

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

| System TLS00   | Farbe i           | $r^*_{d,i}$ | $g^*_{d,i}$ | $b^*_{d,i}$ | $L^*_{d,i}$ | $a^*_{d,i}$ | $b^*_{d,i}$ | $C^*_{ab,d,i}$ | $h_{ab,d,i}$ | $X_{d,i}$ | $Y_{d,i}$ | $Z_{d,i}$ | $x_{d,i}$ | $y_{d,i}$ | $Y_{d,i}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|--------------|-----------|-----------|-----------|-----------|-----------|-----------------|
| D65-Reflexion: | 01,0 <sub>d</sub> | 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             |
| $Y_N = 0.0$    | 02,1 <sub>d</sub> | 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          |
| $L^*_N = 0.01$ | 03,2 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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  | Farbe i           | $r^*_{d,i}$ | $g^*_{d,i}$ | $b^*_{d,i}$ | $L^*_{d,i}$ | $a^*_{d,i}$ | $b^*_{d,i}$ | $C^*_{ab,d,i}$ | $h_{ab,d,i}$ | $X_{a,d,i}$ | $Y_{a,d,i}$ | $Z_{a,d,i}$ | $x_{a,d,i}$ | $y_{a,d,i}$ | $Y_{a,d,i}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------------|
| D65-Reflexion: | 01,0 <sub>d</sub> | 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               |
| $Y_N = 0.0$    | 02,1 <sub>d</sub> | 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            |
| $L^*_N = 0.01$ | 03,2 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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  | Farbe i           | $r^*_{d,i}$ | $g^*_{d,i}$ | $b^*_{d,i}$ | $L^*_{d,i}$ | $a^*_{d,i}$ | $b^*_{d,i}$ | $C^*_{ab,d,i}$ | $h_{ab,d,i}$ | $X_{b,d,i}$       | $Y_{b,d,i}$       | $Z_{b,d,i}$       | $x_{b,d,i}$ | $y_{b,d,i}$ | $Y_{b,d,i}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|--------------|-------------------|-------------------|-------------------|-------------|-------------|-------------------|
| D65-Reflexion: | 01,0 <sub>d</sub> | 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               |
| $Y_N = 0.0$    | 02,1 <sub>d</sub> | 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            |
| $L^*_N = 0.0$  | 03,2 <sub>d</sub> | 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 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 19.08       | 0.0         | 0.0         | 0.01           | 0            | 2.63(=2.63+0.0)   | 2.77(=2.77+0.0)   | 3.01(=3.01+0.0)   | 0.3127      | 0.329       | 0.0312            |
|                | 05,4 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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(=27.42+0.0) | 0.3127      | 0.329       | 0.2842            |
|                | 11,A <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 0.8         | 0.8         | 0.8         | 76.33       | 0.0         | 0.0         | 0.01           | 0            | 47.92(=47.92+0.0) | 50.43(=50.43+0.0) | 54.9(=54.9+0.0)   | 0.3127      | 0.329       | 0.5692            |
|                | 14,D <sub>d</sub> | 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 <sub>d</sub> | 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(=80.87+0.0) | 0.3127      | 0.329       | 0.8383            |
|                | 16,F <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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<sub>d</sub> für TLS00, TLS00a & TLS00b  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: *rgb*  
Ausgabe: *->rgb<sub>dd</sub>*

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

| System TLS00b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{b,d}$         | $Y_{b,d}$         | $Z_{b,d}$         | $x_{b,d}$ | $y_{b,d}$ | $Y_{b,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|-------------------|-------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 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             |
| D65-Reflexion: | 02,1 <sub>d</sub> | 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          |
| $Y_N = 0.0$    | 03,2 <sub>d</sub> | 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          |
| $L^*_N = 0.0$  | 04,3 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 TLS00b für Helligkeit  $L^*=00$  von Schwarz und für Lichtart D65

| System TLS00b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$         | $Z_{a,d}$         | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|-------------------|-------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 0.0         | 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)     | 0.0(=0.0+0.0)     | 0.3037    | 0.3195    | 0.0             |
| D65-Reflexion: | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 6.36    | 0.0         | 0.0         | 0.0          | 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          |
| $Y_N = 0.0$    | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 12.72   | 0.0         | 0.0         | 0.0          | 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          |
| $L^*_N = 0.0$  | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 19.08   | 0.0         | 0.0         | 0.0          | 0          | 2.63(=2.63+0.0)   | 2.77(=2.77+0.0)   | 3.01(=3.01+0.0)   | 0.3127    | 0.329     | 0.0312          |
|                | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 25.44   | 0.0         | 0.0         | 0.0          | 357        | 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 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 31.8    | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 38.16   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 44.52   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 50.89   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 57.25   | 0.0         | 0.0         | 0.0          | 0          | 23.93(=23.93+0.0) | 25.18(=25.18+0.0) | 27.42(=27.42+0.0) | 0.3127    | 0.329     | 0.2842          |
|                | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 63.61   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.733       | 0.733       | 0.733       | 69.97   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.8         | 0.8         | 0.8         | 76.33   | 0.0         | 0.0         | 0.0          | 0          | 47.92(=47.92+0.0) | 50.43(=50.43+0.0) | 54.9(=54.9+0.0)   | 0.3127    | 0.329     | 0.5692          |
|                | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 82.69   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.05   | 0.0         | 0.0         | 0.0          | 0          | 70.59(=70.59+0.0) | 74.27(=74.27+0.0) | 80.87(=80.87+0.0) | 0.3127    | 0.329     | 0.8383          |
|                | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 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 <sub>d</sub> | 0.0         | 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)     | 0.0(=0.0+0.0)     | 0.3037    | 0.3195    | 0.0             |
|                | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 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 TLS06b für Helligkeit  $L^*=06$  von Schwarz und für Lichtart D65

| System TLS06b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$          | $Z_{a,d}$          | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|--------------------|--------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 0.0         | 0.0         | 0.0         | 5.7     | 0.0         | 0.0         | 0.0          | 0          | 0.6(=0.0+0.6)     | 0.63(=0.0+0.63)    | 0.69(=0.0+0.69)    | 0.3127    | 0.329     | 0.0071          |
| D65-Reflexion: | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 11.48   | 0.0         | 0.0         | 0.0          | 0          | 1.26(=0.66+0.6)   | 1.33(=0.7+0.63)    | 1.45(=0.76+0.69)   | 0.3127    | 0.329     | 0.015           |
| $Y_N = 0.63$   | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 16.19   | 0.0         | 0.0         | 0.0          | 0          | 2.03(=1.43+0.6)   | 2.14(=1.51+0.63)   | 2.33(=1.64+0.69)   | 0.3127    | 0.329     | 0.0241          |
| $L^*_N = 5.69$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 21.49   | 0.0         | 0.0         | 0.0          | 4          | 3.21(=2.61+0.6)   | 3.38(=2.75+0.63)   | 3.68(=2.99+0.69)   | 0.3127    | 0.329     | 0.0381          |
|                | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 27.18   | 0.0         | 0.0         | 0.0          | 0          | 4.9(=4.3+0.6)     | 5.16(=4.53+0.63)   | 5.61(=4.93+0.69)   | 0.3127    | 0.329     | 0.0582          |
|                | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 33.09   | 0.0         | 0.0         | 0.0          | 4          | 7.2(=6.6+0.6)     | 7.58(=6.95+0.63)   | 8.25(=7.56+0.69)   | 0.3127    | 0.329     | 0.0855          |
|                | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 39.13   | 0.0         | 0.0         | 0.0          | 4          | 10.2(=9.6+0.6)    | 10.74(=10.11+0.63) | 11.69(=11.0+0.69)  | 0.3127    | 0.329     | 0.1212          |
|                | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 45.26   | 0.0         | 0.0         | 0.0          | 0          | 14.0(=13.4+0.6)   | 14.73(=14.1+0.63)  | 16.04(=15.35+0.69) | 0.3127    | 0.329     | 0.1663          |
|                | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 51.46   | 0.0         | 0.0         | 0.0          | 0          | 18.69(=18.09+0.6) | 19.67(=19.04+0.63) | 21.41(=20.73+0.69) | 0.3127    | 0.329     | 0.222           |
|                | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 57.68   | 0.0         | 0.0         | 0.0          | 0          | 24.36(=23.76+0.6) | 25.63(=25.0+0.63)  | 27.91(=27.22+0.69) | 0.3127    | 0.329     | 0.2893          |
|                | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 63.94   | 0.0         | 0.0         | 0.0          | 0          | 31.1(=30.5+0.6)   | 32.72(=32.09+0.63) | 35.63(=34.94+0.69) | 0.3127    | 0.329     | 0.3694          |
|                | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 70.21   | 0.0         | 0.0         | 0.0          | 10         | 39.01(=38.41+0.6) | 41.05(=40.42+0.63) | 44.69(=44.01+0.69) | 0.3127    | 0.329     | 0.4633          |
|                | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 76.5    | 0.0         | 0.0         | 0.0          | 10         | 48.18(=47.58+0.6) | 50.7(=50.07+0.63)  | 55.2(=54.51+0.69)  | 0.3127    | 0.329     | 0.5723          |
|                | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 82.79   | 0.0         | 0.0         | 0.0          | 0          | 58.71(=58.11+0.6) | 61.77(=61.14+0.63) | 67.26(=66.57+0.69) | 0.3127    | 0.329     | 0.6973          |
|                | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.1    | 0.0         | 0.0         | 0.0          | 0          | 70.68(=70.08+0.6) | 74.37(=73.74+0.63) | 80.98(=80.29+0.69) | 0.3127    | 0.329     | 0.8395          |
|                | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 0          | 84.2(=83.6+0.6)   | 88.59(=87.96+0.63) | 96.46(=95.77+0.69) | 0.3127    | 0.329     | 1.0             |
|                | 17,N <sub>d</sub> | 0.0         | 0.0         | 0.0         | 5.7     | 0.0         | 0.0         | 0.0          | 0          | 0.6(=0.0+0.6)     | 0.63(=0.0+0.63)    | 0.69(=0.0+0.69)    | 0.3127    | 0.329     | 0.0071          |
|                | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 0          | 84.2(=83.6+0.6)   | 88.59(=87.96+0.63) | 96.46(=95.77+0.69) | 0.3127    | 0.329     | 1.0             |

CGI30-7N00

Prüfvorlage CGI3; 16 Graustufen und NW<sub>d</sub> für TLS00b, TLS00b & TLS06b  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: rgb  
Ausgabe: ->rgbdd

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

| System TLS00b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$         | $Z_{a,d}$         | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|-------------------|-------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 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             |
| D65-Reflexion: | 02,1 <sub>d</sub> | 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          |
| $Y_N = 0.0$    | 03,2 <sub>d</sub> | 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          |
| $L^*_N = 0.0$  | 04,3 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 TLS11b für Helligkeit  $L^*=11$  von Schwarz und für Lichtart D65

| System TLS11b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$          | $Z_{a,d}$          | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|--------------------|--------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 0.0         | 0.0         | 0.0         | 11.0    | 0.0         | 0.0         | 0.0          | 0          | 1.2(=0.0+1.2)     | 1.26(=0.0+1.26)    | 1.37(=0.0+1.37)    | 0.3127    | 0.329     | 0.0142          |
| D65-Reflexion: | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 15.24   | 0.0         | 0.0         | 0.0          | 0          | 1.86(=0.66+1.2)   | 1.95(=0.69+1.26)   | 2.13(=0.76+1.37)   | 0.3127    | 0.329     | 0.0221          |
| $Y_N = 1.26$   | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 19.04   | 0.0         | 0.0         | 0.0          | 0          | 2.62(=1.42+1.2)   | 2.76(=1.5+1.26)    | 3.0(=1.63+1.37)    | 0.3127    | 0.329     | 0.0311          |
| $L^*_N = 11.0$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 23.63   | 0.0         | 0.0         | 0.0          | 0          | 3.79(=2.59+1.2)   | 3.99(=2.73+1.26)   | 4.34(=2.97+1.37)   | 0.3127    | 0.329     | 0.045           |
|                | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 28.78   | 0.0         | 0.0         | 0.0          | 0          | 5.47(=4.27+1.2)   | 5.75(=4.49+1.26)   | 6.27(=4.89+1.37)   | 0.3127    | 0.329     | 0.065           |
|                | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 34.31   | 0.0         | 0.0         | 0.0          | 0          | 7.75(=6.56+1.2)   | 8.16(=6.9+1.26)    | 8.88(=7.51+1.37)   | 0.3127    | 0.329     | 0.0921          |
|                | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 40.07   | 0.0         | 0.0         | 0.0          | 0          | 10.73(=9.54+1.2)  | 11.29(=10.03+1.26) | 12.3(=10.92+1.37)  | 0.3127    | 0.329     | 0.1275          |
|                | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 45.99   | 0.0         | 0.0         | 0.0          | 0          | 14.5(=13.3+1.2)   | 15.26(=14.0+1.26)  | 16.61(=15.24+1.37) | 0.3127    | 0.329     | 0.1722          |
|                | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 52.02   | 0.0         | 0.0         | 0.0          | 0          | 19.16(=17.96+1.2) | 20.16(=18.9+1.26)  | 21.95(=20.58+1.37) | 0.3127    | 0.329     | 0.2276          |
|                | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 58.11   | 0.0         | 0.0         | 0.0          | 0          | 24.79(=23.59+1.2) | 26.08(=24.82+1.26) | 28.4(=27.03+1.37)  | 0.3127    | 0.329     | 0.2944          |
|                | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 64.26   | 0.0         | 0.0         | 0.0          | 0          | 31.48(=30.28+1.2) | 33.12(=31.86+1.26) | 36.07(=34.69+1.37) | 0.3127    | 0.329     | 0.3739          |
|                | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 70.45   | 0.0         | 0.0         | 0.0          | 0          | 39.34(=38.14+1.2) | 41.39(=40.13+1.26) | 45.06(=43.69+1.37) | 0.3127    | 0.329     | 0.4672          |
|                | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 76.66   | 0.0         | 0.0         | 0.0          | 0          | 48.44(=47.24+1.2) | 50.97(=49.71+1.26) | 55.49(=54.12+1.37) | 0.3127    | 0.329     | 0.5753          |
|                | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 82.89   | 0.0         | 0.0         | 0.0          | 355        | 58.89(=57.69+1.2) | 61.97(=60.71+1.26) | 67.47(=66.1+1.37)  | 0.3127    | 0.329     | 0.6994          |
|                | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.15   | 0.0         | 0.0         | 0.0          | 0          | 70.78(=69.58+1.2) | 74.47(=73.21+1.26) | 81.09(=79.72+1.37) | 0.3127    | 0.329     | 0.8406          |
|                | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 0          | 84.2(=83.0+1.2)   | 88.59(=87.33+1.26) | 96.46(=95.09+1.37) | 0.3127    | 0.329     | 1.0             |
|                | 17,N <sub>d</sub> | 0.0         | 0.0         | 0.0         | 11.0    | 0.0         | 0.0         | 0.0          | 0          | 1.2(=0.0+1.2)     | 1.26(=0.0+1.26)    | 1.37(=0.0+1.37)    | 0.3127    | 0.329     | 0.0142          |
|                | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41   | 0.0         | 0.0         | 0.0          | 0          | 84.2(=83.0+1.2)   | 88.59(=87.33+1.26) | 96.46(=95.09+1.37) | 0.3127    | 0.329     | 1.0             |

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

| System TLS18b   | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_d$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$          | $Z_{a,d}$          | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|-----------------|-------------------|-------------|-------------|-------------|---------|-------------|-------------|--------------|------------|-------------------|--------------------|--------------------|-----------|-----------|-----------------|
|                 | 01,0 <sub>d</sub> | 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          |
| D65-Reflexion:  | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 20.84   | 0.0         | 0.0         | 0.0          | 0          | 3.05(=0.65+2.4)   | 3.2(=0.68+2.52)    | 3.49(=0.74+2.74)   | 0.3127    | 0.329     | 0.0362          |
| $Y_N = 2.52$    | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 23.65   | 0.0         | 0.0         | 0.0          | 0          | 3.8(=1.4+2.4)     | 3.99(=1.47+2.52)   | 4.35(=1.61+2.74)   | 0.3127    | 0.329     | 0.0451          |
| $L^*_N = 18.01$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 27.32   | 0.0         | 0.0         | 0.0          | 0          | 4.95(=2.55+2.4)   | 5.21(=2.69+2.52)   | 5.67(=2.93+2.74)   | 0.3127    | 0.329     | 0.0588          |
|                 | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 31.69   | 0.0         | 0.0         | 0.0          | 3          | 6.6(=4.21+2.4)    | 6.95(=4.43+2.52)   | 7.57(=4.82+2.74)   | 0.3127    | 0.329     | 0.0784          |
|                 | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 36.59   | 0.0         | 0.0         | 0.0          | 0          | 8.86(=6.46+2.4)   | 9.32(=6.8+2.52)    | 10.15(=7.4+2.74)   | 0.3127    | 0.329     | 0.1052          |
|                 | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 41.86   | 0.0         | 0.0         | 0.0          | 0          | 11.79(=9.4+2.4)   | 12.41(=9.89+2.52)  | 13.51(=10.77+2.74) | 0.3127    | 0.329     | 0.1401          |
|                 | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 47.39   | 0.0         | 0.0         | 0.0          | 353        | 15.51(=13.11+2.4) | 16.32(=13.8+2.52)  | 17.77(=15.02+2.74) | 0.3127    | 0.329     | 0.1842          |
|                 | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 53.11   | 0.0         | 0.0         | 0.0          | 0          | 20.1(=17.7+2.4)   | 21.15(=18.63+2.52) | 23.03(=20.28+2.74) | 0.3127    | 0.329     | 0.2387          |
|                 | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 58.96   | 0.0         | 0.0         | 0.0          | 0          | 25.65(=23.25+2.4) | 26.98(=24.46+2.52) | 29.38(=26.64+2.74) | 0.3127    | 0.329     | 0.3046          |
|                 | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 64.9    | 0.0         | 0.0         | 0.0          | 0          | 32.24(=29.85+2.4) | 33.92(=31.4+2.52)  | 36.94(=34.19+2.74) | 0.3127    | 0.329     | 0.3829          |
|                 | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 70.92   | 0.0         | 0.0         | 0.0          | 0          | 39.98(=37.59+2.4) | 42.07(=39.55+2.52) | 45.8(=43.06+2.74)  | 0.3127    | 0.329     | 0.4749          |
|                 | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 76.99   | 0.0         | 0.0         | 0.0          | 0          | 48.96(=46.56+2.4) | 51.51(=48.99+2.52) | 56.09(=53.34+2.74) | 0.3127    | 0.329     | 0.5814          |
|                 | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 83.1    | 0.0         | 0.0         | 0.0          | 0          | 59.26(=56.86+2.4) | 62.35(=59.83+2.52) | 67.89(=65.14+2.74) | 0.3127    | 0.329     | 0.7038          |
|                 | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.24   | 0.0         | 0.0         | 0.0          | 0          | 70.97(=68.58+2.4) | 74.68(=72.16+2.52) | 81.31(=78.57+2.74) | 0.3127    | 0.329     | 0.8429          |
|                 | 16,F <sub>d</sub> | 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             |
|                 | 17,N <sub>d</sub> | 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          |
|                 | 18,W <sub>d</sub> | 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             |

CGI30-7N00

Prüfvorlage CGI3; 16 Graustufen und NW<sub>d</sub> für TLS00b, TLS11b & TLS18b  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: rgb  
Ausgabe: ->rgbdd

Siehe ähnliche Dateien: <http://farbe.li.tu-berlin.de/CGI3/CGI3L0NA.TXT> / .PS  
Technische Information: <http://farbe.li.tu-berlin.de> oder <http://color.li.tu-berlin.de>

TÜB-Registrierung: 20211101-CGI3/CGI3L0NA.TXT /.PS  
Anwendung für Messung oder Beurteilung von Display-Ausgabe  
TÜB-Material: Code=rha4ta

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

| System TLS00b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$         | $Y_{a,d}$         | $Z_{a,d}$         | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|-------------------|-------------------|-------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 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             |
| D65-Reflexion: | 02,1 <sub>d</sub> | 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          |
| $Y_N = 0.0$    | 03,2 <sub>d</sub> | 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          |
| $L^*_N = 0.0$  | 04,3 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 TLS27b für Helligkeit  $L^*=27$  von Schwarz und für Lichtart D65

| System TLS27b   | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$          | $Y_{a,d}$          | $Z_{a,d}$          | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|--------------------|--------------------|--------------------|-----------|-----------|-----------------|
|                 | 01,0 <sub>d</sub> | 0.0         | 0.0         | 0.0         | 26.85       | 0.0         | 0.0         | 0.0          | 0          | 4.79(=0.0+4.79)    | 5.04(=0.0+5.04)    | 5.49(=0.0+5.49)    | 0.3127    | 0.329     | 0.0569          |
| D65-Reflexion:  | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 28.65       | 0.0         | 0.0         | 0.0          | 0          | 5.42(=0.63+4.79)   | 5.7(=0.66+5.04)    | 6.21(=0.72+5.49)   | 0.3127    | 0.329     | 0.0644          |
| $Y_N = 5.04$    | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 30.57       | 0.0         | 0.0         | 0.0          | 0          | 6.15(=1.36+4.79)   | 6.47(=1.43+5.04)   | 7.05(=1.56+5.49)   | 0.3127    | 0.329     | 0.073           |
| $L^*_N = 26.85$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 33.24       | 0.0         | 0.0         | 0.0          | 0          | 7.27(=2.48+4.79)   | 7.65(=2.84+5.04)   | 8.33(=3.24+5.49)   | 0.3127    | 0.329     | 0.0863          |
|                 | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 36.63       | 0.0         | 0.0         | 0.0          | 357        | 8.88(=4.09+4.79)   | 9.34(=4.3+5.04)    | 10.17(=4.68+5.49)  | 0.3127    | 0.329     | 0.1054          |
|                 | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 40.64       | 0.0         | 0.0         | 0.0          | 3          | 11.06(=6.27+4.79)  | 11.64(=6.6+5.04)   | 12.67(=7.18+5.49)  | 0.3127    | 0.329     | 0.1314          |
|                 | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 45.14       | 0.0         | 0.0         | 0.0          | 0          | 13.91(=9.12+4.79)  | 14.64(=9.6+5.04)   | 15.94(=10.45+5.49) | 0.3127    | 0.329     | 0.1652          |
|                 | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 50.02       | 0.0         | 0.0         | 0.0          | 355        | 17.52(=12.73+4.79) | 18.43(=13.39+5.04) | 20.07(=14.58+5.49) | 0.3127    | 0.329     | 0.2081          |
|                 | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 55.2        | 0.0         | 0.0         | 0.0          | 0          | 21.98(=17.19+4.79) | 23.12(=18.08+5.04) | 25.18(=19.69+5.49) | 0.3127    | 0.329     | 0.261           |
|                 | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 60.59       | 0.0         | 0.0         | 0.0          | 0          | 27.36(=22.57+4.79) | 28.79(=23.75+5.04) | 31.34(=25.86+5.49) | 0.3127    | 0.329     | 0.3249          |
|                 | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 66.16       | 0.0         | 0.0         | 0.0          | 0          | 33.76(=28.97+4.79) | 35.53(=30.49+5.04) | 38.68(=33.19+5.49) | 0.3127    | 0.329     | 0.401           |
|                 | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 71.85       | 0.0         | 0.0         | 0.0          | 10         | 41.28(=36.49+4.79) | 43.43(=38.39+5.04) | 47.29(=41.8+5.49)  | 0.3127    | 0.329     | 0.4902          |
|                 | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 77.64       | 0.0         | 0.0         | 0.0          | 0          | 49.99(=45.2+4.79)  | 52.6(=47.56+5.04)  | 57.27(=51.78+5.49) | 0.3127    | 0.329     | 0.5937          |
|                 | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 83.5        | 0.0         | 0.0         | 0.0          | 0          | 59.99(=55.2+4.79)  | 63.12(=58.08+5.04) | 68.72(=63.23+5.49) | 0.3127    | 0.329     | 0.7124          |
|                 | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.43       | 0.0         | 0.0         | 0.0          | 7          | 71.36(=66.57+4.79) | 75.08(=70.04+5.04) | 81.75(=76.26+5.49) | 0.3127    | 0.329     | 0.8475          |
|                 | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=79.41+4.79)  | 88.59(=83.55+5.04) | 96.46(=90.97+5.49) | 0.3127    | 0.329     | 1.0             |
|                 | 17,N <sub>d</sub> | 0.0         | 0.0         | 0.0         | 26.85       | 0.0         | 0.0         | 0.0          | 0          | 4.79(=0.0+4.79)    | 5.04(=0.0+5.04)    | 5.49(=0.0+5.49)    | 0.3127    | 0.329     | 0.0569          |
|                 | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=79.41+4.79)  | 88.59(=83.55+5.04) | 96.46(=90.97+5.49) | 0.3127    | 0.329     | 1.0             |

Berechnete farbmetrische Daten (b): Fernseh-Lichtfarben-Systeme TLS38b für Helligkeit  $L^*=38$  von Schwarz und für Lichtart D65

| System TLS38b   | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$          | $Y_{a,d}$           | $Z_{a,d}$           | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|--------------------|---------------------|---------------------|-----------|-----------|-----------------|
|                 | 01,0 <sub>d</sub> | 0.0         | 0.0         | 0.0         | 37.99       | 0.0         | 0.0         | 0.0          | 0          | 9.58(=0.0+9.58)    | 10.08(=0.0+10.08)   | 10.98(=0.0+10.98)   | 0.3127    | 0.329     | 0.1138          |
| D65-Reflexion:  | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 39.08       | 0.0         | 0.0         | 0.0          | 3          | 10.17(=0.59+9.58)  | 10.7(=0.62+10.08)   | 11.65(=0.68+10.98)  | 0.3127    | 0.329     | 0.1208          |
| $Y_N = 10.08$   | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 40.29       | 0.0         | 0.0         | 0.0          | 0          | 10.86(=1.28+9.58)  | 11.42(=1.34+10.08)  | 12.44(=1.46+10.98)  | 0.3127    | 0.329     | 0.129           |
| $L^*_N = 37.99$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 42.05       | 0.0         | 0.0         | 0.0          | 0          | 11.91(=2.33+9.58)  | 12.53(=2.45+10.08)  | 13.64(=2.67+10.98)  | 0.3127    | 0.329     | 0.1414          |
|                 | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 44.41       | 0.0         | 0.0         | 0.0          | 0          | 13.42(=3.84+9.58)  | 14.12(=4.04+10.08)  | 15.37(=4.4+10.98)   | 0.3127    | 0.329     | 0.1594          |
|                 | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 47.34       | 0.0         | 0.0         | 0.0          | 0          | 15.47(=5.89+9.58)  | 16.28(=6.2+10.08)   | 17.73(=6.75+10.98)  | 0.3127    | 0.329     | 0.1838          |
|                 | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 50.8        | 0.0         | 0.0         | 0.0          | 0          | 18.15(=8.57+9.58)  | 19.1(=9.02+10.08)   | 20.8(=9.82+10.98)   | 0.3127    | 0.329     | 0.2156          |
|                 | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 54.73       | 0.0         | 0.0         | 0.0          | 353        | 21.54(=11.96+9.58) | 22.67(=12.59+10.08) | 24.68(=13.7+10.98)  | 0.3127    | 0.329     | 0.2558          |
|                 | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 59.04       | 0.0         | 0.0         | 0.0          | 0          | 25.73(=16.15+9.58) | 27.07(=16.99+10.08) | 29.48(=18.5+10.98)  | 0.3127    | 0.329     | 0.3056          |
|                 | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 63.67       | 0.0         | 0.0         | 0.0          | 355        | 30.79(=21.21+9.58) | 32.39(=22.31+10.08) | 35.27(=24.3+10.98)  | 0.3127    | 0.329     | 0.3657          |
|                 | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 68.55       | 0.0         | 0.0         | 0.0          | 0          | 36.81(=27.23+9.58) | 38.73(=28.65+10.08) | 42.17(=31.19+10.98) | 0.3127    | 0.329     | 0.4371          |
|                 | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 73.65       | 0.0         | 0.0         | 0.0          | 0          | 43.87(=34.29+9.58) | 46.16(=36.08+10.08) | 50.25(=39.28+10.98) | 0.3127    | 0.329     | 0.521           |
|                 | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 78.91       | 0.0         | 0.0         | 0.0          | 353        | 52.05(=42.47+9.58) | 54.77(=44.69+10.08) | 59.63(=48.66+10.98) | 0.3127    | 0.329     | 0.6182          |
|                 | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 84.31       | 0.0         | 0.0         | 0.0          | 355        | 61.45(=51.87+9.58) | 64.65(=54.57+10.08) | 70.4(=59.42+10.98)  | 0.3127    | 0.329     | 0.7298          |
|                 | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 89.81       | 0.0         | 0.0         | 0.0          | 0          | 72.14(=62.56+9.58) | 75.9(=65.82+10.08)  | 82.64(=71.66+10.98) | 0.3127    | 0.329     | 0.8567          |
|                 | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=74.62+9.58)  | 88.59(=78.51+10.08) | 96.46(=85.48+10.98) | 0.3127    | 0.329     | 1.0             |
|                 | 17,N <sub>d</sub> | 0.0         | 0.0         | 0.0         | 37.99       | 0.0         | 0.0         | 0.0          | 0          | 9.58(=0.0+9.58)    | 10.08(=0.0+10.08)   | 10.98(=0.0+10.98)   | 0.3127    | 0.329     | 0.1138          |
|                 | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=74.62+9.58)  | 88.59(=78.51+10.08) | 96.46(=85.48+10.98) | 0.3127    | 0.329     | 1.0             |

CGI30-7N00

Prüfvorlage CGI3; 16 Graustufen und NW<sub>d</sub> für TLS00b, TLS27b & TLS38b  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: rgb  
Ausgabe: ->rgbdd

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

| System TLS00b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{b,d}$         | $Y_{b,d}$         | $Z_{b,d}$         | $x_{b,d}$ | $y_{b,d}$ | $Y_{b,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|-------------------|-------------------|-------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 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             |
| D65-Reflexion: | 02,1 <sub>d</sub> | 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          |
| $Y_N = 0.0$    | 03,2 <sub>d</sub> | 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          |
| $L^*_N = 0.0$  | 04,3 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 <sub>d</sub> | 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 TLS52b für Helligkeit  $L^*=52$  von Schwarz und für Lichtart D65

| System TLS52b   | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$           | $Y_{a,d}$           | $Z_{a,d}$           | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|-----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|---------------------|---------------------|---------------------|-----------|-----------|-----------------|
|                 | 01,0 <sub>d</sub> | 0.0         | 0.0         | 0.0         | 52.02       | 0.0         | 0.0         | 0.0          | 0          | 19.16(=0.0+19.16)   | 20.16(=0.0+20.16)   | 21.95(=0.0+21.95)   | 0.3127    | 0.329     | 0.2276          |
| D65-Reflexion:  | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 52.62       | 0.0         | 0.0         | 0.0          | 0          | 19.68(=0.52+19.16)  | 20.7(=0.54+20.16)   | 22.54(=0.59+21.95)  | 0.3127    | 0.329     | 0.2337          |
| $Y_N = 20.16$   | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 53.31       | 0.0         | 0.0         | 0.0          | 0          | 20.27(=1.11+19.16)  | 21.33(=1.17+20.16)  | 23.23(=1.28+21.95)  | 0.3127    | 0.329     | 0.2408          |
| $L^*_N = 52.02$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 54.34       | 0.0         | 0.0         | 0.0          | 0          | 21.19(=2.03+19.16)  | 22.3(=2.14+20.16)   | 24.28(=2.33+21.95)  | 0.3127    | 0.329     | 0.2517          |
|                 | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 55.77       | 0.0         | 0.0         | 0.0          | 0          | 22.51(=3.35+19.16)  | 23.68(=3.52+20.16)  | 25.78(=3.83+21.95)  | 0.3127    | 0.329     | 0.2673          |
|                 | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 57.62       | 0.0         | 0.0         | 0.0          | 0          | 24.3(=5.14+19.16)   | 25.56(=5.4+20.16)   | 27.83(=5.88+21.95)  | 0.3127    | 0.329     | 0.2886          |
|                 | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 59.91       | 0.0         | 0.0         | 0.0          | 0          | 26.63(=7.47+19.16)  | 28.02(=8.56+20.16)  | 30.51(=8.56+21.95)  | 0.3127    | 0.329     | 0.3163          |
|                 | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 62.62       | 0.0         | 0.0         | 0.0          | 0          | 29.59(=10.43+19.16) | 31.13(=10.97+20.16) | 33.89(=11.94+21.95) | 0.3127    | 0.329     | 0.3514          |
|                 | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 65.73       | 0.0         | 0.0         | 0.0          | 0          | 33.24(=14.08+19.16) | 34.97(=14.81+20.16) | 38.08(=16.13+21.95) | 0.3127    | 0.329     | 0.3947          |
|                 | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 69.19       | 0.0         | 0.0         | 0.0          | 0          | 37.65(=18.49+19.16) | 39.61(=19.45+20.16) | 43.13(=21.18+21.95) | 0.3127    | 0.329     | 0.4471          |
|                 | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 72.98       | 0.0         | 0.0         | 0.0          | 0          | 42.89(=23.73+19.16) | 45.13(=24.97+20.16) | 49.14(=27.19+21.95) | 0.3127    | 0.329     | 0.5094          |
|                 | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 77.04       | 0.0         | 0.0         | 0.0          | 0          | 49.04(=29.88+19.16) | 51.6(=31.44+20.16)  | 56.19(=34.24+21.95) | 0.3127    | 0.329     | 0.5825          |
|                 | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 81.35       | 0.0         | 0.0         | 0.0          | 10         | 56.18(=37.02+19.16) | 59.11(=38.95+20.16) | 64.36(=42.41+21.95) | 0.3127    | 0.329     | 0.6672          |
|                 | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 85.87       | 0.0         | 0.0         | 0.0          | 0          | 64.37(=45.21+19.16) | 67.73(=47.57+20.16) | 73.74(=51.79+21.95) | 0.3127    | 0.329     | 0.7645          |
|                 | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 90.56       | 0.0         | 0.0         | 0.0          | 10         | 73.68(=54.52+19.16) | 77.53(=57.37+20.16) | 84.41(=62.46+21.95) | 0.3127    | 0.329     | 0.8751          |
|                 | 16,F <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=65.04+19.16)  | 88.59(=68.43+20.16) | 96.46(=74.51+21.95) | 0.3127    | 0.329     | 1.0             |
|                 | 17,N <sub>d</sub> | 0.0         | 0.0         | 0.0         | 52.02       | 0.0         | 0.0         | 0.0          | 0          | 19.16(=0.0+19.16)   | 20.16(=0.0+20.16)   | 21.95(=0.0+21.95)   | 0.3127    | 0.329     | 0.2276          |
|                 | 18,W <sub>d</sub> | 1.0         | 1.0         | 1.0         | 95.41       | 0.0         | 0.0         | 0.0          | 0          | 84.2(=65.04+19.16)  | 88.59(=68.43+20.16) | 96.46(=74.51+21.95) | 0.3127    | 0.329     | 1.0             |

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

| System TLS70b  | Farbe i           | $r^*_{a,d}$ | $g^*_{a,d}$ | $b^*_{a,d}$ | $L^*_{a,d}$ | $a^*_{a,d}$ | $b^*_{a,d}$ | $C^*_{ab,d}$ | $h_{ab,d}$ | $X_{a,d}$           | $Y_{a,d}$           | $Z_{a,d}$          | $x_{a,d}$ | $y_{a,d}$ | $Y_{a,d}/88.59$ |
|----------------|-------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|---------------------|---------------------|--------------------|-----------|-----------|-----------------|
|                | 01,0 <sub>d</sub> | 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          |
| D65-Reflexion: | 02,1 <sub>d</sub> | 0.067       | 0.067       | 0.067       | 69.97       | 0.0         | 0.0         | 0.0          | 0          | 38.68(=0.36+38.32)  | 40.7(=0.38+40.32)   | 44.32(=0.42+43.9)  | 0.3127    | 0.329     | 0.4594          |
| $Y_N = 40.32$  | 03,2 <sub>d</sub> | 0.133       | 0.133       | 0.133       | 70.28       | 0.0         | 0.0         | 0.0          | 0          | 39.11(=0.79+38.32)  | 41.15(=0.83+40.32)  | 44.8(=0.9+43.9)    | 0.3127    | 0.329     | 0.4644          |
| $L^*_N = 69.7$ | 04,3 <sub>d</sub> | 0.2         | 0.2         | 0.2         | 70.75       | 0.0         | 0.0         | 0.0          | 0          | 39.75(=1.43+38.32)  | 41.83(=1.51+40.32)  | 45.54(=1.64+43.9)  | 0.3127    | 0.329     | 0.4721          |
|                | 05,4 <sub>d</sub> | 0.267       | 0.267       | 0.267       | 71.42       | 0.0         | 0.0         | 0.0          | 0          | 40.68(=2.36+38.32)  | 42.8(=2.48+40.32)   | 46.61(=2.7+43.9)   | 0.3127    | 0.329     | 0.4832          |
|                | 06,5 <sub>d</sub> | 0.333       | 0.333       | 0.333       | 72.32       | 0.0         | 0.0         | 0.0          | 0          | 41.94(=3.62+38.32)  | 44.13(=3.81+40.32)  | 48.05(=4.15+43.9)  | 0.3127    | 0.329     | 0.4981          |
|                | 07,6 <sub>d</sub> | 0.4         | 0.4         | 0.4         | 73.46       | 0.0         | 0.0         | 0.0          | 0          | 43.59(=5.27+38.32)  | 45.87(=5.55+40.32)  | 49.94(=6.04+43.9)  | 0.3127    | 0.329     | 0.5177          |
|                | 08,7 <sub>d</sub> | 0.467       | 0.467       | 0.467       | 74.86       | 0.0         | 0.0         | 0.0          | 0          | 45.67(=7.35+38.32)  | 48.06(=7.74+40.32)  | 52.33(=8.43+43.9)  | 0.3127    | 0.329     | 0.5425          |
|                | 09,8 <sub>d</sub> | 0.533       | 0.533       | 0.533       | 76.54       | 0.0         | 0.0         | 0.0          | 0          | 48.25(=9.93+38.32)  | 50.77(=10.45+40.32) | 55.28(=11.38+43.9) | 0.3127    | 0.329     | 0.573           |
|                | 10,9 <sub>d</sub> | 0.6         | 0.6         | 0.6         | 78.49       | 0.0         | 0.0         | 0.0          | 0          | 51.36(=13.04+38.32) | 54.04(=13.72+40.32) | 58.84(=14.94+43.9) | 0.3127    | 0.329     | 0.61            |
|                | 11,A <sub>d</sub> | 0.667       | 0.667       | 0.667       | 80.7        | 0.0         | 0.0         | 0.0          | 0          | 55.06(=16.74+38.32) | 57.93(=17.61+40.32) | 63.08(=19.18+43.9) | 0.3127    | 0.329     | 0.6539          |
|                | 12,B <sub>d</sub> | 0.733       | 0.733       | 0.733       | 83.18       | 0.0         | 0.0         | 0.0          | 0          | 59.4(=21.08+38.32)  | 62.5(=22.18+40.32)  | 68.05(=24.15+43.9) | 0.3127    | 0.329     | 0.7055          |
|                | 13,C <sub>d</sub> | 0.8         | 0.8         | 0.8         | 85.9        | 0.0         | 0.0         | 0.0          | 0          | 64.43(=26.11+38.32) | 67.8(=27.48+40.32)  | 73.82(=29.92+43.9) | 0.3127    | 0.329     | 0.7653          |
|                | 14,D <sub>d</sub> | 0.867       | 0.867       | 0.867       | 88.86       | 0.0         | 0.0         | 0.0          | 0          | 70.21(=31.89+38.32) | 73.87(=33.55+40.32) | 80.43(=36.53+43.9) | 0.3127    | 0.329     | 0.8339          |
|                | 15,E <sub>d</sub> | 0.933       | 0.933       | 0.933       | 92.04       | 0.0         | 0.0         | 0.0          | 0          | 76.78(=38.46+38.32) | 80.79(=40.47+40.32) | 87.96(=44.06+43.9) | 0.3127    | 0.329     | 0.9119          |
|                | 16,F <sub>d</sub> | 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             |
|                | 17,N <sub>d</sub> | 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          |
|                | 18,W <sub>d</sub> | 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             |

CGI30-7N00

Prüfvorlage CGI3; 16 Graustufen und NW<sub>d</sub> für TLS00b, TLS52b & TLS70b  
Berechnung CIE-Farbdaten für sRGB-Display für 3 Reflexionen

Eingabe: rgb

Ausgabe: -&gt;rgbdd