

Farbmetrische Daten von Fernseh-Lichtfarben-System TLS00a für Helligkeit $L^*_N=00$ von Schwarz

System:

TLS00a

Monitor:

LCD

Reflexion:

$Y_N = 0.0$

$L^*_N = 0.0$

| Farbe | r=olvs*1 | g=olvs*2 | b=olvs*3 | L [*] _a =LAB*1 _a | a [*] _a =LAB*2 _a | b [*] _a =LAB*3 _a | C [*] _a =LAB*ab _a | h _a | X _a =XYZ _{1a} | Y _a =XYZ _{2a} | Z _a =XYZ _{3a} | x _a | y _a | Y _a /88.59 |
|---------|----------|----------|----------|---|---|---|--|----------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------|----------------|-----------------------|
| 00 o00y | 1.0 | 0.0 | 0.0 | 53.21 | 78.53 | 65.65 | 102.36 | 40 | 40.69 | 21.24 | 2.1 | 0.6355 | 0.3317 | 0.2484 |
| 01 ol3y | 1.0 | 0.125 | 0.0 | 53.94 | 76.28 | 65.83 | 100.76 | 41 | 40.98 | 21.92 | 2.23 | 0.6292 | 0.3365 | 0.2564 |
| 02 o25y | 1.0 | 0.25 | 0.0 | 57.02 | 67.72 | 66.71 | 95.06 | 45 | 42.54 | 24.95 | 2.82 | 0.605 | 0.3548 | 0.2918 |
| 03 os8y | 1.0 | 0.375 | 0.0 | 61.52 | 55.58 | 68.6 | 88.29 | 51 | 45.0 | 29.85 | 3.75 | 0.5726 | 0.3797 | 0.3491 |
| 04 o50y | 1.0 | 0.5 | 0.0 | 66.94 | 41.79 | 70.89 | 82.26 | 60 | 47.77 | 38.57 | 5.1 | 0.5375 | 0.406 | 0.4275 |
| 05 o63y | 1.0 | 0.625 | 0.0 | 73.24 | 26.73 | 74.3 | 78.96 | 70 | 52.93 | 45.53 | 6.85 | 0.5026 | 0.4323 | 0.5325 |
| 06 o75y | 1.0 | 0.75 | 0.0 | 79.83 | 12.13 | 78.0 | 78.94 | 81 | 58.44 | 56.38 | 9.03 | 0.4719 | 0.4552 | 0.6594 |
| 07 o88y | 1.0 | 0.875 | 0.0 | 86.38 | -1.46 | 82.01 | 82.02 | 91 | 64.7 | 68.76 | 11.49 | 0.4463 | 0.4744 | 0.8042 |
| 08 y00l | 1.0 | 1.0 | 0.0 | 94.1 | -15.93 | 87.27 | 88.72 | 100 | 73.34 | 85.49 | 14.68 | 0.4227 | 0.4927 | 1.0 |
| 09 y13l | 0.875 | 1.0 | 0.0 | 91.95 | -27.55 | 84.51 | 88.89 | 108 | 63.78 | 80.6 | 14.28 | 0.402 | 0.508 | 0.9427 |
| 10 y25l | 0.75 | 1.0 | 0.0 | 90.14 | -38.26 | 82.28 | 90.74 | 115 | 56.03 | 76.62 | 13.91 | 0.3813 | 0.5228 | 0.8962 |
| 11 y38l | 0.625 | 1.0 | 0.0 | 88.45 | -49.38 | 80.26 | 94.24 | 122 | 48.97 | 73.01 | 13.54 | 0.3623 | 0.5388 | 0.854 |
| 12 y50l | 0.5 | 1.0 | 0.0 | 86.94 | -60.91 | 78.52 | 98.89 | 127 | 42.91 | 65.88 | 13.19 | 0.3407 | 0.5547 | 0.8174 |
| 13 y63l | 0.375 | 1.0 | 0.0 | 85.74 | -69.36 | 77.23 | 103.81 | 132 | 38.25 | 67.47 | 12.88 | 0.3225 | 0.5689 | 0.7891 |
| 14 y75l | 0.25 | 1.0 | 0.0 | 84.81 | -77.08 | 76.04 | 108.28 | 135 | 34.72 | 65.63 | 12.72 | 0.3071 | 0.5804 | 0.7676 |
| 15 y88l | 0.125 | 1.0 | 0.0 | 84.19 | -82.22 | 75.33 | 111.52 | 138 | 32.5 | 64.44 | 12.58 | 0.2967 | 0.5884 | 0.7537 |
| 16 l00c | 0.0 | 1.0 | 0.0 | 84.03 | -83.48 | 75.12 | 112.31 | 138 | 31.96 | 64.13 | 12.56 | 0.2941 | 0.5903 | 0.7501 |
| 17 l13c | 0.0 | 1.0 | 0.125 | 84.07 | -83.08 | 72.37 | 110.19 | 139 | 32.11 | 64.2 | 13.68 | 0.2919 | 0.5837 | 0.7509 |
| 18 l25c | 0.0 | 1.0 | 0.25 | 84.18 | -80.91 | 62.13 | 102.03 | 142 | 32.84 | 64.4 | 18.41 | 0.284 | 0.5569 | 0.7533 |
| 19 l38c | 0.0 | 1.0 | 0.375 | 84.44 | -77.67 | 49.03 | 91.86 | 148 | 34.09 | 64.92 | 26.04 | 0.2726 | 0.5192 | 0.7593 |
| 20 l50c | 0.0 | 1.0 | 0.5 | 84.81 | -72.1 | 35.21 | 84.81 | 154 | 35.77 | 65.63 | 36.23 | 0.2569 | 0.4768 | 0.7676 |
| 21 l63c | 0.0 | 1.0 | 0.625 | 85.28 | -68.28 | 21.21 | 71.51 | 163 | 37.96 | 66.55 | 49.13 | 0.2471 | 0.4331 | 0.7784 |
| 22 l75c | 0.0 | 1.0 | 0.75 | 85.82 | -62.91 | 8.24 | 63.45 | 173 | 40.41 | 67.64 | 63.75 | 0.2352 | 0.3937 | 0.7911 |
| 23 l88c | 0.0 | 1.0 | 0.875 | 86.4 | -57.53 | -3.2 | 57.63 | 183 | 43.0 | 68.79 | 79.07 | 0.2253 | 0.3604 | 0.8046 |
| 24 c00v | 0.0 | 1.0 | 1.0 | 87.06 | -52.42 | -13.54 | 54.15 | 194 | 45.72 | 70.12 | 95.18 | 0.2167 | 0.3323 | 0.8202 |
| 25 cl3v | 0.0 | 1.0 | 0.875 | 1.0 | 78.4 | -40.44 | 47.98 | 213 | 37.41 | 53.89 | 91.26 | 0.2049 | 0.2952 | 0.6304 |
| 26 c25v | 0.0 | 1.0 | 0.75 | 1.0 | 70.63 | -28.48 | 36.92 | 232 | 31.2 | 41.65 | 87.99 | 0.194 | 0.2589 | 0.4871 |
| 27 c38v | 0.0 | 1.0 | 0.675 | 1.0 | 62.45 | -14.4 | 26.87 | 254 | 25.8 | 30.93 | 84.99 | 0.182 | 0.2183 | 0.3618 |
| 28 c50v | 0.0 | 1.0 | 0.5 | 1.0 | 53.98 | -1.74 | 16.22 | 272 | 21.23 | 21.95 | 81.89 | 0.1697 | 0.1755 | 0.2568 |
| 29 c63v | 0.0 | 1.0 | 0.375 | 1.0 | 45.02 | 19.41 | 76.04 | 285 | 19.93 | 15.39 | 79.98 | 0.1584 | 0.135 | 0.1788 |
| 30 c75v | 0.0 | 1.0 | 0.25 | 1.0 | 38.35 | 38.38 | 85.12 | 93.38 | 294 | 15.41 | 10.29 | 0.1488 | 0.0993 | 0.1203 |
| 31 c88v | 0.0 | 1.0 | 0.125 | 1.0 | 32.16 | 55.61 | -94.97 | 110.06 | 300 | 13.86 | 7.16 | 0.1418 | 0.0732 | 0.0837 |
| 32 v00m | 0.0 | 0.0 | 1.0 | 30.5 | 60.26 | -97.5 | 114.62 | 302 | 13.47 | 6.44 | 76.35 | 0.14 | 0.0669 | 0.0754 |
| 33 v13m | 0.125 | 0.0 | 1.0 | 31.07 | 61.12 | -96.93 | 114.6 | 302 | 13.99 | 6.68 | 76.88 | 0.1434 | 0.0685 | 0.0781 |
| 34 v25m | 0.25 | 0.0 | 1.0 | 33.35 | 62.93 | -92.92 | 112.23 | 304 | 15.93 | 7.7 | 76.78 | 0.1586 | 0.0767 | 0.0901 |
| 35 v38m | 0.375 | 0.0 | 1.0 | 36.81 | 66.05 | -87.54 | 109.67 | 307 | 19.26 | 9.44 | 77.54 | 0.1813 | 0.0888 | 0.1104 |
| 36 v50m | 0.5 | 0.0 | 1.0 | 40.7 | 69.7 | -81.13 | 106.97 | 311 | 25.56 | 11.68 | 77.94 | 0.2082 | 0.1032 | 0.1366 |
| 37 v63m | 0.625 | 0.0 | 1.0 | 45.18 | 74.51 | -74.14 | 105.11 | 315 | 29.42 | 13.89 | 78.92 | 0.2392 | 0.1193 | 0.1716 |
| 38 v75m | 0.75 | 0.0 | 1.0 | 49.67 | 79.02 | -66.89 | 103.54 | 320 | 36.09 | 18.14 | 79.54 | 0.2698 | 0.1356 | 0.2122 |
| 39 v88m | 0.875 | 0.0 | 1.0 | 54.01 | 83.65 | -59.99 | 102.94 | 324 | 43.54 | 21.99 | 80.32 | 0.2985 | 0.1508 | 0.2572 |
| 40 m00o | 1.0 | 0.0 | 1.0 | 58.77 | 89.16 | -52.55 | 103.5 | 329 | 52.97 | 26.78 | 81.35 | 0.3288 | 0.1663 | 0.3133 |
| 41 m13o | 1.0 | 0.0 | 1.0 | 57.52 | 87.43 | -42.59 | 97.26 | 334 | 50.26 | 25.42 | 66.11 | 0.3543 | 0.1795 | 0.2978 |
| 42 m25o | 1.0 | 0.0 | 1.0 | 56.35 | 85.39 | -31.06 | 90.87 | 340 | 47.67 | 24.27 | 51.49 | 0.3862 | 0.1966 | 0.2838 |
| 43 m38o | 1.0 | 0.0 | 1.0 | 55.22 | 83.35 | -17.43 | 85.15 | 348 | 45.22 | 23.14 | 37.54 | 0.427 | 0.2186 | 0.2707 |
| 44 m50o | 1.0 | 0.0 | 1.0 | 54.23 | 81.16 | -1.58 | 81.17 | 359 | 43.01 | 22.19 | 25.13 | 0.4761 | 0.2457 | 0.2596 |
| 45 m63o | 1.0 | 0.0 | 1.0 | 53.36 | 79.06 | 15.96 | 81.06 | 371 | 41.22 | 20.88 | 15.26 | 0.5294 | 0.2745 | 0.25 |
| 46 m75o | 1.0 | 0.0 | 1.0 | 52.73 | 78.3 | 35.35 | 85.91 | 374 | 39.95 | 20.8 | 7.82 | 0.5826 | 0.3033 | 0.2433 |
| 47 m88o | 1.0 | 0.0 | 1.0 | 52.31 | 77.37 | 57.23 | 96.24 | 36 | 39.08 | 20.42 | 3.02 | 0.6251 | 0.3266 | 0.2389 |
| 48 o00y | 1.0 | 0.0 | 0.0 | 53.21 | 78.53 | 65.65 | 102.36 | 40 | 40.69 | 21.24 | 2.1 | 0.6355 | 0.3317 | 0.2484 |
| 49 n00w | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.01 | 289 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50 n13w | 0.125 | 0.125 | 0.125 | 8.96 | -0.41 | 0.08 | 0.43 | 169 | 0.94 | 1.0 | 1.08 | 0.3109 | 0.3309 | 0.0117 |
| 51 n25w | 0.25 | 0.25 | 0.25 | 27.82 | 0.0 | -0.39 | 1.0 | 269 | 5.12 | 5.39 | 6.11 | 0.3082 | 0.3244 | 0.0631 |
| 52 n38w | 0.375 | 0.375 | 0.375 | 41.94 | 0.88 | -2.21 | 2.39 | 292 | 11.97 | 12.46 | 14.5 | 0.3075 | 0.3201 | 0.1458 |
| 53 n50w | 0.5 | 0.5 | 0.5 | 54.1 | 1.61 | -3.16 | 3.56 | 297 | 21.1 | 25.97 | 21.1 | 0.3073 | 0.3182 | 0.2581 |
| 54 n63w | 0.625 | 0.625 | 0.625 | 65.58 | 1.98 | -3.65 | 4.16 | 298 | 33.61 | 34.78 | 40.9 | 0.3076 | 0.3182 | 0.4068 |
| 55 n75w | 0.75 | 0.75 | 0.75 | 75.95 | 2.21 | -3.65 | 4.28 | 301 | 48.14 | 49.81 | 58.08 | 0.3085 | 0.3192 | 0.5826 |
| 56 n88w | 0.875 | 0.875 | 0.875 | 85.36 | 1.68 | -2.98 | 3.43 | 299 | 64.14 | 66.72 | 76.43 | 0.3094 | 0.3219 | 0.7804 |
| 57 n99w | 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 | 1.0362 |

$W = 88.59 / (88.59 - 1.23) = 1.014$

TUB-Prüfvorlage KG42; Bunttonkreis und farbmetrische Daten input: olv* stgrbcolor
 Messung von LCD-Display und für Lr = 0% output: no change compared to input

Siehe Original/Kopie: http://web.me.com/Klaus_richter/KG42/KG42L0N1.TXT /PS
 Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20100601_KG42/KG42L0N1.TXT /PS
 Anwendung für Messung von Drucker- oder Monitorssystemen

TUB-Material: Code=th4ta