

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

System TLS00b

| Farbe i | $r_{a,d}^*$ | $g_{a,d}^*$ | $b_{a,d}^*$ | $L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{a,b,d}^*$ | $h_{a,b,d}$ | $X_{a,b,d}$       | $Y_{a,b,d}$       | $Z_{a,b,d}$       | $x_{a,b,d}$ | $y_{a,b,d}$ | $y_{a,b,d}/88.59$ |
|---------|-------------|-------------|-------------|---------|---------|---------|---------------|-------------|-------------------|-------------------|-------------------|-------------|-------------|-------------------|
| $R_d$   | 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            |
| $G_d$   | 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            |
| $B_d$   | 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(=10.55+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         | 0.0         | 1.0     | 30.39   | 76.06   | -103.59       | 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            |
| $R_d$   | 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            |
| $N_d$   | 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               |

**Berechnete farbmetrische Daten (b): Fernseh-Lichtfarben-Systeme TLS18b für Helligkeit  $L^*=18$  von Schwarz und für Lichtart D65**

D65-Reflexion:

$Y_N = 0.0$

$L^*_N = 0.0$

| Farbe i | $r_{a,d}^*$ | $g_{a,d}^*$ | $b_{a,d}^*$ | $L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{a,b,d}^*$ | $h_{a,b,d}$ | $X_{a,b,d}$       | $Y_{a,b,d}$        | $Z_{a,b,d}$        | $x_{a,b,d}$ | $y_{a,b,d}$ | $y_{a,b,d}/88.59$ |
|---------|-------------|-------------|-------------|---------|---------|---------|---------------|-------------|-------------------|--------------------|--------------------|-------------|-------------|-------------------|
| $R_d$   | 1.0         | 0.0         | 0.0         | 52.76   | 71.63   | 49.88   | 87.29         | 35          | 37.89(=35.5+2.4)  | 20.82(=18.3+2.52)  | 4.41(=1.66+2.74)   | 0.6003      | 0.3299      | 0.2351            |
| $G_d$   | 1.0         | 1.0         | 0.0         | 92.74   | -20.04  | 84.97   | 87.31         | 103         | 68.66(=66.27+2.4) | 82.38(=79.86+2.52) | 14.66(=11.92+2.74) | 0.4144      | 0.4971      | 0.9298            |
| $B_d$   | 0.0         | 1.0         | 0.0         | 84.0    | -79.0   | 73.94   | 108.21        | 137         | 33.17(=30.78+2.4) | 64.08(=61.56+2.52) | 13.0(=10.25+2.74)  | 0.3009      | 0.5812      | 0.7233            |
| $C_d$   | 0.0         | 0.0         | 1.0         | 87.14   | -44.43  | -13.13  | 46.34         | 196         | 48.71(=46.32+2.4) | 70.3(=67.78+2.52)  | 94.79(=92.05+2.74) | 0.2278      | 0.3288      | 0.7935            |
| $M_d$   | 0.0         | 0.0         | 1.0         | 35.47   | 64.92   | -95.09  | 115.14        | 304         | 17.93(=15.53+2.4) | 8.73(=6.21+2.52)   | 84.56(=81.81+2.74) | 0.1612      | 0.0785      | 0.0986            |
| $J_d$   | 1.0         | 0.0         | 1.0         | 59.01   | 89.33   | -55.69  | 105.27        | 328         | 53.42(=51.02+2.4) | 27.03(=24.51+2.52) | 86.19(=83.45+2.74) | 0.3205      | 0.1622      | 0.3051            |
| $R_d$   | 1.0         | 0.0         | 0.0         | 52.76   | 71.63   | 49.88   | 87.29         | 35          | 37.89(=35.5+2.4)  | 20.82(=18.3+2.52)  | 4.41(=1.66+2.74)   | 0.6003      | 0.3299      | 0.2351            |
| $N_d$   | 0.0         | 0.0         | 0.0         | 18.01   | 0.0     | 0.0     | 0.0           | 0           | 2.4(=0.0+2.4)     | 2.52(=0.0+2.52)    | 2.74(=0.0+2.74)    | 0.3127      | 0.329       | 0.0285            |
| $W_d$   | 1.0         | 1.0         | 1.0         | 95.41   | 0.0     | 0.0     | 0.0           | 0           | 84.2(=81.8+2.4)   | 88.59(=86.07+2.52) | 96.46(=93.72+2.74) | 0.3127      | 0.329       | 1.0               |

**Berechnete farbmetrische Daten (b): Fernseh-Lichtfarben-Systeme TLS70b für Helligkeit  $L^*=70$  von Schwarz und für Lichtart D65**

D65-Reflexion:

$Y_N = 40.32$

$L^*_N = 69.7$

| Farbe i | $r_{a,d}^*$ | $g_{a,d}^*$ | $b_{a,d}^*$ | $L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{a,b,d}^*$ | $h_{a,b,d}$ | $X_{a,b,d}$         | $Y_{a,b,d}$         | $Z_{a,b,d}$        | $x_{a,b,d}$ | $y_{a,b,d}$ | $y_{a,b,d}/88.59$ |
|---------|-------------|-------------|-------------|---------|---------|---------|---------------|-------------|---------------------|---------------------|--------------------|-------------|-------------|-------------------|
| $R_d$   | 1.0         | 0.0         | 0.0         | 76.43   | 26.27   | 10.57   | 28.31         | 22          | 58.23(=19.91+38.32) | 50.59(=10.27+40.32) | 44.83(=0.93+43.9)  | 0.379       | 0.3292      | 0.571             |
| $G_d$   | 1.0         | 1.0         | 0.0         | 93.93   | -10.77  | 34.63   | 36.27         | 107         | 75.49(=37.17+38.32) | 85.11(=44.79+40.32) | 50.58(=6.68+43.9)  | 0.3575      | 0.403       | 0.9606            |
| $B_d$   | 0.0         | 1.0         | 0.0         | 89.32   | -35.82  | 27.64   | 45.25         | 142         | 55.58(=17.26+38.32) | 74.84(=34.52+40.32) | 49.65(=5.75+43.9)  | 0.3087      | 0.4156      | 0.8448            |
| $C_d$   | 0.0         | 0.0         | 1.0         | 90.93   | -21.97  | -7.09   | 23.1          | 198         | 64.3(=25.98+38.32)  | 78.33(=38.01+40.32) | 95.52(=51.62+43.9) | 0.27        | 0.3289      | 0.8842            |
| $M_d$   | 1.0         | 0.0         | 1.0         | 72.1    | 15.75   | -35.65  | 38.98         | 294         | 47.03(=8.71+38.32)  | 43.81(=3.49+40.32)  | 89.78(=45.88+43.9) | 0.2604      | 0.2425      | 0.4945            |
| $N_d$   | 0.0         | 0.0         | 0.0         | 78.5    | 37.52   | -25.24  | 45.23         | 326         | 66.94(=28.62+38.32) | 54.07(=13.75+40.32) | 90.7(=46.8+43.9)   | 0.3162      | 0.2554      | 0.6103            |
| $R_d$   | 1.0         | 0.0         | 0.0         | 76.43   | 26.27   | 10.57   | 28.31         | 22          | 58.23(=19.91+38.32) | 50.59(=10.27+40.32) | 44.83(=0.93+43.9)  | 0.379       | 0.3292      | 0.571             |
| $N_d$   | 0.0         | 0.0         | 0.0         | 69.7    | 0.0     | 0.0     | 0.0           | 0           | 38.32(=0.0+38.32)   | 40.32(=0.0+40.32)   | 43.9(=0.0+43.9)    | 0.3127      | 0.329       | 0.4551            |
| $W_d$   | 1.0         | 1.0         | 1.0         | 95.41   | 0.0     | 0.0     | 0.0           | 0           | 84.2(=45.88+38.32)  | 88.59(=48.27+40.32) | 96.46(=52.56+43.9) | 0.3127      | 0.329       | 1.0               |

CGI10-7N00

Prüfvorlage CGI1; 8 Grundfarben  $RYGCBMWN_d$  für TLS00, TLS00a & TLS00b Eingabe: *rgb*  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen Ausgabe:  $\rightarrow rgbb_d$