

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

System TLS00	Colour	r_d	g_d	b_d	L^*_d	$C^*_{ab,d}$	$h_{ab,d}$	a^*_d	b^*_d	x_d	y_d	z_d	x_d	y_d	$Y_{88.59}$
WCGA	R_d	1.0	0.0	0.0	47.29	76.0	33	63.85	41.22	29.01	16.24	4.26	0.5859	0.328	0.1833
	Y_d	1.0	1.0	0.0	88.3	95.88	97	-11.91	95.13	63.74	72.69	8.27	0.4405	0.5023	0.8204
$LabC^*h_{ab}$	C_d	0.0	1.0	0.0	51.89	74.31	158	-68.78	28.11	8.53	20.05	9.58	0.2235	0.5254	0.2263
D65 reflection:	C_d	0.0	1.0	1.0	58.29	52.57	236	-29.21	-43.7	18.74	26.27	69.02	0.1643	0.2304	0.2965
	B_d	0.0	0.0	1.0	25.29	52.83	296	23.51	-47.3	6.22	4.51	22.65	0.1863	0.1351	0.0509
$Y_N = 0.01$	M_d	1.0	0.0	1.0	48.2	73.27	353	72.78	-8.48	32.46	16.95	23.04	0.448	0.234	0.1913
$L^*_d = 0.09$	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3322	0.3322	0.0001
Normalization:	W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	84.21	88.6	96.48	0.01	0.3127	0.329	1.0
	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3322	0.3322	0.0001
grey $Y_Z=18$	W_d	1.13	1.13	1.13	100.0	0.0	0	0.0	95.05	100.0	108.9	0.01	0.3127	0.329	1.1287
	Z_d	0.18	0.18	0.18	49.5	0.01	0	0.01	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	Colour	r_d	g_d	b_d	L^*_d	$C^*_{ab,d}$	$h_{ab,d}$	a^*_d	b^*_d	x_d	y_d	z_d	x_d	y_d	$Y_{88.59}$
WCGA	R_d	1.0	0.0	0.0	47.29	76.0	33	63.85	41.22	29.01	16.24	4.26	0.5859	0.328	0.1833
	Y_d	1.0	1.0	0.0	88.3	95.88	97	-11.91	95.13	63.74	72.69	8.27	0.4405	0.5023	0.8204
$LabC^*h_{ab}$	C_d	0.0	1.0	0.0	51.89	74.31	158	-68.78	28.11	8.53	20.05	9.58	0.2235	0.5254	0.2263
D65 reflection:	C_d	0.0	1.0	1.0	58.29	52.57	236	-29.21	-43.7	18.74	26.27	69.02	0.1643	0.2304	0.2965
	B_d	0.0	0.0	1.0	25.29	52.83	296	23.51	-47.3	6.22	4.51	22.65	0.1863	0.1351	0.0509
$Y_N = 0.01$	M_d	1.0	0.0	1.0	48.2	73.27	353	72.78	-8.48	32.46	16.95	23.04	0.448	0.234	0.1913
$L^*_d = 0.09$	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3322	0.3322	0.0001
Normalization:	W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	84.21	88.6	96.48	0.01	0.3127	0.329	1.0
	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3322	0.3322	0.0001
grey $Y_Z=18$	W_d	1.13	1.13	1.13	100.0	0.0	0	0.0	95.05	100.0	108.9	0.01	0.3127	0.329	1.1287
	Z_d	0.18	0.18	0.18	49.5	0.01	0	0.01	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	Colour	r_d	g_d	b_d	L^*_d	$C^*_{ab,d}$	$h_{ab,d}$	a^*_d	b^*_d	x_d	y_d	z_d	x_d	y_d	$Y_{88.59}$
WCGA	R_d	1.0	0.0	0.0	47.29	76.0	33	63.85	41.22	29.01(=29.0+0.01)	16.24(=16.23+0.01)	4.26(=4.25+0.01)	29.01	16.24	0.1833	
	Y_d	1.0	1.0	0.0	88.3	95.88	97	-11.91	95.13	63.74(=63.73+0.01)	72.69(=72.68+0.01)	8.27(=8.26+0.01)	63.74	72.69	0.8204	
	G_d	0.0	1.0	0.0	51.89	74.31	158	-68.78	28.11	8.53(=8.52+0.01)	20.05(=20.04+0.01)	9.58(=9.57+0.01)	8.53	20.05	0.2263	
D65 reflection:	C_d	0.0	1.0	1.0	58.29	52.57	236	-29.21	-43.7	18.74(=18.73+0.01)	26.27(=26.26+0.01)	69.02(=69.01+0.01)	18.74	26.27	0.2965	
	B_d	0.0	0.0	1.0	25.29	52.83	296	23.51	-47.3	6.22(=6.21+0.01)	4.51(=4.5+0.01)	22.65(=22.64+0.01)	6.22	4.51	0.0509	
	M_d	1.0	0.0	1.0	48.2	73.27	353	72.78	-8.48	32.46(=32.45+0.01)	16.95(=16.94+0.01)	23.04(=23.03+0.01)	32.46	16.95	0.1913	
$L^*_d = 0.0$	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01	0.01	0.0001	
	W_d	1.0	1.0	1.0	95.41	0.01	0	0.0	84.21(=84.2+0.01)	88.6(=88.59+0.01)	96.48(=96.47+0.01)	84.21	88.6	1.0		
	N_d	0.0	0.0	0.0	0.09	0.02	0	0.02	0.01	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01	0.01	0.0001	
Normalization:	W_d	1.13	1.13	1.13	100.0	0.0	0	0.0	95.05(=95.04+0.01)	100.0(=99.99+0.01)	108.9(=108.89+0.01)	95.05	100.0	1.1287		
	Z_d	0.18	0.18	0.18	49.5	0.01	0	0.01	0.0	17.11(=17.1+0.01)	18.0(=17.99+0.01)	19.6(=19.59+0.01)	17.11	18.0	0.2032	