

Colorimetric Report

Page (1/5)



CCalc 2.5
 Copyright © 2020, Denis Freund
 All Rights Reserved
 lic. for PRAD ProAdviser

Date	Wednesday, February 1, 2023
Tester	Manuel Findeis
Display	Dell S2722QC
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)	6883 Kelvin
White Point XYZ (normalized)	96.16 100.00 116.46
DeltaE to D50/ D65	24.34/ 4.93
Assumed Target Whitepoint (2)	6900 Kelvin
DeltaE to Assumed Target Whitepoint	2.39
Brightness	188.26 cd/m ²
Black Point	0.16 cd/m ²
Contrast (x:1)	1177:1
Gradation (Average)	2.06

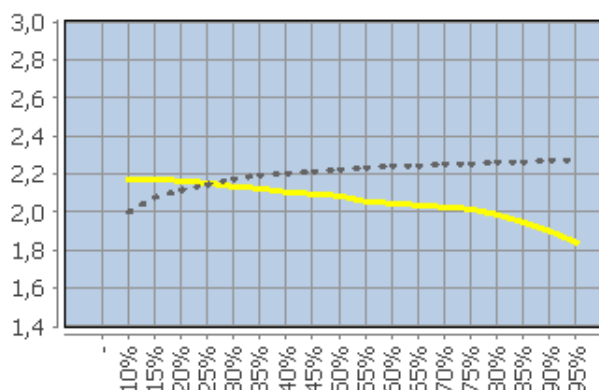
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6668	0.36	2.88	2.17
	15	6825	0.74	2.07	2.17
	20	6820	0.72	1.12	2.16
	25	6886	0.86	0.86	2.15
	30	6931	1.05	1.30	2.13
	35	6880	0.63	1.51	2.12
	40	6873	0.66	1.97	2.10
	45	6889	0.67	2.20	2.09
	50	6910	0.78	2.46	2.08
	55	6890	0.70	2.64	2.06
	60	6902	0.61	2.63	2.05
	65	6892	0.40	2.50	2.04
	70	6885	0.30	2.38	2.03
	75	6875	0.32	2.21	2.02
	80	6876	0.12	1.99	1.99
	85	6871	0.10	1.77	1.95
	90	6854	0.19	1.38	1.90
	95	6869	0.13	0.86	1.84
	100 (3)	6884	-	-	-
	Average (4)	-	0.53	1.87	2.06
	Maximum (4)	-	1.05	2.64	-
	Range (4)	-	1.15	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



Colorimetric Report

Page (2/5)



CCalc 2.5
 Copyright © 2020, Denis Freund
 All Rights Reserved
 lic. for PRAD ProAdviser

Date	Wednesday, February 1, 2023
Tester	Manuel Findeis
Display	Dell S2722QC
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

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.84	0.00	0.77	1.14
	0 0 63	1.45	0.23	0.41	0.66
	0 0 127	3.84	0.72	0.95	1.31
	0 0 191	6.27	1.38	0.87	1.48
	0 0 255	7.32	2.64	0.12	1.37
	0 63 0	5.37	3.53	0.82	2.92
	0 63 63	4.70	1.61	0.46	2.90
	0 63 127	4.55	0.53	0.14	1.61
	0 63 191	6.57	1.44	0.39	1.63
	0 63 255	5.81	1.59	0.03	1.12
	0 127 0	17.95	2.65	0.93	4.54
	0 127 63	15.27	1.69	1.30	4.82
	0 127 127	9.30	1.94	1.57	4.47
	0 127 191	3.21	5.40	1.67	3.88
	0 127 255	0.17	4.85	1.49	2.74
	0 191 0	24.42	2.84	0.89	4.80
	0 191 63	21.60	3.81	1.10	4.97
	0 191 127	15.42	3.70	1.29	4.81
	0 191 191	12.08	2.17	1.40	4.71
	0 191 255	5.09	9.29	1.33	5.89
	0 255 0	28.56	3.87	0.33	4.69
	0 255 63	25.05	5.51	0.33	4.68
	0 255 127	18.13	7.97	0.24	4.94
	0 255 191	15.38	5.22	0.19	4.65
	0 255 255	13.78	2.34	0.34	4.45
	63 0 0	1.81	1.92	0.10	1.48
	63 0 63	2.09	1.56	0.04	1.19
	63 0 127	6.04	0.89	0.62	1.58
	63 0 191	7.44	1.60	0.75	1.63
	63 0 255	7.82	2.98	0.07	1.51
	63 63 0	2.89	0.95	0.49	1.37
	63 63 63	0.79	0.12	0.08	0.81
	63 63 127	5.08	0.35	0.47	1.86
	63 63 191	6.67	1.29	0.68	1.73
	63 63 255	5.69	1.86	0.23	1.20
	63 127 0	16.27	2.41	1.24	4.50
	63 127 63	12.89	2.36	1.64	4.79
	63 127 127	7.81	1.63	1.83	4.56
	63 127 191	2.13	5.03	1.98	3.81
	63 127 255	0.87	4.30	1.80	2.74
	63 191 0	23.44	2.70	1.09	4.81
	63 191 63	19.72	3.78	1.32	4.84
	63 191 127	13.71	4.09	1.51	4.81
	63 191 191	10.83	1.97	1.64	4.67
	63 191 255	3.75	8.96	1.56	5.77
	63 255 0	27.36	3.39	0.32	4.55
	63 255 63	23.18	5.11	0.28	4.43

Colorimetric Report

Page (3/5)



C Calc 2.5
 Copyright © 2020, Denis Freund
 All Rights Reserved
 lic. for PRAD ProAdviser

Date	Wednesday, February 1, 2023
Tester	Manuel Findeis
Display	Dell S2722QC
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

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	15.85	7.83	0.19	4.69
	63 255 191	13.56	5.36	0.12	4.47
	63 255 255	12.34	2.08	0.27	4.16
	127 0 0	9.51	0.87	0.96	2.75
	127 0 63	8.30	3.05	1.15	3.28
	127 0 127	8.60	2.60	1.44	2.85
	127 0 191	8.97	3.58	1.47	2.66
	127 0 255	8.21	4.96	0.79	2.27
	127 63 0	11.04	1.92	0.59	3.59
	127 63 63	7.77	0.27	0.99	3.43
	127 63 127	7.98	1.92	1.34	3.19
	127 63 191	8.33	3.47	1.44	2.86
	127 63 255	6.59	4.61	1.06	2.34
	127 127 0	14.14	0.38	1.63	4.26
	127 127 63	8.13	0.43	2.04	3.73
	127 127 127	0.57	0.14	2.34	2.41
	127 127 191	0.96	0.27	2.44	2.47
	127 127 255	0.57	0.13	2.28	2.29
	127 191 0	19.60	0.32	1.44	4.38
	127 191 63	14.30	0.70	1.69	3.88
	127 191 127	6.86	2.60	1.88	3.42
	127 191 191	5.23	1.23	2.00	3.46
	127 191 255	0.31	4.94	1.95	3.70
	127 255 0	23.10	0.09	0.06	3.90
	127 255 63	18.15	1.68	0.01	3.37
	127 255 127	9.99	5.12	0.12	3.23
	127 255 191	7.57	4.28	0.20	3.25
	127 255 255	7.09	1.45	0.06	2.82
	191 0 0	17.79	2.94	1.28	4.14
	191 0 63	12.91	1.91	1.40	3.55
	191 0 127	11.79	1.29	1.56	3.23
	191 0 191	11.79	3.76	1.61	3.20
	191 0 255	10.35	6.30	1.11	3.00
	191 63 0	19.30	2.19	1.05	4.65
	191 63 63	12.13	0.03	1.33	3.59
	191 63 127	11.02	0.12	1.57	3.46
	191 63 191	10.86	3.31	1.69	3.31
	191 63 255	8.76	5.94	1.34	3.07
	191 127 0	18.06	1.07	1.90	4.94
	191 127 63	10.17	0.86	2.23	3.96
	191 127 127	4.17	0.15	2.47	3.11
	191 127 191	3.86	1.96	2.57	3.14
	191 127 255	1.50	3.43	2.44	2.96
	191 191 0	19.47	1.37	1.65	4.67
	191 191 63	13.05	0.43	1.90	3.88
	191 191 127	3.28	0.61	2.08	2.48
	191 191 191	0.22	0.10	2.19	2.20

Colorimetric Report

Page (4/5)



C Calc 2.5
 Copyright © 2020, Denis Freund
 All Rights Reserved
 lic. for PRAD ProAdviser

Date	Wednesday, February 1, 2023
Tester	Manuel Findeis
Display	Dell S2722QC
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

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	1.86	0.02	2.12	2.24
	191 255 0	20.94	2.80	0.14	3.94
	191 255 63	15.03	1.26	0.19	3.00
	191 255 127	5.06	1.89	0.32	1.59
	191 255 191	1.97	2.51	0.38	1.76
	191 255 255	2.32	0.77	0.24	1.36
	255 0 0	25.10	7.81	0.74	5.40
	255 0 63	15.37	0.72	0.73	3.12
	255 0 127	13.56	2.35	0.87	3.13
	255 0 191	14.24	0.80	0.92	2.87
	255 0 255	12.89	4.91	0.53	2.80
	255 63 0	25.06	6.82	0.71	5.45
	255 63 63	13.96	0.08	0.82	3.03
	255 63 127	12.00	3.10	1.03	3.27
	255 63 191	12.80	0.31	1.08	2.88
	255 63 255	11.01	4.57	0.78	2.72
	255 127 0	21.84	5.46	1.67	5.36
	255 127 63	11.94	2.68	1.89	3.65
	255 127 127	5.56	1.39	2.12	2.78
	255 127 191	5.78	0.33	2.20	2.74
	255 127 255	3.92	3.44	2.01	2.71
	255 191 0	21.96	2.04	1.58	4.95
	255 191 63	13.73	1.97	1.75	3.85
	255 191 127	3.24	0.06	1.89	2.18
	255 191 191	1.55	0.35	1.99	2.14
	255 191 255	0.07	2.00	1.86	2.24
	255 255 0	21.87	2.01	0.02	4.16
	255 255 63	14.71	1.02	0.00	3.03
	255 255 127	3.17	0.29	0.11	0.85
	255 255 191	1.02	0.48	0.14	0.55
	255 255 255 (1)	-	-	-	-
	Average (2)	10.31	2.45	1.09	3.27
	Maximum (2)	28.56	9.29	2.57	5.89

(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	99%

Colorimetric Report

Page (5/5)



CCalc 2.5
Copyright © 2020, Denis Freund
All Rights Reserved
lic. for PRAD ProAdviser

Date	Wednesday, February 1, 2023
Tester	Manuel Findeis
Display	Dell S2722QC
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

Property	Device adjustments
Backlight brightness	
Brightness	
Contrast	
RGB Gain	
Gradation	
Other	Standard-Modus, da kein sRGB-Modus vorhanden