

Colorimetric Report

Page (1/5)



CCalc 2.4
Copyright © 2018, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Monday, April 27, 2020
Tester	Manuel Findeis
Display	Asus MB16ACE
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Considered
Rendering Intent	Relative colorimetric

(1) Five equally spaced code values for each channel

White Point (CCT)	6510 Kelvin
White Point XYZ (normalized)	95.23 100.00 109.33
DeltaE to D50/ D65	19.77/ 0.42
Assumed Target Whitepoint (2)	6500 Kelvin
DeltaE to Assumed Target Whitepoint	0.51
Brightness	139.75 cd/m ²
Black Point	0.12 cd/m ²
Contrast (x:1)	1165:1
Gradation (Average)	2.18

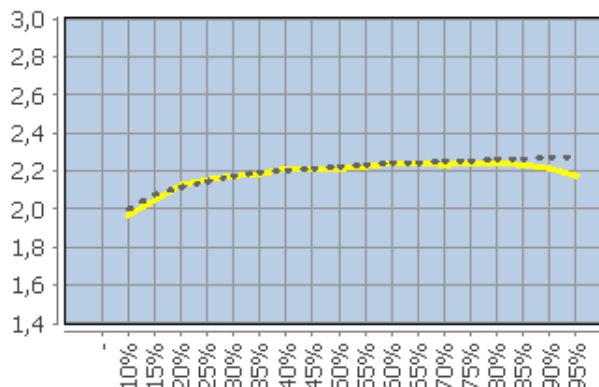
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6726	0.58	0.81	1.97
	15	6300	0.54	0.70	2.05
	20	6782	0.73	0.74	2.12
	25	6614	0.32	0.32	2.15
	30	6470	0.14	0.16	2.17
	35	6504	0.54	0.57	2.18
	40	6525	0.77	0.78	2.21
	45	6508	0.01	0.16	2.21
	50	6465	0.71	0.74	2.21
	55	6455	0.46	0.49	2.22
	60	6520	0.21	0.21	2.24
	65	6519	0.41	0.42	2.24
	70	6518	0.45	0.51	2.23
	75	6514	0.07	0.13	2.24
	80	6492	0.79	0.81	2.24
	85	6497	0.72	0.74	2.23
	90	6491	0.66	0.70	2.21
	95	6511	0.58	0.61	2.17
	100 (3)	6510	-	-	-
	Average (4)	-	0.48	0.53	2.18
	Maximum (4)	-	0.79	0.81	-
	Range (4)	-	1.56	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



Colorimetric Report

Page (2/5)



CCalc 2.4
Copyright © 2018, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Monday, April 27, 2020
Tester	Manuel Findeis
Display	Asus MB16ACE
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Considered
Rendering Intent	Relative colorimetric

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	1.00	0.00	0.75	1.25
	0 0 63	12.07	4.64	4.71	6.83
	0 0 127	28.21	12.37	9.35	12.53
	0 0 191	36.88	16.79	12.68	15.55
	0 0 255	44.54	19.69	15.43	17.93
	0 63 0	7.59	6.99	0.38	4.97
	0 63 63	5.68	0.23	0.66	3.18
	0 63 127	1.70	0.05	0.34	0.68
	0 63 191	7.77	3.91	2.55	3.55
	0 63 255	23.27	10.93	8.01	9.77
	0 127 0	10.52	11.63	0.99	6.23
	0 127 63	10.29	9.27	1.15	6.13
	0 127 127	9.00	0.12	0.99	3.96
	0 127 191	2.44	2.87	0.64	2.06
	0 127 255	1.95	0.32	0.27	0.55
	0 191 0	12.86	15.90	2.33	7.32
	0 191 63	12.74	14.61	2.32	7.39
	0 191 127	12.52	10.17	2.22	6.74
	0 191 191	11.61	0.35	1.91	4.55
	0 191 255	5.90	4.18	1.05	3.30
	0 255 0	23.62	17.77	3.60	8.19
	0 255 63	24.33	15.79	3.33	7.93
	0 255 127	23.96	11.15	2.60	7.19
	0 255 191	21.69	3.77	1.30	5.88
	0 255 255	15.25	1.76	0.15	4.79
	63 0 0	6.51	1.14	1.71	3.22
	63 0 63	13.76	0.19	4.11	6.26
	63 0 127	25.29	7.64	7.88	10.45
	63 0 191	35.01	13.76	11.87	14.42
	63 0 255	43.31	17.53	14.95	17.26
	63 63 0	3.30	0.44	0.78	1.53
	63 63 63	0.53	0.11	0.19	0.58
	63 63 127	1.29	0.35	0.19	0.54
	63 63 191	8.75	3.74	2.57	3.65
	63 63 255	23.25	9.86	8.00	9.62
	63 127 0	3.18	2.93	0.91	1.92
	63 127 63	2.62	1.56	0.61	1.41
	63 127 127	0.25	0.87	0.39	0.78
	63 127 191	0.66	0.62	0.19	0.49
	63 127 255	1.89	0.27	0.10	0.47
	63 191 0	8.63	10.74	1.12	4.93
	63 191 63	7.96	10.02	1.15	5.03
	63 191 127	7.89	6.76	1.03	4.49
	63 191 191	7.01	0.17	0.80	2.82
	63 191 255	3.22	1.85	0.03	1.56
	63 255 0	20.38	14.73	4.12	7.50
	63 255 63	21.11	12.73	3.86	7.18

Colorimetric Report

Page (3/5)



CCalc 2.4
Copyright © 2018, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Monday, April 27, 2020
Tester	Manuel Findeis
Display	Asus MB16ACE
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Considered
Rendering Intent	Relative colorimetric

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	20.35	8.84	3.13	6.45
	63 255 191	18.43	2.34	1.78	5.24
	63 255 255	12.03	1.57	0.33	3.99
	127 0 0	13.03	2.21	2.59	4.49
	127 0 63	10.79	6.79	3.77	6.32
	127 0 127	21.88	0.81	6.47	8.40
	127 0 191	31.38	7.34	10.06	12.01
	127 0 255	40.24	13.00	13.47	15.45
	127 63 0	8.61	4.46	0.62	3.70
	127 63 63	1.21	0.11	0.01	0.52
	127 63 127	1.37	0.30	0.03	0.49
	127 63 191	10.79	2.93	3.04	4.12
	127 63 255	23.36	7.79	7.80	9.24
	127 127 0	3.15	0.34	1.13	1.44
	127 127 63	0.59	0.05	0.31	0.38
	127 127 127	0.69	0.14	0.13	0.71
	127 127 191	0.96	0.36	0.28	0.51
	127 127 255	1.83	0.06	0.16	0.46
	127 191 0	0.19	0.71	0.42	0.53
	127 191 63	0.65	0.17	0.25	0.31
	127 191 127	1.13	0.08	0.35	0.52
	127 191 191	0.44	0.25	0.14	0.33
	127 191 255	1.73	0.35	0.07	0.68
	127 255 0	11.59	4.51	5.78	6.34
	127 255 63	11.95	3.38	5.56	6.12
	127 255 127	10.93	0.96	4.80	5.39
	127 255 191	8.37	2.48	3.41	4.42
	127 255 255	2.35	1.11	1.88	2.19
	191 0 0	18.13	4.42	3.92	5.79
	191 0 63	9.20	11.21	4.08	7.18
	191 0 127	18.75	7.19	6.14	8.29
	191 0 191	28.62	0.74	8.91	10.48
	191 0 255	37.15	6.34	12.06	13.60
	191 63 0	11.27	10.47	0.18	5.57
	191 63 63	0.81	0.33	0.52	0.60
	191 63 127	3.91	0.67	0.53	1.27
	191 63 191	13.48	0.13	4.06	5.05
	191 63 255	23.86	4.09	7.76	8.94
	191 127 0	8.27	2.61	0.61	2.53
	191 127 63	0.65	0.49	0.20	0.40
	191 127 127	1.14	0.27	0.16	0.58
	191 127 191	0.74	0.45	0.16	0.40
	191 127 255	1.01	0.24	0.09	0.28
	191 191 0	2.61	0.43	0.54	0.81
	191 191 63	0.79	0.34	0.39	0.48
	191 191 127	0.11	0.12	0.24	0.25
	191 191 191	0.03	0.04	0.08	0.09

Colorimetric Report

Page (4/5)



CCalc 2.4
Copyright © 2018, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Monday, April 27, 2020
Tester	Manuel Findeis
Display	Asus MB16ACE
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Considered
Rendering Intent	Relative colorimetric

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	1.45	0.02	0.26	0.63
	191 255 0	6.89	2.50	5.77	5.98
	191 255 63	8.44	1.42	5.40	5.68
	191 255 127	8.64	0.29	4.53	5.01
	191 255 191	6.05	1.92	3.01	3.89
	191 255 255	1.31	0.68	1.09	1.39
	255 0 0	28.96	5.52	0.95	5.59
	255 0 63	16.39	12.35	1.26	6.26
	255 0 127	23.29	3.41	0.32	5.08
	255 0 191	29.24	4.80	2.69	6.47
	255 0 255	34.91	12.27	5.50	9.06
	255 63 0	22.22	12.22	4.61	7.92
	255 63 63	9.72	3.50	4.84	5.47
	255 63 127	13.73	1.81	3.19	4.55
	255 63 191	18.56	6.16	0.62	4.77
	255 63 255	24.60	11.18	2.47	6.57
	255 127 0	17.75	3.23	3.64	5.35
	255 127 63	6.33	3.98	3.94	4.64
	255 127 127	8.69	1.74	3.75	4.63
	255 127 191	5.73	7.33	3.74	5.68
	255 127 255	1.14	8.59	4.65	6.11
	255 191 0	9.06	2.29	1.31	2.52
	255 191 63	1.50	3.52	1.53	2.32
	255 191 127	3.78	2.77	1.61	2.64
	255 191 191	5.26	0.58	1.57	2.98
	255 191 255	3.62	4.76	1.60	3.61
	255 255 0	8.03	3.68	4.24	4.74
	255 255 63	5.82	3.96	3.99	4.50
	255 255 127	6.58	2.75	3.18	3.89
	255 255 191	4.63	1.66	1.73	2.80
	255 255 255 (1)	-	-	-	-
	Average (2)	11.34	4.58	2.92	4.78
	Maximum (2)	44.54	19.69	15.43	17.93

(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	58%

Colorimetric Report

Page (5/5)



CCalc 2.4
Copyright © 2018, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Monday, April 27, 2020
Tester	Manuel Findeis
Display	Asus MB16ACE
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Considered
Rendering Intent	Relative colorimetric

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	54
Contrast	80
RGB Gain	94 100 92
Gradation	n.v.
Other	Standard-Modus