

Colorimetric Report

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CCalc 2.5
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Date	Wednesday, April 5, 2023
Tester	Simon Blohm
Display	ASUS VG289Q
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)	6098 Kelvin
White Point XYZ (normalized)	95.77 100.00 103.58
DeltaE to D50/ D65	15.78/ 3.54
Assumed Target Whitepoint (2)	6100 Kelvin
DeltaE to Assumed Target Whitepoint	1.27
Brightness	171.39 cd/m²
Black Point	0.20 cd/m²
Contrast (x:1)	857:1
Gradation (Average)	2.29

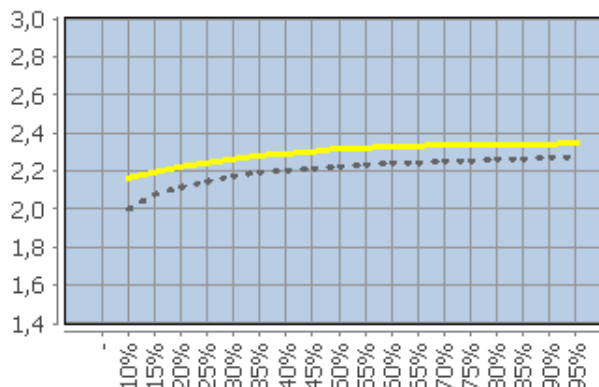
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6406	0.64	2.83	2.16
	15	6063	0.18	2.33	2.19
	20	6050	0.37	2.06	2.22
	25	6091	0.36	1.84	2.24
	30	6077	0.18	1.77	2.26
	35	6077	0.38	1.66	2.28
	40	6092	0.12	1.59	2.29
	45	6107	0.11	1.50	2.30
	50	6114	0.13	1.44	2.32
	55	6120	0.41	1.42	2.32
	60	6106	0.12	1.19	2.33
	65	6104	0.10	1.05	2.33
	70	6107	0.07	0.88	2.34
	75	6111	0.30	0.77	2.34
	80	6121	0.31	0.67	2.34
	85	6101	0.02	0.39	2.34
	90	6098	0.13	0.31	2.34
	95	6101	0.19	0.25	2.35
	100 (3)	6098	-	-	-
	Average (4)	-	0.21	1.24	2.29
	Maximum (4)	-	0.41	2.33	-
	Range (4)	-	0.8	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	1.29	0.00	1.08	1.68
	0 0 63	6.68	3.08	0.73	3.02
	0 0 127	6.38	3.77	0.37	2.24
	0 0 191	4.59	4.42	0.51	1.93
	0 0 255	5.66	5.09	0.10	1.88
	0 63 0	0.36	4.93	2.02	3.61
	0 63 63	3.13	0.75	1.88	2.61
	0 63 127	0.26	3.37	1.55	2.58
	0 63 191	0.44	3.44	0.87	1.80
	0 63 255	0.82	4.22	0.44	1.63
	0 127 0	3.92	7.07	2.06	4.09
	0 127 63	7.71	3.72	1.82	3.59
	0 127 127	7.48	1.65	1.71	3.79
	0 127 191	2.80	5.66	1.39	3.87
	0 127 255	1.10	5.70	0.96	2.88
	0 191 0	8.02	9.08	1.37	4.23
	0 191 63	10.79	6.70	1.19	3.93
	0 191 127	11.60	3.66	1.15	3.88
	0 191 191	10.84	2.00	0.98	4.17
	0 191 255	6.16	7.94	0.74	5.16
	0 255 0	11.99	11.30	0.50	4.48
	0 255 63	13.96	9.40	0.40	4.25
	0 255 127	15.28	6.99	0.39	4.26
	0 255 191	15.68	3.27	0.28	4.25
	0 255 255	14.02	2.34	0.55	4.54
	63 0 0	0.89	3.06	0.50	2.14
	63 0 63	1.15	2.30	0.56	1.57
	63 0 127	3.02	0.99	0.36	0.91
	63 0 191	2.64	2.81	0.07	1.20
	63 0 255	2.89	4.05	0.35	1.47
	63 63 0	3.04	0.62	2.14	2.48
	63 63 63	0.18	0.06	1.78	1.79
	63 63 127	0.40	1.06	1.58	1.72
	63 63 191	0.67	2.31	1.00	1.47
	63 63 255	0.20	3.51	0.48	1.40
	63 127 0	1.65	6.02	1.96	3.65
	63 127 63	5.35	3.56	1.77	3.29
	63 127 127	5.97	1.20	1.56	3.54
	63 127 191	2.05	5.05	1.27	3.49
	63 127 255	0.69	5.50	0.83	2.75
	63 191 0	6.94	8.95	1.33	4.21
	63 191 63	9.68	6.71	1.14	3.90
	63 191 127	10.68	3.97	1.04	3.93
	63 191 191	10.29	1.87	0.88	4.24
	63 191 255	5.43	8.01	0.61	5.21
	63 255 0	11.27	11.37	0.52	4.53
	63 255 63	13.28	9.56	0.42	4.32

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Target	sRGB
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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	14.38	7.32	0.37	4.34
	63 255 191	15.01	3.68	0.24	4.33
	63 255 255	14.14	2.70	0.12	4.82
	127 0 0	5.81	4.13	0.81	2.78
	127 0 63	5.98	3.10	0.67	2.62
	127 0 127	2.49	3.32	0.58	1.83
	127 0 191	0.83	1.01	0.17	0.47
	127 0 255	0.18	0.89	0.10	0.33
	127 63 0	4.70	5.89	1.75	4.04
	127 63 63	6.97	1.17	1.59	3.44
	127 63 127	4.21	2.62	1.41	2.53
	127 63 191	3.04	1.24	0.98	1.33
	127 63 255	1.81	0.45	0.56	0.66
	127 127 0	0.63	1.14	1.95	2.06
	127 127 63	1.07	0.92	1.70	1.85
	127 127 127	0.00	0.00	1.39	1.39
	127 127 191	1.15	1.06	1.23	1.48
	127 127 255	1.17	2.23	0.83	1.38
	127 191 0	2.66	5.38	1.39	2.83
	127 191 63	5.14	4.15	1.14	2.64
	127 191 127	5.49	3.27	1.12	2.97
	127 191 191	6.31	1.07	0.90	3.44
	127 191 255	2.64	5.65	0.68	3.79
	127 255 0	7.97	9.41	0.56	3.85
	127 255 63	9.70	7.84	0.46	3.63
	127 255 127	10.66	6.47	0.41	3.81
	127 255 191	11.53	3.85	0.34	4.01
	127 255 255	11.16	2.12	0.18	4.41
	191 0 0	13.89	0.99	0.34	2.96
	191 0 63	12.35	2.23	0.29	3.19
	191 0 127	8.60	4.61	0.22	2.99
	191 0 191	5.60	4.31	0.01	2.10
	191 0 255	3.58	3.03	0.20	1.24
	191 63 0	12.99	4.85	1.14	3.92
	191 63 63	12.44	1.79	0.97	3.68
	191 63 127	10.04	2.65	0.89	3.27
	191 63 191	7.28	3.98	0.60	2.52
	191 63 255	5.13	3.17	0.31	1.55
	191 127 0	5.20	7.69	1.61	4.37
	191 127 63	6.81	5.42	1.28	4.03
	191 127 127	6.90	1.32	1.17	3.47
	191 127 191	5.00	2.52	0.97	2.51
	191 127 255	3.75	1.81	0.66	1.39
	191 191 0	1.07	1.83	1.24	1.51
	191 191 63	2.56	2.03	1.07	1.64
	191 191 127	1.29	1.07	1.00	1.33
	191 191 191	0.29	0.08	0.71	0.77

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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	0.90	1.04	0.58	0.97
	191 255 0	3.75	4.45	0.58	1.98
	191 255 63	5.43	3.67	0.39	1.92
	191 255 127	5.32	3.62	0.38	2.26
	191 255 191	5.43	3.09	0.35	2.75
	191 255 255	6.14	1.20	0.19	3.30
	255 0 0	20.92	2.10	0.55	3.80
	255 0 63	17.70	1.29	0.14	3.52
	255 0 127	14.14	3.57	0.12	3.34
	255 0 191	11.02	5.38	0.29	3.06
	255 0 255	8.29	5.67	0.41	2.50
	255 63 0	20.79	2.21	0.44	3.97
	255 63 63	17.81	1.56	0.36	3.81
	255 63 127	15.05	1.57	0.36	3.54
	255 63 191	12.19	4.51	0.15	3.23
	255 63 255	9.37	5.39	0.02	2.65
	255 127 0	14.24	8.02	0.91	4.66
	255 127 63	13.83	5.96	0.76	4.44
	255 127 127	12.66	2.50	0.71	4.01
	255 127 191	10.85	2.60	0.52	3.41
	255 127 255	8.28	4.42	0.30	2.76
	255 191 0	5.72	8.17	0.85	3.91
	255 191 63	6.86	7.07	0.67	3.87
	255 191 127	5.98	5.76	0.57	4.05
	255 191 191	6.63	1.41	0.49	3.34
	255 191 255	4.79	2.57	0.37	2.37
	255 255 0	2.40	2.90	0.56	1.38
	255 255 63	4.00	2.43	0.26	1.36
	255 255 127	2.64	1.95	0.30	1.26
	255 255 191	1.25	0.89	0.24	0.82
	255 255 255 (1)	-	-	-	-
	Average (2)	6.66	3.76	0.79	2.92
	Maximum (2)	20.92	11.37	2.14	5.21

(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	98%