

Colorimetric Report

Page (1/5)



CCalc 2.2
Copyright © 2015, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Sunday, September 16, 2018
Tester	Manuel Findeis
Display	AOC I1601FWUX
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)	6424 Kelvin
White Point XYZ (normalized)	94.49 100.00 106.65
DeltaE to D50/ D65	18.17/ 1.69
Assumed Target Whitepoint (2)	6400 Kelvin
DeltaE to Assumed Target Whitepoint	1.04
Brightness	130.62 cd/m ²
Black Point	0.15 cd/m ²
Contrast (x:1)	871:1
Gradation (Average)	2.24

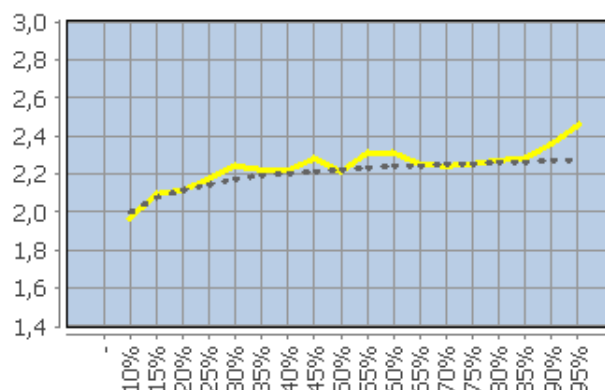
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6204	0.73	0.91	1.97
	15	6586	1.84	1.88	2.09
	20	6417	0.73	0.76	2.11
	25	6411	0.88	0.96	2.17
	30	6592	1.86	2.30	2.24
	35	6641	2.03	2.10	2.22
	40	6245	0.78	0.85	2.22
	45	6440	2.28	2.53	2.28
	50	6703	2.11	2.14	2.21
	55	6668	2.22	2.49	2.31
	60	6532	2.61	2.77	2.31
	65	6476	0.68	0.68	2.25
	70	6369	1.22	1.23	2.24
	75	6560	1.19	1.19	2.25
	80	6595	1.46	1.47	2.27
	85	6518	1.74	1.74	2.28
	90	6555	2.14	2.17	2.36
	95	6626	2.78	2.80	2.46
	100 (3)	6424	-	-	-
	Average (4)	-	1.63	1.72	2.24
	Maximum (4)	-	2.78	2.8	-
	Range (4)	-	3.56	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



Colorimetric Report

Page (2/5)



CCalc 2.2
Copyright © 2015, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Sunday, September 16, 2018
Tester	Manuel Findeis
Display	AOC I1601FWUX
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	1.57	0.00	1.02	1.87
	0 0 63	13.10	5.41	5.00	7.44
	0 0 127	28.61	13.92	10.38	13.67
	0 0 191	37.66	18.36	14.30	17.19
	0 0 255	45.76	21.10	16.98	19.50
	0 63 0	8.45	6.62	0.53	4.95
	0 63 63	5.17	1.52	1.07	3.25
	0 63 127	1.35	0.21	0.69	0.84
	0 63 191	8.56	5.26	3.79	4.86
	0 63 255	24.32	12.46	9.45	11.26
	0 127 0	9.99	11.81	0.60	6.20
	0 127 63	11.19	8.61	0.03	5.86
	0 127 127	8.75	3.42	1.07	4.55
	0 127 191	0.08	5.01	0.07	3.08
	0 127 255	1.10	1.53	0.45	0.89
	0 191 0	12.18	15.67	1.85	7.05
	0 191 63	14.36	12.91	0.93	6.54
	0 191 127	14.79	7.73	0.81	5.79
	0 191 191	11.40	0.63	1.55	4.35
	0 191 255	4.64	5.73	1.12	3.87
	0 255 0	23.97	17.31	4.96	8.77
	0 255 63	25.46	14.39	4.62	8.29
	0 255 127	24.73	9.98	3.81	7.51
	0 255 191	22.62	1.67	2.22	6.13
	0 255 255	15.36	4.62	0.49	5.43
	63 0 0	7.03	3.11	2.35	4.23
	63 0 63	15.29	0.66	5.22	7.42
	63 0 127	26.23	8.83	9.24	11.81
	63 0 191	36.01	15.47	13.35	15.96
	63 0 255	44.54	19.13	16.38	18.75
	63 63 0	2.24	0.41	0.36	0.98
	63 63 63	0.73	0.12	0.06	0.75
	63 63 127	0.20	0.19	0.36	0.38
	63 63 191	9.63	5.32	4.07	5.21
	63 63 255	24.50	11.68	9.39	11.12
	63 127 0	3.37	2.05	0.81	1.57
	63 127 63	3.51	1.05	1.36	1.90
	63 127 127	0.60	2.76	0.28	2.13
	63 127 191	1.42	1.15	0.29	0.93
	63 127 255	0.19	0.23	0.06	0.13
	63 191 0	9.48	9.70	0.22	4.47
	63 191 63	8.18	9.57	0.06	4.73
	63 191 127	9.72	4.57	0.09	3.78
	63 191 191	7.23	2.65	0.25	3.29
	63 191 255	1.08	4.40	0.54	2.74
	63 255 0	21.05	13.65	5.45	8.10
	63 255 63	22.44	11.18	5.10	7.68

Colorimetric Report

Page (3/5)



CCalc 2.2
Copyright © 2015, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Sunday, September 16, 2018
Tester	Manuel Findeis
Display	AOC I1601FWUX
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	21.60	7.38	4.31	6.94
	63 255 191	19.25	0.24	2.72	5.69
	63 255 255	12.17	4.41	1.00	4.80
	127 0 0	11.75	3.55	3.17	4.83
	127 0 63	13.16	8.58	4.05	7.50
	127 0 127	23.56	1.56	7.64	9.59
	127 0 191	34.26	7.02	11.39	13.37
	127 0 255	42.00	14.65	14.95	17.02
	127 63 0	5.61	2.22	0.78	2.27
	127 63 63	1.57	1.47	0.42	1.28
	127 63 127	0.18	1.49	0.25	0.93
	127 63 191	13.36	3.76	3.90	5.23
	127 63 255	25.30	9.64	9.24	10.83
	127 127 0	0.30	1.04	0.49	0.75
	127 127 63	0.55	1.30	0.88	1.24
	127 127 127	2.64	0.17	0.66	2.73
	127 127 191	0.95	0.08	0.24	0.43
	127 127 255	0.51	0.22	0.04	0.17
	127 191 0	2.14	0.16	1.26	1.34
	127 191 63	1.57	0.51	0.72	0.85
	127 191 127	2.17	0.78	0.46	1.00
	127 191 191	0.79	1.27	0.39	1.11
	127 191 255	0.14	0.38	0.33	0.41
	127 255 0	12.50	3.63	7.13	7.56
	127 255 63	13.11	2.35	6.85	7.31
	127 255 127	12.98	1.04	5.92	6.59
	127 255 191	9.56	4.72	4.32	5.77
	127 255 255	2.32	3.45	2.53	3.47
	191 0 0	14.84	4.18	5.23	6.35
	191 0 63	10.82	13.67	5.54	9.07
	191 0 127	21.34	9.58	7.88	10.40
	191 0 191	31.93	0.06	10.25	11.95
	191 0 255	39.74	6.89	14.15	15.67
	191 63 0	7.12	5.89	0.53	3.26
	191 63 63	0.16	1.47	0.23	0.81
	191 63 127	6.68	3.19	2.15	3.32
	191 63 191	16.89	0.70	5.63	6.77
	191 63 255	26.58	5.33	9.56	10.81
	191 127 0	2.78	0.40	0.45	0.85
	191 127 63	0.15	0.09	0.67	0.67
	191 127 127	0.21	2.18	0.14	1.56
	191 127 191	0.36	0.50	0.12	0.35
	191 127 255	0.03	0.24	0.38	0.40
	191 191 0	0.41	1.17	0.74	0.92
	191 191 63	0.19	0.58	0.31	0.43
	191 191 127	4.42	0.61	1.15	2.14
	191 191 191	1.20	0.21	0.01	1.21

Colorimetric Report

Page (4/5)



CCalc 2.2
Copyright © 2015, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Sunday, September 16, 2018
Tester	Manuel Findeis
Display	AOC I1601FWUX
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	1.38	0.25	0.69	0.90
	191 255 0	9.33	1.87	6.64	6.89
	191 255 63	9.10	1.22	6.39	6.65
	191 255 127	10.85	1.01	5.23	5.89
	191 255 191	6.43	1.88	3.74	4.54
	191 255 255	1.32	1.99	1.48	2.22
	255 0 0	25.18	4.87	0.57	4.84
	255 0 63	18.84	13.41	0.72	6.80
	255 0 127	25.74	6.92	2.09	6.51
	255 0 191	32.31	4.29	4.71	7.93
	255 0 255	38.72	11.55	7.30	10.49
	255 63 0	18.43	2.35	3.09	4.70
	255 63 63	11.83	5.26	2.91	4.47
	255 63 127	16.17	1.52	1.42	4.02
	255 63 191	21.64	5.65	1.40	5.34
	255 63 255	28.57	10.56	4.25	7.71
	255 127 0	11.32	0.38	3.94	4.58
	255 127 63	6.46	1.43	4.26	4.58
	255 127 127	7.46	4.49	4.09	5.26
	255 127 191	3.14	8.17	4.12	6.10
	255 127 255	0.09	9.22	3.87	5.75
	255 191 0	2.63	2.09	1.83	2.13
	255 191 63	2.47	1.44	2.44	2.61
	255 191 127	4.74	1.93	1.36	2.40
	255 191 191	3.90	2.15	2.26	3.31
	255 191 255	0.58	5.37	1.95	3.89
	255 255 0	4.93	4.53	4.73	5.16
	255 255 63	6.38	4.73	4.21	4.87
	255 255 127	7.31	3.18	3.43	4.26
	255 255 191	4.54	2.02	1.92	2.99
	255 255 255 (1)	-	-	-	-
	Average (2)	11.64	4.87	3.40	5.29
	Maximum (2)	45.76	21.10	16.98	19.50

(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	59%

Colorimetric Report

Page (5/5)



CCalc 2.2
Copyright © 2015, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Sunday, September 16, 2018
Tester	Manuel Findeis
Display	AOC I1601FWUX
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	67
Contrast	50
RGB Gain	
Gradation	
Other	