

Colorimetric "Standard data": LCD Luminous System LECD_08 for CIE lightness $L^*_N=08$ of black for illuminant D65

System LECD_08	Color	r=ol*1	g=ol*2	b=ol*3	L*	a*	b*	C*ab	h*ab	Xa=XYZ1	Ya=XYZ2	Za=XYZ3	x	y	Y/88.59
LECD system	O (R)	1.0	0.0	0.0	51.09	74.59	67.08	100.32	42	36.6	19.35	1.56	0.6364	0.3364	0.2184
	Y	1.0	1.0	0.0	92.83	-21.41	105.07	107.23	102	68.22	82.58	7.66	0.4305	0.5211	0.9324
D65 reflection:	L (G)	0.0	1.0	0.0	84.16	-82.26	92.05	123.46	132	32.45	64.37	7.14	0.3121	0.6192	0.7268
	C	0.0	1.0	1.0	87.06	-45.16	-13.98	47.29	197	48.32	70.13	95.85	0.2255	0.3273	0.7918
$Y_N = 0.89$	V (B)	0.0	0.0	1.0	31.58	75.05	-105.72	129.66	305	16.71	6.9	90.09	0.147	0.0607	0.0779
	M	1.0	0.0	1.0	57.42	93.9	-61.52	112.26	327	52.54	25.36	90.6	0.3118	0.1505	0.2863
$L^*_N = 8.08$	N	0.0	0.0	0.0	8.08	0.0	0.0	0.01	0	0.85	0.89	0.97	0.3127	0.329	0.0101
	W	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18	88.57	96.43	0.3127	0.329	1.0
	N0	0.0	0.0	0.0	8.08	0.0	0.0	0.01	0	0.85	0.89	0.97	0.3127	0.329	0.0101
	W1	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18	88.57	96.43	0.3127	0.329	1.0

Colorimetric "Adapted data (a)": LCD Luminous System LECD_08a for CIE lightness $L^*_N=08$ of black for illuminant D65

System LECD_08a	Color	r=ol*1	g=ol*2	b=ol*3	L*a	a*a	b*a	C*ab,a	h*ab,a	Xa=XYZ1a	Ya=XYZ2a	Za=XYZ3a	xa	ya	Ya/88.59
LECD system	O (R)	1.0	0.0	0.0	51.09	74.59	67.08	100.32	42	36.6	19.35	1.56	0.6364	0.3364	0.2184
	Y	1.0	1.0	0.0	92.83	-21.41	105.07	107.23	102	68.22	82.58	7.66	0.4305	0.5211	0.9324
D65 reflection:	L (G)	0.0	1.0	0.0	84.16	-82.26	92.05	123.46	132	32.45	64.37	7.14	0.3121	0.6192	0.7268
	C	0.0	1.0	1.0	87.06	-45.16	-13.98	47.29	197	48.32	70.13	95.85	0.2255	0.3273	0.7918
$Y_N = 0.89$	V (B)	0.0	0.0	1.0	31.58	75.05	-105.72	129.66	305	16.71	6.9	90.09	0.147	0.0607	0.0779
	M	1.0	0.0	1.0	57.42	93.9	-61.52	112.26	327	52.54	25.36	90.6	0.3118	0.1505	0.2863
$L^*_N = 8.08$	N	0.0	0.0	0.0	8.08	0.0	0.0	0.01	0	0.85	0.89	0.97	0.3127	0.329	0.0101
	W	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18	88.57	96.43	0.3127	0.329	1.0
	N0	0.0	0.0	0.0	8.08	0.0	0.0	0.01	0	0.85	0.89	0.97	0.3127	0.329	0.0101
	W1	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18	88.57	96.43	0.3127	0.329	1.0

Colorimetric "Adapted data (a0)": LCD Luminous System LECD_00a0 for CIE lightness $L^*_N=00$ of black for illuminant D65

System LECD_00a0	Color	r=ol*1	g=ol*2	b=ol*3	L*a0	a*a0	b*a0	C*ab,a0	h*ab,a0	Xa0=XYZ1a0	Ya0=XYZ2a0	Za0=XYZ3a0	xa0	ya0	Ya0/88.59
LECD system	O (R)	1.0	0.0	0.0	50.26	76.54	78.17	109.4	46	36.11=k(36.6-0.85)	18.64=k(19.35-0.89)	0.59=k(1.56-0.97)	0.6525	0.3368	0.2105
	Y	1.0	1.0	0.0	92.8	-21.65	108.41	110.56	101	68.05=k(68.22-0.85)	82.52=k(82.58-0.89)	6.76=k(7.66-0.97)	0.4326	0.5245	0.9317
D65 reflection:	L (G)	0.0	1.0	0.0	84.03	-83.61	95.42	126.88	131	31.92=k(32.45-0.85)	64.13=k(64.37-0.89)	6.23=k(7.14-0.97)	0.3121	0.627	0.724
	C	0.0	1.0	1.0	86.97	-45.77	-14.14	47.92	197	47.95=k(48.32-0.85)	69.94=k(70.13-0.89)	95.84=k(95.85-0.97)	0.2243	0.3272	0.7897
$Y_N = 0.0$	V (B)	0.0	0.0	1.0	29.58	79.76	-109.12	135.17	306	16.03=k(16.71-0.85)	6.07=k(6.9-0.89)	90.03=k(90.09-0.97)	0.1429	0.0541	0.0685
	M	1.0	0.0	1.0	56.79	95.76	-62.56	114.39	327	52.22=k(52.54-0.85)	24.71=k(25.36-0.89)	90.54=k(90.6-0.97)	0.3118	0.1475	0.279
$L^*_N = 0.0$	N	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0	0.0=k(0.85-0.85)	0.0=k(0.89-0.89)	0.0=k(0.97-0.97)	0.0	0.0	0.0
	W	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18=k(84.18-0.85)	88.57=k(88.57-0.89)	96.43=k(96.43-0.97)	0.3127	0.329	1.0
$k = 88.57 / (88.57 - 0.89)$ $= 1.01$	N0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0	0.0=k(0.85-0.85)	0.0=k(0.89-0.89)	0.0=k(0.97-0.97)	0.0	0.0	0.0
	W1	1.0	1.0	1.0	95.4	0.0	0.0	0.01	0	84.18=k(84.18-0.85)	88.57=k(88.57-0.89)	96.43=k(96.43-0.97)	0.3127	0.329	1.0