

# Farbmetrische Daten von Fernseh-Lichtfarben-System TLS00 für Helligkeit $L^*_N=00$ von Schwarz

System:

TLS00

Monitor:

CRT

| Farbe   | $r=ol\gamma^*_1$ | $g=ol\gamma^*_2$ | $b=ol\gamma^*_3$ | $L^*=LAB^*_1c$ | $a^*=LAB^*_2c$ | $b^*=LAB^*_3c$ | $C_{ab,c}=LAB^*_rc$ | $h_{ab,c}$ | $X_c=XYZ_{1c}$ | $Y_c=XYZ_{2c}$ | $Z_c=XYZ_{3c}$ | $x_c$  | $y_c$  | $z_c$  | $Y_{c88.59}$ |
|---------|------------------|------------------|------------------|----------------|----------------|----------------|---------------------|------------|----------------|----------------|----------------|--------|--------|--------|--------------|
| 00 000y | 1.0              | 0.0              | 0.0              | 56.02          | 77.48          | 66.45          | 102.07              | 42         | 44.38          | 23.93          | 2.62           | 0.6257 | 0.3374 | 0.2701 | 0.2701       |
| 01 013y | 1.0              | 0.125            | 0.0              | 56.02          | 77.28          | 66.41          | 101.9               | 42         | 44.31          | 23.93          | 2.62           | 0.6253 | 0.3377 | 0.2701 | 0.2701       |
| 02 025y | 1.0              | 0.25             | 0.0              | 57.92          | 71.8           | 67.19          | 98.34               | 45         | 45.26          | 25.88          | 2.98           | 0.6106 | 0.3492 | 0.2921 | 0.2921       |
| 03 038y | 1.0              | 0.375            | 0.0              | 62.19          | 59.5           | 69.13          | 91.21               | 51         | 47.4           | 30.62          | 3.86           | 0.5789 | 0.374  | 0.3457 | 0.3457       |
| 04 050y | 1.0              | 0.5              | 0.0              | 72.49          | 44.39          | 67.72          | 82.99               | 61         | 50.6           | 37.69          | 5.13           | 0.5428 | 0.4028 | 0.4243 | 0.4243       |
| 05 063y | 1.0              | 0.625            | 0.0              | 73.76          | 28.82          | 75.54          | 80.86               | 72         | 54.63          | 46.33          | 6.76           | 0.5071 | 0.4301 | 0.523  | 0.523        |
| 06 075y | 1.0              | 0.75             | 0.0              | 79.96          | 13.76          | 79.39          | 80.57               | 83         | 59.35          | 56.61          | 8.67           | 0.4762 | 0.4542 | 0.639  | 0.639        |
| 07 088y | 1.0              | 0.875            | 0.0              | 86.01          | 0.2            | 83.63          | 83.63               | 93         | 64.73          | 68.01          | 10.69          | 0.4513 | 0.4742 | 0.7677 | 0.7677       |
| 08 000l | 1.0              | 1.0              | 0.0              | 91.93          | -12.99         | 87.13          | 88.09               | 101        | 70.31          | 80.55          | 13.19          | 0.4286 | 0.491  | 0.9092 | 0.9092       |
| 09 013l | 0.875            | 1.0              | 0.0              | 89.64          | -24.0          | 84.58          | 87.92               | 108        | 61.01          | 75.52          | 12.63          | 0.409  | 0.5063 | 0.8525 | 0.8525       |
| 10 025l | 0.75             | 1.0              | 0.0              | 87.47          | -35.92         | 82.12          | 89.64               | 116        | 52.43          | 70.97          | 12.15          | 0.3868 | 0.5236 | 0.8011 | 0.8011       |
| 11 038l | 0.625            | 1.0              | 0.0              | 85.44          | -48.24         | 79.84          | 93.29               | 123        | 44.75          | 66.87          | 11.69          | 0.3629 | 0.5423 | 0.7548 | 0.7548       |
| 12 050l | 0.5              | 1.0              | 0.0              | 83.56          | -60.65         | 77.73          | 98.03               | 129        | 38.03          | 63.22          | 11.28          | 0.3518 | 0.5618 | 0.7136 | 0.7136       |
| 13 063l | 0.375            | 1.0              | 0.0              | 82.02          | -72.3          | 75.94          | 104.86              | 134        | 32.65          | 60.33          | 10.97          | 0.3141 | 0.5804 | 0.681  | 0.681        |
| 14 075l | 0.25             | 1.0              | 0.0              | 80.88          | -82.0          | 74.62          | 110.88              | 138        | 28.73          | 58.25          | 10.74          | 0.294  | 0.5961 | 0.6575 | 0.6575       |
| 15 088l | 0.125            | 1.0              | 0.0              | 80.25          | -87.72         | 73.89          | 114.7               | 140        | 26.61          | 57.12          | 10.61          | 0.2821 | 0.6054 | 0.6447 | 0.6447       |
| 16 100c | 0.0              | 1.0              | 0.0              | 80.17          | -88.48         | 73.79          | 115.22              | 141        | 26.35          | 56.98          | 10.61          | 0.2805 | 0.6066 | 0.6432 | 0.6432       |
| 17 113c | 0.0              | 1.0              | 0.125            | 80.16          | -88.43         | 73.41          | 114.94              | 141        | 26.35          | 56.96          | 10.73          | 0.2802 | 0.6057 | 0.643  | 0.643        |
| 18 125c | 0.0              | 1.0              | 0.25             | 80.28          | -86.86         | 66.19          | 109.21              | 143        | 26.86          | 57.18          | 13.53          | 0.2753 | 0.586  | 0.6454 | 0.6454       |
| 19 138c | 0.0              | 1.0              | 0.375            | 80.6           | -83.19         | 51.95          | 98.09               | 148        | 28.12          | 57.74          | 20.48          | 0.2644 | 0.543  | 0.6518 | 0.6518       |
| 20 150c | 0.0              | 1.0              | 0.5              | 81.07          | -77.87         | 37.74          | 85.77               | 155        | 30.02          | 58.59          | 30.89          | 0.2512 | 0.4903 | 0.7136 | 0.7136       |
| 21 163c | 0.0              | 1.0              | 0.625            | 81.71          | -71.7          | 20.47          | 74.58               | 163        | 32.45          | 59.76          | 44.11          | 0.238  | 0.4384 | 0.846  | 0.846        |
| 22 175c | 0.0              | 1.0              | 0.75             | 82.43          | -64.7          | 5.72           | 64.96               | 174        | 35.34          | 61.1           | 60.02          | 0.2259 | 0.3905 | 0.6897 | 0.6897       |
| 23 188c | 0.0              | 1.0              | 0.875            | 83.26          | -57.4          | -7.78          | 57.93               | 185        | 38.65          | 62.66          | 77.97          | 0.2156 | 0.3495 | 0.7073 | 0.7073       |
| 24 000v | 0.0              | 1.0              | 1.0              | 84.22          | -50.12         | -20.03         | 53.99               | 198        | 42.33          | 64.49          | 97.58          | 0.2071 | 0.3155 | 0.728  | 0.728        |
| 25 013v | 0.0              | 0.875            | 1.0              | 77.24          | -38.2          | -30.47         | 48.88               | 214        | 36.57          | 51.93          | 95.19          | 0.1991 | 0.2827 | 0.5862 | 0.5862       |
| 26 025v | 0.0              | 0.75             | 1.0              | 69.81          | -24.32         | -41.97         | 48.52               | 235        | 31.36          | 40.48          | 93.23          | 0.19   | 0.2452 | 0.4569 | 0.4569       |
| 27 038v | 0.0              | 0.625            | 1.0              | 61.76          | -8.13          | -54.27         | 54.89               | 258        | 26.59          | 30.12          | 90.95          | 0.1801 | 0.204  | 0.34   | 0.34         |
| 28 050v | 0.0              | 0.5              | 1.0              | 53.37          | 10.02          | -67.62         | 68.37               | 276        | 22.44          | 21.38          | 89.33          | 0.1685 | 0.1606 | 0.2414 | 0.2414       |
| 29 063v | 0.0              | 0.375            | 1.0              | 44.84          | 31.31          | -81.6          | 87.41               | 290        | 19.23          | 14.43          | 88.29          | 0.1577 | 0.1183 | 0.1628 | 0.1628       |
| 30 075v | 0.0              | 0.25             | 1.0              | 37.25          | 52.3           | -94.04         | 107.62              | 302        | 18.02          | 9.67           | 87.38          | 0.1492 | 0.0848 | 0.1092 | 0.1092       |
| 31 088v | 0.0              | 0.125            | 1.0              | 33.58          | 63.94          | -100.42        | 119.06              | 302        | 16.27          | 7.81           | 87.45          | 0.1459 | 0.07   | 0.0881 | 0.0881       |
| 32 000m | 0.0              | 0.0              | 1.0              | 33.4           | 63.27          | -100.11        | 118.43              | 302        | 16.02          | 7.72           | 86.57          | 0.1452 | 0.07   | 0.0872 | 0.0872       |
| 33 013m | 0.125            | 0.0              | 1.0              | 33.76          | 63.95          | -100.02        | 118.72              | 302        | 16.41          | 7.89           | 87.32          | 0.147  | 0.0707 | 0.0891 | 0.0891       |
| 34 025m | 0.25             | 0.0              | 1.0              | 36.14          | 65.42          | -95.89         | 116.09              | 304        | 18.57          | 9.08           | 87.28          | 0.1616 | 0.079  | 0.1025 | 0.1025       |
| 35 038m | 0.375            | 0.0              | 1.0              | 39.92          | 68.67          | -89.58         | 112.88              | 307        | 22.58          | 11.2           | 87.57          | 0.1861 | 0.0923 | 0.1264 | 0.1264       |
| 36 050m | 0.5              | 0.0              | 1.0              | 44.48          | 73.01          | -82.23         | 109.98              | 311        | 28.25          | 14.17          | 88.31          | 0.2161 | 0.1084 | 0.16   | 0.16         |
| 37 063m | 0.625            | 0.0              | 1.0              | 49.17          | 76.2           | -73.8          | 106.09              | 315        | 34.63          | 17.73          | 89.29          | 0.247  | 0.1265 | 0.2002 | 0.2002       |
| 38 075m | 0.75             | 0.0              | 1.0              | 54.0           | 80.89          | -66.0          | 104.41              | 320        | 42.59          | 21.98          | 88.59          | 0.2781 | 0.1435 | 0.2481 | 0.2481       |
| 39 088m | 0.875            | 0.0              | 1.0              | 58.64          | 85.03          | -58.09         | 102.99              | 325        | 51.17          | 26.64          | 88.71          | 0.3073 | 0.16   | 0.3008 | 0.3008       |
| 40 000w | 1.0              | 0.0              | 1.0              | 63.05          | 89.51          | -50.96         | 103.0               | 330        | 60.56          | 31.65          | 89.38          | 0.3335 | 0.1743 | 0.3573 | 0.3573       |
| 41 013w | 1.0              | 0.0              | 0.875            | 61.53          | 87.25          | -38.83         | 95.5                | 336        | 56.9           | 29.85          | 69.87          | 0.3633 | 0.1906 | 0.337  | 0.337        |
| 42 025w | 1.0              | 0.0              | 0.75             | 60.16          | 84.9           | -25.02         | 88.51               | 344        | 53.63          | 28.3           | 52.01          | 0.4004 | 0.2113 | 0.3194 | 0.3194       |
| 43 038w | 1.0              | 0.0              | 0.625            | 58.9           | 82.72          | -9.32          | 83.25               | 354        | 50.72          | 26.92          | 36.13          | 0.4458 | 0.2366 | 0.3038 | 0.3038       |
| 44 050w | 1.0              | 0.0              | 0.5              | 57.81          | 85.9           | 4.99           | 86.05               | 4          | 50.15          | 25.76          | 24.88          | 0.4976 | 0.2556 | 0.2908 | 0.2908       |
| 45 063w | 1.0              | 0.0              | 0.375            | 56.92          | 79.09          | 18.45          | 84.05               | 21         | 46.29          | 22.53          | 25.59          | 0.5533 | 0.2969 | 0.2804 | 0.2804       |
| 46 075w | 1.0              | 0.0              | 0.25             | 56.33          | 78.02          | 50.44          | 92.9                | 35         | 45.03          | 24.24          | 5.58           | 0.6016 | 0.3239 | 0.2737 | 0.2737       |
| 47 088w | 1.0              | 0.0              | 0.125            | 56.09          | 77.63          | 65.6           | 101.63              | 42         | 44.54          | 24.01          | 2.75           | 0.6247 | 0.3367 | 0.271  | 0.271        |
| 48 000y | 1.0              | 0.0              | 0.0              | 56.02          | 77.48          | 66.45          | 102.07              | 42         | 44.38          | 23.93          | 2.62           | 0.6257 | 0.3374 | 0.2701 | 0.2701       |
| 49 000w | 0.0              | 0.0              | 0.0              | 0.46           | -0.16          | -0.09          | 0.2                 | 0          | 0.04           | 0.05           | 0.06           | 0.2802 | 0.323  | 0.0006 | 0.0006       |
| 50 013w | 0.125            | 0.125            | 0.125            | 2.38           | 4.33           | 1.25           | 4.5                 | 18         | 0.36           | 0.26           | 0.2            | 0.435  | 0.3218 | 0.003  | 0.003        |
| 51 025w | 0.25             | 0.25             | 0.25             | 22.26          | 7.95           | 2.57           | 8.36                | 25         | 3.93           | 3.59           | 3.47           | 0.3576 | 0.3267 | 0.0405 | 0.0405       |
| 52 038w | 0.375            | 0.375            | 0.375            | 39.92          | 6.15           | 1.68           | 6.38                | 33         | 11.48          | 11.2           | 11.57          | 0.3352 | 0.327  | 0.1264 | 0.1264       |
| 53 050w | 0.5              | 0.5              | 0.5              | 54.11          | 5.38           | 0.6            | 5.45                | 37         | 22.13          | 22.08          | 23.68          | 0.326  | 0.3252 | 0.2492 | 0.2492       |
| 54 063w | 0.625            | 0.625            | 0.625            | 66.29          | 4.06           | -0.08          | 5.06                | 44         | 35.4           | 35.7           | 38.95          | 0.3217 | 0.3244 | 0.403  | 0.403        |
| 55 075w | 0.75             | 0.75             | 0.75             | 77.06          | 4.96           | -1.02          | 5.06                | 43         | 50.91          | 51.63          | 57.3           | 0.3185 | 0.323  | 0.5828 | 0.5828       |
| 56 088w | 0.875            | 0.875            | 0.875            | 86.67          | 5.13           | -1.86          | 5.46                | 27         | 68.21          | 69.33          | 77.9           | 0.3166 | 0.3218 | 0.7826 | 0.7826       |
| 57 099w | 1.0              | 1.0              | 1.0              | 95.41          | 4.95           | -2.4           | 5.51                | 0          | 86.83          | 88.59          | 100.14         | 0.3151 | 0.3215 | 1.0    | 1.0          |

KG45-7N, 2316

TUB-Prüfvorlage KG45; Bunttonkreis und farbmetrische Daten  
Messung von CRT-Display und für Display-Reflexion

input:  $ol\gamma^* \text{ setrgbcolor}$   
output: no change compared to input