

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

System TLS00	Farbe i	r [*] _d	g [*] _d	b [*] _d	L [*] _{red}	ΔL [*] _{red}	L [*] _{id}	ΔL [*] _{id}	w _d	X _d	Y _d	Z _d	x _d	y _d	Y _d /88.59
D65-Reflexion: Y _N = 0.0 L [*] _N = 0.01	01.0 _d	0.0	0.0	0.0	0.01	6.35	0.01	6.36	0.0	0.0	0.0	0.0	0.3127	0.329	0.0
	02.1 _d	0.067	0.067	0.067	6.36	6.36	6.37	6.36	0.067	0.67	0.77	0.77	0.3127	0.329	0.0079
	03.2 _d	0.133	0.133	0.133	12.72	6.36	12.73	6.36	0.133	1.44	1.52	1.65	0.3127	0.329	0.0171
	04.3 _d	0.2	0.2	0.2	19.08	6.36	19.09	6.36	0.2	2.63	2.77	3.01	0.3127	0.329	0.0312
	05.4 _d	0.267	0.267	0.267	25.44	6.36	25.45	6.36	0.267	4.33	4.56	4.96	0.3127	0.329	0.0515
	06.5 _d	0.333	0.333	0.333	31.8	6.36	31.8	6.36	0.333	6.65	7.0	7.62	0.3127	0.329	0.079
	07.6 _d	0.4	0.4	0.4	38.16	6.36	38.17	6.36	0.4	9.67	10.18	11.08	0.3127	0.329	0.1149
	08.7 _d	0.467	0.467	0.467	44.52	6.36	44.53	6.36	0.467	13.5	14.2	15.46	0.3127	0.329	0.1603
	09.8 _d	0.533	0.533	0.533	50.89	6.37	50.89	6.36	0.533	18.22	20.18	20.88	0.3127	0.329	0.2164
	10.9 _d	0.6	0.6	0.6	57.25	6.36	57.25	6.36	0.6	23.93	25.18	27.42	0.3127	0.329	0.2842
	11.A _d	0.667	0.667	0.667	63.61	6.36	63.61	6.36	0.667	30.72	32.32	35.19	0.3127	0.329	0.3649
	12.B _d	0.733	0.733	0.733	69.97	6.36	69.97	6.36	0.733	38.69	40.72	44.32	0.3127	0.329	0.4595
	13.C _d	0.8	0.8	0.8	76.33	6.36	76.33	6.36	0.8	47.92	50.43	54.9	0.3127	0.329	0.5692
	14.D _d	0.867	0.867	0.867	82.69	6.36	82.69	6.36	0.867	58.53	61.58	67.05	0.3127	0.329	0.6951
	15.E _d	0.933	0.933	0.933	89.05	6.36	89.05	6.36	0.933	70.59	74.27	80.87	0.3127	0.329	0.8383
	16.F _d	1.0	1.0	1.0	95.41	6.36	95.41	6.36	1.0	84.2	88.59	96.46	0.3127	0.329	1.0
	17.N _d	0.0	0.0	0.0	0.01	95.4	95.4	95.4	95.4	0.0	0.0	0.0	0.0	0.3127	0.329
18.W _d	1.0	1.0	1.0	95.41	95.4	95.41	95.4	95.4	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	Farbe i	r* _{id}	g* _{id}	b* _{id}	L* _{red,i}	ΔL* _{red,i}	L* _{id,i}	ΔL* _{id,i}	w _d	X _{ad,i}	Y _{ad,i}	Z _{ad,i}	x _{ad,i}	y _{ad,i}	Y _{ad,i} 88.59
	01.0 _d	0.0	0.0	0.0	0.01		0.0	0.0	0.0	0.0	0.0	0.0	0.3127	0.329	0.0
D65-Reflexion:	02.1 _d	0.067	0.067	0.067	6.36	6.35	6.37	6.36	0.067	0.67	0.7	0.77	0.3127	0.329	0.0079
Y _N = 0.0	03.2 _d	0.133	0.133	0.133	12.72	6.36	12.73	6.36	0.133	1.44	1.52	1.65	0.3127	0.329	0.0171
L*N = 0.01	04.3 _d	0.2	0.2	0.2	19.08	6.36	19.09	6.36	0.2	2.63	2.77	3.01	0.3127	0.329	0.0312
	05.4 _d	0.267	0.267	0.267	25.44	6.36	25.45	6.36	0.267	4.33	4.56	4.96	0.3127	0.329	0.0515
	06.5 _d	0.333	0.333	0.333	31.8	6.36	31.81	6.36	0.333	6.65	7.0	7.62	0.3127	0.329	0.079
	07.6 _d	0.4	0.4	0.4	38.16	6.36	38.17	6.36	0.4	9.67	10.18	11.08	0.3127	0.329	0.1149
	08.7 _d	0.467	0.467	0.467	44.52	6.36	44.53	6.36	0.467	13.5	14.2	15.46	0.3127	0.329	0.1603
	09.8 _d	0.533	0.533	0.533	50.89	6.37	50.89	6.36	0.533	18.22	19.17	20.88	0.3127	0.329	0.2164
	10.9 _d	0.6	0.6	0.6	57.25	6.36	57.25	6.36	0.6	23.93	25.18	27.42	0.3127	0.329	0.2842
	11.A _d	0.667	0.667	0.667	63.61	6.36	63.61	6.36	0.667	30.72	32.32	35.19	0.3127	0.329	0.3649
	12.B _d	0.733	0.733	0.733	69.97	6.36	69.97	6.36	0.733	38.69	40.71	44.32	0.3127	0.329	0.4595
	13.C _d	0.8	0.8	0.8	76.33	6.36	76.33	6.36	0.8	47.92	50.43	54.9	0.3127	0.329	0.5692
	14.D _d	0.867	0.867	0.867	82.69	6.36	82.69	6.36	0.867	58.53	61.58	67.05	0.3127	0.329	0.6951
	15.E _d	0.933	0.933	0.933	89.05	6.36	89.05	6.36	0.933	70.59	74.27	80.87	0.3127	0.329	0.8383
	16.F _d	1.0	1.0	1.0	95.41	6.36	95.41	6.36	1.0	84.2	88.59	96.46	0.3127	0.329	1.0
	17.N _d	0.0	0.0	0.0	0.01		0.01		0.0	0.0	0.0	0.0	0.3127	0.329	0.0
	18.W _d	1.0	1.0	1.0	95.41	95.4	95.41	95.4	84.2	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	Farbe i	r _{id} [*]	g _{id} [*]	b _{id} [*]	L _{red} [*]	ΔL _{red} [*]	L _{id} [*]	ΔL _{id} [*]	w _d	X _{bd}	Y _{bd}	Z _{bd}	x _{bd}	y _{bd}	Y _{bd,88.59}
D65-Reflexion: Y _N = 0.0 L _N = 0.0	01.0 _d	0.0	0.0	0.0	0.01		0.01		0.0	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	6.35	6.37	6.36	0.067	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	6.36	12.73	6.36	0.133	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	6.36	19.09	6.36	0.2	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	6.36	25.45	6.36	0.267	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	6.36	31.81	6.36	0.333	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	6.36	38.17	6.36	0.4	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	6.36	44.53	6.36	0.467	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	6.36	50.89	6.36	0.533	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	6.36	57.25	6.36	0.6	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	6.36	63.61	6.36	0.667	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	6.36	69.97	6.36	0.733	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	6.36	76.33	6.36	0.8	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	6.36	82.69	6.36	0.867	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	6.36	89.05	6.36	0.933	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	6.36	95.41	6.36	1.0	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		0.01			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	95.4	95.41	95.4		84.2(-84.2+0.0)	88.59(-88.59+0.0)	96.46(-96.46+0.0)	0.3127	0.329	1.0

CGI70-7N00

Prüfvorlage CGI7; 16 Graustufen und NW_d für TLS00, TLS00a & TLS00b
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: *rgb*
Ausgabe: $\rightarrow$ *rgb_{bd}*