 191	20.44	18.79	7.42	12.19
	0 63 255	33.65	26.44	10.38	15.32
	0 127 0	15.51	6.65	2.31	5.40
	0 127 63	12.07	4.87	1.57	4.77
	0 127 127	5.53	1.26	0.45	2.55
	0 127 191	4.54	6.28	3.41	5.39
	0 127 255	15.33	16.31	6.31	10.59
	0 191 0	19.85	9.40	2.67	5.98
	0 191 63	17.53	8.31	2.24	5.67
	0 191 127	14.67	2.90	1.05	4.40
	0 191 191	7.31	1.39	0.91	2.88
	0 191 255	4.96	5.42	3.09	4.73
	0 255 0	25.95	11.07	4.69	7.36
	0 255 63	24.65	10.13	4.45	7.16
	0 255 127	23.09	5.68	3.62	6.31
	0 255 191	18.39	0.45	2.20	5.10
	0 255 255	9.93	2.98	0.57	3.54
	63 0 0	7.31	1.29	0.32	3.08
	63 0 63	15.20	3.43	2.47	6.14
	63 0 127	25.61	15.17	6.77	11.50
	63 0 191	35.90	24.00	10.44	15.39
	63 0 255	45.25	30.31	12.65	17.53
	63 63 0	6.91	3.18	1.89	3.88
	63 63 63	0.06	0.03	0.51	0.51
	63 63 127	8.62	8.29	3.06	6.71
	63 63 191	21.01	17.28	7.04	11.59
	63 63 255	33.70	25.14	10.02	14.84
	63 127 0	12.53	6.01	2.04	4.86
	63 127 63	8.90	4.61	1.27	4.24
	63 127 127	3.48	0.60	0.66	1.95
	63 127 191	4.92	7.49	3.54	6.15
	63 127 255	16.16	16.12	6.30	10.62
	63 191 0	17.85	8.75	2.51	5.64
	63 191 63	15.70	7.92	2.07	5.41
	63 191 127	12.95	2.96	0.87	4.18
	63 191 191	6.14	1.15	1.05	2.70
	63 191 255	4.97	5.80	3.17	5.01
	63 255 0	25.08	11.21	4.66	7.37
	63 255 63	23.71	10.13	4.38	7.11

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Target	sRGB
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	22.30	5.77	3.55	6.28
	63 255 191	17.61	0.41	2.15	5.05
	63 255 255	9.26	2.88	0.52	3.47
	127 0 0	10.07	2.43	1.24	3.23
	127 0 63	12.41	4.76	2.28	5.18
	127 0 127	22.94	5.31	5.11	8.01
	127 0 191	32.84	15.35	8.58	12.26
	127 0 255	42.63	22.97	11.18	15.17
	127 63 0	6.48	1.83	0.38	2.26
	127 63 63	3.63	2.51	0.58	2.38
	127 63 127	12.76	3.49	3.11	5.66
	127 63 191	22.67	12.03	6.47	9.95
	127 63 255	33.92	19.83	9.28	13.28
	127 127 0	7.99	5.72	1.20	3.97
	127 127 63	3.45	4.57	0.53	3.30
	127 127 127	0.76	0.10	1.18	1.40
	127 127 191	8.09	6.53	3.72	6.39
	127 127 255	18.86	13.92	6.30	10.20
	127 191 0	14.06	8.79	2.00	5.30
	127 191 63	11.63	8.29	1.55	5.19
	127 191 127	9.25	4.32	0.44	4.17
	127 191 191	3.75	0.25	1.35	2.35
	127 191 255	5.98	6.07	3.37	5.59
	127 255 0	22.21	11.74	4.27	7.21
	127 255 63	21.06	11.14	3.99	7.10
	127 255 127	19.79	7.26	3.18	6.35
	127 255 191	15.75	1.11	1.83	5.00
	127 255 255	8.06	2.30	0.27	3.37
	191 0 0	13.95	2.27	1.91	3.63
	191 0 63	12.35	7.00	2.49	5.18
	191 0 127	20.62	2.01	4.33	6.56
	191 0 191	30.30	6.72	7.07	9.59
	191 0 255	39.83	14.67	9.52	12.56
	191 63 0	9.89	0.47	0.86	2.43
	191 63 63	7.31	4.45	1.46	3.43
	191 63 127	14.54	1.92	3.21	5.28
	191 63 191	23.75	5.54	5.83	8.26
	191 63 255	33.90	13.11	8.29	11.36
	191 127 0	6.82	2.80	0.18	2.22
	191 127 63	2.69	0.46	0.35	0.96
	191 127 127	4.11	2.60	1.72	3.14
	191 127 191	12.77	2.79	3.85	6.09
	191 127 255	22.10	9.64	6.10	9.21
	191 191 0	9.89	7.72	1.27	4.37
	191 191 63	6.89	7.10	0.87	4.14
	191 191 127	3.90	4.37	0.13	3.29
	191 191 191	0.99	0.14	1.74	2.00

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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	9.10	5.39	3.56	6.19
	191 255 0	17.95	12.18	3.66	6.89
	191 255 63	16.54	11.78	3.41	6.85
	191 255 127	15.24	8.96	2.65	6.40
	191 255 191	11.86	3.90	1.40	5.08
	191 255 255	5.32	1.20	0.07	2.90
	255 0 0	18.34	2.60	1.24	3.59
	255 0 63	15.90	6.43	1.62	4.45
	255 0 127	20.99	3.89	2.98	5.56
	255 0 191	29.00	2.41	5.16	7.60
	255 0 255	37.49	9.29	7.32	10.09
	255 63 0	15.59	1.89	0.61	3.05
	255 63 63	13.20	5.06	1.01	3.69
	255 63 127	17.60	3.53	2.35	4.95
	255 63 191	25.05	2.15	4.43	6.91
	255 63 255	33.57	8.58	6.54	9.38
	255 127 0	11.31	0.98	0.07	2.37
	255 127 63	8.65	3.44	0.34	2.67
	255 127 127	10.46	4.05	1.46	4.07
	255 127 191	17.11	0.04	3.25	5.81
	255 127 255	25.22	6.35	5.19	8.17
	255 191 0	9.48	2.92	1.07	2.60
	255 191 63	6.71	1.75	0.75	1.97
	255 191 127	4.38	0.56	0.13	1.51
	255 191 191	6.13	2.66	1.56	3.83
	255 191 255	13.91	3.28	3.19	6.24
	255 255 0	14.15	9.34	3.42	5.76
	255 255 63	12.50	8.76	3.21	5.60
	255 255 127	10.40	6.98	2.51	5.17
	255 255 191	6.54	3.91	1.36	3.99
	255 255 255 (1)	-	-	-	-
	Average (2)	15.58	7.12	3.35	6.21
	Maximum (2)	46.68	32.75	13.46	18.54

(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
sRGB	61%

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Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
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Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	50
Contrast	80
RGB Gain	100 100 100
Gradation	
Other	Modus Standard