

Colorimetric "Standard data": Television Luminous System TLS00 for CIE lightness $L^*=00$ of black and for CIE standard illuminant D65

System TLS00

sRGB

$L^*ABChAB$

D65 reflection:

$Y_N = 0.01$

$L^*_d = 0.09$

Normalization:

white $Y_W = 89$

Colour	r_d	g_d	b_d	L^*_d	CAB,d	hAB,d	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	$Y_{d88.59}$
R_d	1.0	0.0	0.0	50.5	51.96	19	49.01	17.27	36.54	18.84	1.71	0.64	0.33	0.2126
G_d	1.0	1.0	0.0	97.14	85.31	110	-29.44	80.06	76.99	92.78	13.85	0.4193	0.5053	1.0472
B_d	1.0	0.0	1.0	87.74	104.17	144	-84.73	60.58	35.76	71.52	11.91	0.3	0.6	0.8072
C_d	0.0	1.0	1.0	91.12	58.65	199	-55.31	-19.49	53.81	78.74	106.98	0.2246	0.3287	0.8887
B_g	0.0	0.0	1.0	32.3	85.31	290	29.43	-80.06	18.05	7.22	95.06	0.15	0.06	0.0815
M_d	1.0	0.0	1.0	60.32	104.15	324	84.72	-60.57	59.28	28.48	96.99	0.3209	0.1542	0.3214
N_d	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3322	0.3322	0.0001
W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	0.0	84.21	88.6	96.48	0.3127	0.329	1.0
N_l	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3322	0.3322	0.0001
W_l	1.13	1.13	1.13	100.0	0.0	0	0.0	0.0	95.05	100.0	108.9	0.3127	0.329	1.1287
Z_l	0.18	0.18	0.18	49.5	0.0	0	0.0	0.0	17.11	18.0	19.6	0.3127	0.329	0.2032

Colorimetric "Adapted data (a)": Television Luminous System TLS00a for CIE lightness $L^*=00a$ of black and for CIE standard illuminant D65

System TLS00a

sRGB

$L^*ABChAB$

D65 reflection:

$Y_N = 0.01$

$L^*_d = 0.09$

Normalization:

white $Y_W = 89$

Colour	r_d	g_d	b_d	L^*_d	CAB,d	hAB,d	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	$Y_{d88.59}$
R_d	1.0	0.0	0.0	50.5	51.96	19	49.01	17.27	36.54	18.84	1.71	0.64	0.33	0.2126
G_d	1.0	1.0	0.0	97.14	85.31	110	-29.44	80.06	76.99	92.78	13.85	0.4193	0.5053	1.0472
B_d	1.0	0.0	1.0	87.74	104.17	144	-84.73	60.58	35.76	71.52	11.91	0.3	0.6	0.8072
C_d	0.0	1.0	1.0	91.12	58.65	199	-55.31	-19.49	53.81	78.74	106.98	0.2246	0.3287	0.8887
B_g	0.0	0.0	1.0	32.3	85.31	290	29.43	-80.06	18.05	7.22	95.06	0.15	0.06	0.0815
M_d	1.0	0.0	1.0	60.32	104.15	324	84.72	-60.57	59.28	28.48	96.99	0.3209	0.1542	0.3214
N_d	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3322	0.3322	0.0001
W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	0.0	84.21	88.6	96.48	0.3127	0.329	1.0
N_l	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3322	0.3322	0.0001
W_l	1.13	1.13	1.13	100.0	0.0	0	0.0	0.0	95.05	100.0	108.9	0.3127	0.329	1.1287
Z_l	0.18	0.18	0.18	49.5	0.0	0	0.0	0.0	17.11	18.0	19.6	0.3127	0.329	0.2032

Colorimetric "Adapted data (b)": Television Luminous System TLS00b for CIE lightness $L^*=00b$ of black and for CIE standard illuminant D65

System TLS00b

sRGB

$L^*ABChAB$

D65 reflection:

$Y_N = 0.0$

$L^*_d = 0.0$

Normalization:

white $Y_W = 89$

Colour	r_d	g_d	b_d	L^*_d	CAB,d	hAB,d	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	$Y_{d88.59}$
R_d	1.0	0.0	0.0	50.5	51.96	19	49.01	17.27	36.54(=36.53+0.01)	18.84(=18.83+0.01)	1.71(=1.7+0.01)	0.64	0.33	0.2126
G_d	1.0	1.0	0.0	97.14	85.31	110	-29.44	80.06	76.99(=76.98+0.01)	92.78(=92.77+0.01)	13.85(=13.84+0.01)	0.4193	0.5053	1.0472
B_d	1.0	0.0	1.0	87.74	104.17	144	-84.73	60.58	35.76(=35.75+0.01)	71.52(=71.51+0.01)	11.91(=11.9+0.01)	0.3	0.6	0.8072
C_d	0.0	1.0	1.0	91.12	58.65	199	-55.31	-19.49	53.81(=53.8+0.01)	78.74(=78.73+0.01)	106.98(=106.97+0.01)	0.2246	0.3287	0.8887
B_g	0.0	0.0	1.0	32.3	85.31	290	29.43	-80.06	18.05(=18.04+0.01)	7.22(=7.21+0.01)	95.06(=95.05+0.01)	0.15	0.06	0.0815
M_d	1.0	0.0	1.0	60.32	104.15	324	84.72	-60.57	59.28(=59.27+0.01)	28.48(=28.47+0.01)	96.99(=96.98+0.01)	0.3209	0.1542	0.3214
N_d	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.3322	0.3322	0.0001
W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	0.0	84.21(=84.2+0.01)	88.6(=88.59+0.01)	96.48(=96.47+0.01)	0.3127	0.329	1.0
N_l	0.0	0.0	0.0	0.09	0.0	0	0.0	0.0	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.3322	0.3322	0.0001
W_l	1.13	1.13	1.13	100.0	0.0	0	0.0	0.0	95.05(=95.04+0.01)	100.0(=99.99+0.01)	108.9(=108.89+0.01)	0.3127	0.329	1.1287
Z_l	0.18	0.18	0.18	49.5	0.0	0	0.0	0.0	17.11(=17.1+0.01)	18.0(=17.99+0.01)	19.6(=19.59+0.01)	0.3127	0.329	0.2032