

Colorimetric Report

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CCalc 2.5
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Date	Tuesday, June 1, 2021
Tester	Denis Freund
Display	MSI MD271QP
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

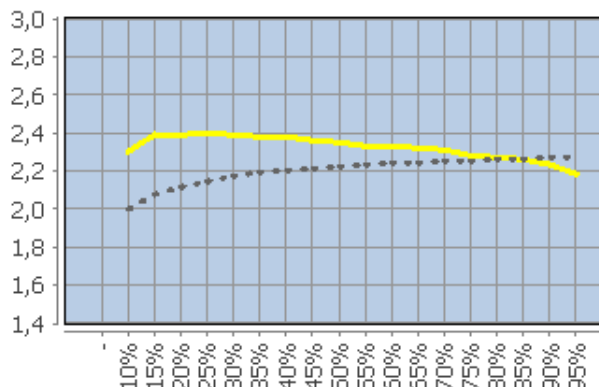
White Point (CCT)	7250 Kelvin
White Point XYZ (normalized)	98.73 100.00 125.62
DeltaE to D50/ D65	30.33/ 11.66
Assumed Target Whitepoint (2)	7300 Kelvin
DeltaE to Assumed Target Whitepoint	7.27
Brightness (3)	283.00 cd/m ²
Black Point (3)	0.25 cd/m ²
Contrast (x:1)	1132:1
Gradation (Average)	2.33

(2) Daylight (3) Measured separately

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7835	1.13	4.70	2.30
	15	7379	0.25	5.71	2.39
	20	7329	0.18	5.13	2.39
	25	7421	0.34	4.79	2.40
	30	7439	0.45	4.08	2.39
	35	7421	0.48	3.48	2.38
	40	7437	0.52	3.12	2.38
	45	7425	0.53	2.52	2.36
	50	7394	0.50	2.00	2.35
	55	7376	0.48	1.58	2.33
	60	7340	0.36	1.27	2.33
	65	7338	0.36	0.92	2.32
	70	7315	0.29	0.64	2.31
	75	7299	0.23	0.32	2.28
	80	7273	0.18	0.20	2.27
	85	7264	0.16	0.16	2.26
	90	7249	0.11	0.18	2.23
	95	7236	0.31	0.36	2.18
	100 (4)	7251	-	-	-
	Average (5)	-	0.34	2.14	2.33
	Maximum (5)	-	0.53	5.71	-
	Range (5)	-	0.73	-	-

(4) Visual adaptation to display whitepoint is assumed
(5) 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	0.82	0.00	0.69	1.07
	0 0 63	5.32	0.69	0.82	2.02
	0 0 127	11.68	7.69	2.94	5.23
	0 0 191	21.24	11.19	3.66	6.70
	0 0 255	28.78	14.59	4.72	7.91
	0 63 0	5.09	0.46	3.99	4.35
	0 63 63	3.80	0.80	4.34	4.85
	0 63 127	11.15	10.92	4.62	9.00
	0 63 191	21.55	13.64	4.81	9.17
	0 63 255	28.58	16.14	5.43	9.36
	0 127 0	7.91	7.28	1.54	4.27
	0 127 63	5.55	6.62	1.50	4.33
	0 127 127	3.33	1.21	1.85	2.48
	0 127 191	5.65	10.84	2.21	7.28
	0 127 255	14.38	13.38	2.86	7.71
	0 191 0	15.70	10.75	0.29	5.30
	0 191 63	13.05	9.96	0.39	5.22
	0 191 127	3.54	5.35	0.18	2.99
	0 191 191	3.26	1.20	0.12	1.39
	0 191 255	1.07	9.16	0.61	5.47
	0 255 0	21.05	13.16	1.30	5.89
	0 255 63	18.79	12.31	1.21	5.72
	0 255 127	9.21	7.48	1.05	3.81
	0 255 191	1.25	3.63	0.79	2.00
	0 255 255	3.46	1.23	0.32	1.31
	63 0 0	8.02	2.57	2.68	4.53
	63 0 63	2.01	1.27	3.66	3.81
	63 0 127	10.66	2.40	3.82	4.68
	63 0 191	20.72	7.57	4.28	6.35
	63 0 255	28.14	12.04	5.12	7.70
	63 63 0	2.65	1.88	4.53	4.81
	63 63 63	0.34	0.08	4.59	4.61
	63 63 127	11.52	4.65	4.90	6.98
	63 63 191	20.91	9.46	5.04	8.11
	63 63 255	27.69	13.31	5.61	8.80
	63 127 0	10.69	3.06	1.75	3.60
	63 127 63	8.57	3.26	1.70	3.84
	63 127 127	0.46	1.03	1.99	2.15
	63 127 191	7.01	7.72	2.34	5.94
	63 127 255	14.28	10.77	2.95	6.79
	63 191 0	17.50	7.99	0.20	4.78
	63 191 63	14.90	7.40	0.26	4.71
	63 191 127	5.21	3.80	0.11	2.58
	63 191 191	1.44	1.15	0.20	0.95
	63 191 255	2.12	7.57	0.67	4.67
	63 255 0	22.23	11.35	1.11	5.55
	63 255 63	19.75	10.51	1.02	5.34

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	10.01	5.99	0.87	3.42
	63 255 191	2.20	2.74	0.62	1.63
	63 255 255	2.40	1.26	0.16	1.08
	127 0 0	4.41	1.30	2.06	2.47
	127 0 63	3.07	3.01	2.43	3.12
	127 0 127	5.21	1.93	2.97	3.37
	127 0 191	15.37	1.65	3.47	4.55
	127 0 255	23.42	6.81	4.38	6.10
	127 63 0	1.40	0.46	3.68	3.72
	127 63 63	1.41	1.38	3.71	3.87
	127 63 127	8.48	1.49	4.06	5.02
	127 63 191	17.46	3.01	4.31	6.00
	127 63 255	24.15	8.00	4.92	7.09
	127 127 0	11.74	1.22	1.80	3.78
	127 127 63	9.39	1.48	1.77	4.12
	127 127 127	0.69	0.15	2.01	2.13
	127 127 191	8.24	2.92	2.27	4.28
	127 127 255	14.09	6.75	2.82	5.43
	127 191 0	19.49	4.00	0.03	4.48
	127 191 63	16.71	3.74	0.11	4.45
	127 191 127	6.78	1.78	0.07	2.58
	127 191 191	0.17	0.86	0.28	0.72
	127 191 255	3.78	5.51	0.72	3.85
	127 255 0	23.72	8.60	0.96	5.25
	127 255 63	21.11	8.06	0.89	5.09
	127 255 127	11.01	4.38	0.75	3.25
	127 255 191	3.08	2.09	0.52	1.56
	127 255 255	1.63	1.10	0.09	0.94
	191 0 0	1.08	6.15	1.26	3.00
	191 0 63	0.50	6.52	1.43	3.49
	191 0 127	1.23	1.77	1.83	2.04
	191 0 191	9.95	2.15	2.36	3.17
	191 0 255	17.78	1.84	3.22	4.32
	191 63 0	5.98	4.52	2.43	3.51
	191 63 63	3.17	4.23	2.54	3.50
	191 63 127	4.24	2.68	2.76	3.33
	191 63 191	12.55	1.82	3.15	4.28
	191 63 255	19.28	2.62	3.78	5.15
	191 127 0	12.48	5.35	1.50	4.38
	191 127 63	8.53	5.93	1.42	4.61
	191 127 127	0.07	0.40	1.64	1.67
	191 127 191	6.89	1.51	1.89	3.17
	191 127 255	12.77	2.33	2.38	3.97
	191 191 0	20.45	1.18	0.00	4.57
	191 191 63	17.43	1.51	0.09	4.58
	191 191 127	6.99	1.88	0.04	3.04
	191 191 191	0.45	0.14	0.22	0.52

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	4.97	2.37	0.62	2.58
	191 255 0	25.20	4.73	0.88	5.00
	191 255 63	22.45	4.37	0.82	4.85
	191 255 127	11.85	1.99	0.70	3.17
	191 255 191	3.81	1.12	0.48	1.60
	191 255 255	1.10	0.80	0.08	0.84
	255 0 0	5.28	10.27	0.90	4.20
	255 0 63	1.54	8.59	1.03	3.79
	255 0 127	0.51	0.53	1.30	1.32
	255 0 191	5.86	4.12	1.74	2.67
	255 0 255	13.06	2.05	2.52	3.37
	255 63 0	7.98	8.35	1.75	4.09
	255 63 63	3.91	6.67	1.86	3.59
	255 63 127	1.47	1.73	2.04	2.22
	255 63 191	7.85	4.59	2.41	3.55
	255 63 255	14.55	1.87	3.05	4.03
	255 127 0	12.76	9.47	1.23	5.06
	255 127 63	7.81	8.97	1.17	4.86
	255 127 127	0.20	1.61	1.32	1.60
	255 127 191	3.73	3.65	1.56	2.72
	255 127 255	9.94	1.74	2.03	3.10
	255 191 0	20.28	7.48	0.04	5.39
	255 191 63	16.36	7.87	0.12	5.48
	255 191 127	4.82	6.10	0.00	4.01
	255 191 191	1.27	0.27	0.20	0.66
	255 191 255	3.80	1.20	0.59	1.66
	255 255 0	26.19	1.26	0.73	4.97
	255 255 63	23.18	1.62	0.66	4.82
	255 255 127	11.96	2.52	0.54	3.43
	255 255 191	4.05	1.95	0.33	2.14
	255 255 255 (1)	-	-	-	-
	Average (2)	9.94	4.73	1.86	4.11
	Maximum (2)	28.78	16.14	5.61	9.36

(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	94%