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

System TLS00

D65-Reflexion:
Y_N = 0.0
L^*_N = 0.01

Farbe i	r^*_d	g^*_d	b^*_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$	X_d	Y_d	Z_d	x_d	y_d	Y_d/88.59
$01,0_d$	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
$02,1_d$	0.067	0.067	0.067	6.36	0.0	0.0	0.01	0	0.67	0.7	0.77	0.3127	0.329	0.0079
$03,2_d$	0.133	0.133	0.133	12.72	0.0	0.0	0.01	0	1.44	1.52	1.65	0.3127	0.329	0.0171
$04,3_d$	0.2	0.2	0.2	19.08	0.0	0.0	0.01	0	2.63	2.77	3.01	0.3127	0.329	0.0312
$05,4_d$	0.267	0.267	0.267	25.44	0.0	0.0	0.01	0	4.33	4.56	4.96	0.3127	0.329	0.0515
$06,5_d$	0.333	0.333	0.333	31.8	0.0	0.0	0.01	0	6.65	7.0	7.62	0.3127	0.329	0.079
$07,6_d$	0.4	0.4	0.4	38.16	0.0	0.0	0.01	0	9.67	10.18	11.08	0.3127	0.329	0.1149
$08,7_d$	0.467	0.467	0.467	44.52	0.0	0.0	0.01	0	13.5	14.2	15.46	0.3127	0.329	0.1603
$09,8_d$	0.533	0.533	0.533	50.89	0.0	0.0	0.01	0	18.22	19.17	20.88	0.3127	0.329	0.2164
$10,9_d$	0.6	0.6	0.6	57.25	0.0	0.0	0.01	0	23.93	25.18	27.42	0.3127	0.329	0.2842
$11,A_d$	0.667	0.667	0.667	63.61	0.0	0.0	0.01	0	30.72	32.32	35.19	0.3127	0.329	0.3649
$12,B_d$	0.733	0.733	0.733	69.97	0.0	0.0	0.01	0	38.69	40.71	44.32	0.3127	0.329	0.4595
$13,C_d$	0.8	0.8	0.8	76.33	0.0	0.0	0.01	0	47.92	50.43	54.9	0.3127	0.329	0.5692
$14,D_d$	0.867	0.867	0.867	82.69	0.0	0.0	0.01	0	58.53	61.58	67.05	0.3127	0.329	0.6951
$15,E_d$	0.933	0.933	0.933	89.05	0.0	0.0	0.01	0	70.59	74.27	80.87	0.3127	0.329	0.8383
$16,F_d$	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
$17,N_d$	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
$18,W_d$	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

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

System TLS00a

D65-Reflexion:
Y_N = 0.0
L^*_N = 0.01

Farbe i	r^*_d	g^*_d	b^*_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$	$X_{a,d}$	$Y_{a,d}$	$Z_{a,d}$	$x_{a,d}$	$y_{a,d}$	$Y_{a,d}$/88.59
$01,0_d$	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
$02,1_d$	0.067	0.067	0.067	6.36	0.0	0.0	0.01	0	0.67	0.7	0.77	0.3127	0.329	0.0079
$03,2_d$	0.133	0.133	0.133	12.72	0.0	0.0	0.01	0	1.44	1.52	1.65	0.3127	0.329	0.0171
$04,3_d$	0.2	0.2	0.2	19.08	0.0	0.0	0.01	0	2.63	2.77	3.01	0.3127	0.329	0.0312
$05,4_d$	0.267	0.267	0.267	25.44	0.0	0.0	0.01	0	4.33	4.56	4.96	0.3127	0.329	0.0515
$06,5_d$	0.333	0.333	0.333	31.8	0.0	0.0	0.01	0	6.65	7.0	7.62	0.3127	0.329	0.079
$07,6_d$	0.4	0.4	0.4	38.16	0.0	0.0	0.01	0	9.67	10.18	11.08	0.3127	0.329	0.1149
$08,7_d$	0.467	0.467	0.467	44.52	0.0	0.0	0.01	0	13.5	14.2	15.46	0.3127	0.329	0.1603
$09,8_d$	0.533	0.533	0.533	50.89	0.0	0.0	0.01	0	18.22	19.17	20.88	0.3127	0.329	0.2164
$10,9_d$	0.6	0.6	0.6	57.25	0.0	0.0	0.01	0	23.93	25.18	27.42	0.3127	0.329	0.2842
$11,A_d$	0.667	0.667	0.667	63.61	0.0	0.0	0.01	0	30.72	32.32	35.19	0.3127	0.329	0.3649
$12,B_d$	0.733	0.733	0.733	69.97	0.0	0.0	0.01	0	38.69	40.71	44.32	0.3127	0.329	0.4595
$13,C_d$	0.8	0.8	0.8	76.33	0.0	0.0	0.01	0	47.92	50.43	54.9	0.3127	0.329	0.5692
$14,D_d$	0.867	0.867	0.867	82.69	0.0	0.0	0.01	0	58.53	61.58	67.05	0.3127	0.329	0.6951
$15,E_d$	0.933	0.933	0.933	89.05	0.0	0.0	0.01	0	70.59	74.27	80.87	0.3127	0.329	0.8383
$16,F_d$	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
$17,N_d$	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
$18,W_d$	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

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

System TLS00b

D65-Reflexion:
Y_N = 0.0
L^*_N = 0.0

Farbe i	r^*_d	g^*_d	b^*_d	L^*_d	a^*_d	b^*_d	$C^*_{ab,d}$	$h_{ab,d}$	$X_{b,d}$	$Y_{b,d}$	$Z_{b,d}$	$x_{b,d}$	$y_{b,d}$	$Y_{b,d}$/88.59
$01,0_d$	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
$02,1_d$	0.067	0.067	0.067	6.36	0.0	0.0	0.01	0	0.67(=0.67+0.0)	0.7(=0.7+0.0)	0.77(=0.77+0.0)	0.3127	0.329	0.0079
$03,2_d$	0.133	0.133	0.133	12.72	0.0	0.0	0.01	0	1.44(=1.44+0.0)	1.52(=1.52+0.0)	1.65(=1.65+0.0)	0.3127	0.329	0.0171
$04,3_d$	0.2	0.2	0.2	19.08	0.0	0.0	0.01	0	2.63(=2.63+0.0)	2.77(=2.76+0.0)	3.01(=3.01+0.0)	0.3127	0.329	0.0312
$05,4_d$	0.267	0.267	0.267	25.44	0.0	0.0	0.01	0	4.33(=4.33+0.0)	4.56(=4.56+0.0)	4.96(=4.96+0.0)	0.3127	0.329	0.0515
$06,5_d$	0.333	0.333	0.333	31.8	0.0	0.0	0.01	0	6.65(=6.65+0.0)	7.0(=7.0+0.0)	7.62(=7.62+0.0)	0.3127	0.329	0.079
$07,6_d$	0.4	0.4	0.4	38.16	0.0	0.0	0.01	0	9.67(=9.67+0.0)	10.18(=10.18+0.0)	11.08(=11.08+0.0)	0.3127	0.329	0.1149
$08,7_d$	0.467	0.467	0.467	44.52	0.0	0.0	0.01	0	13.5(=13.5+0.0)	14.2(=14.2+0.0)	15.46(=15.46+0.0)	0.3127	0.329	0.1603
$09,8_d$	0.533	0.533	0.533	50.89	0.0	0.0	0.01	0	18.22(=18.22+0.0)	19.17(=19.17+0.0)	20.88(=20.88+0.0)	0.3127	0.329	0.2164
$10,9_d$	0.6	0.6	0.6	57.25	0.0	0.0	0.01	0	23.93(=23.93+0.0)	25.18(=25.18+0.0)	27.42(=27.41+0.0)	0.3127	0.329	0.2842
$11,A_d$	0.667	0.667	0.667	63.61	0.0	0.0	0.01	0	30.72(=30.72+0.0)	32.32(=32.32+0.0)	35.19(=35.19+0.0)	0.3127	0.329	0.3649
$12,B_d$	0.733	0.733	0.733	69.97	0.0	0.0	0.01	0	38.69(=38.69+0.0)	40.71(=40.71+0.0)	44.32(=44.32+0.0)	0.3127	0.329	0.4595
$13,C_d$	0.8	0.8	0.8	76.33	0.0	0.0	0.01	0	47.92(=47.92+0.0)	50.43(=50.42+0.0)	54.9(=54.9+0.0)	0.3127	0.329	0.5692
$14,D_d$	0.867	0.867	0.867	82.69	0.0	0.0	0.01	0	58.53(=58.53+0.0)	61.58(=61.58+0.0)	67.05(=67.05+0.0)	0.3127	0.329	0.6951
$15,E_d$	0.933	0.933	0.933	89.05	0.0	0.0	0.01	0	70.59(=70.59+0.0)	74.27(=74.27+0.0)	80.87(=80.86+0.0)	0.3127	0.329	0.8383
$16,F_d$	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
$17,N_d$	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
$18,W_d$	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

CGI30−7N00

Prüfvorlage CGI3; 16 Graustufen und NW_d für TLS00, TLS00a & TLS00b
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: rgb
Ausgabe: $-{>}rgb_{dd}$