

Colorimetric Report

Page (1/5)



CCalc 2.5
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Date	Wednesday, February 16, 2022
Tester	Damian Köb
Display	ASUS VG30VQL1A
Sensor	X-Rite i1 Pro
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)	6239 Kelvin
White Point XYZ (normalized)	97.56 100.00 109.28
DeltaE to D50/ D65	19.73/ 4.38
Assumed Target Whitepoint (2)	6200 Kelvin
DeltaE to Assumed Target Whitepoint	5.35
Brightness (3)	270.10 cd/m²
Black Point (3)	0.07 cd/m²
Contrast (x:1)	3859:1
Gradation (Average)	2.24

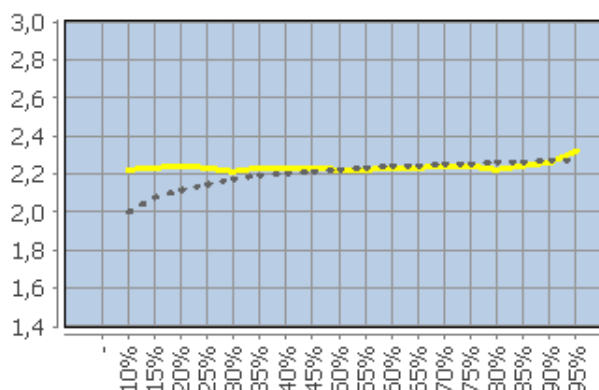
(2) Daylight (3) Measured separately

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6591	1.05	3.70	2.22
	15	6173	0.35	3.02	2.23
	20	6148	0.55	2.49	2.24
	25	6108	0.55	1.69	2.23
	30	6155	0.57	0.99	2.21
	35	6157	0.59	0.93	2.23
	40	6171	0.56	0.76	2.23
	45	6188	0.56	0.64	2.23
	50	6190	0.57	0.57	2.22
	55	6190	0.54	0.58	2.22
	60	6205	0.58	0.61	2.23
	65	6211	0.56	0.57	2.23
	70	6208	0.46	0.47	2.24
	75	6229	0.39	0.43	2.24
	80	6220	0.43	0.51	2.22
	85	6226	0.41	0.43	2.24
	90	6228	0.28	0.28	2.26
	95	6234	0.06	0.10	2.32
	100 (4)	6239	-	-	-
	Average (5)	-	0.47	0.89	2.24
	Maximum (5)	-	0.59	3.02	-
	Range (5)	-	0.59	-	-

(4) Visual adaptation to display whitepoint is assumed

(5) Only luminance > 1% considered

Corresponding Gamma



Colorimetric Report

Page (2/5)



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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
	0 0 0	0.28	0.00	0.61	0.67
	0 0 63	4.51	0.21	0.61	1.65
	0 0 127	4.22	3.52	1.79	2.57
	0 0 191	7.23	4.42	1.93	2.84
	0 0 255	7.69	4.39	1.71	2.50
	0 63 0	3.97	4.36	2.20	3.69
	0 63 63	3.93	1.86	2.07	3.32
	0 63 127	3.60	1.87	2.04	2.65
	0 63 191	7.11	3.76	2.14	3.15
	0 63 255	7.98	4.00	1.84	2.70
	0 127 0	14.41	4.55	0.68	4.12
	0 127 63	14.50	1.98	0.50	4.48
	0 127 127	8.57	2.80	0.82	4.21
	0 127 191	2.01	4.12	0.89	2.77
	0 127 255	2.60	1.22	0.95	1.27
	0 191 0	21.16	5.08	0.30	4.49
	0 191 63	19.52	4.80	0.22	4.62
	0 191 127	15.28	3.17	0.15	4.49
	0 191 191	11.14	2.29	0.34	4.22
	0 191 255	5.03	6.45	0.27	4.16
	0 255 0	26.71	4.37	0.30	4.47
	0 255 63	24.96	4.69	0.23	4.54
	0 255 127	20.12	5.22	0.29	4.57
	0 255 191	17.09	2.11	0.34	4.41
	0 255 255	13.37	3.56	0.36	4.60
	63 0 0	0.98	2.88	1.07	2.24
	63 0 63	1.82	2.88	1.08	2.15
	63 0 127	6.24	2.75	1.57	2.50
	63 0 191	8.42	4.11	1.67	2.75
	63 0 255	8.77	4.28	1.55	2.47
	63 63 0	0.86	0.61	1.71	1.79
	63 63 63	0.71	0.04	1.31	1.49
	63 63 127	5.13	1.77	1.46	2.57
	63 63 191	7.61	3.34	1.71	2.85
	63 63 255	8.22	3.77	1.51	2.48
	63 127 0	12.16	4.29	0.49	3.82
	63 127 63	11.09	2.84	0.24	4.06
	63 127 127	6.74	1.65	0.30	3.67
	63 127 191	1.98	3.03	0.46	2.08
	63 127 255	1.99	1.54	0.43	0.97
	63 191 0	19.37	5.02	0.34	4.32
	63 191 63	18.24	4.49	0.13	4.50
	63 191 127	14.05	3.16	0.18	4.43
	63 191 191	10.26	2.30	0.24	4.24
	63 191 255	4.08	6.21	0.28	4.00
	63 255 0	26.13	4.25	0.03	4.45
	63 255 63	23.08	4.95	0.05	4.37

Colorimetric Report

Page (3/5)



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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	18.36	5.74	0.21	4.49
	63 255 191	15.14	2.85	0.30	4.20
	63 255 255	12.46	3.15	0.38	4.43
	127 0 0	7.23	2.88	0.17	2.45
	127 0 63	8.07	3.95	0.00	3.33
	127 0 127	8.07	3.80	0.40	2.74
	127 0 191	8.90	5.19	0.83	2.81
	127 0 255	9.52	5.15	0.90	2.46
	127 63 0	7.45	4.11	0.92	3.39
	127 63 63	8.09	0.37	0.78	3.51
	127 63 127	7.47	3.01	0.89	3.20
	127 63 191	8.49	5.04	1.01	3.19
	127 63 255	8.37	5.13	1.17	2.68
	127 127 0	8.05	0.60	0.08	2.26
	127 127 63	5.82	0.43	0.27	2.26
	127 127 127	0.58	0.04	0.19	0.61
	127 127 191	2.42	1.05	0.17	1.15
	127 127 255	3.34	1.66	0.16	1.13
	127 191 0	14.64	2.20	0.03	3.24
	127 191 63	11.73	2.14	0.12	3.04
	127 191 127	7.45	2.65	0.14	3.04
	127 191 191	5.13	1.43	0.08	2.84
	127 191 255	1.28	3.43	0.07	2.24
	127 255 0	21.72	2.22	0.22	3.77
	127 255 63	19.22	2.78	0.16	3.67
	127 255 127	13.85	3.92	0.13	3.55
	127 255 191	11.17	2.03	0.21	3.47
	127 255 255	8.79	2.44	0.20	3.65
	191 0 0	13.23	1.14	0.06	2.81
	191 0 63	11.96	1.30	0.10	2.96
	191 0 127	10.99	2.44	0.44	2.86
	191 0 191	11.17	5.07	0.51	3.07
	191 0 255	10.64	5.92	0.80	2.83
	191 63 0	13.48	2.27	0.55	3.31
	191 63 63	11.52	1.72	0.25	3.30
	191 63 127	11.18	0.48	0.41	3.16
	191 63 191	11.60	4.32	0.43	3.28
	191 63 255	10.65	5.54	0.56	2.89
	191 127 0	10.96	2.03	0.06	2.93
	191 127 63	7.60	0.93	0.08	2.47
	191 127 127	5.36	0.62	0.14	2.47
	191 127 191	5.24	2.49	0.06	2.37
	191 127 255	5.19	3.90	0.04	2.22
	191 191 0	13.01	0.09	0.19	2.89
	191 191 63	9.24	0.00	0.41	2.43
	191 191 127	3.21	0.74	0.42	1.43
	191 191 191	0.42	0.07	0.13	0.44

Colorimetric Report

Page (4/5)



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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
	191 191 255	1.35	0.47	0.12	0.63
	191 255 0	18.48	0.17	0.06	3.34
	191 255 63	15.01	1.01	0.06	2.98
	191 255 127	8.40	2.13	0.03	2.33
	191 255 191	5.77	1.96	0.04	2.39
	191 255 255	4.18	1.54	0.00	2.46
	255 0 0	19.60	2.23	0.17	3.55
	255 0 63	14.96	0.10	0.40	2.96
	255 0 127	13.83	0.64	0.42	2.92
	255 0 191	14.28	2.60	0.57	2.97
	255 0 255	13.68	4.78	0.80	2.93
	255 63 0	18.74	0.41	0.41	3.50
	255 63 63	14.19	1.26	0.27	3.03
	255 63 127	12.81	1.41	0.47	3.04
	255 63 191	13.59	2.37	0.43	3.05
	255 63 255	12.81	4.60	0.76	2.95
	255 127 0	15.50	0.39	0.07	3.20
	255 127 63	10.37	0.99	0.05	2.51
	255 127 127	8.22	2.49	0.14	2.77
	255 127 191	8.70	0.62	0.00	2.47
	255 127 255	8.52	3.61	0.02	2.52
	255 191 0	14.86	0.01	0.08	3.12
	255 191 63	10.51	0.57	0.09	2.54
	255 191 127	4.06	1.08	0.07	1.51
	255 191 191	3.94	0.68	0.01	1.93
	255 191 255	3.39	1.85	0.00	1.67
	255 255 0	18.31	0.83	0.01	3.43
	255 255 63	14.16	0.04	0.06	2.89
	255 255 127	5.99	0.45	0.12	1.59
	255 255 191	2.42	0.77	0.13	1.12
	255 255 255 (1)	-	-	-	-
	Average (2)	9.96	0.00	0.51	2.98
	Maximum (2)	26.71	6.45	2.20	4.62

(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)



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Sensor	X-Rite i1 Pro
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Target	sRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	256.9
Contrast	
RGB Gain	
Gradation	
Other	