

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

System TLS00	Colour	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_{\beta 88.59}$
WCGa	$R_d$	1.0	0.0	0.0	67.27	121.36	61	58.45	106.35	55.29	36.99	0.67	0.5948	0.398	0.4175
	$Y_d$	1.0	1.0	0.0	88.28	136.26	91	-2.43	136.23	67.94	72.65	1.13	0.4794	0.5127	0.82
	$LabC^*h_{ab}$	0.0	1.0	0.0	80.67	132.35	149	-113.85	67.47	21.11	57.87	13.29	0.2288	0.6272	0.6532
D65 reflection:	$C_d$	0.0	1.0	1.0	77.04	71.91	206	-64.77	-31.21	28.91	51.6	95.79	0.164	0.2927	0.5824
	$B_d$	0.0	0.0	1.0	46.89	83.15	274	6.5	-82.88	16.27	15.94	95.34	0.1275	0.125	0.1799
$Y_N = 0.01$	$M_d$	1.0	0.0	1.0	62.27	109.76	334	98.77	-47.86	63.08	30.72	83.18	0.3564	0.1736	0.3467
$L^*_d = 0.08$	$W_d$	0.0	0.0	0.0	0.08	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3321	0.3321	0.0001
Normalization:	$W_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.6	96.49	0.3127	0.329	1.0
	$N_d$	0.0	0.0	0.0	0.08	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3321	0.3321	0.0001
white $Y_W=89$	$W_d$	1.13	1.13	1.13	100.0	0.37	91	0.0	0.37	95.06	100.01	108.3	0.3133	0.3297	1.1288
	$Z_d$	0.18	0.18	0.18	49.49	0.2	83	0.03	0.2	17.11	17.99	19.49	0.3134	0.3296	0.2031

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

System TLS00a	Colour	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_{\beta 88.59}$
WCGa	$R_d$	1.0	0.0	0.0	67.27	121.36	61	58.45	106.35	55.29	36.99	0.67	0.5948	0.398	0.4175
	$Y_d$	1.0	1.0	0.0	88.28	136.26	91	-2.43	136.23	67.94	72.65	1.13	0.4794	0.5127	0.82
	$LabC^*h_{ab}$	0.0	1.0	0.0	80.67	132.35	149	-113.85	67.47	21.11	57.87	13.29	0.2288	0.6272	0.6532
D65 reflection:	$C_d$	0.0	1.0	1.0	77.04	71.91	206	-64.77	-31.21	28.91	51.6	95.79	0.164	0.2927	0.5824
	$B_d$	0.0	0.0	1.0	46.89	83.15	274	6.5	-82.88	16.27	15.94	95.34	0.1275	0.125	0.1799
$Y_N = 0.01$	$M_d$	1.0	0.0	1.0	62.27	109.76	334	98.77	-47.86	63.08	30.72	83.18	0.3564	0.1736	0.3467
$L^*_d = 0.08$	$W_d$	0.0	0.0	0.0	0.08	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3321	0.3321	0.0001
Normalization:	$W_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.6	96.49	0.3127	0.329	1.0
	$N_d$	0.0	0.0	0.0	0.08	0.02	0	0.02	0.01	0.01	0.01	0.01	0.3321	0.3321	0.0001
white $Y_W=89$	$W_d$	1.13	1.13	1.13	100.0	0.37	91	0.0	0.37	95.06	100.01	108.3	0.3133	0.3297	1.1288
	$Z_d$	0.18	0.18	0.18	49.49	0.2	83	0.03	0.2	17.11	17.99	19.49	0.3134	0.3296	0.2031

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

System TLS00b	Colour	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_{\beta 88.59}$
WCGa	$R_d$	1.0	0.0	0.0	67.27	121.36	61	58.45	106.35	55.29(-55.28+0.01)	36.99(=36.98+0.01)	0.67(=-0.66+0.01)	0.52864	0.36905	0.4175
	$Y_d$	1.0	1.0	0.0	88.28	136.26	91	-2.43	136.23	67.94(=67.93+0.01)	72.65(=72.64+0.01)	1.13(=1.11+0.01)	0.679385	0.5127	0.82
	$LabC^*h_{ab}$	0.0	1.0	0.0	80.67	132.35	149	-113.85	67.47	21.11(=21.1+0.01)	57.87(=57.86+0.01)	13.29(=13.28+0.01)	0.21134	0.6532	0.6532
D65 reflection:	$C_d$	0.0	1.0	1.0	77.04	71.91	206	-64.77	-31.21	28.91(=28.9+0.01)	51.6(=51.59+0.01)	95.79(=95.78+0.01)	0.28102	0.516006	0.5824
	$B_d$	0.0	0.0	1.0	46.89	83.15	274	6.5	-82.88	16.27(=16.26+0.01)	15.94(=15.93+0.01)	95.34(=95.33+0.01)	0.16267	0.15391	0.1799
$Y_N = 0.0$	$M_d$	1.0	0.0	1.0	62.27	109.76	334	98.77	-47.86	63.08(=63.07+0.01)	30.72(=30.71+0.01)	83.18(=83.17+0.01)	0.63082	0.307176	0.3467
$L^*_d = 0.0$	$W_d$	0.0	0.0	0.0	0.08	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)	0.0089	0.0089	0.0001
Normalization:	$W_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21(=84.2+0.01)	88.6(=88.59+0.01)	96.49(=96.47+0.01)	0.842143	0.886	1.0
	$N_d$	0.0	0.0	0.0	0.08	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)	0.0089	0.0089	0.0001
white $Y_W=89$	$W_d$	1.13	1.13	1.13	100.0	0.37	91	0.0	0.37	95.06(=95.05+0.01)	100.01(=100.0+0.01)	108.3(=108.29+0.01)	0.950589	1.0012	1.1288
	$Z_d$	0.18	0.18	0.18	49.49	0.2	83	0.03	0.2	17.11(=17.1+0.01)	17.99(=17.98+0.01)	19.49(=19.48+0.01)	0.71087	0.79947	0.2031

see similar files: <http://farbe.li.tu-berlin.de/AEK4/AEK4.HTM>  
 technical information: <http://farbe.li.tu-berlin.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20200901-AEK4/AEK4LON1.TXT /PS  
 application for evaluation and measurement of display or print output  
 TUB material code=thadta