

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

System TLS00

TLS00 system

D65 reflection:

$Y_N = 0.0$

$L^*_d = 0.01$

Color	r_d	g_d	b_d	$L^*_{a,d}$	$a^*_{a,d}$	$b^*_{a,d}$	$C^*_{a,b,d}$	$h_{a,b,d}$	X_d	Y_d	Z_d	x_d	y_d	$Y_{d/88.59}$
R_d	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54	18.84	1.71	0.64	0.33	0.2127
Y_d	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21	82.19	12.27	0.4193	0.5053	0.9278
G_d	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68	63.36	10.56	0.3	0.6	0.7152
C_d	0.0	0.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67	69.76	94.74	0.2247	0.3288	0.7874
B_d	0.0	0.0	1.0	30.39	76.06	-103.59	128.52	306	15.99	6.4	84.21	0.15	0.06	0.0722
M_d	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52	25.23	85.89	0.3209	0.1542	0.2848
N_d	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W_d	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0
$N0_d$	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
$W1_d$	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0

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

System TLS00a

TLS00 system

D65 reflection:

$Y_N = 0.0$

$L^*_d = 0.01$

Color	$r_{a,d}$	$g_{a,d}$	$b_{a,d}$	$L^*_{a,d}$	$a^*_{a,d}$	$b^*_{a,d}$	$C^*_{a,b,d}$	$h_{a,b,d}$	$X_{a,d}$	$Y_{a,d}$	$Z_{a,d}$	$x_{a,d}$	$y_{a,d}$	$Y_{a,d/88.59}$
R_d	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54	18.84	1.71	0.64	0.33	0.2127
Y_d	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21	82.19	12.27	0.4193	0.5053	0.9278
G_d	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68	63.36	10.56	0.3	0.6	0.7152
C_d	0.0	0.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67	69.76	94.74	0.2247	0.3288	0.7874
B_d	0.0	0.0	1.0	30.39	76.06	-103.59	128.52	306	15.99	6.4	84.21	0.15	0.06	0.0722
M_d	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52	25.23	85.89	0.3209	0.1542	0.2848
N_d	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W_d	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0
$N0_d$	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
$W1_d$	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0

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

System TLS00b

TLS00 system

D65 reflection:

$Y_N = 0.0$

$L^*_d = 0.0$

Color	$r_{b,d}$	$g_{b,d}$	$b_{b,d}$	$L^*_{b,d}$	$a^*_{b,d}$	$b^*_{b,d}$	$C^*_{a,b,b,d}$	$h_{a,b,b,d}$	$X_{b,d}$	$Y_{b,d}$	$Z_{b,d}$	$x_{b,d}$	$y_{b,d}$	$Y_{b,d/88.59}$
R_d	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54(=36.53+0.0)	18.84(=18.84+0.0)	1.71(=1.71+0.0)	0.64	0.33	0.2127
Y_d	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21(=68.21+0.0)	82.19(=82.19+0.0)	12.27(=12.27+0.0)	0.4193	0.5053	0.9278
G_d	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68(=31.68+0.0)	63.36(=63.36+0.0)	10.56(=10.56+0.0)	0.3	0.6	0.7152
C_d	0.0	0.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67(=47.67+0.0)	69.76(=69.76+0.0)	94.74(=94.74+0.0)	0.2247	0.3288	0.7874
B_d	0.0	0.0	1.0	30.39	76.06	-103.59	128.52	306	15.99(=15.99+0.0)	6.4(=6.39+0.0)	84.21(=84.21+0.0)	0.15	0.06	0.0722
M_d	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52(=52.52+0.0)	25.23(=25.23+0.0)	85.89(=85.89+0.0)	0.3209	0.1542	0.2848
N_d	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
W_d	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0
$N0_d$	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
$W1_d$	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0