

**Farbmetrische "Norm-Daten": Fernseh-Lichtfarben-System TLS00 für Helligkeit  $L^*=00$  von Schwarz und für CIE-Normlichtart D65**

System TLS00	Farbe	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_d/88.59$
<b>sRGB</b>	$R_d$	1.0	0.0	0.0	50.5	100.43	40	76.92	64.57	36.54	18.84	1.71	0.64	0.33	0.2126
	$Y_d$	1.0	1.0	0.0	97.14	96.92	103	-21.57	94.49	76.99	92.78	13.85	0.4193	0.5053	1.0472
<b>LabC*h<sub>ab</sub></b>	$G_d$	0.0	1.0	0.0	87.74	119.8	136	-86.18	83.21	35.76	71.52	11.91	0.3	0.6	0.8072
<b>D65-Reflexion:</b>	$C_d$	0.0	1.0	1.0	91.12	50.12	196	-48.07	-14.12	53.81	78.74	106.98	0.2246	0.3287	0.8887
<b><math>Y_N = 0.01</math></b>	$B_d$	0.0	0.0	1.0	32.3	133.81	306	79.19	-107.85	18.05	7.22	95.06	0.15	0.06	0.0815
	$M_d$	1.0	0.0	1.0	60.32	115.54	328	98.23	-60.83	59.28	28.48	96.99	0.3209	0.1542	0.3214
<b><math>L^*_d = 0.09</math></b>	$NO_d$	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
<b>Normierung:</b>	$WO_d$	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
	$NI_d$	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
<b>Grau <math>Y_Z=18</math></b>	$WI_d$	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
	$ZI_d$	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

**Farbmetrische "Adaptierte Daten (a)": Fernseh-Lichtfarben-System TLS00a für Helligkeit  $L^*=00a$  von Schwarz und für CIE-Normlichtart D65**

System TLS00a	Farbe	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_d/88.59$
<b>sRGB</b>	$R_d$	1.0	0.0	0.0	50.5	100.43	40	76.92	64.57	36.54	18.84	1.71	0.64	0.33	0.2126
	$Y_d$	1.0	1.0	0.0	97.14	96.92	103	-21.57	94.49	76.99	92.78	13.85	0.4193	0.5053	1.0472
<b>LabC*h<sub>ab</sub></b>	$G_d$	0.0	1.0	0.0	87.74	119.8	136	-86.18	83.21	35.76	71.52	11.91	0.3	0.6	0.8072
<b>D65-Reflexion:</b>	$C_d$	0.0	1.0	1.0	91.12	50.12	196	-48.07	-14.12	53.81	78.74	106.98	0.2246	0.3287	0.8887
<b><math>Y_N = 0.01</math></b>	$B_d$	0.0	0.0	1.0	32.3	133.81	306	79.19	-107.85	18.05	7.22	95.06	0.15	0.06	0.0815
	$M_d$	1.0	0.0	1.0	60.32	115.54	328	98.23	-60.83	59.28	28.48	96.99	0.3209	0.1542	0.3214
<b><math>L^*_d = 0.09</math></b>	$NO_d$	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
<b>Normierung:</b>	$WO_d$	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
	$NI_d$	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
<b>Grau <math>Y_Z=18</math></b>	$WI_d$	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
	$ZI_d$	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

**Farbmetrische "Adaptierte Daten (b)": Fernseh-Lichtfarben-System TLS00b für Helligkeit  $L^*=00b$  von Schwarz und für CIE-Normlichtart D65**

System TLS00b	Farbe	$r_d$	$g_d$	$b_d$	$L^*_d$	$C^*_{ab,d}$	$h_{ab,d}$	$a^*_d$	$b^*_d$	$X_d$	$Y_d$	$Z_d$	$x_d$	$y_d$	$Y_d/88.59$
<b>sRGB</b>	$R_d$	1.0	0.0	0.0	50.5	100.43	40	76.92	64.57	36.54(=36.53+0.01)	18.84(=18.83+0.01)	1.71(=1.7+0.01)	0.64	0.33	0.2126
	$Y_d$	1.0	1.0	0.0	97.14	96.92	103	-21.57	94.49	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>LabC*h<sub>ab</sub></b>	$G_d$	0.0	1.0	0.0	87.74	119.8	136	-86.18	83.21	35.76(=35.75+0.01)	71.52(=71.51+0.01)	11.91(=11.9+0.01)	0.3	0.6	0.8072
<b>D65-Reflexion:</b>	$C_d$	0.0	1.0	1.0	91.12	50.12	196	-48.07	-14.12	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><math>Y_N = 0.0</math></b>	$B_d$	0.0	0.0	1.0	32.3	133.81	306	79.19	-107.85	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	115.54	328	98.23	-60.83	59.28(=59.27+0.01)	28.48(=28.47+0.01)	96.99(=96.98+0.01)	0.3209	0.1542	0.3214
<b><math>L^*_d = 0.0</math></b>	$NO_d$	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
<b>Normierung:</b>	$WO_d$	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
	$NI_d$	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
<b>Grau <math>Y_Z=18</math></b>	$WI_d$	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
	$ZI_d$	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)	0.3127	0.329	0.2032