Colorimetric Report
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CCalc 2.7

Date	Wednesday, June 17, 2026
Tester	Simon Blohm
Display	BenQ RD280UG
Sensor	X-Rite i1 Display Pro (Corr.: Generic)
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

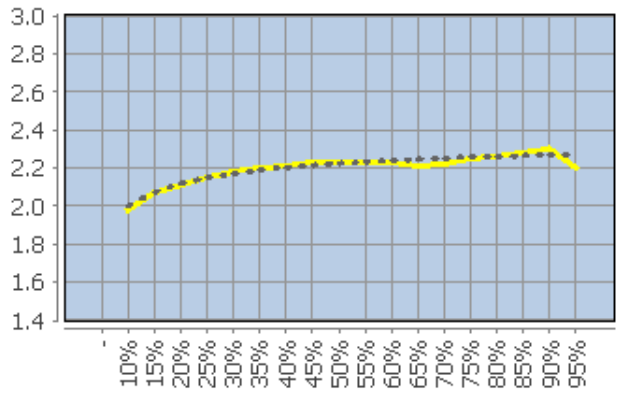
White Point (CCT)	6483 Kelvin
White Point XYZ (normalized)	95.07 100.00 108.63
DeltaE to D50/ D65	19.34/ 0.16
Assumed Target Whitepoint (2)	6500 Kelvin
DeltaE to Assumed Target Whitepoint	0.13
Brightness	142.79 cd/m²
Black Point	0.09 cd/m²
Contrast (x:1)	1587:1
Gradation (Average)	2.20

(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6214	0.67	0.82	1.98
	15	6253	0.79	0.79	2.07
	20	6532	0.23	0.25	2.11
	25	6402	0.35	0.35	2.15
	30	6410	0.35	0.36	2.18
	35	6438	0.32	0.43	2.20
	40	6461	0.17	0.17	2.21
	45	6388	0.85	0.88	2.23
	50	6474	0.13	0.16	2.23
	55	6457	0.15	0.16	2.23
	60	6416	0.39	0.40	2.23
	65	6438	0.87	0.97	2.21
	70	6459	0.73	0.79	2.22
	75	6464	0.32	0.32	2.25
	80	6481	0.19	0.19	2.26
	85	6497	0.12	0.14	2.28
	90	6482	0.03	0.11	2.30
	95	6479	0.06	0.15	2.20
	100 (3)	6483	-	-	-
	Average (4)	-	0.37	0.41	2.2
	Maximum (4)	-	0.87	0.97	-
	Range (4)	-	1.45	-	-

(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 E00
	0 0 0	0.03	0.00	0.58	0.33
	0 0 63	3.21	0.97	0.52	1.15
	0 0 127	4.79	1.58	0.52	1.30
	0 0 191	4.82	1.64	0.84	1.21
	0 0 255	4.02	1.91	1.55	1.57
	0 63 0	1.07	0.37	0.66	0.62
	0 63 63	0.34	0.59	0.26	0.52
	0 63 127	0.52	0.22	0.09	0.34
	0 63 191	1.07	0.25	0.21	0.27
	0 63 255	0.99	0.23	0.62	0.56
	0 127 0	2.13	0.26	0.98	1.07
	0 127 63	1.67	0.04	0.73	0.86
	0 127 127	1.03	0.91	0.74	1.07
	0 127 191	0.45	0.31	0.24	0.40
	0 127 255	0.78	0.14	0.70	0.68
	0 191 0	1.01	0.37	0.74	0.64
	0 191 63	1.03	0.08	0.61	0.53
	0 191 127	1.26	0.26	0.57	0.58
	0 191 191	0.71	0.42	0.33	0.45
	0 191 255	0.84	0.12	0.38	0.41
	0 255 0	1.02	0.02	0.24	0.22
	0 255 63	1.36	0.09	0.53	0.41
	0 255 127	1.51	0.33	0.30	0.38
	0 255 191	0.96	0.20	0.15	0.28
	0 255 255	0.94	0.29	0.45	0.44
	63 0 0	0.99	0.21	0.49	0.53
	63 0 63	0.85	0.46	0.30	0.44
	63 0 127	2.35	0.17	0.24	0.57
	63 0 191	3.37	0.80	0.29	0.70
	63 0 255	3.11	1.38	1.13	1.16
	63 63 0	0.65	0.44	0.35	0.48
	63 63 63	0.39	0.06	0.03	0.41
	63 63 127	0.84	0.17	0.06	0.27
	63 63 191	1.56	0.24	0.28	0.40
	63 63 255	0.97	0.06	0.64	0.60
	63 127 0	1.53	0.49	1.06	1.13
	63 127 63	1.17	0.07	0.82	0.89
	63 127 127	0.69	0.24	0.43	0.62
	63 127 191	0.12	0.86	0.20	0.61
	63 127 255	0.68	0.06	0.72	0.70
	63 191 0	1.40	0.08	0.76	0.66
	63 191 63	1.67	0.14	0.62	0.62
	63 191 127	0.74	0.17	0.43	0.41
	63 191 191	0.53	0.36	0.40	0.44
	63 191 255	1.02	0.06	0.53	0.52
	63 255 0	0.72	0.06	0.29	0.22
	63 255 63	0.67	0.17	0.24	0.20

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	63 255 127	1.59	0.00	0.39	0.41
	63 255 191	1.28	0.21	0.17	0.37
	63 255 255	1.05	0.28	0.43	0.46
	127 0 0	0.82	0.53	0.60	0.58
	127 0 63	0.57	0.10	0.38	0.34
	127 0 127	0.95	0.13	0.27	0.32
	127 0 191	0.84	0.11	0.17	0.22
	127 0 255	0.38	0.21	0.55	0.50
	127 63 0	0.37	0.80	0.30	0.61
	127 63 63	0.78	0.69	0.06	0.61
	127 63 127	0.82	0.26	0.03	0.31
	127 63 191	1.52	0.15	0.15	0.37
	127 63 255	0.91	0.03	0.69	0.68
	127 127 0	1.07	0.58	0.97	1.07
	127 127 63	0.92	0.63	0.74	0.93
	127 127 127	0.62	0.06	0.41	0.98
	127 127 191	0.20	0.51	0.21	0.44
	127 127 255	0.94	0.19	0.67	0.66
	127 191 0	0.88	0.39	0.66	0.57
	127 191 63	0.88	0.36	0.44	0.43
	127 191 127	0.34	0.09	0.26	0.24
	127 191 191	0.60	0.22	0.19	0.41
	127 191 255	0.29	0.51	0.56	0.60
	127 255 0	0.79	0.16	0.44	0.31
	127 255 63	1.13	0.05	0.29	0.28
	127 255 127	1.48	0.21	0.18	0.36
	127 255 191	0.90	0.55	0.05	0.38
	127 255 255	1.36	0.25	0.33	0.58
	191 0 0	0.26	1.81	0.53	1.06
	191 0 63	1.41	0.64	0.44	0.61
	191 0 127	0.94	0.05	0.21	0.30
	191 0 191	0.91	0.32	0.17	0.27
	191 0 255	0.00	0.04	0.24	0.24
	191 63 0	0.40	1.50	0.43	0.96
	191 63 63	1.23	0.82	0.22	0.63
	191 63 127	1.24	0.35	0.07	0.39
	191 63 191	1.39	0.26	0.05	0.33
	191 63 255	1.46	0.15	0.79	0.80
	191 127 0	0.20	0.85	0.46	0.69
	191 127 63	0.74	0.72	0.26	0.61
	191 127 127	0.17	0.33	0.20	0.31
	191 127 191	1.20	0.15	0.20	0.46
	191 127 255	2.26	0.02	0.91	0.92
	191 191 0	0.40	1.11	0.53	0.71
	191 191 63	0.79	0.44	0.50	0.49
	191 191 127	0.30	0.40	0.37	0.41
	191 191 191	0.11	0.06	0.02	0.13

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	191 191 255	1.05	0.40	0.66	0.59
	191 255 0	0.67	0.06	0.36	0.25
	191 255 63	0.64	0.26	0.31	0.25
	191 255 127	0.92	0.14	0.15	0.25
	191 255 191	0.50	0.18	0.05	0.21
	191 255 255	0.71	0.57	0.28	0.64
	255 0 0	0.47	2.14	0.23	1.04
	255 0 63	0.42	0.97	0.29	0.54
	255 0 127	0.68	0.16	0.05	0.16
	255 0 191	0.72	0.03	0.11	0.17
	255 0 255	0.88	0.29	0.01	0.17
	255 63 0	0.34	2.06	0.25	1.06
	255 63 63	0.51	1.39	0.19	0.73
	255 63 127	0.90	0.69	0.21	0.41
	255 63 191	1.85	0.03	0.08	0.40
	255 63 255	2.12	0.01	0.50	0.56
	255 127 0	0.10	0.78	0.24	0.48
	255 127 63	0.83	0.76	0.13	0.51
	255 127 127	1.10	0.14	0.15	0.35
	255 127 191	1.50	0.35	0.25	0.49
	255 127 255	2.45	0.38	1.02	0.95
	255 191 0	0.10	0.34	0.18	0.23
	255 191 63	0.51	0.66	0.15	0.44
	255 191 127	0.40	0.09	0.07	0.16
	255 191 191	0.70	0.55	0.14	0.56
	255 191 255	1.37	0.03	0.70	0.68
	255 255 0	0.66	1.30	0.65	0.74
	255 255 63	1.11	0.74	0.57	0.55
	255 255 127	1.84	0.87	0.41	0.74
	255 255 191	1.41	0.15	0.36	0.63
	255 255 255 (1)	-	-	-	-
	Average (2)	1.05	0.43	0.40	0.55
	Maximum (2)	4.82	2.14	1.55	1.57

(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%

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(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	39
Contrast	50
RGB Gain	91 89 100
Gradation	3
Other	Schärfe: 50 Sättigung: 5