

Farbmetrische "Norm-Daten": Farbmetrische Daten des Natürliches Farbsystems NCS18 für Helligkeit L\*=18 von Schwarz für D65

System NCS18  
NCS system

| Farbe   | r=olv* <sub>1</sub> | g=olv* <sub>2</sub> | b=olv* <sub>3</sub> | L*=LAB* <sub>1</sub> | a*=LAB* <sub>2</sub> | b*=LAB* <sub>3</sub> | C* <sub>ab</sub> =LAB* <sub>r</sub> | h <sub>ab</sub> | X=XYZ <sub>1</sub> | Y=XYZ <sub>2</sub> | Z=XYZ <sub>3</sub> | x      | y      | Y/88.59 |
|---------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-------------------------------------|-----------------|--------------------|--------------------|--------------------|--------|--------|---------|
| 00 Y00R | 1.0                 | 1.0                 | 0.0                 | 90.76                | -0.82                | 124.09               | 124.09                              | 90              | 73.69              | 77.96              | 2.94               | 0.4767 | 0.5043 | 0.88    |
| 01 Y05R | 1.0                 | 0.95                | 0.0                 | 89.83                | 5.6                  | 122.81               | 122.94                              | 87              | 74.86              | 75.94              | 2.89               | 0.4871 | 0.4941 | 0.8572  |
| 02 Y10R | 1.0                 | 0.9                 | 0.0                 | 87.77                | 12.49                | 120.61               | 121.25                              | 84              | 73.89              | 71.58              | 2.7                | 0.4987 | 0.4831 | 0.808   |
| 03 Y15R | 1.0                 | 0.85                | 0.0                 | 84.58                | 19.29                | 116.34               | 117.93                              | 81              | 70.6               | 65.19              | 2.53               | 0.5104 | 0.4713 | 0.7359  |
| 04 Y20R | 1.0                 | 0.8                 | 0.0                 | 80.98                | 25.51                | 110.3                | 113.22                              | 77              | 66.34              | 58.43              | 2.51               | 0.5212 | 0.4591 | 0.6596  |
| 05 Y25R | 1.0                 | 0.75                | 0.0                 | 77.79                | 31.16                | 104.74               | 109.27                              | 73              | 62.77              | 52.86              | 2.52               | 0.5313 | 0.4474 | 0.5967  |
| 06 Y30R | 1.0                 | 0.7                 | 0.0                 | 74.98                | 36.13                | 100.39               | 106.7                               | 70              | 59.74              | 48.25              | 2.45               | 0.5409 | 0.4369 | 0.5447  |
| 07 Y35R | 1.0                 | 0.65                | 0.0                 | 72.28                | 40.31                | 96.43                | 104.52                              | 67              | 56.66              | 44.07              | 2.36               | 0.5496 | 0.4275 | 0.4975  |
| 08 Y40R | 1.0                 | 0.6                 | 0.0                 | 69.7                 | 43.96                | 92.22                | 102.16                              | 65              | 53.7               | 40.33              | 2.33               | 0.5573 | 0.4185 | 0.4552  |
| 09 Y45R | 1.0                 | 0.55                | 0.0                 | 67.39                | 47.46                | 87.59                | 99.62                               | 62              | 51.23              | 37.15              | 2.42               | 0.5642 | 0.4092 | 0.4194  |
| 10 Y50R | 1.0                 | 0.5                 | 0.0                 | 65.32                | 51.18                | 83.49                | 97.93                               | 58              | 49.28              | 34.45              | 2.48               | 0.5716 | 0.3996 | 0.3889  |
| 11 Y55R | 1.0                 | 0.45                | 0.0                 | 63.4                 | 55.23                | 80.36                | 97.51                               | 56              | 47.74              | 32.07              | 2.46               | 0.5803 | 0.3898 | 0.362   |
| 12 Y60R | 1.0                 | 0.4                 | 0.0                 | 61.57                | 59.15                | 77.68                | 97.63                               | 53              | 46.33              | 29.9               | 2.4                | 0.5892 | 0.3803 | 0.3375  |
| 13 Y65R | 1.0                 | 0.35                | 0.0                 | 59.77                | 62.58                | 74.78                | 97.51                               | 50              | 44.81              | 27.87              | 2.37               | 0.5971 | 0.3713 | 0.3145  |
| 14 Y70R | 1.0                 | 0.3                 | 0.0                 | 57.94                | 65.66                | 71.17                | 96.83                               | 47              | 43.18              | 25.9               | 2.43               | 0.6038 | 0.3622 | 0.2924  |
| 15 Y75R | 1.0                 | 0.25                | 0.0                 | 56.04                | 68.55                | 66.17                | 95.28                               | 44              | 41.41              | 23.95              | 2.66               | 0.6088 | 0.3521 | 0.2703  |
| 16 Y80R | 1.0                 | 0.2                 | 0.0                 | 54.06                | 71.0                 | 60.95                | 93.58                               | 41              | 39.46              | 22.03              | 2.92               | 0.6126 | 0.3421 | 0.2487  |
| 17 Y85R | 1.0                 | 0.25                | 0.0                 | 52.0                 | 72.9                 | 56.6                 | 92.29                               | 38              | 37.27              | 20.14              | 3.03               | 0.6166 | 0.3332 | 0.2274  |
| 18 Y90R | 1.0                 | 0.1                 | 0.0                 | 49.88                | 74.57                | 51.67                | 90.72                               | 35              | 35.05              | 18.32              | 3.23               | 0.6192 | 0.3237 | 0.2068  |
| 19 Y95R | 1.0                 | 0.05                | 0.0                 | 47.78                | 76.51                | 45.35                | 88.94                               | 31              | 33.0               | 16.62              | 3.67               | 0.6192 | 0.3119 | 0.1876  |
| 20 R00B | 1.0                 | 0.0                 | 0.0                 | 45.83                | 77.83                | 36.96                | 86.16                               | 25              | 31.04              | 15.14              | 4.59               | 0.6113 | 0.2982 | 0.1709  |
| 21 R05B | 1.0                 | 0.0                 | 0.1                 | 44.25                | 78.82                | 27.82                | 83.59                               | 19              | 29.5               | 14.01              | 5.99               | 0.5959 | 0.2831 | 0.1582  |
| 22 R10B | 1.0                 | 0.0                 | 0.2                 | 43.21                | 80.67                | 19.25                | 82.93                               | 13              | 28.81              | 13.3               | 7.74               | 0.578  | 0.2668 | 0.1501  |
| 23 R15B | 1.0                 | 0.0                 | 0.3                 | 42.66                | 83.2                 | 10.83                | 83.9                                | 7               | 28.85              | 12.93              | 10.02              | 0.5569 | 0.2496 | 0.146   |
| 24 R20B | 1.0                 | 0.0                 | 0.4                 | 42.27                | 86.82                | 1.66                 | 86.83                               | 1               | 29.35              | 12.67              | 13.13              | 0.5322 | 0.2298 | 0.1431  |
| 25 R25B | 1.0                 | 0.0                 | 0.5                 | 41.87                | 87.68                | -8.59                | 88.11                               | 354             | 29.14              | 12.42              | 17.33              | 0.4948 | 0.2109 | 0.1402  |
| 26 R30B | 1.0                 | 0.0                 | 0.6                 | 41.76                | 90.24                | -19.98               | 92.42                               | 348             | 29.68              | 12.35              | 23.27              | 0.4545 | 0.1891 | 0.1394  |
| 27 R35B | 1.0                 | 0.0                 | 0.7                 | 42.19                | 96.59                | -33.99               | 102.4                               | 341             | 31.88              | 12.62              | 32.99              | 0.4114 | 0.1629 | 0.1425  |
| 28 R40B | 1.0                 | 0.0                 | 0.8                 | 42.86                | 101.66               | -48.43               | 112.61                              | 335             | 34.12              | 13.06              | 45.86              | 0.3667 | 0.1404 | 0.1475  |
| 29 R45B | 1.0                 | 0.0                 | 0.9                 | 43.53                | 104.52               | -61.51               | 121.28                              | 330             | 35.8               | 13.51              | 60.2               | 0.3269 | 0.1234 | 0.1525  |
| 30 R50B | 1.0                 | 0.0                 | 1.0                 | 44.24                | 104.14               | -73.11               | 127.24                              | 325             | 36.61              | 14.0               | 75.44              | 0.2904 | 0.1111 | 0.1581  |
| 31 R55B | 0.9                 | 0.0                 | 1.0                 | 45.02                | 97.88                | -82.53               | 128.04                              | 320             | 35.74              | 14.56              | 90.08              | 0.2546 | 0.1037 | 0.1643  |
| 32 R60B | 0.8                 | 0.0                 | 1.0                 | 45.88                | 86.67                | -89.0                | 124.24                              | 314             | 33.56              | 15.18              | 102.02             | 0.2226 | 0.1007 | 0.1714  |
| 33 R65B | 0.7                 | 0.0                 | 1.0                 | 46.69                | 70.9                 | -89.55               | 114.23                              | 308             | 30.18              | 15.78              | 105.08             | 0.1998 | 0.1045 | 0.1782  |
| 34 R70B | 0.6                 | 0.0                 | 1.0                 | 47.57                | 56.7                 | -88.65               | 105.25                              | 303             | 27.5               | 16.46              | 106.08             | 0.1833 | 0.1097 | 0.1858  |
| 35 R75B | 0.5                 | 0.0                 | 1.0                 | 48.47                | 43.85                | -87.95               | 98.28                               | 296             | 25.32              | 17.17              | 107.43             | 0.1689 | 0.1145 | 0.1938  |
| 36 R80B | 0.4                 | 0.0                 | 1.0                 | 49.29                | 30.84                | -86.64               | 91.97                               | 290             | 23.15              | 17.83              | 107.61             | 0.1558 | 0.12   | 0.2013  |
| 37 R85B | 0.3                 | 0.0                 | 1.0                 | 50.08                | 16.7                 | -83.29               | 84.95                               | 281             | 20.84              | 18.49              | 104.41             | 0.145  | 0.1286 | 0.2087  |
| 38 R90B | 0.2                 | 0.0                 | 1.0                 | 51.11                | 2.21                 | -78.01               | 78.05                               | 272             | 18.83              | 19.36              | 98.95              | 0.1373 | 0.1412 | 0.2186  |
| 39 R95B | 0.1                 | 0.0                 | 1.0                 | 52.44                | -11.62               | -71.57               | 72.52                               | 261             | 17.3               | 20.54              | 92.74              | 0.1325 | 0.1573 | 0.2319  |
| 40 B00G | 0.0                 | 0.0                 | 1.0                 | 53.84                | -24.65               | -65.25               | 69.76                               | 249             | 16.05              | 21.82              | 87.11              | 0.1284 | 0.1746 | 0.2463  |
| 41 B05G | 0.0                 | 0.1                 | 1.0                 | 55.11                | -36.67               | -58.85               | 69.36                               | 238             | 14.94              | 23.04              | 81.33              | 0.1252 | 0.1931 | 0.26    |
| 42 B10G | 0.0                 | 0.2                 | 1.0                 | 56.28                | -47.82               | -53.65               | 71.88                               | 228             | 13.95              | 24.19              | 77.12              | 0.121  | 0.2099 | 0.2731  |
| 43 B15G | 0.0                 | 0.3                 | 1.0                 | 57.35                | -56.7                | -48.82               | 74.83                               | 221             | 13.28              | 25.28              | 73.29              | 0.1187 | 0.226  | 0.2853  |
| 44 B20G | 0.0                 | 0.4                 | 1.0                 | 58.33                | -63.79               | -44.2                | 77.62                               | 215             | 12.85              | 26.31              | 69.7               | 0.118  | 0.2417 | 0.297   |
| 45 B25G | 0.0                 | 0.5                 | 1.0                 | 59.23                | -70.17               | -39.8                | 80.69                               | 210             | 12.47              | 27.27              | 66.29              | 0.1176 | 0.2572 | 0.3079  |
| 46 B30G | 0.0                 | 0.6                 | 1.0                 | 60.02                | -76.12               | -35.81               | 84.14                               | 205             | 12.1               | 28.14              | 63.26              | 0.1169 | 0.2719 | 0.3177  |
| 47 B35G | 0.0                 | 0.7                 | 1.0                 | 60.74                | -81.57               | -32.21               | 87.71                               | 202             | 11.76              | 28.95              | 60.62              | 0.1161 | 0.2857 | 0.3268  |
| 48 B40G | 0.0                 | 0.8                 | 1.0                 | 61.4                 | -86.84               | -28.72               | 91.47                               | 198             | 11.43              | 29.71              | 58.06              | 0.1152 | 0.2995 | 0.3353  |
| 49 B45G | 0.0                 | 0.9                 | 1.0                 | 62.02                | -92.35               | -25.09               | 95.71                               | 195             | 11.03              | 30.42              | 55.34              | 0.114  | 0.3143 | 0.3434  |

Siehe Original/Kopie: <http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT> / PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT / PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rhata

Farbmetrische "Norm-Daten": Farbmetrische Daten des Natürliches Farbsystems NCS18 für Helligkeit L\*=18 von Schwarz für D65

System NCS18  
NCS system

| Farbe   | r=olv* <sub>1</sub> | g=olv* <sub>2</sub> | b=olv* <sub>3</sub> | L*=LAB* <sub>1</sub> | a*=LAB* <sub>2</sub> | b*=LAB* <sub>3</sub> | C* <sub>ab</sub> =LAB*r | h <sub>ab</sub> | X=XYZ <sub>1</sub> | Y=XYZ <sub>2</sub> | Z=XYZ <sub>3</sub> | x      | y      | Y/88.59 |
|---------|---------------------|---------------------|---------------------|----------------------|----------------------|----------------------|-------------------------|-----------------|--------------------|--------------------|--------------------|--------|--------|---------|
| 50 B50G | 0.0                 | 1.0                 | 1.0                 | 62.54                | -96.75               | -21.46               | 99.11                   | 193             | 10.75              | 31.04              | 52.56              | 0.1139 | 0.329  | 0.3503  |
| 51 B55G | 0.0                 | 1.0                 | 0.9                 | 62.91                | -99.44               | -18.09               | 101.08                  | 190             | 10.6               | 31.48              | 49.85              | 0.1153 | 0.3424 | 0.3553  |
| 52 B60G | 0.0                 | 1.0                 | 0.8                 | 63.16                | -102.05              | -14.92               | 103.15                  | 188             | 10.4               | 31.78              | 47.25              | 0.1163 | 0.3554 | 0.3588  |
| 53 B65G | 0.0                 | 1.0                 | 0.7                 | 63.32                | -106.59              | -11.72               | 107.24                  | 186             | 9.91               | 31.98              | 44.57              | 0.1146 | 0.3699 | 0.361   |
| 54 B70G | 0.0                 | 1.0                 | 0.6                 | 63.48                | -111.9               | -8.25                | 112.22                  | 184             | 9.33               | 32.16              | 41.74              | 0.1121 | 0.3864 | 0.363   |
| 55 B75G | 0.0                 | 1.0                 | 0.5                 | 63.63                | -116.1               | -4.46                | 116.2                   | 182             | 8.91               | 32.35              | 38.77              | 0.1113 | 0.4042 | 0.3651  |
| 56 B80G | 0.0                 | 1.0                 | 0.4                 | 63.79                | -119.89              | -0.52                | 119.9                   | 180             | 8.55               | 32.54              | 35.84              | 0.1111 | 0.423  | 0.3673  |
| 57 B85G | 0.0                 | 1.0                 | 0.3                 | 63.92                | -123.02              | 3.68                 | 123.09                  | 178             | 8.26               | 32.7               | 32.83              | 0.1119 | 0.4432 | 0.3692  |
| 58 B90G | 0.0                 | 1.0                 | 0.2                 | 64.1                 | -125.73              | 9.91                 | 126.13                  | 175             | 8.04               | 32.93              | 28.67              | 0.1155 | 0.4728 | 0.3717  |
| 59 B95G | 0.0                 | 1.0                 | 0.1                 | 64.48                | -126.58              | 20.17                | 128.19                  | 171             | 8.13               | 33.4               | 22.7               | 0.1266 | 0.52   | 0.377   |
| 60 G00Y | 0.0                 | 1.0                 | 0.0                 | 65.0                 | -126.76              | 34.09                | 131.27                  | 165             | 8.36               | 34.04              | 16.01              | 0.1431 | 0.5828 | 0.3843  |
| 61 G05Y | 0.05                | 1.0                 | 0.0                 | 65.61                | -114.79              | 46.12                | 123.72                  | 158             | 10.12              | 34.82              | 11.52              | 0.1792 | 0.6168 | 0.3931  |
| 62 G10Y | 0.1                 | 1.0                 | 0.0                 | 66.33                | -101.38              | 56.42                | 116.03                  | 151             | 12.38              | 35.75              | 8.51               | 0.2186 | 0.6311 | 0.4036  |
| 63 G15Y | 0.15                | 1.0                 | 0.0                 | 67.22                | -89.66               | 67.6                 | 112.29                  | 143             | 14.8               | 36.92              | 5.95               | 0.2567 | 0.6402 | 0.4167  |
| 64 G20Y | 0.2                 | 1.0                 | 0.0                 | 68.29                | -77.98               | 77.28                | 109.79                  | 135             | 17.66              | 38.36              | 4.29               | 0.2928 | 0.6361 | 0.433   |
| 65 G25Y | 0.25                | 1.0                 | 0.0                 | 69.61                | -67.53               | 83.74                | 107.59                  | 129             | 20.83              | 40.2               | 3.55               | 0.3226 | 0.6225 | 0.4538  |
| 66 G30Y | 0.3                 | 1.0                 | 0.0                 | 71.2                 | -59.24               | 90.53                | 108.2                   | 123             | 24.13              | 42.48              | 2.91               | 0.3471 | 0.611  | 0.4796  |
| 67 G35Y | 0.35                | 1.0                 | 0.0                 | 73.03                | -51.61               | 95.09                | 108.2                   | 118             | 27.86              | 45.22              | 2.71               | 0.3676 | 0.5966 | 0.5104  |
| 68 G40Y | 0.4                 | 1.0                 | 0.0                 | 75.09                | -45.29               | 99.63                | 109.45                  | 114             | 31.86              | 48.43              | 2.58               | 0.3845 | 0.5844 | 0.5467  |
| 69 G45Y | 0.45                | 1.0                 | 0.0                 | 77.34                | -40.25               | 103.85               | 111.38                  | 111             | 36.09              | 52.1               | 2.53               | 0.3978 | 0.5743 | 0.5881  |
| 70 G50Y | 0.5                 | 1.0                 | 0.0                 | 79.64                | -36.3                | 107.57               | 113.53                  | 109             | 40.4               | 56.05              | 2.56               | 0.408  | 0.5661 | 0.6327  |
| 71 G55Y | 0.55                | 1.0                 | 0.0                 | 81.87                | -33.12               | 110.69               | 115.54                  | 107             | 44.66              | 60.06              | 2.66               | 0.4159 | 0.5593 | 0.6779  |
| 72 G60Y | 0.6                 | 1.0                 | 0.0                 | 83.85                | -30.36               | 113.54               | 117.53                  | 105             | 48.67              | 63.78              | 2.74               | 0.4225 | 0.5537 | 0.72    |
| 73 G65Y | 0.65                | 1.0                 | 0.0                 | 85.49                | -27.59               | 116.24               | 119.47                  | 103             | 52.35              | 66.97              | 2.76               | 0.4288 | 0.5486 | 0.756   |
| 74 G70Y | 0.7                 | 1.0                 | 0.0                 | 86.85                | -24.81               | 118.69               | 121.26                  | 102             | 55.73              | 69.7               | 2.74               | 0.4348 | 0.5438 | 0.7867  |
| 75 G75Y | 0.75                | 1.0                 | 0.0                 | 87.98                | -21.86               | 120.86               | 122.82                  | 100             | 58.91              | 72.02              | 2.71               | 0.4408 | 0.5389 | 0.8129  |
| 76 G80Y | 0.8                 | 1.0                 | 0.0                 | 88.88                | -18.65               | 122.5                | 123.92                  | 99              | 61.91              | 73.92              | 2.7                | 0.4469 | 0.5336 | 0.8344  |
| 77 G85Y | 0.85                | 1.0                 | 0.0                 | 89.56                | -15.09               | 123.9                | 124.82                  | 97              | 64.73              | 75.36              | 2.67               | 0.4534 | 0.5279 | 0.8507  |
| 78 G90Y | 0.9                 | 1.0                 | 0.0                 | 90.16                | -11.07               | 124.88               | 125.38                  | 95              | 67.68              | 76.64              | 2.68               | 0.4604 | 0.5214 | 0.8651  |
| 79 G95Y | 0.95                | 1.0                 | 0.0                 | 90.7                 | -6.37                | 124.91               | 125.07                  | 93              | 70.93              | 77.83              | 2.8                | 0.468  | 0.5135 | 0.8785  |
| 80 Y00R | 0.0                 | 1.0                 | 0.0                 | 90.76                | -0.82                | 124.09               | 124.09                  | 90              | 73.69              | 77.96              | 2.94               | 0.4767 | 0.5043 | 0.88    |
| 81 9500 | 1.0                 | 1.0                 | 1.0                 | 18.31                | 0.0                  | 0.0                  | 0.01                    | 0               | 2.46               | 2.59               | 2.82               | 0.3127 | 0.329  | 0.0292  |
| 82 9000 | 0.944               | 0.944               | 0.944               | 25.26                | 0.0                  | 0.0                  | 0.01                    | 347             | 4.28               | 4.5                | 4.9                | 0.3127 | 0.329  | 0.0508  |
| 83 8500 | 0.889               | 0.889               | 0.889               | 30.78                | 0.0                  | 0.0                  | 0.01                    | 104             | 6.23               | 6.56               | 7.14               | 0.3127 | 0.329  | 0.074   |
| 84 8000 | 0.833               | 0.833               | 0.833               | 35.53                | 0.0                  | 0.0                  | 0.01                    | 9               | 8.33               | 8.77               | 9.55               | 0.3127 | 0.329  | 0.099   |
| 85 7500 | 0.778               | 0.778               | 0.778               | 39.83                | 0.0                  | 0.0                  | 0.01                    | 324             | 10.6               | 11.15              | 12.14              | 0.3127 | 0.329  | 0.1259  |
| 86 7000 | 0.722               | 0.722               | 0.722               | 43.84                | 0.01                 | 0.0                  | 0.01                    | 6               | 13.05              | 13.73              | 14.95              | 0.3127 | 0.329  | 0.155   |
| 87 6500 | 0.667               | 0.667               | 0.667               | 47.65                | 0.01                 | 0.0                  | 0.01                    | 162             | 15.7               | 16.52              | 17.99              | 0.3127 | 0.329  | 0.1865  |
| 88 6000 | 0.611               | 0.611               | 0.611               | 51.35                | 0.01                 | 0.0                  | 0.01                    | 166             | 18.6               | 19.57              | 21.31              | 0.3127 | 0.329  | 0.2209  |
| 89 5500 | 0.556               | 0.556               | 0.556               | 54.97                | 0.01                 | 0.0                  | 0.02                    | 11              | 21.77              | 22.9               | 24.94              | 0.3127 | 0.329  | 0.2585  |
| 90 5000 | 0.5                 | 0.5                 | 0.5                 | 58.56                | 0.01                 | 0.0                  | 0.02                    | 21              | 25.24              | 26.56              | 28.92              | 0.3127 | 0.329  | 0.2998  |
| 91 4500 | 0.444               | 0.444               | 0.444               | 62.17                | 0.01                 | 0.0                  | 0.02                    | 101             | 29.08              | 30.6               | 33.32              | 0.3127 | 0.329  | 0.3454  |
| 92 4000 | 0.389               | 0.389               | 0.389               | 65.81                | 0.01                 | 0.0                  | 0.02                    | 153             | 33.34              | 35.08              | 38.2               | 0.3127 | 0.329  | 0.396   |
| 93 3500 | 0.333               | 0.333               | 0.333               | 69.52                | 0.01                 | 0.0                  | 0.02                    | 100             | 38.08              | 40.07              | 43.64              | 0.3127 | 0.329  | 0.4523  |
| 94 3000 | 0.278               | 0.278               | 0.278               | 73.33                | 0.01                 | 0.0                  | 0.02                    | 300             | 43.41              | 45.68              | 49.74              | 0.3127 | 0.329  | 0.5156  |
| 95 2500 | 0.222               | 0.222               | 0.222               | 77.29                | 0.01                 | 0.0                  | 0.02                    | 162             | 49.43              | 52.01              | 56.64              | 0.3127 | 0.329  | 0.5871  |
| 96 2000 | 0.167               | 0.167               | 0.167               | 81.42                | 0.01                 | 0.0                  | 0.02                    | 154             | 56.31              | 59.24              | 64.52              | 0.3127 | 0.329  | 0.6687  |
| 97 1500 | 0.111               | 0.111               | 0.111               | 85.78                | 0.01                 | 0.0                  | 0.02                    | 165             | 64.2               | 67.55              | 73.56              | 0.3127 | 0.329  | 0.7625  |
| 98 1000 | 0.056               | 0.056               | 0.056               | 90.42                | 0.01                 | 0.0                  | 0.02                    | 132             | 73.39              | 77.21              | 84.09              | 0.3127 | 0.329  | 0.8716  |
| 99 0500 | 0.0                 | 0.0                 | 0.0                 | 95.41                | 0.01                 | -0.01                | 0.02                    | 0               | 84.2               | 88.59              | 96.48              | 0.3127 | 0.329  | 1.0     |

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Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Norm-Daten": Farbmetrische Daten des Natürliches Farbsystems NCS18 für Helligkeit  $L^*=18$  von Schwarz für D65

System NCS18  
NCS system

**J Gelb**

$LCH^* = 90.8 \ 124.1 \ 90$

$LAB^* = 90.8 \ -0.8 \ 124.1$

**G Grün**

$LCH^* = 65.0 \ 131.3 \ 165$

$LAB^* = 65.0 \ -126.8 \ 34.1$

**C\_e Cyan\_e**

$LCH^* = 62.5 \ 99.1 \ 193$

$LAB^* = 62.5 \ -96.8 \ -21.5$

**B Blau**

$LCH^* = 53.8 \ 69.8 \ 249 \ -1.0$

$LAB^* = 53.8 \ -24.7 \ -65.3$

**R Rot**

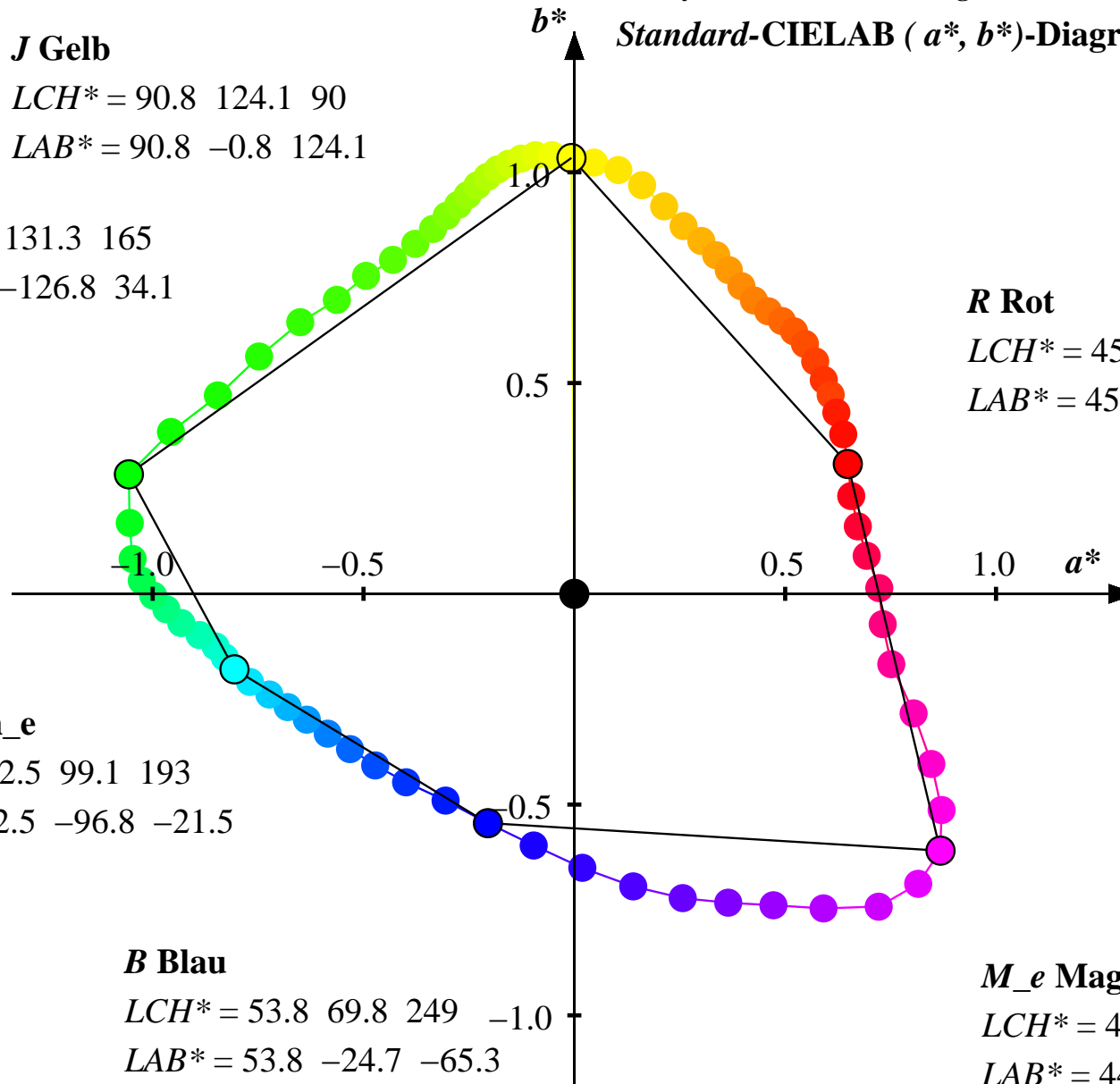
$LCH^* = 45.8 \ 86.2 \ 25$

$LAB^* = 45.8 \ 77.8 \ 37.0$

**M\_e Magenta\_e**

$LCH^* = 44.2 \ 127.2 \ 325$

$LAB^* = 44.2 \ 104.1 \ -73.1$



Siehe Original/Kopie: <http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT> /PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches Farbsystems NCS18a für Helligkeit L\*=18 von Schwarz für D65

| System NCS18a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ra | h <sub>ab,a</sub> | X <sub>a</sub> =XYZ <sub>1a</sub> | Y <sub>a</sub> =XYZ <sub>2a</sub> | Z <sub>a</sub> =XYZ <sub>3a</sub> | x <sub>a</sub> | y <sub>a</sub> | Y <sub>a</sub> /88.59 |
|---------------|---------|---------|---------|---------|------------|------------|------------|---------------|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------|----------------|-----------------------|
| NCS system    | 00 Y00R | 1.0     | 1.0     | 0.0     | 90.76      | -0.83      | 124.1      | 124.11        | 90                | 73.69                             | 77.96                             | 2.94                              | 0.4767         | 0.5043         | 0.88                  |
|               | 01 Y05R | 1.0     | 0.95    | 0.0     | 89.83      | 5.59       | 122.82     | 122.95        | 87                | 74.86                             | 75.94                             | 2.89                              | 0.4871         | 0.4941         | 0.8572                |
|               | 02 Y10R | 1.0     | 0.9     | 0.0     | 87.77      | 12.49      | 120.62     | 121.27        | 84                | 73.88                             | 71.58                             | 2.69                              | 0.4987         | 0.4831         | 0.808                 |
|               | 03 Y15R | 1.0     | 0.85    | 0.0     | 84.58      | 19.28      | 116.35     | 117.94        | 81                | 70.6                              | 65.19                             | 2.53                              | 0.5104         | 0.4713         | 0.7359                |
|               | 04 Y20R | 1.0     | 0.8     | 0.0     | 80.98      | 25.51      | 110.32     | 113.23        | 77                | 66.33                             | 58.43                             | 2.51                              | 0.5212         | 0.4591         | 0.6596                |
|               | 05 Y25R | 1.0     | 0.75    | 0.0     | 77.79      | 31.15      | 104.75     | 109.28        | 73                | 62.77                             | 52.86                             | 2.51                              | 0.5313         | 0.4474         | 0.5967                |
|               | 06 Y30R | 1.0     | 0.7     | 0.0     | 74.98      | 36.13      | 100.4      | 106.71        | 70                | 59.74                             | 48.25                             | 2.45                              | 0.5409         | 0.4369         | 0.5447                |
|               | 07 Y35R | 1.0     | 0.65    | 0.0     | 72.28      | 40.31      | 96.44      | 104.53        | 67                | 56.65                             | 44.07                             | 2.36                              | 0.5496         | 0.4275         | 0.4975                |
|               | 08 Y40R | 1.0     | 0.6     | 0.0     | 69.7       | 43.95      | 92.23      | 102.17        | 65                | 53.7                              | 40.33                             | 2.33                              | 0.5573         | 0.4185         | 0.4552                |
|               | 09 Y45R | 1.0     | 0.55    | 0.0     | 67.39      | 47.46      | 87.6       | 99.63         | 62                | 51.23                             | 37.15                             | 2.41                              | 0.5642         | 0.4092         | 0.4194                |
|               | 10 Y50R | 1.0     | 0.5     | 0.0     | 65.32      | 51.17      | 83.5       | 97.93         | 58                | 49.28                             | 34.45                             | 2.48                              | 0.5716         | 0.3996         | 0.3889                |
|               | 11 Y55R | 1.0     | 0.45    | 0.0     | 63.4       | 55.22      | 80.37      | 97.51         | 56                | 47.74                             | 32.07                             | 2.46                              | 0.5803         | 0.3898         | 0.362                 |
|               | 12 Y60R | 1.0     | 0.4     | 0.0     | 61.57      | 59.14      | 77.69      | 97.64         | 53                | 46.32                             | 29.9                              | 2.4                               | 0.5892         | 0.3803         | 0.3375                |
|               | 13 Y65R | 1.0     | 0.35    | 0.0     | 59.77      | 62.57      | 74.79      | 97.51         | 50                | 44.81                             | 27.87                             | 2.37                              | 0.5971         | 0.3713         | 0.3145                |
|               | 14 Y70R | 1.0     | 0.3     | 0.0     | 57.94      | 65.65      | 71.18      | 96.83         | 47                | 43.18                             | 25.9                              | 2.43                              | 0.6038         | 0.3622         | 0.2924                |
|               | 15 Y75R | 1.0     | 0.25    | 0.0     | 56.04      | 68.54      | 66.18      | 95.28         | 44                | 41.41                             | 23.95                             | 2.66                              | 0.6088         | 0.3521         | 0.2703                |
|               | 16 Y80R | 1.0     | 0.2     | 0.0     | 54.06      | 71.0       | 60.96      | 93.58         | 41                | 39.46                             | 22.03                             | 2.92                              | 0.6126         | 0.3421         | 0.2487                |
|               | 17 Y85R | 1.0     | 0.25    | 0.0     | 52.0       | 72.89      | 56.61      | 92.29         | 38                | 37.27                             | 20.14                             | 3.03                              | 0.6166         | 0.3332         | 0.2274                |
|               | 18 Y90R | 1.0     | 0.1     | 0.0     | 49.88      | 74.56      | 51.68      | 90.72         | 35                | 35.05                             | 18.32                             | 3.23                              | 0.6192         | 0.3237         | 0.2068                |
|               | 19 Y95R | 1.0     | 0.05    | 0.0     | 47.78      | 76.51      | 45.36      | 88.94         | 31                | 33.0                              | 16.62                             | 3.67                              | 0.6192         | 0.3119         | 0.1876                |
|               | 20 R00B | 1.0     | 0.0     | 0.0     | 45.83      | 77.82      | 36.97      | 86.16         | 25                | 31.04                             | 15.14                             | 4.59                              | 0.6113         | 0.2982         | 0.1709                |
|               | 21 R05B | 1.0     | 0.0     | 0.1     | 44.25      | 78.82      | 27.83      | 83.59         | 19                | 29.5                              | 14.01                             | 5.99                              | 0.5959         | 0.2831         | 0.1582                |
|               | 22 R10B | 1.0     | 0.0     | 0.2     | 43.21      | 80.66      | 19.26      | 82.93         | 13                | 28.81                             | 13.3                              | 7.73                              | 0.578          | 0.2668         | 0.1501                |
|               | 23 R15B | 1.0     | 0.0     | 0.3     | 42.66      | 83.19      | 10.83      | 83.89         | 7                 | 28.85                             | 12.93                             | 10.02                             | 0.5569         | 0.2496         | 0.146                 |
|               | 24 R20B | 1.0     | 0.0     | 0.4     | 42.27      | 86.81      | 1.67       | 86.83         | 1                 | 29.35                             | 12.67                             | 13.12                             | 0.5322         | 0.2298         | 0.1431                |
|               | 25 R25B | 1.0     | 0.0     | 0.5     | 41.87      | 87.68      | -8.59      | 88.1          | 354               | 29.14                             | 12.42                             | 17.33                             | 0.4948         | 0.2109         | 0.1402                |
|               | 26 R30B | 1.0     | 0.0     | 0.6     | 41.76      | 90.23      | -19.97     | 92.42         | 348               | 29.68                             | 12.35                             | 23.27                             | 0.4545         | 0.1891         | 0.1394                |
|               | 27 R35B | 1.0     | 0.0     | 0.7     | 42.19      | 96.58      | -33.98     | 102.39        | 341               | 31.88                             | 12.62                             | 32.98                             | 0.4114         | 0.1629         | 0.1425                |
|               | 28 R40B | 1.0     | 0.0     | 0.8     | 42.86      | 101.65     | -48.42     | 112.6         | 335               | 34.12                             | 13.06                             | 45.85                             | 0.3667         | 0.1404         | 0.1475                |
|               | 29 R45B | 1.0     | 0.0     | 0.9     | 43.53      | 104.51     | -61.5      | 121.27        | 330               | 35.8                              | 13.51                             | 60.19                             | 0.3269         | 0.1234         | 0.1525                |
|               | 30 R50B | 1.0     | 0.0     | 1.0     | 44.24      | 104.13     | -73.1      | 127.23        | 325               | 36.6                              | 14.0                              | 75.43                             | 0.2904         | 0.1111         | 0.1581                |
|               | 31 R55B | 0.9     | 0.0     | 1.0     | 45.02      | 97.87      | -82.53     | 128.03        | 320               | 35.74                             | 14.56                             | 90.07                             | 0.2546         | 0.1037         | 0.1643                |
|               | 32 R60B | 0.8     | 0.0     | 1.0     | 45.88      | 86.67      | -89.0      | 124.23        | 314               | 33.56                             | 15.18                             | 102.0                             | 0.2226         | 0.1007         | 0.1714                |
|               | 33 R65B | 0.7     | 0.0     | 1.0     | 46.69      | 70.9       | -89.54     | 114.22        | 308               | 30.18                             | 15.78                             | 105.07                            | 0.1998         | 0.1045         | 0.1782                |
|               | 34 R70B | 0.6     | 0.0     | 1.0     | 47.57      | 56.7       | -88.65     | 105.24        | 303               | 27.5                              | 16.46                             | 106.07                            | 0.1833         | 0.1097         | 0.1858                |
|               | 35 R75B | 0.5     | 0.0     | 1.0     | 48.47      | 43.85      | -87.94     | 98.27         | 296               | 25.32                             | 17.17                             | 107.42                            | 0.1689         | 0.1145         | 0.1938                |
|               | 36 R80B | 0.4     | 0.0     | 1.0     | 49.29      | 30.83      | -86.63     | 91.96         | 290               | 23.15                             | 17.83                             | 107.59                            | 0.1558         | 0.12           | 0.2013                |
|               | 37 R85B | 0.3     | 0.0     | 1.0     | 50.08      | 16.69      | -83.28     | 84.94         | 281               | 20.84                             | 18.49                             | 104.4                             | 0.145          | 0.1286         | 0.2087                |
|               | 38 R90B | 0.2     | 0.0     | 1.0     | 51.11      | 2.21       | -78.0      | 78.04         | 272               | 18.83                             | 19.36                             | 98.94                             | 0.1373         | 0.1412         | 0.2186                |
|               | 39 R95B | 0.1     | 0.0     | 1.0     | 52.44      | -11.63     | -71.56     | 72.51         | 261               | 17.3                              | 20.54                             | 92.73                             | 0.1325         | 0.1573         | 0.2319                |
|               | 40 B00G | 0.0     | 0.0     | 1.0     | 53.84      | -24.66     | -65.24     | 69.76         | 249               | 16.05                             | 21.82                             | 87.09                             | 0.1284         | 0.1746         | 0.2463                |
|               | 41 B05G | 0.0     | 0.1     | 1.0     | 55.11      | -36.68     | -58.84     | 69.35         | 238               | 14.94                             | 23.04                             | 81.32                             | 0.1252         | 0.1931         | 0.26                  |
|               | 42 B10G | 0.0     | 0.2     | 1.0     | 56.28      | -47.82     | -53.64     | 71.88         | 228               | 13.95                             | 24.19                             | 77.11                             | 0.121          | 0.2099         | 0.2731                |
|               | 43 B15G | 0.0     | 0.3     | 1.0     | 57.35      | -56.7      | -48.81     | 74.83         | 221               | 13.28                             | 25.28                             | 73.28                             | 0.1187         | 0.226          | 0.2853                |
|               | 44 B20G | 0.0     | 0.4     | 1.0     | 58.33      | -63.79     | -44.19     | 77.62         | 215               | 12.84                             | 26.31                             | 69.69                             | 0.118          | 0.2417         | 0.297                 |
|               | 45 B25G | 0.0     | 0.5     | 1.0     | 59.23      | -70.17     | -39.79     | 80.69         | 210               | 12.47                             | 27.27                             | 66.28                             | 0.1176         | 0.2572         | 0.3079                |
|               | 46 B30G | 0.0     | 0.6     | 1.0     | 60.02      | -76.13     | -35.8      | 84.14         | 205               | 12.1                              | 28.14                             | 63.25                             | 0.1169         | 0.2719         | 0.3177                |
|               | 47 B35G | 0.0     | 0.7     | 1.0     | 60.74      | -81.58     | -32.2      | 87.71         | 202               | 11.76                             | 28.95                             | 60.6                              | 0.1161         | 0.2857         | 0.3268                |
|               | 48 B40G | 0.0     | 0.8     | 1.0     | 61.4       | -86.84     | -28.71     | 91.48         | 198               | 11.43                             | 29.71                             | 58.04                             | 0.1152         | 0.2995         | 0.3353                |
|               | 49 B45G | 0.0     | 0.9     | 1.0     | 62.02      | -92.35     | -25.08     | 95.71         | 195               | 11.03                             | 30.42                             | 55.33                             | 0.114          | 0.3143         | 0.3434                |

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Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT / .PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches Farbsystems NCS00a für Helligkeit L\*=00 von Schwarz für D65

| System NCS00a | Farbe         | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ra | h <sub>ab,a</sub> | X <sub>a</sub> =XYZ <sub>1a</sub> | Y <sub>a</sub> =XYZ <sub>2a</sub> | Z <sub>a</sub> =XYZ <sub>3a</sub> | x <sub>a</sub> | y <sub>a</sub> | Y <sub>a</sub> /88.59 |
|---------------|---------------|---------|---------|---------|------------|------------|------------|---------------|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------|----------------|-----------------------|
| NCS system    | 50 B50G 0.0   | 1.0     | 1.0     | 1.0     | 62.54      | -96.76     | -21.45     | 99.12         | 193               | 10.74                             | 31.04                             | 52.54                             | 0.1139         | 0.329          | 0.3503                |
|               | 51 B55G 0.0   | 1.0     | 0.9     | 0.8     | 62.91      | -99.44     | -18.08     | 101.09        | 190               | 10.6                              | 31.48                             | 49.84                             | 0.1153         | 0.3424         | 0.3553                |
|               | 52 B60G 0.0   | 1.0     | 0.8     | 0.7     | 63.16      | -102.06    | -14.91     | 103.15        | 188               | 10.4                              | 31.78                             | 47.24                             | 0.1163         | 0.3554         | 0.3588                |
|               | 53 B65G 0.0   | 1.0     | 0.7     | 0.6     | 63.32      | -106.6     | -11.71     | 107.25        | 186               | 9.91                              | 31.98                             | 44.56                             | 0.1146         | 0.3699         | 0.361                 |
|               | 54 B70G 0.0   | 1.0     | 0.6     | 0.5     | 63.48      | -111.91    | -8.24      | 112.22        | 184               | 9.33                              | 32.16                             | 41.73                             | 0.1121         | 0.3864         | 0.363                 |
|               | 55 B75G 0.0   | 1.0     | 0.5     | 0.4     | 63.63      | -116.11    | -4.45      | 116.2         | 182               | 8.91                              | 32.35                             | 38.76                             | 0.1113         | 0.4042         | 0.3651                |
|               | 56 B80G 0.0   | 1.0     | 0.4     | 0.3     | 63.79      | -119.9     | -0.51      | 119.91        | 180               | 8.55                              | 32.54                             | 35.83                             | 0.1111         | 0.4231         | 0.3673                |
|               | 57 B85G 0.0   | 1.0     | 0.3     | 0.2     | 63.92      | -123.03    | 3.69       | 123.1         | 178               | 8.26                              | 32.7                              | 32.82                             | 0.1119         | 0.4433         | 0.3692                |
|               | 58 B90G 0.0   | 1.0     | 0.2     | 0.1     | 64.1       | -125.74    | 9.92       | 126.14        | 175               | 8.04                              | 32.93                             | 28.67                             | 0.1155         | 0.4729         | 0.3717                |
|               | 59 B95G 0.0   | 1.0     | 0.1     | 0.0     | 64.48      | -126.59    | 20.18      | 128.19        | 171               | 8.13                              | 33.4                              | 22.69                             | 0.1266         | 0.5201         | 0.377                 |
|               | 60 G00Y 0.0   | 1.0     | 0.0     | 0.0     | 65.0       | -126.77    | 34.1       | 131.23        | 165               | 8.36                              | 34.0                              | 16.01                             | 0.1431         | 0.5829         | 0.3843                |
|               | 61 G05Y 0.05  | 1.0     | 0.0     | 0.0     | 65.61      | -114.8     | 46.13      | 123.73        | 158               | 10.12                             | 34.82                             | 11.51                             | 0.1792         | 0.6169         | 0.3931                |
|               | 62 G10Y 0.1   | 1.0     | 0.0     | 0.0     | 66.33      | -101.38    | 56.43      | 116.04        | 151               | 12.38                             | 35.75                             | 8.51                              | 0.2186         | 0.6311         | 0.4036                |
|               | 63 G15Y 0.15  | 1.0     | 0.0     | 0.0     | 67.22      | -89.67     | 67.61      | 112.31        | 143               | 14.8                              | 36.92                             | 5.94                              | 0.2567         | 0.6402         | 0.4167                |
|               | 64 G20Y 0.2   | 1.0     | 0.0     | 0.0     | 68.29      | -77.99     | 77.29      | 109.81        | 135               | 17.66                             | 38.36                             | 4.29                              | 0.2928         | 0.6361         | 0.433                 |
|               | 65 G25Y 0.25  | 1.0     | 0.0     | 0.0     | 69.61      | -67.54     | 83.75      | 107.6         | 129               | 20.83                             | 40.2                              | 3.54                              | 0.3226         | 0.6225         | 0.4538                |
|               | 66 G30Y 0.3   | 1.0     | 0.0     | 0.0     | 71.2       | -59.25     | 90.54      | 108.21        | 123               | 24.13                             | 42.48                             | 2.91                              | 0.3471         | 0.611          | 0.4796                |
|               | 67 G35Y 0.35  | 1.0     | 0.0     | 0.0     | 73.03      | -51.62     | 95.1       | 108.21        | 118               | 27.86                             | 45.22                             | 2.71                              | 0.3676         | 0.5966         | 0.5104                |
|               | 68 G40Y 0.4   | 1.0     | 0.0     | 0.0     | 75.09      | -45.3      | 99.65      | 109.46        | 114               | 31.86                             | 48.43                             | 2.58                              | 0.3845         | 0.5844         | 0.5467                |
|               | 69 G45Y 0.45  | 1.0     | 0.0     | 0.0     | 77.34      | -40.26     | 103.87     | 111.4         | 111               | 36.09                             | 52.1                              | 2.53                              | 0.3978         | 0.5743         | 0.5881                |
|               | 70 G50Y 0.5   | 1.0     | 0.0     | 0.0     | 79.64      | -36.31     | 107.58     | 113.55        | 109               | 40.39                             | 56.05                             | 2.56                              | 0.408          | 0.5661         | 0.6327                |
|               | 71 G55Y 0.55  | 1.0     | 0.0     | 0.0     | 81.87      | -33.13     | 110.7      | 115.55        | 107               | 44.66                             | 60.06                             | 2.66                              | 0.4159         | 0.5593         | 0.6779                |
|               | 72 G60Y 0.6   | 1.0     | 0.0     | 0.0     | 83.85      | -30.37     | 113.55     | 117.55        | 105               | 48.67                             | 63.78                             | 2.74                              | 0.4225         | 0.5537         | 0.72                  |
|               | 73 G65Y 0.65  | 1.0     | 0.0     | 0.0     | 85.49      | -27.6      | 116.25     | 119.49        | 103               | 52.35                             | 66.97                             | 2.76                              | 0.4288         | 0.5486         | 0.756                 |
|               | 74 G70Y 0.7   | 1.0     | 0.0     | 0.0     | 86.85      | -24.81     | 118.71     | 121.28        | 102               | 55.72                             | 69.7                              | 2.74                              | 0.4348         | 0.5438         | 0.7867                |
|               | 75 G75Y 0.75  | 1.0     | 0.0     | 0.0     | 87.98      | -21.87     | 120.87     | 122.83        | 100               | 58.9                              | 72.02                             | 2.71                              | 0.4408         | 0.5389         | 0.8129                |
|               | 76 G80Y 0.8   | 1.0     | 0.0     | 0.0     | 88.88      | -18.66     | 122.52     | 123.93        | 99                | 61.91                             | 73.92                             | 2.7                               | 0.4469         | 0.5336         | 0.8344                |
|               | 77 G85Y 0.85  | 1.0     | 0.0     | 0.0     | 89.56      | -15.1      | 123.92     | 124.83        | 97                | 64.72                             | 75.36                             | 2.67                              | 0.4534         | 0.5279         | 0.8507                |
|               | 78 G90Y 0.9   | 1.0     | 0.0     | 0.0     | 90.16      | -11.08     | 124.9      | 125.39        | 95                | 67.67                             | 76.64                             | 2.67                              | 0.4604         | 0.5214         | 0.8651                |
|               | 79 G95Y 0.95  | 1.0     | 0.0     | 0.0     | 90.7       | -6.38      | 124.92     | 125.08        | 93                | 70.93                             | 77.83                             | 2.8                               | 0.468          | 0.5135         | 0.8785                |
|               | 80 Y00R 0.0   | 1.0     | 0.0     | 0.0     | 90.76      | -0.83      | 124.1      | 124.11        | 90                | 73.69                             | 77.96                             | 2.94                              | 0.4767         | 0.5043         | 0.88                  |
|               | 81 9500 1.0   | 1.0     | 1.0     | 1.0     | 18.31      | 0.0        | 0.0        | 0.01          | 0                 | 2.46                              | 2.59                              | 2.82                              | 0.3127         | 0.329          | 0.0292                |
|               | 82 9000 0.944 | 0.944   | 0.944   | 0.944   | 25.26      | 0.0        | 0.0        | 0.01          | 347               | 4.28                              | 4.5                               | 4.9                               | 0.3127         | 0.329          | 0.0508                |
|               | 83 8500 0.889 | 0.889   | 0.889   | 0.889   | 30.78      | 0.0        | 0.0        | 0.01          | 104               | 6.23                              | 6.56                              | 7.14                              | 0.3127         | 0.329          | 0.074                 |
|               | 84 8000 0.833 | 0.833   | 0.833   | 0.833   | 35.53      | 0.0        | 0.0        | 0.01          | 9                 | 8.33                              | 8.77                              | 9.55                              | 0.3127         | 0.329          | 0.099                 |
|               | 85 7500 0.778 | 0.778   | 0.778   | 0.778   | 39.83      | 0.0        | 0.0        | 0.01          | 324               | 10.6                              | 11.15                             | 12.14                             | 0.3127         | 0.329          | 0.1259                |
|               | 86 7000 0.722 | 0.722   | 0.722   | 0.722   | 43.84      | 0.0        | 0.0        | 0.01          | 6                 | 13.05                             | 13.73                             | 14.95                             | 0.3127         | 0.329          | 0.155                 |
|               | 87 6500 0.667 | 0.667   | 0.667   | 0.667   | 47.65      | 0.0        | 0.0        | 0.01          | 162               | 15.7                              | 16.52                             | 17.99                             | 0.3127         | 0.329          | 0.1865                |
|               | 88 6000 0.611 | 0.611   | 0.611   | 0.611   | 51.35      | 0.0        | 0.0        | 0.01          | 166               | 18.6                              | 19.57                             | 21.31                             | 0.3127         | 0.329          | 0.2209                |
|               | 89 5500 0.556 | 0.556   | 0.556   | 0.556   | 54.97      | 0.0        | 0.0        | 0.01          | 11                | 21.77                             | 22.9                              | 24.94                             | 0.3127         | 0.329          | 0.2585                |
|               | 90 5000 0.5   | 0.5     | 0.5     | 0.5     | 58.56      | 0.0        | 0.0        | 0.01          | 21                | 25.24                             | 26.56                             | 28.91                             | 0.3127         | 0.329          | 0.2998                |
|               | 91 4500 0.444 | 0.444   | 0.444   | 0.444   | 62.17      | 0.0        | 0.0        | 0.01          | 101               | 29.08                             | 30.6                              | 33.31                             | 0.3127         | 0.329          | 0.3454                |
|               | 92 4000 0.389 | 0.389   | 0.389   | 0.389   | 65.81      | 0.0        | 0.0        | 0.01          | 153               | 33.34                             | 35.08                             | 38.19                             | 0.3127         | 0.329          | 0.396                 |
|               | 93 3500 0.333 | 0.333   | 0.333   | 0.333   | 69.52      | 0.0        | 0.0        | 0.01          | 100               | 38.08                             | 40.07                             | 43.63                             | 0.3127         | 0.329          | 0.4523                |
|               | 94 3000 0.278 | 0.278   | 0.278   | 0.278   | 73.33      | 0.0        | 0.0        | 0.01          | 300               | 43.41                             | 45.68                             | 49.73                             | 0.3127         | 0.329          | 0.5156                |
|               | 95 2500 0.222 | 0.222   | 0.222   | 0.222   | 77.29      | 0.0        | 0.0        | 0.01          | 162               | 49.43                             | 52.01                             | 56.63                             | 0.3127         | 0.329          | 0.5871                |
|               | 96 2000 0.167 | 0.167   | 0.167   | 0.167   | 81.42      | 0.0        | 0.0        | 0.01          | 154               | 56.3                              | 59.24                             | 64.5                              | 0.3127         | 0.329          | 0.6687                |
|               | 97 1500 0.111 | 0.111   | 0.111   | 0.111   | 85.78      | 0.0        | 0.0        | 0.01          | 165               | 64.2                              | 67.55                             | 73.55                             | 0.3127         | 0.329          | 0.7625                |
|               | 98 1000 0.056 | 0.056   | 0.056   | 0.056   | 90.42      | 0.0        | 0.0        | 0.01          | 132               | 73.38                             | 77.21                             | 84.07                             | 0.3127         | 0.329          | 0.8716                |
|               | 99 0500 0.0   | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01          | 0                 | 84.2                              | 88.59                             | 96.46                             | 0.3127         | 0.329          | 1.0                   |

Siehe Original/Kopie: <http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT> / PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT / PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches Farbsystems NCS00a für Helligkeit  $L^*=00$  von Schwarz für D65

System NCS00a  
 NCS system

**J Gelb**

$LCH^*_a = 90.8 \ 124.1 \ 90$

$LAB^*_a = 90.8 \ -0.8 \ 124.1$

**G Grün**

$LCH^*_a = 65.0 \ 131.3 \ 165$

$LAB^*_a = 65.0 \ -126.8 \ 34.1$

**C\_e Cyan\_e**

$LCH^*_a = 62.5 \ 99.1 \ 193$

$LAB^*_a = 62.5 \ -96.8 \ -21.5$

**B Blau**

$LCH^*_a = 53.8 \ 69.8 \ 249 \ -1.0$

$LAB^*_a = 53.8 \ -24.7 \ -65.2$

**R Rot**

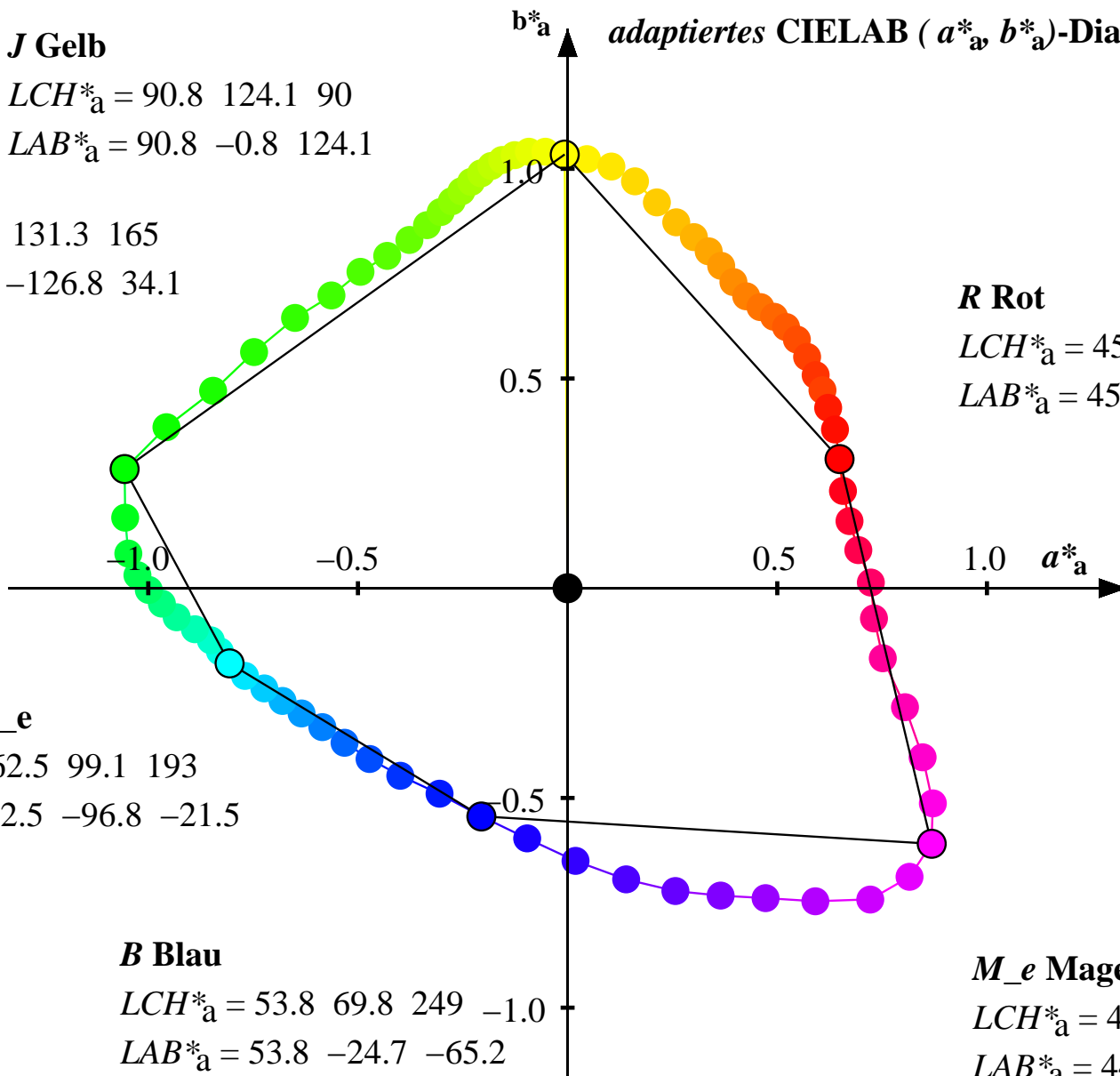
$LCH^*_a = 45.8 \ 86.2 \ 25$

$LAB^*_a = 45.8 \ 77.8 \ 37.0$

**M\_e Magenta\_e**

$LCH^*_a = 44.2 \ 127.2 \ 325$

$LAB^*_a = 44.2 \ 104.1 \ -73.1$



Siehe Original/Kopie: <http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT> /PS  
 Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a0)": Farbmetrische Daten des Natürliches Farbsystems NCS00a für Helligkeit L\*=00 von Schwarz für D65

| System NCS00a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |        |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|----------|----------|----------|--------|--------|----------|--------|
| NCS system    | 00 Y00R | 1.0     | 1.0     | 0.0     | 90.62      | -0.86      | 154.51     | 154.51          | 90       | 73.37    | 77.64    | 0.12   | 0.4855 | 0.5137   | 0.8764 |
|               | 01 Y05R | 1.0     | 0.95    | 0.0     | 89.65      | 5.78       | 153.55     | 153.66          | 88       | 74.57    | 75.55    | 0.07   | 0.4965 | 0.503    | 0.8529 |
|               | 02 Y10R | 1.0     | 0.9     | 0.0     | 87.52      | 12.91      | 150.89     | 151.44          | 85       | 73.57    | 71.07    | -0.12  | 0.5091 | 0.4918   | 0.8022 |
|               | 03 Y15R | 1.0     | 0.85    | 0.0     | 84.22      | 19.97      | 145.21     | 146.57          | 82       | 70.19    | 64.49    | -0.29  | 0.5223 | 0.4799   | 0.728  |
|               | 04 Y20R | 1.0     | 0.8     | 0.0     | 80.47      | 26.48      | 138.75     | 141.25          | 79       | 65.8     | 57.53    | -0.31  | 0.5349 | 0.4677   | 0.6493 |
|               | 05 Y25R | 1.0     | 0.75    | 0.0     | 77.15      | 32.41      | 133.02     | 136.91          | 76       | 62.12    | 51.78    | -0.3   | 0.5469 | 0.4559   | 0.5845 |
|               | 06 Y30R | 1.0     | 0.7     | 0.0     | 74.22      | 37.68      | 127.96     | 133.39          | 74       | 59.0     | 47.04    | -0.37  | 0.5584 | 0.4452   | 0.531  |
|               | 07 Y35R | 1.0     | 0.65    | 0.0     | 71.37      | 42.14      | 123.05     | 130.07          | 71       | 55.83    | 42.73    | -0.46  | 0.5692 | 0.4357   | 0.4823 |
|               | 08 Y40R | 1.0     | 0.6     | 0.0     | 68.66      | 46.07      | 118.38     | 127.03          | 69       | 52.78    | 38.87    | -0.49  | 0.579  | 0.4265   | 0.4388 |
|               | 09 Y45R | 1.0     | 0.55    | 0.0     | 66.22      | 49.88      | 114.17     | 124.59          | 66       | 50.23    | 35.61    | -0.41  | 0.588  | 0.4168   | 0.4019 |
|               | 10 Y50R | 1.0     | 0.5     | 0.0     | 64.02      | 53.91      | 110.38     | 122.82          | 64       | 48.23    | 32.82    | -0.34  | 0.5976 | 0.4067   | 0.3705 |
|               | 11 Y55R | 1.0     | 0.45    | 0.0     | 61.97      | 58.31      | 106.85     | 121.74          | 61       | 46.64    | 30.37    | -0.36  | 0.6086 | 0.3962   | 0.3428 |
|               | 12 Y60R | 1.0     | 0.4     | 0.0     | 60.01      | 62.61      | 103.47     | 120.93          | 59       | 45.18    | 28.14    | -0.42  | 0.6199 | 0.386    | 0.3176 |
|               | 13 Y65R | 1.0     | 0.35    | 0.0     | 58.07      | 66.41      | 100.13     | 120.15          | 56       | 43.62    | 26.04    | -0.45  | 0.6304 | 0.3763   | 0.2939 |
|               | 14 Y70R | 1.0     | 0.3     | 0.0     | 56.1       | 69.88      | 96.73      | 119.33          | 54       | 41.94    | 24.02    | -0.39  | 0.6398 | 0.3663   | 0.2711 |
|               | 15 Y75R | 1.0     | 0.25    | 0.0     | 54.03      | 73.22      | 93.15      | 118.48          | 52       | 40.12    | 22.0     | -0.15  | 0.6475 | 0.3551   | 0.2484 |
|               | 16 Y80R | 1.0     | 0.2     | 0.0     | 51.87      | 76.15      | 87.99      | 116.36          | 49       | 38.11    | 20.03    | 0.1    | 0.6543 | 0.3439   | 0.2261 |
|               | 17 Y85R | 1.0     | 0.25    | 0.0     | 49.6       | 78.56      | 82.34      | 113.81          | 46       | 35.86    | 18.08    | 0.22   | 0.6621 | 0.3338   | 0.2041 |
|               | 18 Y90R | 1.0     | 0.1     | 0.0     | 47.24      | 80.82      | 75.38      | 110.52          | 43       | 33.57    | 16.21    | 0.42   | 0.6687 | 0.3229   | 0.1829 |
|               | 19 Y95R | 1.0     | 0.05    | 0.0     | 44.88      | 83.45      | 64.82      | 105.67          | 38       | 31.46    | 14.46    | 0.88   | 0.6723 | 0.309    | 0.1632 |
|               | 20 R00B | 1.0     | 0.0     | 0.0     | 42.66      | 85.46      | 49.92      | 98.97           | 30       | 29.44    | 12.93    | 1.83   | 0.6661 | 0.2926   | 0.1459 |
|               | 21 R05B | 1.0     | 0.0     | 0.1     | 40.85      | 87.08      | 35.88      | 94.18           | 22       | 27.85    | 11.77    | 3.27   | 0.6494 | 0.2744   | 0.1329 |
|               | 22 R10B | 1.0     | 0.0     | 0.2     | 39.64      | 89.46      | 24.0       | 92.62           | 15       | 27.14    | 11.03    | 5.06   | 0.6277 | 0.2552   | 0.1245 |
|               | 23 R15B | 1.0     | 0.0     | 0.3     | 38.99      | 92.4       | 13.12      | 93.33           | 8        | 27.18    | 10.65    | 7.42   | 0.6006 | 0.2354   | 0.1203 |
|               | 24 R20B | 1.0     | 0.0     | 0.4     | 38.53      | 96.46      | 1.97       | 96.48           | 1        | 27.7     | 10.39    | 10.62  | 0.5687 | 0.2133   | 0.1173 |
|               | 25 R25B | 1.0     | 0.0     | 0.5     | 38.07      | 97.57      | -9.94      | 98.07           | 354      | 27.48    | 10.13    | 14.94  | 0.5229 | 0.1927   | 0.1143 |
|               | 26 R30B | 1.0     | 0.0     | 0.6     | 37.94      | 100.35     | -22.67     | 102.88          | 347      | 28.03    | 10.05    | 21.06  | 0.4739 | 0.17     | 0.1135 |
|               | 27 R35B | 1.0     | 0.0     | 0.7     | 38.44      | 106.93     | -37.8      | 113.42          | 341      | 30.3     | 10.34    | 31.07  | 0.4226 | 0.1441   | 0.1167 |
|               | 28 R40B | 1.0     | 0.0     | 0.8     | 39.23      | 112.0      | -53.01     | 123.92          | 335      | 32.61    | 10.79    | 44.33  | 0.3717 | 0.123    | 0.1218 |
|               | 29 R45B | 1.0     | 0.0     | 0.9     | 40.01      | 114.72     | -66.57     | 132.65          | 330      | 34.34    | 11.25    | 59.1   | 0.328  | 0.1075   | 0.127  |
|               | 30 R50B | 1.0     | 0.0     | 1.0     | 40.83      | 114.01     | -78.48     | 138.42          | 325      | 35.17    | 11.76    | 74.8   | 0.2889 | 0.0966   | 0.1327 |
|               | 31 R55B | 0.9     | 0.0     | 1.0     | 41.73      | 107.06     | -88.06     | 138.63          | 321      | 34.28    | 12.33    | 89.88  | 0.2512 | 0.0903   | 0.1392 |
|               | 32 R60B | 0.8     | 0.0     | 1.0     | 42.72      | 94.86      | -94.55     | 133.94          | 315      | 32.03    | 12.97    | 102.17 | 0.2177 | 0.0881   | 0.1464 |
|               | 33 R65B | 0.7     | 0.0     | 1.0     | 43.64      | 77.79      | -94.96     | 122.76          | 309      | 28.55    | 13.59    | 105.33 | 0.1936 | 0.0922   | 0.1534 |
|               | 34 R70B | 0.6     | 0.0     | 1.0     | 44.64      | 62.33      | -93.87     | 112.69          | 304      | 25.8     | 14.29    | 106.36 | 0.1761 | 0.0976   | 0.1613 |
|               | 35 R75B | 0.5     | 0.0     | 1.0     | 45.66      | 48.28      | -92.99     | 104.79          | 297      | 23.55    | 15.02    | 107.75 | 0.1609 | 0.1026   | 0.1695 |
|               | 36 R80B | 0.4     | 0.0     | 1.0     | 46.58      | 34.03      | -91.51     | 97.64           | 290      | 21.31    | 15.7     | 107.93 | 0.147  | 0.1083   | 0.1772 |
|               | 37 R85B | 0.3     | 0.0     | 1.0     | 47.46      | 18.48      | -87.94     | 89.87           | 282      | 18.93    | 16.38    | 104.64 | 0.1353 | 0.117    | 0.1848 |
|               | 38 R90B | 0.2     | 0.0     | 1.0     | 48.61      | 2.45       | -82.35     | 82.4            | 272      | 16.86    | 17.28    | 99.01  | 0.1266 | 0.1298   | 0.1951 |
|               | 39 R95B | 0.1     | 0.0     | 1.0     | 50.09      | -12.93     | -75.54     | 76.65           | 260      | 15.29    | 18.49    | 92.62  | 0.121  | 0.1463   | 0.2088 |
|               | 40 B00G | 0.0     | 0.0     | 1.0     | 51.62      | -27.44     | -68.85     | 74.13           | 248      | 13.99    | 19.81    | 86.81  | 0.116  | 0.1642   | 0.2236 |
|               | 41 B05G | 0.0     | 0.1     | 1.0     | 53.02      | -40.85     | -62.11     | 74.35           | 237      | 12.85    | 21.06    | 80.86  | 0.112  | 0.1835   | 0.2378 |
|               | 42 B10G | 0.0     | 0.2     | 1.0     | 54.3       | -53.33     | -56.61     | 77.79           | 227      | 11.83    | 22.26    | 76.53  | 0.107  | 0.2012   | 0.2512 |
|               | 43 B15G | 0.0     | 0.3     | 1.0     | 55.45      | -63.27     | -51.51     | 81.6            | 219      | 11.14    | 23.37    | 72.58  | 0.104  | 0.2182   | 0.2638 |
|               | 44 B20G | 0.0     | 0.4     | 1.0     | 56.52      | -71.18     | -46.64     | 85.11           | 213      | 10.7     | 24.44    | 68.88  | 0.1028 | 0.2349   | 0.2758 |
|               | 45 B25G | 0.0     | 0.5     | 1.0     | 57.49      | -78.29     | -42.01     | 88.86           | 208      | 10.31    | 25.43    | 65.37  | 0.102  | 0.2515   | 0.287  |
|               | 46 B30G | 0.0     | 0.6     | 1.0     | 58.34      | -84.95     | -37.81     | 92.99           | 204      | 9.93     | 26.32    | 62.25  | 0.1008 | 0.2672   | 0.2971 |
|               | 47 B35G | 0.0     | 0.7     | 1.0     | 59.12      | -91.05     | -34.01     | 97.21           | 200      | 9.58     | 27.16    | 59.53  | 0.0996 | 0.2821   | 0.3065 |
|               | 48 B40G | 0.0     | 0.8     | 1.0     | 59.83      | -96.97     | -30.33     | 101.62          | 197      | 9.24     | 27.94    | 56.89  | 0.0982 | 0.297    | 0.3153 |
|               | 49 B45G | 0.0     | 0.9     | 1.0     | 60.49      | -103.22    | -26.51     | 106.58          | 194      | 8.83     | 28.67    | 54.09  | 0.0964 | 0.313    | 0.3237 |

n = 28.67 / (28.67 - 2.59) = 1.03

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a0)": Farbmetrische Daten des Natürliches Farbsystems NCS00a0 für Helligkeit L\*=00 von Schwarz für D65

| System NCS00a0 | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,ab,ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa    | ya     | Ya/88.59 |        |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------------|----------|----------|----------|-------|--------|----------|--------|
| NCS system     | 50 B50G | 0.0     | 1.0     | 1.0     | 61.05      | -108.21    | -22.7      | 110.57                | 192      | 8.53     | 29.31    | 51.22 | 0.0958 | 0.329    | 0.3308 |
|                | 51 B55G | 0.0     | 1.0     | 0.9     | 61.45      | -111.23    | -19.14     | 112.87                | 190      | 8.38     | 29.76    | 48.44 | 0.0968 | 0.3437   | 0.3359 |
|                | 52 B60G | 0.0     | 1.0     | 0.8     | 61.72      | -114.23    | -15.8      | 115.33                | 188      | 8.18     | 30.07    | 45.76 | 0.0974 | 0.358    | 0.3395 |
|                | 53 B65G | 0.0     | 1.0     | 0.7     | 61.89      | -119.64    | -12.43     | 120.3                 | 186      | 7.67     | 30.27    | 42.99 | 0.0948 | 0.374    | 0.3417 |
|                | 54 B70G | 0.0     | 1.0     | 0.6     | 62.05      | -126.07    | -8.76      | 126.39                | 184      | 7.08     | 30.46    | 40.09 | 0.0912 | 0.3924   | 0.3439 |
|                | 55 B75G | 0.0     | 1.0     | 0.5     | 62.21      | -131.19    | -4.74      | 131.28                | 182      | 6.64     | 30.65    | 37.03 | 0.0893 | 0.4124   | 0.346  |
|                | 56 B80G | 0.0     | 1.0     | 0.4     | 62.38      | -135.83    | -0.54      | 135.84                | 180      | 6.27     | 30.85    | 34.01 | 0.0881 | 0.4338   | 0.3483 |
|                | 57 B85G | 0.0     | 1.0     | 0.3     | 62.53      | -139.7     | 3.95       | 139.76                | 178      | 5.97     | 31.02    | 30.91 | 0.0879 | 0.4569   | 0.3502 |
|                | 58 B90G | 0.0     | 1.0     | 0.2     | 62.72      | -143.0     | 10.66      | 143.41                | 176      | 5.75     | 31.25    | 26.63 | 0.0904 | 0.4912   | 0.3528 |
|                | 59 B95G | 0.0     | 1.0     | 0.1     | 63.13      | -143.73    | 21.85      | 145.39                | 171      | 5.84     | 31.74    | 20.47 | 0.1006 | 0.5467   | 0.3583 |
|                | 60 G00Y | 0.0     | 1.0     | 0.0     | 63.67      | -143.48    | 37.43      | 148.3                 | 165      | 6.08     | 32.4     | 13.59 | 0.1167 | 0.6224   | 0.3658 |
|                | 61 G05Y | 0.05    | 1.0     | 0.0     | 64.33      | -128.13    | 51.51      | 138.11                | 158      | 7.89     | 33.2     | 8.96  | 0.1576 | 0.6635   | 0.3748 |
|                | 62 G10Y | 0.1     | 1.0     | 0.0     | 65.09      | -111.74    | 64.28      | 128.92                | 150      | 10.22    | 34.16    | 5.86  | 0.2034 | 0.6799   | 0.3856 |
|                | 63 G15Y | 0.15    | 1.0     | 0.0     | 66.03      | -97.86     | 79.59      | 126.14                | 141      | 12.71    | 35.36    | 3.22  | 0.2478 | 0.6894   | 0.3992 |
|                | 64 G20Y | 0.2     | 1.0     | 0.0     | 67.16      | -84.38     | 95.32      | 127.3                 | 132      | 15.65    | 36.85    | 1.51  | 0.2898 | 0.6822   | 0.416  |
|                | 65 G25Y | 0.25    | 1.0     | 0.0     | 68.57      | -72.52     | 107.53     | 129.7                 | 124      | 18.93    | 38.75    | 0.75  | 0.324  | 0.6632   | 0.4374 |
|                | 66 G30Y | 0.3     | 1.0     | 0.0     | 70.24      | -63.22     | 119.73     | 135.4                 | 118      | 22.33    | 41.1     | 0.1   | 0.3515 | 0.647    | 0.4639 |
|                | 67 G35Y | 0.35    | 1.0     | 0.0     | 72.17      | -54.77     | 124.43     | 135.95                | 114      | 26.16    | 43.91    | -0.1  | 0.3739 | 0.6276   | 0.4957 |
|                | 68 G40Y | 0.4     | 1.0     | 0.0     | 74.33      | -47.83     | 128.15     | 136.79                | 110      | 30.29    | 47.22    | -0.24 | 0.392  | 0.6112   | 0.533  |
|                | 69 G45Y | 0.45    | 1.0     | 0.0     | 76.68      | -42.32     | 132.21     | 138.82                | 108      | 34.64    | 51.0     | -0.29 | 0.4059 | 0.5976   | 0.5757 |
|                | 70 G50Y | 0.5     | 1.0     | 0.0     | 79.08      | -38.03     | 136.35     | 141.55                | 106      | 39.07    | 55.07    | -0.25 | 0.4162 | 0.5866   | 0.6216 |
|                | 71 G55Y | 0.55    | 1.0     | 0.0     | 81.4       | -34.59     | 140.35     | 144.55                | 104      | 43.47    | 59.2     | -0.15 | 0.424  | 0.5775   | 0.6683 |
|                | 72 G60Y | 0.6     | 1.0     | 0.0     | 83.46      | -31.64     | 143.9      | 147.34                | 102      | 47.6     | 63.04    | -0.07 | 0.4305 | 0.5702   | 0.7115 |
|                | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.16      | -28.69     | 146.83     | 149.61                | 101      | 51.39    | 66.32    | -0.05 | 0.4368 | 0.5637   | 0.7487 |
|                | 74 G70Y | 0.7     | 1.0     | 0.0     | 86.57      | -25.76     | 149.25     | 151.46                | 100      | 54.87    | 69.13    | -0.07 | 0.4428 | 0.5579   | 0.7803 |
|                | 75 G75Y | 0.75    | 1.0     | 0.0     | 87.74      | -22.67     | 151.27     | 152.96                | 99       | 58.14    | 71.52    | -0.1  | 0.4488 | 0.552    | 0.8073 |
|                | 76 G80Y | 0.8     | 1.0     | 0.0     | 88.68      | -19.33     | 152.89     | 154.11                | 97       | 61.24    | 73.48    | -0.11 | 0.455  | 0.5459   | 0.8294 |
|                | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.38      | -15.63     | 154.1      | 154.89                | 96       | 64.14    | 74.96    | -0.14 | 0.4616 | 0.5395   | 0.8462 |
|                | 78 G90Y | 0.9     | 1.0     | 0.0     | 89.99      | -11.46     | 155.16     | 155.58                | 94       | 67.17    | 76.28    | -0.14 | 0.4687 | 0.5323   | 0.8611 |
|                | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.55      | -6.59      | 156.13     | 156.27                | 92       | 70.53    | 77.5     | -0.01 | 0.4765 | 0.5236   | 0.8749 |
|                | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.62      | -0.86      | 154.51     | 154.51                | 90       | 73.37    | 77.64    | 0.12  | 0.4855 | 0.5137   | 0.8764 |
|                | 81 9500 | 1.0     | 1.0     | 1.0     | 0.0        | 0.0        | 0.0        | 0.01                  | 0        | 0.0      | 0.0      | 0.0   | 0.0    | 0.0      | 0.0    |
|                | 82 9000 | 0.944   | 0.944   | 0.944   | 15.33      | 0.0        | 0.0        | 0.01                  | 280      | 1.87     | 1.97     | 2.15  | 0.3127 | 0.329    | 0.0222 |
|                | 83 8500 | 0.889   | 0.889   | 0.889   | 23.96      | 0.0        | 0.0        | 0.01                  | 80       | 3.89     | 4.09     | 4.45  | 0.3127 | 0.329    | 0.0462 |
|                | 84 8000 | 0.833   | 0.833   | 0.833   | 30.31      | 0.0        | 0.0        | 0.01                  | 0        | 6.05     | 6.36     | 6.93  | 0.3127 | 0.329    | 0.0718 |
|                | 85 7500 | 0.778   | 0.778   | 0.778   | 35.64      | 0.0        | 0.0        | 0.01                  | 280      | 8.38     | 8.82     | 9.6   | 0.3127 | 0.329    | 0.0996 |
|                | 86 7000 | 0.722   | 0.722   | 0.722   | 40.37      | 0.0        | 0.0        | 0.01                  | 0        | 10.91    | 11.48    | 12.49 | 0.3127 | 0.329    | 0.1295 |
|                | 87 6500 | 0.667   | 0.667   | 0.667   | 44.73      | 0.0        | 0.0        | 0.01                  | 158      | 13.64    | 14.35    | 15.63 | 0.3127 | 0.329    | 0.162  |
|                | 88 6000 | 0.611   | 0.611   | 0.611   | 48.87      | 0.0        | 0.0        | 0.01                  | 158      | 16.62    | 17.49    | 19.05 | 0.3127 | 0.329    | 0.1975 |
|                | 89 5500 | 0.556   | 0.556   | 0.556   | 52.87      | 0.0        | 0.0        | 0.01                  | 0        | 19.89    | 20.93    | 22.79 | 0.3127 | 0.329    | 0.2362 |
|                | 90 5000 | 0.5     | 0.5     | 0.5     | 56.77      | 0.0        | 0.0        | 0.01                  | 0        | 23.47    | 24.69    | 26.88 | 0.3127 | 0.329    | 0.2787 |
|                | 91 4500 | 0.444   | 0.444   | 0.444   | 60.65      | 0.0        | 0.0        | 0.01                  | 0        | 27.42    | 28.85    | 31.41 | 0.3127 | 0.329    | 0.3257 |
|                | 92 4000 | 0.389   | 0.389   | 0.389   | 64.54      | 0.0        | 0.0        | 0.01                  | 158      | 31.81    | 33.47    | 36.44 | 0.3127 | 0.329    | 0.3778 |
|                | 93 3500 | 0.333   | 0.333   | 0.333   | 68.47      | 0.0        | 0.0        | 0.01                  | 158      | 36.69    | 38.61    | 42.04 | 0.3127 | 0.329    | 0.4358 |
|                | 94 3000 | 0.278   | 0.278   | 0.278   | 72.48      | 0.0        | 0.0        | 0.01                  | 158      | 42.18    | 44.38    | 48.33 | 0.3127 | 0.329    | 0.501  |
|                | 95 2500 | 0.222   | 0.222   | 0.222   | 76.62      | 0.0        | 0.0        | 0.01                  | 158      | 48.38    | 50.91    | 55.43 | 0.3127 | 0.329    | 0.5746 |
|                | 96 2000 | 0.167   | 0.167   | 0.167   | 80.94      | 0.0        | 0.0        | 0.01                  | 158      | 55.46    | 58.36    | 63.54 | 0.3127 | 0.329    | 0.6587 |
|                | 97 1500 | 0.111   | 0.111   | 0.111   | 85.46      | 0.0        | 0.0        | 0.01                  | 172      | 63.6     | 66.91    | 72.86 | 0.3127 | 0.329    | 0.7553 |
|                | 98 1000 | 0.056   | 0.056   | 0.056   | 90.26      | 0.0        | 0.0        | 0.01                  | 88       | 73.06    | 76.87    | 83.7  | 0.3127 | 0.329    | 0.8677 |
|                | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01                  | 0        | 84.2     | 88.59    | 96.46 | 0.3127 | 0.329    | 1.0    |

n = 88.59 / (88.59 - 2.59) = 1.03

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a0)": Farbmetrische Daten des Natürliches Farbsystems NCS00a0 für Helligkeit  $L^*=00$  von Schwarz für D65

System NCS00a0  
 NCS system

**J Gelb**

$LCH^*_a = 90.6 \ 154.5 \ 90$

$LAB^*_a = 90.6 \ -0.9 \ 154.5$

**G Grün**

$LCH^*_a = 63.7 \ 148.3 \ 165$

$LAB^*_a = 63.7 \ -143.5 \ 37.4$

**C\_e Cyan\_e**

$LCH^*_a = 61.1 \ 110.6 \ 192$

$LAB^*_a = 61.1 \ -108.2 \ -22.7$

**B Blau**

$LCH^*_a = 51.6 \ 74.1 \ 248 \ -1.0$

$LAB^*_a = 51.6 \ -27.4 \ -68.9$

**R Rot**

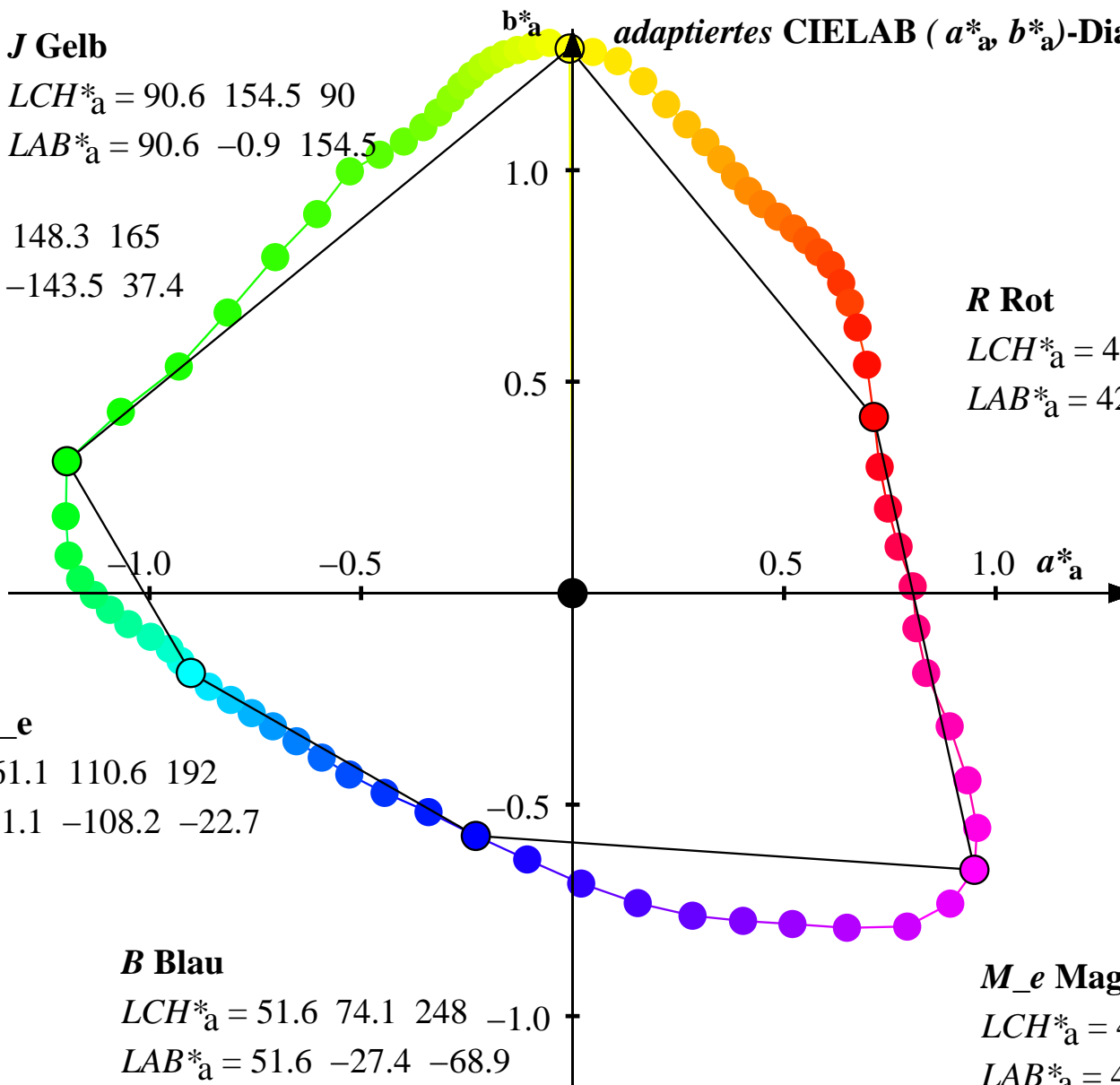
$LCH^*_a = 42.7 \ 99.0 \ 30$

$LAB^*_a = 42.7 \ 85.5 \ 49.9$

**M\_e Magenta\_e**

$LCH^*_a = 40.8 \ 138.4 \ 325$

$LAB^*_a = 40.8 \ 114.0 \ -78.5$



Siehe Original/Kopie: <http://web.me.com/Klaus.richter/JG25/JG25L0NA.TXT> /.PS  
 Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS00a für Helligkeit L\*=00 von Schwarz für D65

Table with columns: System NLS00a, Farbe, r=olv\*1, g=olv\*2, b=olv\*3, L\*a=LAB\*1a, a\*a=LAB\*2a, b\*a=LAB\*3a, C\*ab,a=LAB\*ab,a, Xa=XYZ1a, Ya=XYZ2a, Za=XYZ3a, xa, ya, Ya/88.59. Rows include NCS system (00-19), D65-Reflexion (Y\_N = 0.0, L\*\_N = 0.0), and various color patches (R00B-R95B, B00G-B45G).

n = 28.67 / (28.67 + 0.0) = 1.0

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS Anwendung für Messung von Drucker- oder Monitorsystemen TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS00a für Helligkeit L\*=00 von Schwarz für D65

| System NLS00a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system    | 50 B50G | 0.0     | 1.0     | 1.0     | 61.05      | -108.21    | -22.7      | 110.57          | 192    | 8.53     | 29.31    | 51.22    | 0.0958 | 0.329  | 0.3308   |
|               | 51 B55G | 0.0     | 1.0     | 0.9     | 61.45      | -111.23    | -19.14     | 112.87          | 190    | 8.38     | 29.76    | 48.44    | 0.0968 | 0.3437 | 0.3359   |
|               | 52 B60G | 0.0     | 1.0     | 0.8     | 61.72      | -114.23    | -15.8      | 115.33          | 188    | 8.18     | 30.07    | 45.76    | 0.0974 | 0.358  | 0.3395   |
|               | 53 B65G | 0.0     | 1.0     | 0.7     | 61.89      | -119.64    | -12.43     | 120.3           | 186    | 7.67     | 30.27    | 42.99    | 0.0948 | 0.374  | 0.3417   |
|               | 54 B70G | 0.0     | 1.0     | 0.6     | 62.05      | -126.07    | -8.76      | 126.39          | 184    | 7.08     | 30.46    | 40.09    | 0.0912 | 0.3924 | 0.3439   |
|               | 55 B75G | 0.0     | 1.0     | 0.5     | 62.21      | -131.19    | -4.74      | 131.28          | 182    | 6.64     | 30.65    | 37.03    | 0.0893 | 0.4124 | 0.346    |
|               | 56 B80G | 0.0     | 1.0     | 0.4     | 62.38      | -135.83    | -0.54      | 135.84          | 180    | 6.27     | 30.85    | 34.01    | 0.0881 | 0.4338 | 0.3483   |
|               | 57 B85G | 0.0     | 1.0     | 0.3     | 62.53      | -139.7     | 3.95       | 139.76          | 178    | 5.97     | 31.02    | 30.91    | 0.0879 | 0.4569 | 0.3502   |
|               | 58 B90G | 0.0     | 1.0     | 0.2     | 62.72      | -143.0     | 10.66      | 143.41          | 176    | 5.75     | 31.25    | 26.63    | 0.0904 | 0.4912 | 0.3528   |
|               | 59 B95G | 0.0     | 1.0     | 0.1     | 63.13      | -143.73    | 21.85      | 145.39          | 171    | 5.84     | 31.74    | 20.47    | 0.1006 | 0.5467 | 0.3583   |
|               | 60 G00Y | 0.0     | 1.0     | 0.0     | 63.67      | -143.48    | 37.43      | 148.3           | 165    | 6.08     | 32.4     | 13.59    | 0.1167 | 0.6224 | 0.3658   |
|               | 61 G05Y | 0.05    | 1.0     | 0.0     | 64.33      | -128.13    | 51.51      | 138.11          | 158    | 7.89     | 33.2     | 8.96     | 0.1576 | 0.6635 | 0.3748   |
|               | 62 G10Y | 0.1     | 1.0     | 0.0     | 65.09      | -111.74    | 64.28      | 128.92          | 150    | 10.22    | 34.16    | 5.86     | 0.2034 | 0.6799 | 0.3856   |
|               | 63 G15Y | 0.15    | 1.0     | 0.0     | 66.03      | -97.86     | 79.59      | 126.14          | 141    | 12.71    | 35.36    | 3.22     | 0.2478 | 0.6894 | 0.3992   |
|               | 64 G20Y | 0.2     | 1.0     | 0.0     | 67.16      | -84.38     | 95.32      | 127.3           | 132    | 15.65    | 36.85    | 1.51     | 0.2898 | 0.6822 | 0.416    |
|               | 65 G25Y | 0.25    | 1.0     | 0.0     | 68.57      | -72.52     | 107.53     | 129.7           | 124    | 18.93    | 38.75    | 0.75     | 0.324  | 0.6632 | 0.4374   |
|               | 66 G30Y | 0.3     | 1.0     | 0.0     | 70.24      | -63.22     | 119.73     | 135.4           | 118    | 22.33    | 41.1     | 0.1      | 0.3515 | 0.647  | 0.4639   |
|               | 67 G35Y | 0.35    | 1.0     | 0.0     | 72.17      | -54.77     | 124.43     | 135.95          | 114    | 26.16    | 43.91    | -0.1     | 0.3739 | 0.6276 | 0.4957   |
|               | 68 G40Y | 0.4     | 1.0     | 0.0     | 74.33      | -47.83     | 128.15     | 136.79          | 110    | 30.29    | 47.22    | -0.24    | 0.392  | 0.6112 | 0.533    |
|               | 69 G45Y | 0.45    | 1.0     | 0.0     | 76.68      | -42.32     | 132.21     | 138.82          | 108    | 34.64    | 51.0     | -0.29    | 0.4059 | 0.5976 | 0.5757   |
|               | 70 G50Y | 0.5     | 1.0     | 0.0     | 79.08      | -38.03     | 136.35     | 141.55          | 106    | 39.07    | 55.07    | -0.25    | 0.4162 | 0.5866 | 0.6216   |
|               | 71 G55Y | 0.55    | 1.0     | 0.0     | 81.4       | -34.59     | 140.35     | 144.55          | 104    | 43.47    | 59.2     | -0.15    | 0.424  | 0.5775 | 0.6683   |
|               | 72 G60Y | 0.6     | 1.0     | 0.0     | 83.46      | -31.64     | 143.9      | 147.34          | 102    | 47.6     | 63.04    | -0.07    | 0.4305 | 0.5702 | 0.7115   |
|               | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.16      | -28.69     | 146.83     | 149.61          | 101    | 51.39    | 66.32    | -0.05    | 0.4368 | 0.5637 | 0.7487   |
|               | 74 G70Y | 0.7     | 1.0     | 0.0     | 86.57      | -25.76     | 149.25     | 151.46          | 100    | 54.87    | 69.13    | -0.07    | 0.4428 | 0.5579 | 0.7803   |
|               | 75 G75Y | 0.75    | 1.0     | 0.0     | 87.74      | -22.67     | 151.27     | 152.96          | 99     | 58.14    | 71.52    | -0.1     | 0.4488 | 0.552  | 0.8073   |
|               | 76 G80Y | 0.8     | 1.0     | 0.0     | 88.68      | -19.33     | 152.89     | 154.11          | 97     | 61.24    | 73.48    | -0.11    | 0.455  | 0.5459 | 0.8294   |
|               | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.38      | -15.63     | 154.1      | 154.89          | 96     | 64.14    | 74.96    | -0.14    | 0.4616 | 0.5395 | 0.8462   |
|               | 78 G90Y | 0.9     | 1.0     | 0.0     | 89.99      | -11.46     | 155.16     | 155.58          | 94     | 67.17    | 76.28    | -0.14    | 0.4687 | 0.5323 | 0.8611   |
|               | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.55      | -6.59      | 156.13     | 156.27          | 92     | 70.53    | 77.5     | -0.01    | 0.4765 | 0.5236 | 0.8749   |
|               | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.62      | -0.86      | 154.51     | 154.51          | 90     | 73.37    | 77.64    | 0.12     | 0.4855 | 0.5137 | 0.8764   |
|               | 81 9500 | 1.0     | 1.0     | 1.0     | 0.0        | 0.0        | 0.0        | 0.01            | 0      | 0.0      | 0.0      | 0.0      | 0.0    | 0.0    | 0.0      |
|               | 82 9000 | 0.944   | 0.944   | 0.944   | 15.33      | 0.0        | 0.0        | 0.01            | 280    | 1.87     | 1.97     | 2.15     | 0.3127 | 0.329  | 0.0222   |
|               | 83 8500 | 0.889   | 0.889   | 0.889   | 23.96      | 0.0        | 0.0        | 0.01            | 80     | 3.89     | 4.09     | 4.45     | 0.3127 | 0.329  | 0.0462   |
|               | 84 8000 | 0.833   | 0.833   | 0.833   | 30.31      | 0.0        | 0.0        | 0.01            | 0      | 6.05     | 6.36     | 6.93     | 0.3127 | 0.329  | 0.0718   |
|               | 85 7500 | 0.778   | 0.778   | 0.778   | 35.64      | 0.0        | 0.0        | 0.01            | 280    | 8.38     | 8.82     | 9.6      | 0.3127 | 0.329  | 0.0996   |
|               | 86 7000 | 0.722   | 0.722   | 0.722   | 40.37      | 0.0        | 0.0        | 0.01            | 0      | 10.91    | 11.48    | 12.49    | 0.3127 | 0.329  | 0.1295   |
|               | 87 6500 | 0.667   | 0.667   | 0.667   | 44.73      | 0.0        | 0.0        | 0.01            | 158    | 13.64    | 14.35    | 15.63    | 0.3127 | 0.329  | 0.162    |
|               | 88 6000 | 0.611   | 0.611   | 0.611   | 48.87      | 0.0        | 0.0        | 0.01            | 158    | 16.62    | 17.49    | 19.05    | 0.3127 | 0.329  | 0.1975   |
|               | 89 5500 | 0.556   | 0.556   | 0.556   | 52.87      | 0.0        | 0.0        | 0.01            | 0      | 19.89    | 20.93    | 22.79    | 0.3127 | 0.329  | 0.2362   |
|               | 90 5000 | 0.5     | 0.5     | 0.5     | 56.77      | 0.0        | 0.0        | 0.01            | 0      | 23.47    | 24.69    | 26.88    | 0.3127 | 0.329  | 0.2787   |
|               | 91 4500 | 0.444   | 0.444   | 0.444   | 60.65      | 0.0        | 0.0        | 0.01            | 0      | 27.42    | 28.85    | 31.41    | 0.3127 | 0.329  | 0.3257   |
|               | 92 4000 | 0.389   | 0.389   | 0.389   | 64.54      | 0.0        | 0.0        | 0.01            | 158    | 31.81    | 33.47    | 36.44    | 0.3127 | 0.329  | 0.3778   |
|               | 93 3500 | 0.333   | 0.333   | 0.333   | 68.47      | 0.0        | 0.0        | 0.01            | 158    | 36.69    | 38.61    | 42.04    | 0.3127 | 0.329  | 0.4358   |
|               | 94 3000 | 0.278   | 0.278   | 0.278   | 72.48      | 0.0        | 0.0        | 0.01            | 158    | 42.18    | 44.38    | 48.33    | 0.3127 | 0.329  | 0.501    |
|               | 95 2500 | 0.222   | 0.222   | 0.222   | 76.62      | 0.0        | 0.0        | 0.01            | 158    | 48.38    | 50.91    | 55.43    | 0.3127 | 0.329  | 0.5746   |
|               | 96 2000 | 0.167   | 0.167   | 0.167   | 80.94      | 0.0        | 0.0        | 0.01            | 158    | 55.46    | 58.36    | 63.54    | 0.3127 | 0.329  | 0.6587   |
|               | 97 1500 | 0.111   | 0.111   | 0.111   | 85.46      | 0.0        | 0.0        | 0.01            | 172    | 63.6     | 66.91    | 72.86    | 0.3127 | 0.329  | 0.7553   |
|               | 98 1000 | 0.056   | 0.056   | 0.056   | 90.26      | 0.0        | 0.0        | 0.01            | 88     | 73.06    | 76.87    | 83.7     | 0.3127 | 0.329  | 0.8677   |
|               | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 0      | 84.2     | 88.59    | 96.46    | 0.3127 | 0.329  | 1.0      |

n = 88.59 / (88.59 + 0.0) = 1.0

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS00a für Helligkeit  $L^*=00$  von Schwarz für D65

System NLS00a  
 NCS system

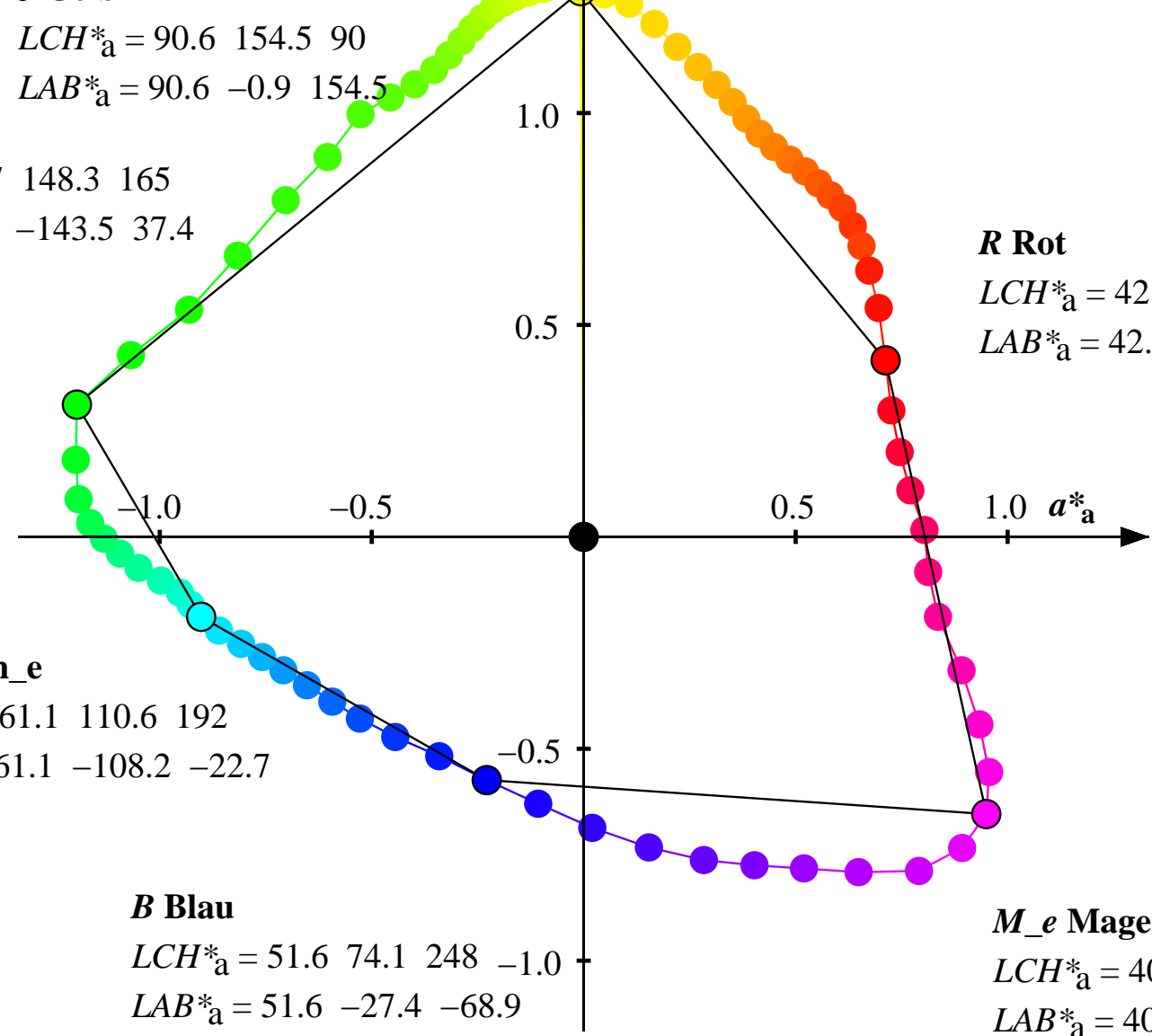
**J Gelb**

D65-Reflexion:  $LCH^*_a = 90.6 \ 154.5 \ 90$   
 $Y_N = 0.0$   
 $L^*_N = 0.0$   
 $LAB^*_a = 90.6 \ -0.9 \ 154.5$

**G Grün**

$LCH^*_a = 63.7 \ 148.3 \ 165$   
 $LAB^*_a = 63.7 \ -143.5 \ 37.4$

*adaptiertes CIELAB ( $a^*_a$ ,  $b^*_a$ )-Diagramm*



**R Rot**

$LCH^*_a = 42.7 \ 99.0 \ 30$   
 $LAB^*_a = 42.7 \ 85.5 \ 49.9$

**C\_e Cyan\_e**

$LCH^*_a = 61.1 \ 110.6 \ 192$   
 $LAB^*_a = 61.1 \ -108.2 \ -22.7$

**B Blau**

$LCH^*_a = 51.6 \ 74.1 \ 248 \ -1.0$   
 $LAB^*_a = 51.6 \ -27.4 \ -68.9$

**M\_e Magenta\_e**

$LCH^*_a = 40.8 \ 138.4 \ 325$   
 $LAB^*_a = 40.8 \ 114.0 \ -78.5$

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 Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS06a für Helligkeit L\*=06 von Schwarz für D65

| System NLS06a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,ab,ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |        |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------------|----------|----------|----------|--------|--------|----------|--------|
| NCS system     | 00 Y00R | 1.0     | 1.0     | 0.0     | 90.65      | -0.85      | 144.77     | 144.77                | 90       | 73.45    | 77.72    | 0.81   | 0.4833 | 0.5114   | 0.8773 |
|                | 01 Y05R | 1.0     | 0.95    | 0.0     | 89.7       | 5.73       | 143.82     | 143.94                | 88       | 74.64    | 75.65    | 0.76   | 0.4942 | 0.5008   | 0.8539 |
|                | 02 Y10R | 1.0     | 0.9     | 0.0     | 87.58      | 12.81      | 142.99     | 143.56                | 85       | 73.65    | 71.19    | 0.56   | 0.5065 | 0.4896   | 0.8036 |
| D65-Reflexion: | 03 Y15R | 1.0     | 0.85    | 0.0     | 84.31      | 19.8       | 139.77     | 141.16                | 82       | 70.29    | 64.66    | 0.39   | 0.5193 | 0.4778   | 0.7299 |
| YN = 0.63      | 04 Y20R | 1.0     | 0.8     | 0.0     | 80.6       | 26.24      | 133.72     | 136.27                | 79       | 65.93    | 57.75    | 0.37   | 0.5315 | 0.4655   | 0.6518 |
| L*N = 5.69     | 05 Y25R | 1.0     | 0.75    | 0.0     | 77.31      | 32.1       | 127.91     | 131.88                | 76       | 62.28    | 52.04    | 0.38   | 0.543  | 0.4537   | 0.5875 |
|                | 06 Y30R | 1.0     | 0.7     | 0.0     | 74.4       | 37.29      | 123.85     | 129.34                | 73       | 59.18    | 47.34    | 0.31   | 0.554  | 0.4431   | 0.5343 |
|                | 07 Y35R | 1.0     | 0.65    | 0.0     | 71.59      | 41.69      | 120.34     | 127.35                | 71       | 56.03    | 43.06    | 0.22   | 0.5642 | 0.4336   | 0.486  |
|                | 08 Y40R | 1.0     | 0.6     | 0.0     | 68.92      | 45.55      | 116.14     | 124.75                | 69       | 53.0     | 39.23    | 0.19   | 0.5735 | 0.4245   | 0.4428 |
|                | 09 Y45R | 1.0     | 0.55    | 0.0     | 66.51      | 49.28      | 110.77     | 121.24                | 66       | 50.47    | 35.98    | 0.27   | 0.582  | 0.4149   | 0.4062 |
|                | 10 Y50R | 1.0     | 0.5     | 0.0     | 64.34      | 53.23      | 106.04     | 118.65                | 63       | 48.49    | 33.22    | 0.34   | 0.5909 | 0.4049   | 0.375  |
|                | 11 Y55R | 1.0     | 0.45    | 0.0     | 62.32      | 57.54      | 102.9      | 117.9                 | 61       | 46.91    | 30.78    | 0.32   | 0.6013 | 0.3946   | 0.3475 |
|                | 12 Y60R | 1.0     | 0.4     | 0.0     | 60.4       | 61.74      | 100.48     | 117.94                | 58       | 45.46    | 28.57    | 0.26   | 0.612  | 0.3846   | 0.3224 |
|                | 13 Y65R | 1.0     | 0.35    | 0.0     | 58.49      | 65.45      | 97.59      | 117.51                | 56       | 43.91    | 26.48    | 0.23   | 0.6218 | 0.375    | 0.2989 |
|                | 14 Y70R | 1.0     | 0.3     | 0.0     | 56.56      | 68.82      | 93.38      | 116.0                 | 54       | 42.24    | 24.47    | 0.29   | 0.6304 | 0.3653   | 0.2763 |
|                | 15 Y75R | 1.0     | 0.25    | 0.0     | 54.53      | 72.04      | 86.54      | 112.6                 | 50       | 40.43    | 22.48    | 0.52   | 0.6374 | 0.3543   | 0.2537 |
|                | 16 Y80R | 1.0     | 0.2     | 0.0     | 52.42      | 74.85      | 79.13      | 108.92                | 47       | 38.44    | 20.52    | 0.79   | 0.6434 | 0.3435   | 0.2316 |
|                | 17 Y85R | 1.0     | 0.25    | 0.0     | 50.2       | 77.12      | 73.58      | 106.6                 | 44       | 36.2     | 18.58    | 0.91   | 0.6501 | 0.3337   | 0.2098 |
|                | 18 Y90R | 1.0     | 0.1     | 0.0     | 47.91      | 79.23      | 66.85      | 103.66                | 40       | 33.93    | 16.72    | 1.11   | 0.6555 | 0.3231   | 0.1888 |
|                | 19 Y95R | 1.0     | 0.05    | 0.0     | 45.61      | 81.67      | 57.67      | 99.98                 | 35       | 31.83    | 14.98    | 1.56   | 0.658  | 0.3097   | 0.1691 |
|                | 20 R00B | 1.0     | 0.0     | 0.0     | 43.46      | 83.49      | 45.66      | 95.16                 | 29       | 29.82    | 13.47    | 2.5    | 0.6513 | 0.2941   | 0.152  |
|                | 21 R05B | 1.0     | 0.0     | 0.1     | 41.72      | 84.93      | 33.42      | 91.27                 | 21       | 28.25    | 12.32    | 3.93   | 0.6349 | 0.2768   | 0.139  |
|                | 22 R10B | 1.0     | 0.0     | 0.2     | 40.55      | 87.16      | 22.62      | 90.05                 | 15       | 27.55    | 11.58    | 5.71   | 0.6143 | 0.2583   | 0.1308 |
|                | 23 R15B | 1.0     | 0.0     | 0.3     | 39.93      | 89.99      | 12.47      | 90.85                 | 8        | 27.59    | 11.21    | 8.05   | 0.5889 | 0.2392   | 0.1265 |
|                | 24 R20B | 1.0     | 0.0     | 0.4     | 39.49      | 93.93      | 1.89       | 93.95                 | 1        | 28.1     | 10.95    | 11.23  | 0.559  | 0.2177   | 0.1236 |
|                | 25 R25B | 1.0     | 0.0     | 0.5     | 39.04      | 94.97      | -9.57      | 95.45                 | 354      | 27.88    | 10.68    | 15.52  | 0.5155 | 0.1975   | 0.1206 |
|                | 26 R30B | 1.0     | 0.0     | 0.6     | 38.92      | 97.7       | -21.95     | 100.13                | 347      | 28.43    | 10.61    | 21.6   | 0.4689 | 0.175    | 0.1198 |
|                | 27 R35B | 1.0     | 0.0     | 0.7     | 39.4       | 104.23     | -36.8      | 110.53                | 341      | 30.69    | 10.89    | 31.54  | 0.4197 | 0.149    | 0.123  |
|                | 28 R40B | 1.0     | 0.0     | 0.8     | 40.15      | 109.31     | -51.82     | 120.98                | 335      | 32.98    | 11.34    | 44.7   | 0.3704 | 0.1274   | 0.128  |
|                | 29 R45B | 1.0     | 0.0     | 0.9     | 40.9       | 112.08     | -65.27     | 129.7                 | 330      | 34.7     | 11.8     | 59.36  | 0.3277 | 0.1115   | 0.1332 |
|                | 30 R50B | 1.0     | 0.0     | 1.0     | 41.7       | 114.46     | -77.1      | 135.53                | 325      | 35.52    | 12.31    | 74.95  | 0.2893 | 0.1002   | 0.1389 |
|                | 31 R55B | 0.9     | 0.0     | 1.0     | 42.57      | 104.69     | -86.65     | 135.91                | 320      | 34.63    | 12.87    | 89.92  | 0.252  | 0.0937   | 0.1453 |
|                | 32 R60B | 0.8     | 0.0     | 1.0     | 43.52      | 92.74      | -93.14     | 131.45                | 315      | 32.4     | 13.51    | 102.13 | 0.2189 | 0.0913   | 0.1525 |
|                | 33 R65B | 0.7     | 0.0     | 1.0     | 44.41      | 76.01      | -93.59     | 120.57                | 309      | 28.95    | 14.13    | 105.27 | 0.1951 | 0.0952   | 0.1595 |
|                | 34 R70B | 0.6     | 0.0     | 1.0     | 45.38      | 60.88      | -92.56     | 110.79                | 303      | 26.21    | 14.82    | 106.29 | 0.1779 | 0.1006   | 0.1673 |
|                | 35 R75B | 0.5     | 0.0     | 1.0     | 46.36      | 47.13      | -91.72     | 103.13                | 297      | 23.98    | 15.54    | 107.67 | 0.1629 | 0.1056   | 0.1754 |
|                | 36 R80B | 0.4     | 0.0     | 1.0     | 47.26      | 33.2       | -90.28     | 96.2                  | 290      | 21.76    | 16.22    | 107.85 | 0.1492 | 0.1112   | 0.1831 |
|                | 37 R85B | 0.3     | 0.0     | 1.0     | 48.12      | 18.01      | -86.77     | 88.63                 | 282      | 19.4     | 16.89    | 104.58 | 0.1377 | 0.1199   | 0.1906 |
|                | 38 R90B | 0.2     | 0.0     | 1.0     | 49.24      | 2.39       | -81.26     | 81.31                 | 272      | 17.34    | 17.79    | 98.99  | 0.1293 | 0.1326   | 0.2008 |
|                | 39 R95B | 0.1     | 0.0     | 1.0     | 50.68      | -12.59     | -74.55     | 75.61                 | 260      | 15.78    | 18.99    | 92.64  | 0.1238 | 0.1491   | 0.2144 |
|                | 40 B00G | 0.0     | 0.0     | 1.0     | 52.17      | -26.71     | -67.95     | 73.03                 | 249      | 14.49    | 20.3     | 86.88  | 0.1191 | 0.1668   | 0.2291 |
|                | 41 B05G | 0.0     | 0.1     | 1.0     | 53.54      | -39.76     | -61.29     | 73.07                 | 237      | 13.36    | 21.54    | 80.97  | 0.1153 | 0.1859   | 0.2432 |
|                | 42 B10G | 0.0     | 0.2     | 1.0     | 54.79      | -51.89     | -55.87     | 76.26                 | 227      | 12.35    | 22.73    | 76.67  | 0.1105 | 0.2034   | 0.2565 |
|                | 43 B15G | 0.0     | 0.3     | 1.0     | 55.92      | -61.55     | -50.83     | 79.84                 | 220      | 11.66    | 23.84    | 72.75  | 0.1077 | 0.2202   | 0.2691 |
|                | 44 B20G | 0.0     | 0.4     | 1.0     | 56.97      | -69.24     | -46.03     | 83.16                 | 214      | 11.22    | 24.89    | 69.08  | 0.1067 | 0.2366   | 0.281  |
|                | 45 B25G | 0.0     | 0.5     | 1.0     | 57.92      | -76.16     | -41.46     | 86.73                 | 209      | 10.84    | 25.88    | 65.6   | 0.1059 | 0.2529   | 0.2921 |
|                | 46 B30G | 0.0     | 0.6     | 1.0     | 58.76      | -82.63     | -37.31     | 90.67                 | 204      | 10.46    | 26.77    | 62.49  | 0.1049 | 0.2684   | 0.3021 |
|                | 47 B35G | 0.0     | 0.7     | 1.0     | 59.52      | -88.56     | -33.56     | 94.72                 | 201      | 10.11    | 27.59    | 59.79  | 0.1037 | 0.283    | 0.3115 |
|                | 48 B40G | 0.0     | 0.8     | 1.0     | 60.22      | -94.3      | -29.93     | 98.95                 | 198      | 9.77     | 28.37    | 57.17  | 0.1025 | 0.2976   | 0.3202 |
|                | 49 B45G | 0.0     | 0.9     | 1.0     | 60.87      | -100.35    | -26.15     | 103.72                | 195      | 9.37     | 29.1     | 54.39  | 0.1009 | 0.3134   | 0.3285 |

n = 28.67 / (28.67 + 0.63) = 0.979

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS06a für Helligkeit L\*=06 von Schwarz für D65

| System NLS06a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h <sub>ab,a</sub> | X <sub>a</sub> =XYZ1a | Y <sub>a</sub> =XYZ2a | Z <sub>a</sub> =XYZ3a | x <sub>a</sub> | y <sub>a</sub> | Y <sub>a</sub> /88.59 |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|-------------------|-----------------------|-----------------------|-----------------------|----------------|----------------|-----------------------|
| NCS system    | 50 B50G | 0.0     | 1.0     | 1.0     | 61.42      | -105.18    | -22.39     | 107.55          | 192               | 9.07                  | 29.73                 | 51.55                 | 0.1004         | 0.329          | 0.3356                |
|               | 51 B55G | 0.0     | 1.0     | 0.9     | 61.81      | -108.11    | -18.88     | 109.76          | 190               | 8.92                  | 30.18                 | 48.78                 | 0.1015         | 0.3434         | 0.3406                |
|               | 52 B60G | 0.0     | 1.0     | 0.8     | 62.08      | -111.01    | -15.58     | 112.11          | 188               | 8.72                  | 30.49                 | 46.12                 | 0.1022         | 0.3573         | 0.3442                |
|               | 53 B65G | 0.0     | 1.0     | 0.7     | 62.24      | -116.18    | -12.25     | 116.83          | 186               | 8.22                  | 30.69                 | 43.37                 | 0.0998         | 0.373          | 0.3464                |
|               | 54 B70G | 0.0     | 1.0     | 0.6     | 62.4       | -122.29    | -8.63      | 122.6           | 184               | 7.63                  | 30.88                 | 40.49                 | 0.0965         | 0.3909         | 0.3485                |
|               | 55 B75G | 0.0     | 1.0     | 0.5     | 62.56      | -127.14    | -4.67      | 127.23          | 182               | 7.19                  | 31.07                 | 37.45                 | 0.095          | 0.4103         | 0.3507                |
|               | 56 B80G | 0.0     | 1.0     | 0.4     | 62.73      | -131.53    | -0.53      | 131.54          | 180               | 6.82                  | 31.26                 | 34.45                 | 0.0941         | 0.431          | 0.3529                |
|               | 57 B85G | 0.0     | 1.0     | 0.3     | 62.87      | -135.19    | 3.88       | 135.25          | 178               | 6.53                  | 31.43                 | 31.37                 | 0.0941         | 0.4534         | 0.3548                |
|               | 58 B90G | 0.0     | 1.0     | 0.2     | 63.06      | -138.32    | 10.47      | 138.72          | 176               | 6.31                  | 31.66                 | 27.12                 | 0.0969         | 0.4864         | 0.3574                |
|               | 59 B95G | 0.0     | 1.0     | 0.1     | 63.46      | -139.09    | 21.42      | 140.74          | 171               | 6.4                   | 32.14                 | 21.01                 | 0.1074         | 0.5397         | 0.3628                |
|               | 60 G00Y | 0.0     | 1.0     | 0.0     | 64.0       | -138.97    | 36.57      | 143.71          | 165               | 6.63                  | 32.8                  | 14.18                 | 0.1237         | 0.6119         | 0.3703                |
|               | 61 G05Y | 0.05    | 1.0     | 0.0     | 64.64      | -124.61    | 50.09      | 134.3           | 158               | 8.43                  | 33.6                  | 9.58                  | 0.1633         | 0.651          | 0.3793                |
|               | 62 G10Y | 0.1     | 1.0     | 0.0     | 65.4       | -109.05    | 62.14      | 125.52          | 150               | 10.75                 | 34.55                 | 6.51                  | 0.2075         | 0.6669         | 0.39                  |
|               | 63 G15Y | 0.15    | 1.0     | 0.0     | 66.32      | -95.75     | 76.11      | 122.32          | 142               | 13.22                 | 35.74                 | 3.88                  | 0.2502         | 0.6763         | 0.4035                |
|               | 64 G20Y | 0.2     | 1.0     | 0.0     | 67.44      | -82.75     | 89.5       | 121.9           | 133               | 16.14                 | 37.22                 | 2.19                  | 0.2906         | 0.67           | 0.4201                |
|               | 65 G25Y | 0.25    | 1.0     | 0.0     | 68.82      | -71.26     | 99.08      | 122.05          | 126               | 19.39                 | 39.1                  | 1.43                  | 0.3236         | 0.6526         | 0.4414                |
|               | 66 G30Y | 0.3     | 1.0     | 0.0     | 70.48      | -62.22     | 110.33     | 126.67          | 119               | 22.77                 | 41.43                 | 0.78                  | 0.3503         | 0.6376         | 0.4677                |
|               | 67 G35Y | 0.35    | 1.0     | 0.0     | 72.38      | -53.98     | 116.54     | 128.44          | 115               | 26.58                 | 44.23                 | 0.58                  | 0.3723         | 0.6196         | 0.4992                |
|               | 68 G40Y | 0.4     | 1.0     | 0.0     | 74.52      | -47.2      | 122.21     | 131.01          | 111               | 30.67                 | 47.51                 | 0.44                  | 0.3901         | 0.6043         | 0.5363                |
|               | 69 G45Y | 0.45    | 1.0     | 0.0     | 76.84      | -41.81     | 126.9      | 133.61          | 108               | 34.99                 | 51.27                 | 0.39                  | 0.4038         | 0.5917         | 0.5787                |
|               | 70 G50Y | 0.5     | 1.0     | 0.0     | 79.22      | -37.61     | 130.51     | 135.82          | 106               | 39.4                  | 55.31                 | 0.42                  | 0.4141         | 0.5814         | 0.6243                |
|               | 71 G55Y | 0.55    | 1.0     | 0.0     | 81.52      | -34.23     | 133.03     | 137.36          | 104               | 43.76                 | 59.41                 | 0.53                  | 0.422          | 0.5729         | 0.6706                |
|               | 72 G60Y | 0.6     | 1.0     | 0.0     | 83.56      | -31.33     | 135.4      | 138.98          | 103               | 47.86                 | 63.22                 | 0.61                  | 0.4285         | 0.5661         | 0.7136                |
|               | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.24      | -28.43     | 138.05     | 140.95          | 102               | 51.62                 | 66.48                 | 0.62                  | 0.4348         | 0.56           | 0.7504                |
|               | 74 G70Y | 0.7     | 1.0     | 0.0     | 86.64      | -25.53     | 140.69     | 142.99          | 100               | 55.07                 | 69.27                 | 0.61                  | 0.4408         | 0.5544         | 0.7819                |
|               | 75 G75Y | 0.75    | 1.0     | 0.0     | 87.8       | -22.48     | 143.13     | 144.88          | 99                | 58.33                 | 71.64                 | 0.58                  | 0.4468         | 0.5488         | 0.8087                |
|               | 76 G80Y | 0.8     | 1.0     | 0.0     | 88.73      | -19.16     | 144.9      | 146.16          | 98                | 61.4                  | 73.59                 | 0.56                  | 0.453          | 0.5429         | 0.8306                |
|               | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.42      | -15.5      | 146.56     | 147.38          | 96                | 64.28                 | 75.06                 | 0.53                  | 0.4596         | 0.5366         | 0.8473                |
|               | 78 G90Y | 0.9     | 1.0     | 0.0     | 90.03      | -11.37     | 147.53     | 147.97          | 94                | 67.29                 | 76.37                 | 0.54                  | 0.4667         | 0.5296         | 0.8621                |
|               | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.59      | -6.54      | 146.61     | 146.76          | 93                | 70.63                 | 77.58                 | 0.67                  | 0.4744         | 0.5211         | 0.8758                |
|               | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.65      | -0.85      | 144.77     | 144.77          | 90                | 73.45                 | 77.72                 | 0.81                  | 0.4833         | 0.5114         | 0.8773                |
|               | 81 9500 | 1.0     | 1.0     | 1.0     | 5.69       | 0.0        | 0.0        | 0.01            | 0                 | 0.6                   | 0.63                  | 0.69                  | 0.3127         | 0.329          | 0.0071                |
|               | 82 9000 | 0.944   | 0.944   | 0.944   | 18.31      | 0.0        | 0.0        | 0.01            | 280               | 2.46                  | 2.59                  | 2.82                  | 0.3127         | 0.329          | 0.0292                |
|               | 83 8500 | 0.889   | 0.889   | 0.889   | 25.83      | 0.0        | 0.0        | 0.01            | 85                | 4.46                  | 4.69                  | 5.11                  | 0.3127         | 0.329          | 0.0529                |
|               | 84 8000 | 0.833   | 0.833   | 0.833   | 31.69      | 0.0        | 0.0        | 0.01            | 0                 | 6.6                   | 6.95                  | 7.57                  | 0.3127         | 0.329          | 0.0784                |
|               | 85 7500 | 0.778   | 0.778   | 0.778   | 36.72      | 0.0        | 0.0        | 0.01            | 0                 | 8.92                  | 9.39                  | 10.22                 | 0.3127         | 0.329          | 0.106                 |
|               | 86 7000 | 0.722   | 0.722   | 0.722   | 41.25      | 0.0        | 0.0        | 0.01            | 157               | 11.43                 | 12.02                 | 13.09                 | 0.3127         | 0.329          | 0.1357                |
|               | 87 6500 | 0.667   | 0.667   | 0.667   | 45.47      | 0.0        | 0.0        | 0.01            | 158               | 14.14                 | 14.88                 | 16.2                  | 0.3127         | 0.329          | 0.168                 |
|               | 88 6000 | 0.611   | 0.611   | 0.611   | 49.49      | 0.0        | 0.0        | 0.01            | 158               | 17.11                 | 18.0                  | 19.6                  | 0.3127         | 0.329          | 0.2032                |
|               | 89 5500 | 0.556   | 0.556   | 0.556   | 53.39      | 0.0        | 0.0        | 0.01            | 0                 | 20.35                 | 21.41                 | 23.31                 | 0.3127         | 0.329          | 0.2417                |
|               | 90 5000 | 0.5     | 0.5     | 0.5     | 57.22      | 0.0        | 0.0        | 0.01            | 0                 | 23.9                  | 25.14                 | 27.38                 | 0.3127         | 0.329          | 0.2838                |
|               | 91 4500 | 0.444   | 0.444   | 0.444   | 61.03      | 0.0        | 0.0        | 0.01            | 0                 | 27.82                 | 29.28                 | 31.88                 | 0.3127         | 0.329          | 0.3305                |
|               | 92 4000 | 0.389   | 0.389   | 0.389   | 64.85      | 0.0        | 0.0        | 0.01            | 158               | 32.18                 | 33.86                 | 36.87                 | 0.3127         | 0.329          | 0.3822                |
|               | 93 3500 | 0.333   | 0.333   | 0.333   | 68.73      | 0.0        | 0.0        | 0.01            | 140               | 37.03                 | 38.97                 | 42.43                 | 0.3127         | 0.329          | 0.4398                |
|               | 94 3000 | 0.278   | 0.278   | 0.278   | 72.69      | 0.0        | 0.0        | 0.01            | 158               | 42.48                 | 44.7                  | 48.67                 | 0.3127         | 0.329          | 0.5046                |
|               | 95 2500 | 0.222   | 0.222   | 0.222   | 76.79      | 0.0        | 0.0        | 0.01            | 0                 | 48.64                 | 51.18                 | 55.72                 | 0.3127         | 0.329          | 0.5777                |
|               | 96 2000 | 0.167   | 0.167   | 0.167   | 81.06      | 0.0        | 0.0        | 0.01            | 158               | 55.67                 | 58.57                 | 63.77                 | 0.3127         | 0.329          | 0.6612                |
|               | 97 1500 | 0.111   | 0.111   | 0.111   | 85.54      | 0.0        | 0.0        | 0.01            | 169               | 63.74                 | 67.07                 | 73.02                 | 0.3127         | 0.329          | 0.7571                |
|               | 98 1000 | 0.056   | 0.056   | 0.056   | 90.3       | 0.0        | 0.0        | 0.01            | 88                | 73.14                 | 76.96                 | 83.79                 | 0.3127         | 0.329          | 0.8687                |
|               | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 0                 | 84.2                  | 88.59                 | 96.46                 | 0.3127         | 0.329          | 1.0                   |

n = 88.59 / (88.59 + 0.63) = 0.993

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS06a für Helligkeit  $L^*=06$  von Schwarz für D65

System NLS06a  
 NCS system

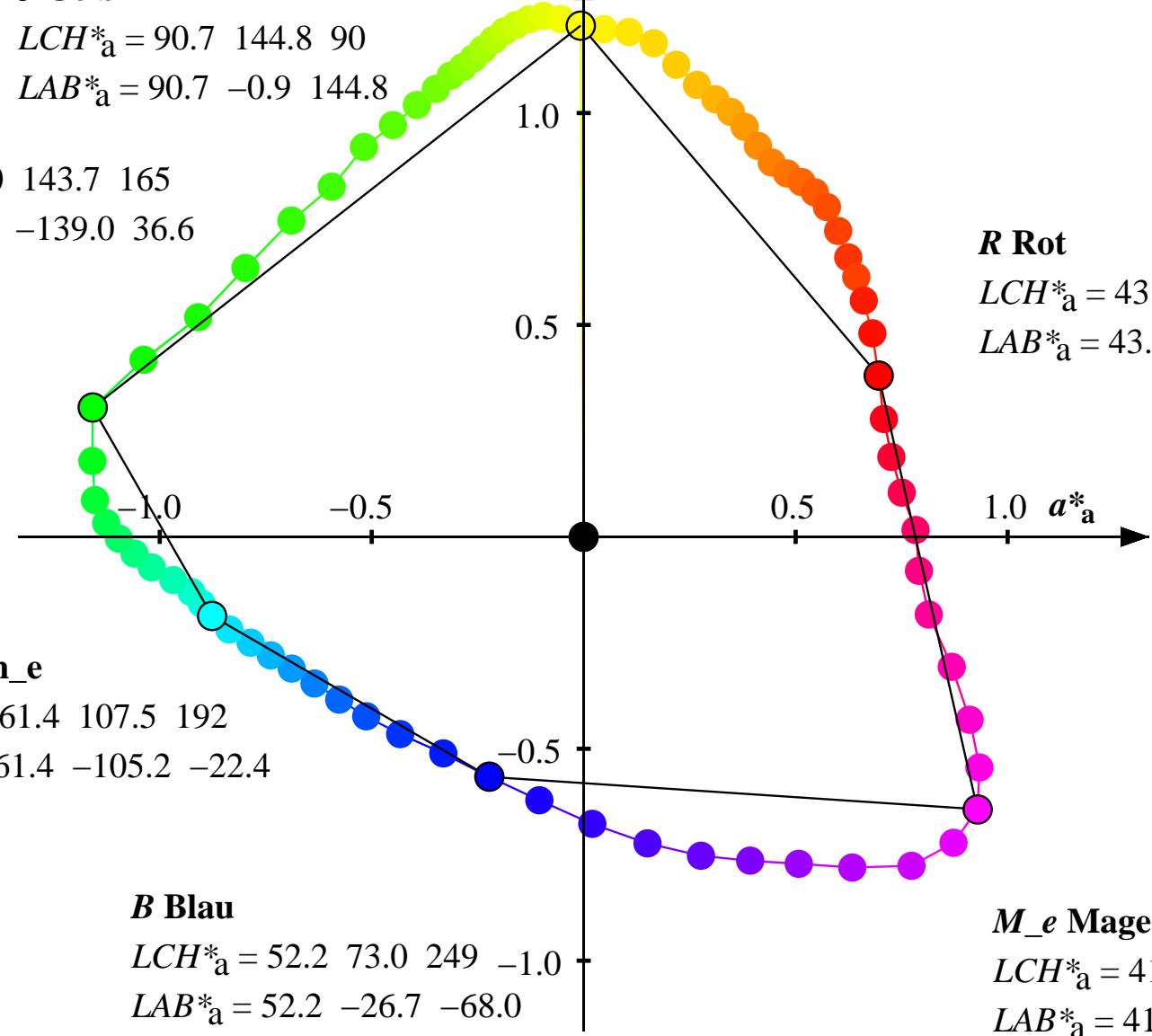
**J Gelb**

D65-Reflexion:  $LCH^*_a = 90.7 \ 144.8 \ 90$   
 $Y_N = 0.63$   
 $L^*_N = 5.69$   
 $LAB^*_a = 90.7 \ -0.9 \ 144.8$

**G Grün**

$LCH^*_a = 64.0 \ 143.7 \ 165$   
 $LAB^*_a = 64.0 \ -139.0 \ 36.6$

*adaptiertes CIELAB ( $a^*_a$ ,  $b^*_a$ )-Diagramm*



**R Rot**

$LCH^*_a = 43.5 \ 95.2 \ 29$   
 $LAB^*_a = 43.5 \ 83.5 \ 45.7$

**C\_e Cyan\_e**

$LCH^*_a = 61.4 \ 107.5 \ 192$   
 $LAB^*_a = 61.4 \ -105.2 \ -22.4$

**B Blau**

$LCH^*_a = 52.2 \ 73.0 \ 249 \ -1.0$   
 $LAB^*_a = 52.2 \ -26.7 \ -68.0$

**M\_e Magenta\_e**

$LCH^*_a = 41.7 \ 135.5 \ 325$   
 $LAB^*_a = 41.7 \ 111.5 \ -77.1$

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
 Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS11a für Helligkeit L\*=11 von Schwarz für D65

| System NLS11a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |        |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|----------|----------|----------|--------|--------|----------|--------|
| NCS system    | 00 Y00R | 1.0     | 1.0     | 0.0     | 90.69      | -0.84      | 136.1      | 136.1           | 90       | 73.53    | 77.8     | 1.49   | 0.4812 | 0.5091   | 0.8782 |
|               | 01 Y05R | 1.0     | 0.95    | 0.0     | 89.74      | 5.69       | 134.99     | 135.11          | 88       | 74.71    | 75.74    | 1.44   | 0.4919 | 0.4986   | 0.855  |
|               | 02 Y10R | 1.0     | 0.9     | 0.0     | 87.64      | 12.7       | 133.61     | 134.21          | 85       | 73.73    | 71.32    | 1.25   | 0.504  | 0.4875   | 0.805  |
|               | 03 Y15R | 1.0     | 0.85    | 0.0     | 84.4       | 19.63      | 130.14     | 131.61          | 81       | 70.39    | 64.83    | 1.08   | 0.5164 | 0.4757   | 0.7318 |
|               | 04 Y20R | 1.0     | 0.8     | 0.0     | 80.72      | 26.0       | 124.13     | 126.82          | 78       | 66.06    | 57.97    | 1.05   | 0.5281 | 0.4634   | 0.6543 |
|               | 05 Y25R | 1.0     | 0.75    | 0.0     | 77.46      | 31.8       | 118.38     | 122.58          | 75       | 62.44    | 52.31    | 1.06   | 0.5391 | 0.4517   | 0.5904 |
|               | 06 Y30R | 1.0     | 0.7     | 0.0     | 74.59      | 36.92      | 114.33     | 120.14          | 72       | 59.36    | 47.63    | 1.0    | 0.5497 | 0.4411   | 0.5377 |
|               | 07 Y35R | 1.0     | 0.65    | 0.0     | 71.81      | 41.24      | 110.86     | 118.28          | 70       | 56.23    | 43.38    | 0.91   | 0.5594 | 0.4316   | 0.4897 |
|               | 08 Y40R | 1.0     | 0.6     | 0.0     | 69.17      | 45.03      | 106.72     | 115.83          | 67       | 53.23    | 39.58    | 0.88   | 0.5682 | 0.4225   | 0.4468 |
|               | 09 Y45R | 1.0     | 0.55    | 0.0     | 66.79      | 48.68      | 101.41     | 112.49          | 64       | 50.72    | 36.36    | 0.96   | 0.5761 | 0.413    | 0.4104 |
|               | 10 Y50R | 1.0     | 0.5     | 0.0     | 64.66      | 52.56      | 96.76      | 110.11          | 61       | 48.74    | 33.62    | 1.03   | 0.5845 | 0.4031   | 0.3795 |
|               | 11 Y55R | 1.0     | 0.45    | 0.0     | 62.67      | 56.78      | 93.66      | 109.53          | 59       | 47.18    | 31.2     | 1.01   | 0.5943 | 0.393    | 0.3522 |
|               | 12 Y60R | 1.0     | 0.4     | 0.0     | 60.78      | 60.89      | 91.28      | 109.73          | 56       | 45.74    | 29.0     | 0.94   | 0.6044 | 0.3831   | 0.3273 |
|               | 13 Y65R | 1.0     | 0.35    | 0.0     | 58.91      | 64.51      | 88.44      | 109.47          | 54       | 44.2     | 26.93    | 0.92   | 0.6135 | 0.3738   | 0.304  |
|               | 14 Y70R | 1.0     | 0.3     | 0.0     | 57.01      | 67.78      | 84.31      | 108.17          | 51       | 42.54    | 24.93    | 0.98   | 0.6215 | 0.3642   | 0.2815 |
|               | 15 Y75R | 1.0     | 0.25    | 0.0     | 55.02      | 70.89      | 77.82      | 105.27          | 48       | 40.74    | 22.95    | 1.21   | 0.6278 | 0.3536   | 0.2591 |
|               | 16 Y80R | 1.0     | 0.2     | 0.0     | 52.96      | 73.58      | 71.25      | 102.42          | 44       | 38.77    | 21.01    | 1.47   | 0.633  | 0.343    | 0.2371 |
|               | 17 Y85R | 1.0     | 0.25    | 0.0     | 50.79      | 75.72      | 66.26      | 100.62          | 41       | 36.55    | 19.09    | 1.59   | 0.6387 | 0.3335   | 0.2154 |
|               | 18 Y90R | 1.0     | 0.1     | 0.0     | 48.56      | 77.68      | 60.44      | 98.42           | 38       | 34.29    | 17.24    | 1.79   | 0.6431 | 0.3233   | 0.1946 |
|               | 19 Y95R | 1.0     | 0.05    | 0.0     | 46.33      | 79.95      | 52.68      | 95.74           | 33       | 32.21    | 15.51    | 2.24   | 0.6447 | 0.3105   | 0.1751 |
|               | 20 R00B | 1.0     | 0.0     | 0.0     | 44.24      | 81.59      | 42.31      | 91.91           | 27       | 30.21    | 14.01    | 3.17   | 0.6375 | 0.2955   | 0.1581 |
|               | 21 R05B | 1.0     | 0.0     | 0.1     | 42.56      | 82.87      | 31.35      | 88.6            | 21       | 28.65    | 12.86    | 4.59   | 0.6215 | 0.279    | 0.1452 |
|               | 22 R10B | 1.0     | 0.0     | 0.2     | 41.43      | 84.97      | 21.4       | 87.62           | 14       | 27.95    | 12.14    | 6.36   | 0.6018 | 0.2613   | 0.137  |
|               | 23 R15B | 1.0     | 0.0     | 0.3     | 40.84      | 87.7       | 11.89      | 88.5            | 8        | 27.99    | 11.76    | 8.69   | 0.5779 | 0.2428   | 0.1328 |
|               | 24 R20B | 1.0     | 0.0     | 0.4     | 40.41      | 91.53      | 1.81       | 91.55           | 1        | 28.51    | 11.5     | 11.84  | 0.5498 | 0.2219   | 0.1298 |
|               | 25 R25B | 1.0     | 0.0     | 0.5     | 39.99      | 92.51      | -9.23      | 92.97           | 354      | 28.29    | 11.24    | 16.1   | 0.5084 | 0.2021   | 0.1269 |
|               | 26 R30B | 1.0     | 0.0     | 0.6     | 39.87      | 95.17      | -21.27     | 97.52           | 347      | 28.83    | 11.17    | 22.14  | 0.464  | 0.1798   | 0.1261 |
|               | 27 R35B | 1.0     | 0.0     | 0.7     | 40.33      | 101.65     | -35.85     | 107.79          | 341      | 31.07    | 11.45    | 32.0   | 0.4169 | 0.1536   | 0.1293 |
|               | 28 R40B | 1.0     | 0.0     | 0.8     | 41.05      | 106.74     | -50.68     | 118.16          | 335      | 33.34    | 11.9     | 45.07  | 0.3692 | 0.1317   | 0.1343 |
|               | 29 R45B | 1.0     | 0.0     | 0.9     | 41.77      | 109.54     | -64.01     | 126.88          | 330      | 35.05    | 12.35    | 59.63  | 0.3275 | 0.1154   | 0.1395 |
|               | 30 R50B | 1.0     | 0.0     | 1.0     | 42.54      | 109.0      | -75.77     | 132.76          | 325      | 35.87    | 12.85    | 75.11  | 0.2897 | 0.1038   | 0.1451 |
|               | 31 R55B | 0.9     | 0.0     | 1.0     | 43.38      | 102.41     | -85.29     | 133.28          | 320      | 34.99    | 13.41    | 89.97  | 0.2529 | 0.0969   | 0.1514 |
|               | 32 R60B | 0.8     | 0.0     | 1.0     | 44.3       | 90.71      | -91.78     | 129.05          | 315      | 32.77    | 14.05    | 102.09 | 0.2201 | 0.0943   | 0.1586 |
|               | 33 R65B | 0.7     | 0.0     | 1.0     | 45.17      | 74.3       | -92.26     | 118.46          | 309      | 29.34    | 14.66    | 105.2  | 0.1967 | 0.0983   | 0.1655 |
|               | 34 R70B | 0.6     | 0.0     | 1.0     | 46.1       | 59.48      | -91.27     | 108.95          | 303      | 26.63    | 15.35    | 106.22 | 0.1797 | 0.1036   | 0.1732 |
|               | 35 R75B | 0.5     | 0.0     | 1.0     | 47.06      | 46.03      | -90.48     | 101.52          | 297      | 24.41    | 16.06    | 107.59 | 0.1649 | 0.1085   | 0.1813 |
|               | 36 R80B | 0.4     | 0.0     | 1.0     | 47.93      | 32.41      | -89.08     | 94.8            | 290      | 22.21    | 16.74    | 107.76 | 0.1514 | 0.1141   | 0.1889 |
|               | 37 R85B | 0.3     | 0.0     | 1.0     | 48.76      | 17.57      | -85.62     | 87.42           | 282      | 19.86    | 17.4     | 104.52 | 0.1401 | 0.1227   | 0.1964 |
|               | 38 R90B | 0.2     | 0.0     | 1.0     | 49.85      | 2.33       | -80.19     | 80.24           | 272      | 17.82    | 18.3     | 98.98  | 0.1319 | 0.1354   | 0.2065 |
|               | 39 R95B | 0.1     | 0.0     | 1.0     | 51.26      | -12.27     | -73.57     | 74.6            | 261      | 16.27    | 19.49    | 92.67  | 0.1267 | 0.1518   | 0.22   |
|               | 40 B00G | 0.0     | 0.0     | 1.0     | 52.72      | -26.02     | -67.06     | 71.95           | 249      | 14.99    | 20.79    | 86.95  | 0.1222 | 0.1694   | 0.2347 |
|               | 41 B05G | 0.0     | 0.1     | 1.0     | 54.05      | -38.72     | -60.49     | 71.84           | 237      | 13.87    | 22.03    | 81.08  | 0.1185 | 0.1883   | 0.2486 |
|               | 42 B10G | 0.0     | 0.2     | 1.0     | 55.28      | -50.52     | -55.14     | 74.8            | 228      | 12.86    | 23.2     | 76.81  | 0.1139 | 0.2055   | 0.2619 |
|               | 43 B15G | 0.0     | 0.3     | 1.0     | 56.39      | -59.91     | -50.17     | 78.16           | 220      | 12.18    | 24.3     | 72.92  | 0.1113 | 0.2221   | 0.2743 |
|               | 44 B20G | 0.0     | 0.4     | 1.0     | 57.41      | -67.4      | -45.43     | 81.3            | 214      | 11.74    | 25.35    | 69.28  | 0.1104 | 0.2383   | 0.2861 |
|               | 45 B25G | 0.0     | 0.5     | 1.0     | 58.34      | -74.14     | -40.91     | 84.69           | 209      | 11.36    | 26.33    | 65.82  | 0.1098 | 0.2543   | 0.2972 |
|               | 46 B30G | 0.0     | 0.6     | 1.0     | 59.17      | -80.43     | -36.82     | 88.47           | 205      | 10.99    | 27.21    | 62.74  | 0.1088 | 0.2696   | 0.3071 |
|               | 47 B35G | 0.0     | 0.7     | 1.0     | 59.92      | -86.19     | -33.12     | 92.35           | 201      | 10.65    | 28.03    | 60.05  | 0.1078 | 0.2839   | 0.3164 |
|               | 48 B40G | 0.0     | 0.8     | 1.0     | 60.6       | -91.77     | -29.53     | 96.42           | 198      | 10.3     | 28.8     | 57.45  | 0.1067 | 0.2983   | 0.3251 |
|               | 49 B45G | 0.0     | 0.9     | 1.0     | 61.24      | -97.64     | -25.8      | 101.0           | 195      | 9.9      | 29.53    | 54.69  | 0.1052 | 0.3137   | 0.3333 |

n = 28.67 / (28.67 + 1.26) = 0.958

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rhata

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS11a für Helligkeit L\*=11 von Schwarz für D65

| System NLS11a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,ab,ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa    | ya     | Ya/88.59 |        |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------------|----------|----------|----------|-------|--------|----------|--------|
| NCS system    | 50 B50G | 0.0     | 1.0     | 1.0     | 61.78      | -102.32    | -22.08     | 104.69                | 192      | 9.61     | 30.15    | 51.87 | 0.1049 | 0.329    | 0.3403 |
|               | 51 B55G | 0.0     | 1.0     | 0.9     | 62.16      | -105.17    | -18.62     | 106.81                | 190      | 9.46     | 30.6     | 49.12 | 0.1061 | 0.3431   | 0.3454 |
|               | 52 B60G | 0.0     | 1.0     | 0.8     | 62.43      | -107.97    | -15.36     | 109.06                | 188      | 9.26     | 30.91    | 46.48 | 0.1069 | 0.3567   | 0.3489 |
|               | 53 B65G | 0.0     | 1.0     | 0.7     | 62.6       | -112.91    | -12.07     | 113.57                | 186      | 8.76     | 31.1     | 43.75 | 0.1048 | 0.372    | 0.3511 |
|               | 54 B70G | 0.0     | 1.0     | 0.6     | 62.75      | -118.74    | -8.5       | 119.05                | 184      | 8.17     | 31.29    | 40.89 | 0.1017 | 0.3894   | 0.3532 |
|               | 55 B75G | 0.0     | 1.0     | 0.5     | 62.91      | -123.36    | -4.6       | 123.45                | 182      | 7.74     | 31.48    | 37.87 | 0.1004 | 0.4083   | 0.3553 |
|               | 56 B80G | 0.0     | 1.0     | 0.4     | 63.07      | -127.53    | -0.53      | 127.54                | 180      | 7.38     | 31.68    | 34.9  | 0.0998 | 0.4283   | 0.3576 |
|               | 57 B85G | 0.0     | 1.0     | 0.3     | 63.21      | -131.0     | 3.82       | 131.06                | 178      | 7.08     | 31.84    | 31.84 | 0.1001 | 0.45     | 0.3594 |
|               | 58 B90G | 0.0     | 1.0     | 0.2     | 63.4       | -133.98    | 10.29      | 134.38                | 176      | 6.87     | 32.07    | 27.62 | 0.1032 | 0.4818   | 0.362  |
|               | 59 B95G | 0.0     | 1.0     | 0.1     | 63.79      | -134.78    | 21.01      | 136.41                | 171      | 6.96     | 32.55    | 21.55 | 0.1139 | 0.5331   | 0.3674 |
|               | 60 G00Y | 0.0     | 1.0     | 0.0     | 64.32      | -134.77    | 35.74      | 139.44                | 165      | 7.19     | 33.2     | 14.76 | 0.1303 | 0.602    | 0.3748 |
|               | 61 G05Y | 0.05    | 1.0     | 0.0     | 64.96      | -121.27    | 48.74      | 130.71                | 158      | 8.97     | 33.99    | 10.2  | 0.1688 | 0.6394   | 0.3837 |
|               | 62 G10Y | 0.1     | 1.0     | 0.0     | 65.7       | -106.47    | 60.16      | 122.3                 | 151      | 11.27    | 34.94    | 7.15  | 0.2113 | 0.6547   | 0.3944 |
|               | 63 G15Y | 0.15    | 1.0     | 0.0     | 66.61      | -93.72     | 73.06      | 118.84                | 142      | 13.73    | 36.12    | 4.55  | 0.2524 | 0.664    | 0.4077 |
|               | 64 G20Y | 0.2     | 1.0     | 0.0     | 67.71      | -81.17     | 84.87      | 117.44                | 134      | 16.63    | 37.59    | 2.86  | 0.2913 | 0.6585   | 0.4243 |
|               | 65 G25Y | 0.25    | 1.0     | 0.0     | 69.08      | -70.04     | 92.98      | 116.41                | 127      | 19.85    | 39.46    | 2.11  | 0.3233 | 0.6424   | 0.4454 |
|               | 66 G30Y | 0.3     | 1.0     | 0.0     | 70.71      | -61.25     | 101.91     | 118.91                | 121      | 23.21    | 41.77    | 1.47  | 0.3492 | 0.6287   | 0.4715 |
|               | 67 G35Y | 0.35    | 1.0     | 0.0     | 72.59      | -53.21     | 107.46     | 119.92                | 116      | 26.99    | 44.55    | 1.26  | 0.3707 | 0.6119   | 0.5028 |
|               | 68 G40Y | 0.4     | 1.0     | 0.0     | 74.7       | -46.58     | 112.82     | 122.06                | 112      | 31.05    | 47.81    | 1.13  | 0.3882 | 0.5977   | 0.5397 |
|               | 69 G45Y | 0.45    | 1.0     | 0.0     | 77.0       | -41.31     | 117.39     | 124.45                | 109      | 35.34    | 51.54    | 1.08  | 0.4018 | 0.5859   | 0.5817 |
|               | 70 G50Y | 0.5     | 1.0     | 0.0     | 79.36      | -37.19     | 121.01     | 126.59                | 107      | 39.72    | 55.55    | 1.11  | 0.4121 | 0.5764   | 0.627  |
|               | 71 G55Y | 0.55    | 1.0     | 0.0     | 81.63      | -33.87     | 123.66     | 128.22                | 105      | 44.05    | 59.62    | 1.21  | 0.42   | 0.5685   | 0.673  |
|               | 72 G60Y | 0.6     | 1.0     | 0.0     | 83.65      | -31.02     | 126.19     | 129.95                | 104      | 48.12    | 63.4     | 1.29  | 0.4265 | 0.562    | 0.7157 |
|               | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.32      | -28.16     | 128.86     | 131.91                | 102      | 51.85    | 66.64    | 1.31  | 0.4328 | 0.5562   | 0.7522 |
|               | 74 G70Y | 0.7     | 1.0     | 0.0     | 86.7       | -25.3      | 131.44     | 133.85                | 101      | 55.28    | 69.4     | 1.29  | 0.4388 | 0.5509   | 0.7834 |
|               | 75 G75Y | 0.75    | 1.0     | 0.0     | 87.85      | -22.28     | 133.78     | 135.63                | 99       | 58.51    | 71.76    | 1.26  | 0.4448 | 0.5456   | 0.81   |
|               | 76 G80Y | 0.8     | 1.0     | 0.0     | 88.78      | -19.0      | 135.52     | 136.84                | 98       | 61.56    | 73.69    | 1.25  | 0.451  | 0.5399   | 0.8319 |
|               | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.47      | -15.37     | 137.1      | 137.96                | 96       | 64.42    | 75.16    | 1.22  | 0.4575 | 0.5338   | 0.8484 |
|               | 78 G90Y | 0.9     | 1.0     | 0.0     | 90.07      | -11.28     | 138.07     | 138.53                | 95       | 67.42    | 76.46    | 1.22  | 0.4646 | 0.5269   | 0.863  |
|               | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.63      | -6.49      | 137.48     | 137.64                | 93       | 70.72    | 77.66    | 1.36  | 0.4723 | 0.5186   | 0.8766 |
|               | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.69      | -0.84      | 136.1      | 136.1                 | 90       | 73.53    | 77.8     | 1.49  | 0.4812 | 0.5091   | 0.8782 |
|               | 81 9500 | 1.0     | 1.0     | 1.0     | 10.99      | 0.0        | 0.0        | 0.01                  | 0        | 1.2      | 1.26     | 1.37  | 0.3127 | 0.329    | 0.0142 |
|               | 82 9000 | 0.944   | 0.944   | 0.944   | 20.84      | 0.0        | 0.0        | 0.01                  | 0        | 3.04     | 3.2      | 3.49  | 0.3127 | 0.329    | 0.0361 |
|               | 83 8500 | 0.889   | 0.889   | 0.889   | 27.55      | 0.0        | 0.0        | 0.01                  | 80       | 5.03     | 5.29     | 5.76  | 0.3127 | 0.329    | 0.0597 |
|               | 84 8000 | 0.833   | 0.833   | 0.833   | 32.99      | 0.0        | 0.0        | 0.01                  | 0        | 7.16     | 7.53     | 8.2   | 0.3127 | 0.329    | 0.085  |
|               | 85 7500 | 0.778   | 0.778   | 0.778   | 37.76      | 0.0        | 0.0        | 0.01                  | 0        | 9.46     | 9.95     | 10.84 | 0.3127 | 0.329    | 0.1124 |
|               | 86 7000 | 0.722   | 0.722   | 0.722   | 42.11      | 0.0        | 0.0        | 0.01                  | 0        | 11.95    | 12.57    | 13.69 | 0.3127 | 0.329    | 0.1419 |
|               | 87 6500 | 0.667   | 0.667   | 0.667   | 46.19      | 0.0        | 0.0        | 0.01                  | 158      | 14.64    | 15.41    | 16.78 | 0.3127 | 0.329    | 0.1739 |
|               | 88 6000 | 0.611   | 0.611   | 0.611   | 50.1       | 0.0        | 0.0        | 0.01                  | 85       | 17.59    | 18.5     | 20.15 | 0.3127 | 0.329    | 0.2089 |
|               | 89 5500 | 0.556   | 0.556   | 0.556   | 53.91      | 0.0        | 0.0        | 0.01                  | 85       | 20.8     | 21.89    | 23.83 | 0.3127 | 0.329    | 0.2471 |
|               | 90 5000 | 0.5     | 0.5     | 0.5     | 57.65      | 0.0        | 0.0        | 0.01                  | 85       | 24.33    | 25.6     | 27.87 | 0.3127 | 0.329    | 0.289  |
|               | 91 4500 | 0.444   | 0.444   | 0.444   | 61.4       | 0.0        | 0.0        | 0.01                  | 0        | 28.23    | 29.7     | 32.34 | 0.3127 | 0.329    | 0.3353 |
|               | 92 4000 | 0.389   | 0.389   | 0.389   | 65.16      | 0.0        | 0.0        | 0.01                  | 158      | 32.55    | 34.25    | 37.29 | 0.3127 | 0.329    | 0.3866 |
|               | 93 3500 | 0.333   | 0.333   | 0.333   | 68.98      | 0.0        | 0.0        | 0.01                  | 158      | 37.37    | 39.32    | 42.81 | 0.3127 | 0.329    | 0.4439 |
|               | 94 3000 | 0.278   | 0.278   | 0.278   | 72.9       | 0.0        | 0.0        | 0.01                  | 0        | 42.78    | 45.01    | 49.01 | 0.3127 | 0.329    | 0.5081 |
|               | 95 2500 | 0.222   | 0.222   | 0.222   | 76.95      | 0.0        | 0.0        | 0.01                  | 0        | 48.89    | 51.44    | 56.01 | 0.3127 | 0.329    | 0.5807 |
|               | 96 2000 | 0.167   | 0.167   | 0.167   | 81.17      | 0.0        | 0.0        | 0.01                  | 158      | 55.87    | 58.79    | 64.01 | 0.3127 | 0.329    | 0.6636 |
|               | 97 1500 | 0.111   | 0.111   | 0.111   | 85.62      | 0.0        | 0.0        | 0.01                  | 165      | 63.89    | 67.22    | 73.19 | 0.3127 | 0.329    | 0.7588 |
|               | 98 1000 | 0.056   | 0.056   | 0.056   | 90.34      | 0.0        | 0.0        | 0.01                  | 140      | 73.22    | 77.04    | 83.88 | 0.3127 | 0.329    | 0.8696 |
|               | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01                  | 0        | 84.2     | 88.59    | 96.46 | 0.3127 | 0.329    | 1.0    |

n = 88.59 / (88.59 + 1.26) = 0.986

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS11a für Helligkeit  $L^*=11$  von Schwarz für D65

System NLS11a  
 NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 90.7 \ 136.1 \ 90$   
 $Y_N = 1.26$   
 $L^*_N = 11.0$   
 $LAB^*_a = 90.7 \ -0.9 \ 136.1$

**G Grün**

$LCH^*_a = 64.3 \ 139.4 \ 165$   
 $LAB^*_a = 64.3 \ -134.8 \ 35.7$

**C\_e Cyan\_e**

$LCH^*_a = 61.8 \ 104.7 \ 192$   
 $LAB^*_a = 61.8 \ -102.3 \ -22.1$

**B Blau**

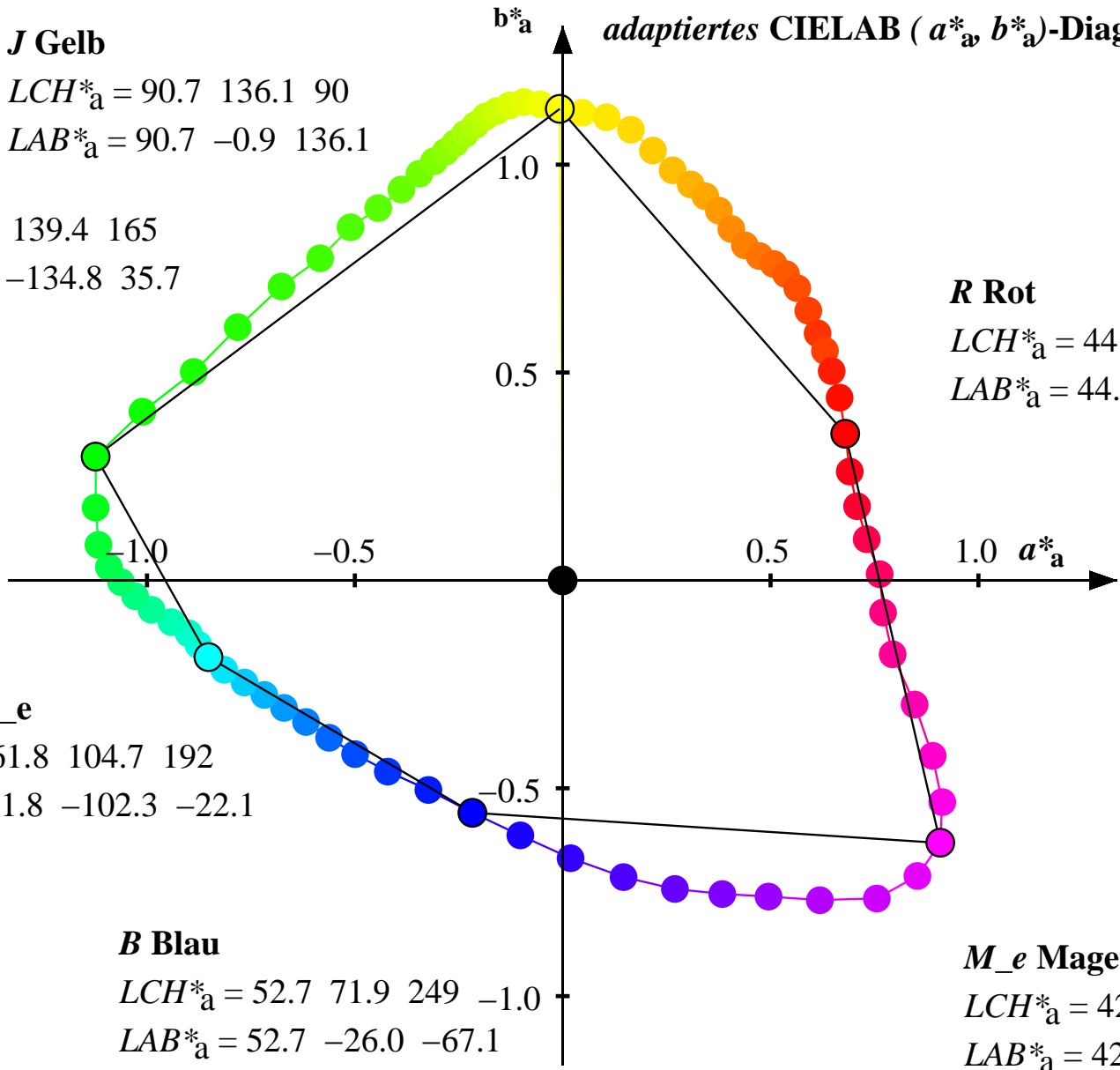
$LCH^*_a = 52.7 \ 71.9 \ 249 \ -1.0$   
 $LAB^*_a = 52.7 \ -26.0 \ -67.1$

**R Rot**

$LCH^*_a = 44.2 \ 91.9 \ 27$   
 $LAB^*_a = 44.2 \ 81.6 \ 42.3$

**M\_e Magenta\_e**

$LCH^*_a = 42.5 \ 132.8 \ 325$   
 $LAB^*_a = 42.5 \ 109.0 \ -75.8$



Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
 Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS18a für Helligkeit L\*=18 von Schwarz für D65

Table with columns: System NLS18a, Farbe, r=olv\*1, g=olv\*2, b=olv\*3, L\*a=LAB\*1a, a\*a=LAB\*2a, b\*a=LAB\*3a, C\*ab,a=LAB\*ab,a, Xa=XYZ1a, Ya=XYZ2a, Za=XYZ3a, xa, ya, Ya/88.59. Rows include NCS system (00-19), D65-Reflexion (20-39), and various color patches (40-49).

n = 28.67 / (28.67 + 2.52) = 0.919

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /PS Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /PS Anwendung für Messung von Drucker- oder Monitorsystemen TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS18a für Helligkeit L\*=18 von Schwarz für D65

| System NLS18a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa    | ya     | Ya/88.59 |        |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------|----------|----------|----------|-------|--------|----------|--------|
| NCS system     | 50 B50G | 0.0     | 1.0     | 1.0     | 62.5       | -97.03     | -21.49     | 99.39           | 192      | 10.69    | 30.99    | 52.51 | 0.1135 | 0.329    | 0.3498 |
|                | 51 B55G | 0.0     | 1.0     | 0.9     | 62.87      | -99.72     | -18.11     | 101.37          | 190      | 10.54    | 31.43    | 49.81 | 0.1148 | 0.3425   | 0.3548 |
|                | 52 B60G | 0.0     | 1.0     | 0.8     | 63.13      | -102.35    | -14.93     | 103.44          | 188      | 10.34    | 31.74    | 47.2  | 0.1158 | 0.3555   | 0.3583 |
| D65-Reflexion: | 53 B65G | 0.0     | 1.0     | 0.7     | 63.29      | -106.9     | -11.73     | 107.56          | 186      | 9.85     | 31.93    | 44.51 | 0.1141 | 0.37     | 0.3605 |
| YN = 2.52      | 54 B70G | 0.0     | 1.0     | 0.6     | 63.44      | -112.24    | -8.26      | 112.55          | 184      | 9.27     | 32.12    | 41.69 | 0.1116 | 0.3866   | 0.3625 |
| L*N = 18.01    | 55 B75G | 0.0     | 1.0     | 0.5     | 63.59      | -116.46    | -4.46      | 116.55          | 182      | 8.85     | 32.3     | 38.72 | 0.1108 | 0.4044   | 0.3646 |
|                | 56 B80G | 0.0     | 1.0     | 0.4     | 63.75      | -120.27    | -0.51      | 120.28          | 180      | 8.49     | 32.5     | 35.78 | 0.1105 | 0.4233   | 0.3668 |
|                | 57 B85G | 0.0     | 1.0     | 0.3     | 63.88      | -123.41    | 3.7        | 123.48          | 178      | 8.2      | 32.66    | 32.77 | 0.1113 | 0.4436   | 0.3687 |
|                | 58 B90G | 0.0     | 1.0     | 0.2     | 64.07      | -126.14    | 9.94       | 126.54          | 175      | 7.98     | 32.89    | 28.61 | 0.1149 | 0.4733   | 0.3712 |
|                | 59 B95G | 0.0     | 1.0     | 0.1     | 64.45      | -126.98    | 20.23      | 128.59          | 171      | 8.07     | 33.36    | 22.63 | 0.126  | 0.5207   | 0.3765 |
|                | 60 G00Y | 0.0     | 1.0     | 0.0     | 64.96      | -127.15    | 34.18      | 131.67          | 165      | 8.3      | 34.0     | 15.94 | 0.1425 | 0.5838   | 0.3838 |
|                | 61 G05Y | 0.05    | 1.0     | 0.0     | 65.58      | -115.11    | 46.26      | 124.07          | 158      | 10.06    | 34.78    | 11.45 | 0.1787 | 0.6179   | 0.3926 |
|                | 62 G10Y | 0.1     | 1.0     | 0.0     | 66.3       | -101.63    | 56.61      | 116.35          | 151      | 12.33    | 35.71    | 8.44  | 0.2182 | 0.6323   | 0.4031 |
|                | 63 G15Y | 0.15    | 1.0     | 0.0     | 67.19      | -89.87     | 67.86      | 112.62          | 143      | 14.75    | 36.88    | 5.87  | 0.2565 | 0.6414   | 0.4163 |
|                | 64 G20Y | 0.2     | 1.0     | 0.0     | 68.26      | -78.15     | 77.63      | 110.16          | 135      | 17.6     | 38.32    | 4.21  | 0.2927 | 0.6372   | 0.4326 |
|                | 65 G25Y | 0.25    | 1.0     | 0.0     | 69.59      | -67.67     | 84.15      | 107.99          | 129      | 20.78    | 40.16    | 3.47  | 0.3226 | 0.6235   | 0.4534 |
|                | 66 G30Y | 0.3     | 1.0     | 0.0     | 71.18      | -59.35     | 91.01      | 108.66          | 123      | 24.09    | 42.45    | 2.84  | 0.3472 | 0.6119   | 0.4791 |
|                | 67 G35Y | 0.35    | 1.0     | 0.0     | 73.01      | -51.7      | 95.6       | 108.69          | 118      | 27.81    | 45.18    | 2.64  | 0.3677 | 0.5974   | 0.51   |
|                | 68 G40Y | 0.4     | 1.0     | 0.0     | 75.07      | -45.36     | 100.17     | 109.97          | 114      | 31.82    | 48.4     | 2.5   | 0.3847 | 0.5851   | 0.5463 |
|                | 69 G45Y | 0.45    | 1.0     | 0.0     | 77.32      | -40.31     | 104.4      | 111.92          | 111      | 36.05    | 52.07    | 2.45  | 0.398  | 0.5749   | 0.5878 |
|                | 70 G50Y | 0.5     | 1.0     | 0.0     | 79.63      | -36.36     | 108.12     | 114.07          | 109      | 40.36    | 56.02    | 2.49  | 0.4082 | 0.5666   | 0.6324 |
|                | 71 G55Y | 0.55    | 1.0     | 0.0     | 81.86      | -33.17     | 111.22     | 116.07          | 107      | 44.63    | 60.04    | 2.59  | 0.4161 | 0.5598   | 0.6777 |
|                | 72 G60Y | 0.6     | 1.0     | 0.0     | 83.84      | -30.41     | 114.07     | 118.05          | 105      | 48.64    | 63.76    | 2.67  | 0.4227 | 0.5541   | 0.7198 |
|                | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.48      | -27.63     | 116.77     | 120.0           | 103      | 52.32    | 66.96    | 2.68  | 0.429  | 0.549    | 0.7558 |
|                | 74 G70Y | 0.7     | 1.0     | 0.0     | 86.84      | -24.84     | 119.23     | 121.79          | 102      | 55.7     | 69.68    | 2.67  | 0.435  | 0.5442   | 0.7866 |
|                | 75 G75Y | 0.75    | 1.0     | 0.0     | 87.97      | -21.89     | 121.4      | 123.36          | 100      | 58.88    | 72.0     | 2.64  | 0.441  | 0.5393   | 0.8128 |
|                | 76 G80Y | 0.8     | 1.0     | 0.0     | 88.88      | -18.67     | 123.05     | 124.46          | 99       | 61.89    | 73.91    | 2.63  | 0.4471 | 0.5339   | 0.8343 |
|                | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.56      | -15.11     | 124.45     | 125.37          | 97       | 64.71    | 75.35    | 2.59  | 0.4536 | 0.5282   | 0.8506 |
|                | 78 G90Y | 0.9     | 1.0     | 0.0     | 90.15      | -11.09     | 125.44     | 125.93          | 95       | 67.66    | 76.63    | 2.6   | 0.4606 | 0.5217   | 0.865  |
|                | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.7       | -6.38      | 125.44     | 125.6           | 93       | 70.92    | 77.82    | 2.73  | 0.4682 | 0.5138   | 0.8784 |
|                | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.76      | -0.83      | 124.61     | 124.61          | 90       | 73.68    | 77.95    | 2.86  | 0.4769 | 0.5046   | 0.8799 |
|                | 81 9500 | 1.0     | 1.0     | 1.0     | 18.01      | 0.0        | 0.0        | 0.01            | 0        | 2.4      | 2.52     | 2.74  | 0.3127 | 0.329    | 0.0284 |
|                | 82 9000 | 0.944   | 0.944   | 0.944   | 25.06      | 0.0        | 0.0        | 0.01            | 0        | 4.21     | 4.43     | 4.83  | 0.3127 | 0.329    | 0.0501 |
|                | 83 8500 | 0.889   | 0.889   | 0.889   | 30.62      | 0.0        | 0.0        | 0.01            | 139      | 6.17     | 6.49     | 7.07  | 0.3127 | 0.329    | 0.0733 |
|                | 84 8000 | 0.833   | 0.833   | 0.833   | 35.41      | 0.0        | 0.0        | 0.01            | 0        | 8.27     | 8.7      | 9.48  | 0.3127 | 0.329    | 0.0982 |
|                | 85 7500 | 0.778   | 0.778   | 0.778   | 39.73      | 0.0        | 0.0        | 0.01            | 280      | 10.54    | 11.09    | 12.07 | 0.3127 | 0.329    | 0.1252 |
|                | 86 7000 | 0.722   | 0.722   | 0.722   | 43.75      | 0.0        | 0.0        | 0.01            | 0        | 12.99    | 13.67    | 14.88 | 0.3127 | 0.329    | 0.1543 |
|                | 87 6500 | 0.667   | 0.667   | 0.667   | 47.58      | 0.0        | 0.0        | 0.01            | 158      | 15.65    | 16.46    | 17.93 | 0.3127 | 0.329    | 0.1858 |
|                | 88 6000 | 0.611   | 0.611   | 0.611   | 51.28      | 0.0        | 0.0        | 0.01            | 158      | 18.55    | 19.51    | 21.25 | 0.3127 | 0.329    | 0.2203 |
|                | 89 5500 | 0.556   | 0.556   | 0.556   | 54.92      | 0.0        | 0.0        | 0.01            | 0        | 21.72    | 22.85    | 24.88 | 0.3127 | 0.329    | 0.258  |
|                | 90 5000 | 0.5     | 0.5     | 0.5     | 58.52      | 0.0        | 0.0        | 0.01            | 0        | 25.19    | 26.51    | 28.86 | 0.3127 | 0.329    | 0.2992 |
|                | 91 4500 | 0.444   | 0.444   | 0.444   | 62.13      | 0.0        | 0.0        | 0.01            | 85       | 29.04    | 30.55    | 33.26 | 0.3127 | 0.329    | 0.3449 |
|                | 92 4000 | 0.389   | 0.389   | 0.389   | 65.78      | 0.0        | 0.0        | 0.01            | 165      | 33.3     | 35.04    | 38.15 | 0.3127 | 0.329    | 0.3955 |
|                | 93 3500 | 0.333   | 0.333   | 0.333   | 69.49      | 0.0        | 0.0        | 0.01            | 85       | 38.05    | 40.03    | 43.59 | 0.3127 | 0.329    | 0.4519 |
|                | 94 3000 | 0.278   | 0.278   | 0.278   | 73.31      | 0.0        | 0.0        | 0.01            | 85       | 43.38    | 45.64    | 49.7  | 0.3127 | 0.329    | 0.5152 |
|                | 95 2500 | 0.222   | 0.222   | 0.222   | 77.27      | 0.0        | 0.0        | 0.01            | 158      | 49.4     | 51.98    | 56.6  | 0.3127 | 0.329    | 0.5867 |
|                | 96 2000 | 0.167   | 0.167   | 0.167   | 81.41      | 0.0        | 0.0        | 0.01            | 158      | 56.28    | 59.22    | 64.48 | 0.3127 | 0.329    | 0.6684 |
|                | 97 1500 | 0.111   | 0.111   | 0.111   | 85.77      | 0.0        | 0.0        | 0.01            | 169      | 64.18    | 67.53    | 73.53 | 0.3127 | 0.329    | 0.7623 |
|                | 98 1000 | 0.056   | 0.056   | 0.056   | 90.42      | 0.0        | 0.0        | 0.01            | 21       | 73.38    | 77.21    | 84.06 | 0.3127 | 0.329    | 0.8715 |
|                | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 339      | 84.2     | 88.59    | 96.46 | 0.3127 | 0.329    | 1.0    |

n = 88.59 / (88.59 + 2.52) = 0.972

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rhata

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS18a für Helligkeit  $L^*=18$  von Schwarz für D65

System NLS18a  
 NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 90.8 \ 124.6 \ 90$

$Y_N = 2.52$

$L^*_N = 18.01$

$LAB^*_a = 90.8 \ -0.8 \ 124.6$

**G Grün**

$LCH^*_a = 65.0 \ 131.7 \ 165$

$LAB^*_a = 65.0 \ -127.2 \ 34.2$

**C\_e Cyan\_e**

$LCH^*_a = 62.5 \ 99.4 \ 192$

$LAB^*_a = 62.5 \ -97.0 \ -21.5$

**B Blau**

$LCH^*_a = 53.8 \ 69.9 \ 249 \ -1.0$

$LAB^*_a = 53.8 \ -24.7 \ -65.3$

**R Rot**

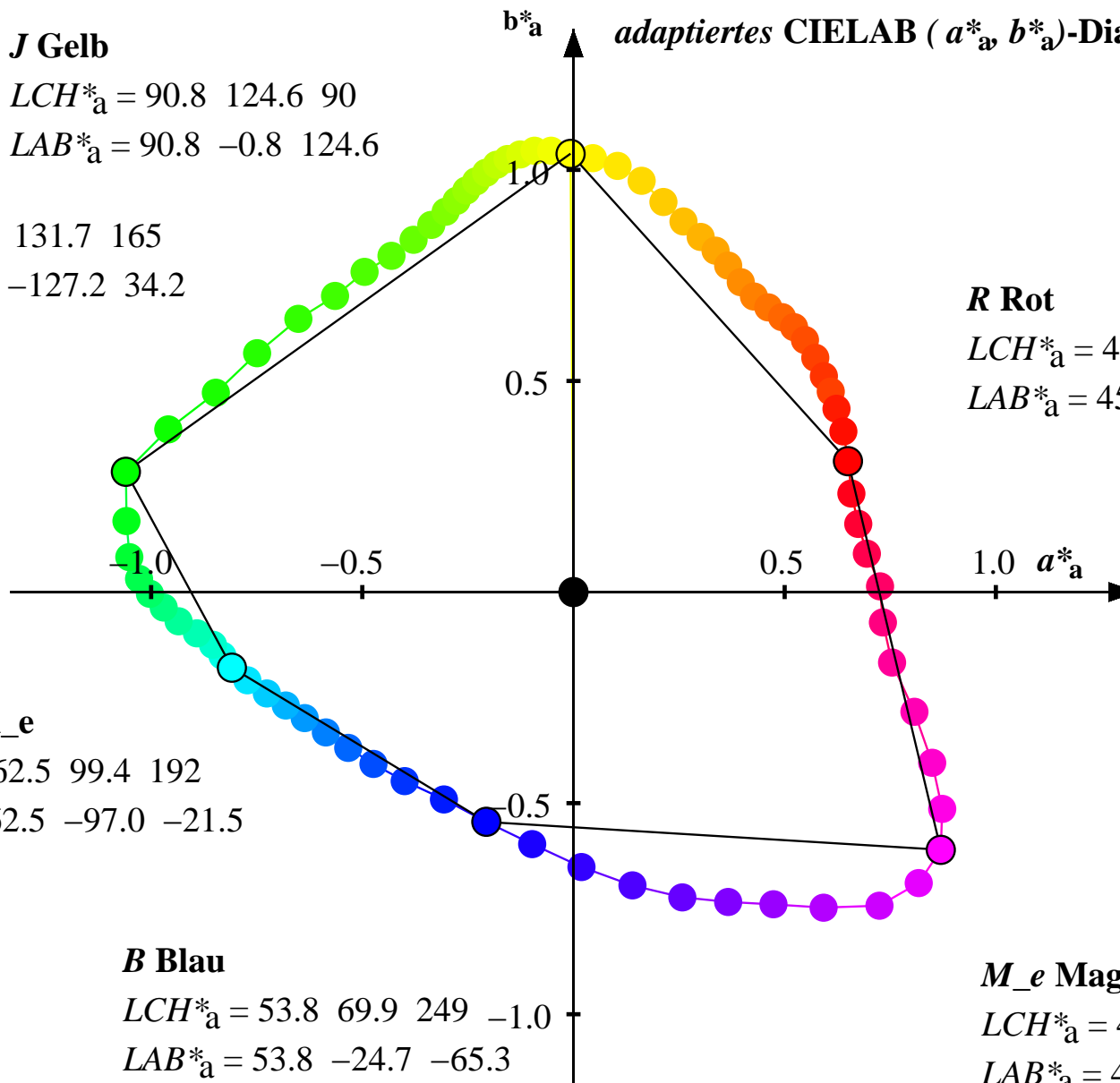
$LCH^*_a = 45.7 \ 86.4 \ 25$

$LAB^*_a = 45.7 \ 78.0 \ 37.2$

**M\_e Magenta\_e**

$LCH^*_a = 44.2 \ 127.5 \ 325$

$LAB^*_a = 44.2 \ 104.4 \ -73.2$



Siehe Original/Kopie: http://web.me.com/Klaus.richter/JG25/JG25L0NA.TXT /.PS  
 Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS27a für Helligkeit L\*=27 von Schwarz für D65

| System NLS27a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system     | 00 Y00R | 1.0     | 1.0     | 0.0     | 90.9       | -0.8       | 109.93     | 109.93          | 90     | 73.99    | 78.26    | 5.6      | 0.4687 | 0.4958 | 0.8834   |
|                | 01 Y05R | 1.0     | 0.95    | 0.0     | 90.0       | 5.42       | 108.58     | 108.71          | 87     | 75.12    | 76.3     | 5.55     | 0.4786 | 0.486  | 0.8612   |
|                | 02 Y10R | 1.0     | 0.9     | 0.0     | 88.0       | 12.09      | 105.97     | 106.66          | 83     | 74.18    | 72.06    | 5.37     | 0.4893 | 0.4753 | 0.8134   |
| D65-Reflexion: | 03 Y15R | 1.0     | 0.85    | 0.0     | 84.93      | 18.63      | 101.41     | 103.11          | 80     | 70.99    | 65.86    | 5.21     | 0.4997 | 0.4636 | 0.7434   |
| YN = 5.04      | 04 Y20R | 1.0     | 0.8     | 0.0     | 81.45      | 24.6       | 95.53      | 98.65           | 76     | 66.84    | 59.29    | 5.18     | 0.509  | 0.4515 | 0.6693   |
| L*N = 26.85    | 05 Y25R | 1.0     | 0.75    | 0.0     | 78.39      | 29.98      | 90.21      | 95.06           | 72     | 63.38    | 53.88    | 5.19     | 0.5176 | 0.44   | 0.6082   |
|                | 06 Y30R | 1.0     | 0.7     | 0.0     | 75.7       | 34.69      | 85.87      | 92.61           | 68     | 60.43    | 49.4     | 5.13     | 0.5257 | 0.4297 | 0.5577   |
|                | 07 Y35R | 1.0     | 0.65    | 0.0     | 73.11      | 38.62      | 81.83      | 90.48           | 65     | 57.44    | 45.34    | 5.04     | 0.5327 | 0.4205 | 0.5118   |
|                | 08 Y40R | 1.0     | 0.6     | 0.0     | 70.66      | 42.01      | 77.74      | 88.36           | 62     | 54.57    | 41.7     | 5.01     | 0.5388 | 0.4117 | 0.4707   |
|                | 09 Y45R | 1.0     | 0.55    | 0.0     | 68.48      | 45.26      | 73.58      | 86.38           | 58     | 52.17    | 38.62    | 5.09     | 0.5441 | 0.4028 | 0.436    |
|                | 10 Y50R | 1.0     | 0.5     | 0.0     | 66.52      | 48.7       | 69.89      | 85.19           | 55     | 50.28    | 36.0     | 5.16     | 0.5499 | 0.3937 | 0.4063   |
|                | 11 Y55R | 1.0     | 0.45    | 0.0     | 64.71      | 52.44      | 66.88      | 84.99           | 52     | 48.78    | 33.68    | 5.14     | 0.5569 | 0.3845 | 0.3802   |
|                | 12 Y60R | 1.0     | 0.4     | 0.0     | 62.99      | 56.05      | 64.2       | 85.22           | 49     | 47.4     | 31.57    | 5.08     | 0.564  | 0.3756 | 0.3564   |
|                | 13 Y65R | 1.0     | 0.35    | 0.0     | 61.31      | 59.17      | 61.41      | 85.28           | 46     | 45.93    | 29.6     | 5.05     | 0.57   | 0.3673 | 0.3341   |
|                | 14 Y70R | 1.0     | 0.3     | 0.0     | 59.61      | 61.92      | 58.21      | 84.99           | 43     | 44.35    | 27.69    | 5.11     | 0.5748 | 0.3589 | 0.3126   |
|                | 15 Y75R | 1.0     | 0.25    | 0.0     | 57.84      | 64.46      | 54.13      | 84.18           | 40     | 42.63    | 25.79    | 5.33     | 0.578  | 0.3497 | 0.2911   |
|                | 16 Y80R | 1.0     | 0.2     | 0.0     | 56.02      | 66.54      | 49.87      | 83.16           | 37     | 40.73    | 23.93    | 5.58     | 0.5798 | 0.3407 | 0.2701   |
|                | 17 Y85R | 1.0     | 0.25    | 0.0     | 54.13      | 68.04      | 46.1       | 82.19           | 34     | 38.61    | 22.09    | 5.7      | 0.5815 | 0.3327 | 0.2494   |
|                | 18 Y90R | 1.0     | 0.1     | 0.0     | 52.2       | 69.29      | 41.96      | 81.0            | 31     | 36.45    | 20.32    | 5.89     | 0.5817 | 0.3244 | 0.2294   |
|                | 19 Y95R | 1.0     | 0.05    | 0.0     | 50.3       | 70.74      | 36.9       | 79.78           | 28     | 34.46    | 18.68    | 6.32     | 0.5796 | 0.3141 | 0.2108   |
|                | 20 R00B | 1.0     | 0.0     | 0.0     | 48.55      | 71.58      | 30.38      | 77.76           | 23     | 32.55    | 17.23    | 7.21     | 0.5711 | 0.3024 | 0.1945   |
|                | 21 R05B | 1.0     | 0.0     | 0.1     | 47.16      | 72.16      | 23.19      | 75.8            | 18     | 31.06    | 16.14    | 8.57     | 0.5569 | 0.2894 | 0.1822   |
|                | 22 R10B | 1.0     | 0.0     | 0.2     | 46.24      | 73.64      | 16.29      | 75.42           | 12     | 30.39    | 15.45    | 10.26    | 0.5417 | 0.2753 | 0.1743   |
|                | 23 R15B | 1.0     | 0.0     | 0.3     | 45.75      | 75.87      | 9.3        | 76.44           | 7      | 30.43    | 15.09    | 12.49    | 0.5246 | 0.2601 | 0.1703   |
|                | 24 R20B | 1.0     | 0.0     | 0.4     | 45.41      | 79.16      | 1.46       | 79.17           | 1      | 30.92    | 14.84    | 15.5     | 0.5047 | 0.2423 | 0.1675   |
|                | 25 R25B | 1.0     | 0.0     | 0.5     | 45.07      | 79.86      | -7.59      | 80.22           | 355    | 30.71    | 14.59    | 19.58    | 0.4733 | 0.2249 | 0.1647   |
|                | 26 R30B | 1.0     | 0.0     | 0.6     | 44.97      | 82.22      | -17.91     | 84.15           | 348    | 31.23    | 14.52    | 25.35    | 0.4392 | 0.2042 | 0.1639   |
|                | 27 R35B | 1.0     | 0.0     | 0.7     | 45.34      | 88.33      | -30.96     | 93.6            | 341    | 33.37    | 14.79    | 34.79    | 0.4023 | 0.1783 | 0.1669   |
|                | 28 R40B | 1.0     | 0.0     | 0.8     | 45.93      | 93.31      | -44.68     | 103.46          | 334    | 35.55    | 15.22    | 47.3     | 0.3625 | 0.1552 | 0.1718   |
|                | 29 R45B | 1.0     | 0.0     | 0.9     | 46.52      | 96.2       | -57.28     | 111.97          | 329    | 37.18    | 15.65    | 61.22    | 0.326  | 0.1373 | 0.1767   |
|                | 30 R50B | 1.0     | 0.0     | 1.0     | 47.15      | 96.05      | -68.56     | 118.01          | 324    | 37.96    | 16.13    | 76.03    | 0.2917 | 0.124  | 0.1821   |
|                | 31 R55B | 0.9     | 0.0     | 1.0     | 47.84      | 90.32      | -77.8      | 119.21          | 319    | 37.12    | 16.67    | 90.25    | 0.2577 | 0.1157 | 0.1881   |
|                | 32 R60B | 0.8     | 0.0     | 1.0     | 48.6       | 79.93      | -84.2      | 116.1           | 314    | 35.0     | 17.27    | 101.84   | 0.2271 | 0.1121 | 0.195    |
|                | 33 R65B | 0.7     | 0.0     | 1.0     | 49.33      | 65.24      | -84.84     | 107.04          | 308    | 31.72    | 17.86    | 104.83   | 0.2054 | 0.1157 | 0.2016   |
|                | 34 R70B | 0.6     | 0.0     | 1.0     | 50.12      | 52.09      | -84.09     | 98.92           | 302    | 29.12    | 18.52    | 105.79   | 0.1898 | 0.1207 | 0.209    |
|                | 35 R75B | 0.5     | 0.0     | 1.0     | 50.92      | 40.23      | -83.51     | 92.71           | 296    | 27.0     | 19.2     | 107.1    | 0.1761 | 0.1253 | 0.2167   |
|                | 36 R80B | 0.4     | 0.0     | 1.0     | 51.66      | 28.23      | -82.34     | 87.06           | 289    | 24.89    | 19.85    | 107.28   | 0.1637 | 0.1306 | 0.224    |
|                | 37 R85B | 0.3     | 0.0     | 1.0     | 52.38      | 15.24      | -79.17     | 80.63           | 281    | 22.65    | 20.48    | 104.17   | 0.1537 | 0.1391 | 0.2312   |
|                | 38 R90B | 0.2     | 0.0     | 1.0     | 53.32      | 2.01       | -74.15     | 74.18           | 272    | 20.69    | 21.34    | 98.87    | 0.1469 | 0.1514 | 0.2409   |
|                | 39 R95B | 0.1     | 0.0     | 1.0     | 54.53      | -10.59     | -68.03     | 68.86           | 261    | 19.21    | 22.48    | 92.84    | 0.1428 | 0.1671 | 0.2538   |
|                | 40 B00G | 0.0     | 0.0     | 1.0     | 55.81      | -22.44     | -62.02     | 65.97           | 250    | 17.99    | 23.72    | 87.36    | 0.1394 | 0.1838 | 0.2678   |
|                | 41 B05G | 0.0     | 0.1     | 1.0     | 56.98      | -33.35     | -55.93     | 65.14           | 239    | 16.91    | 24.91    | 81.75    | 0.1369 | 0.2016 | 0.2811   |
|                | 42 B10G | 0.0     | 0.2     | 1.0     | 58.06      | -43.45     | -50.99     | 67.0            | 230    | 15.95    | 26.03    | 77.66    | 0.1333 | 0.2176 | 0.2938   |
|                | 43 B15G | 0.0     | 0.3     | 1.0     | 59.05      | -51.5      | -46.39     | 69.33           | 222    | 15.3     | 27.08    | 73.94    | 0.1315 | 0.2328 | 0.3057   |
|                | 44 B20G | 0.0     | 0.4     | 1.0     | 59.97      | -57.96     | -42.0      | 71.59           | 216    | 14.88    | 28.09    | 70.45    | 0.1312 | 0.2476 | 0.317    |
|                | 45 B25G | 0.0     | 0.5     | 1.0     | 60.8       | -63.77     | -37.81     | 74.15           | 211    | 14.51    | 29.02    | 67.14    | 0.1311 | 0.2622 | 0.3276   |
|                | 46 B30G | 0.0     | 0.6     | 1.0     | 61.54      | -69.18     | -34.01     | 77.1            | 206    | 14.15    | 29.87    | 64.2     | 0.1308 | 0.276  | 0.3371   |
|                | 47 B35G | 0.0     | 0.7     | 1.0     | 62.21      | -74.13     | -30.58     | 80.2            | 202    | 13.83    | 30.65    | 61.63    | 0.1303 | 0.2889 | 0.346    |
|                | 48 B40G | 0.0     | 0.8     | 1.0     | 62.83      | -78.9      | -27.25     | 83.49           | 199    | 13.5     | 31.39    | 59.14    | 0.1298 | 0.3017 | 0.3543   |
|                | 49 B45G | 0.0     | 0.9     | 1.0     | 63.41      | -83.87     | -23.79     | 87.19           | 196    | 13.12    | 32.08    | 56.5     | 0.129  | 0.3154 | 0.3621   |

n = 28.67 / (28.67 + 5.04) = 0.851

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS27a für Helligkeit L\*=27 von Schwarz für D65

| System NLS27a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system     | 50 B50G | 0.0     | 1.0     | 0.0     | 63.9       | -87.83     | -20.35     | 90.17           | 193    | 12.84    | 32.68    | 53.8     | 0.1293 | 0.329  | 0.3689   |
|                | 51 B55G | 0.0     | 1.0     | 0.9     | 64.25      | -90.27     | -17.13     | 91.9            | 191    | 12.7     | 33.11    | 51.17    | 0.1309 | 0.3414 | 0.3737   |
|                | 52 B60G | 0.0     | 1.0     | 0.8     | 64.49      | -92.61     | -14.11     | 93.69           | 189    | 12.5     | 33.4     | 48.64    | 0.1323 | 0.3533 | 0.3771   |
| D65-Reflexion: | 53 B65G | 0.0     | 1.0     | 0.7     | 64.64      | -96.56     | -11.07     | 97.2            | 187    | 12.02    | 33.59    | 46.04    | 0.1312 | 0.3665 | 0.3792   |
| YN = 5.04      | 54 B70G | 0.0     | 1.0     | 0.6     | 64.78      | -101.13    | -7.78      | 101.44          | 184    | 11.46    | 33.77    | 43.29    | 0.1295 | 0.3815 | 0.3812   |
| L*N = 26.85    | 55 B75G | 0.0     | 1.0     | 0.5     | 64.92      | -104.74    | -4.19      | 104.83          | 182    | 11.05    | 33.95    | 40.41    | 0.1294 | 0.3975 | 0.3832   |
|                | 56 B80G | 0.0     | 1.0     | 0.4     | 65.07      | -107.99    | -0.48      | 108.0           | 180    | 10.7     | 34.14    | 37.56    | 0.1299 | 0.4143 | 0.3854   |
|                | 57 B85G | 0.0     | 1.0     | 0.3     | 65.2       | -110.66    | 3.47       | 110.73          | 178    | 10.42    | 34.3     | 34.64    | 0.1313 | 0.4322 | 0.3872   |
|                | 58 B90G | 0.0     | 1.0     | 0.2     | 65.37      | -113.0     | 9.29       | 113.39          | 175    | 10.21    | 34.52    | 30.6     | 0.1356 | 0.4582 | 0.3896   |
|                | 59 B95G | 0.0     | 1.0     | 0.1     | 65.73      | -113.88    | 18.78      | 115.43          | 171    | 10.3     | 34.97    | 24.8     | 0.147  | 0.4991 | 0.3948   |
|                | 60 G00Y | 0.0     | 1.0     | 0.0     | 66.21      | -114.28    | 31.37      | 118.52          | 165    | 10.22    | 35.6     | 18.3     | 0.1633 | 0.5526 | 0.4018   |
|                | 61 G05Y | 0.05    | 1.0     | 0.0     | 66.79      | -104.43    | 41.95      | 112.55          | 158    | 12.53    | 36.36    | 13.93    | 0.1956 | 0.5815 | 0.4104   |
|                | 62 G10Y | 0.1     | 1.0     | 0.0     | 67.47      | -93.04     | 50.71      | 105.97          | 151    | 14.43    | 37.26    | 11.02    | 0.2301 | 0.5942 | 0.4206   |
|                | 63 G15Y | 0.15    | 1.0     | 0.0     | 68.31      | -82.89     | 59.8       | 102.22          | 144    | 16.78    | 38.39    | 8.52     | 0.2634 | 0.6027 | 0.4334   |
|                | 64 G20Y | 0.2     | 1.0     | 0.0     | 69.32      | -72.58     | 67.32      | 99.0            | 137    | 19.55    | 39.79    | 6.91     | 0.2951 | 0.6006 | 0.4492   |
|                | 65 G25Y | 0.25    | 1.0     | 0.0     | 70.58      | -63.24     | 72.37      | 96.11           | 131    | 22.64    | 41.58    | 6.19     | 0.3215 | 0.5905 | 0.4694   |
|                | 66 G30Y | 0.3     | 1.0     | 0.0     | 72.09      | -55.77     | 77.6       | 95.57           | 126    | 25.85    | 43.8     | 5.58     | 0.3436 | 0.5823 | 0.4944   |
|                | 67 G35Y | 0.35    | 1.0     | 0.0     | 73.84      | -48.82     | 81.48      | 94.99           | 121    | 29.46    | 46.45    | 5.38     | 0.3624 | 0.5714 | 0.5244   |
|                | 68 G40Y | 0.4     | 1.0     | 0.0     | 75.81      | -43.03     | 85.48      | 95.71           | 117    | 33.35    | 49.57    | 5.25     | 0.3782 | 0.5622 | 0.5596   |
|                | 69 G45Y | 0.45    | 1.0     | 0.0     | 77.96      | -38.39     | 89.4       | 97.3            | 113    | 37.46    | 53.14    | 5.21     | 0.391  | 0.5547 | 0.5998   |
|                | 70 G50Y | 0.5     | 1.0     | 0.0     | 80.17      | -34.74     | 93.06      | 99.33           | 110    | 41.64    | 56.98    | 5.24     | 0.4009 | 0.5486 | 0.6432   |
|                | 71 G55Y | 0.55    | 1.0     | 0.0     | 82.31      | -31.78     | 96.31      | 101.42          | 108    | 45.78    | 60.87    | 5.34     | 0.4088 | 0.5435 | 0.6871   |
|                | 72 G60Y | 0.6     | 1.0     | 0.0     | 84.22      | -29.2      | 99.26      | 103.47          | 106    | 49.68    | 64.49    | 5.41     | 0.4154 | 0.5393 | 0.728    |
|                | 73 G65Y | 0.65    | 1.0     | 0.0     | 85.8       | -26.58     | 101.91     | 105.32          | 105    | 53.25    | 67.59    | 5.43     | 0.4217 | 0.5353 | 0.763    |
|                | 74 G70Y | 0.7     | 1.0     | 0.0     | 87.11      | -23.93     | 104.24     | 106.95          | 103    | 56.53    | 70.23    | 5.41     | 0.4277 | 0.5314 | 0.7928   |
|                | 75 G75Y | 0.75    | 1.0     | 0.0     | 88.2       | -21.11     | 106.26     | 108.33          | 101    | 59.63    | 72.49    | 5.38     | 0.4336 | 0.5272 | 0.8183   |
|                | 76 G80Y | 0.8     | 1.0     | 0.0     | 89.08      | -18.03     | 107.82     | 109.32          | 99     | 62.54    | 74.34    | 5.37     | 0.4397 | 0.5226 | 0.8391   |
|                | 77 G85Y | 0.85    | 1.0     | 0.0     | 89.74      | -14.6      | 109.09     | 110.07          | 98     | 65.28    | 75.74    | 5.34     | 0.446  | 0.5175 | 0.8549   |
|                | 78 G90Y | 0.9     | 1.0     | 0.0     | 90.31      | -10.72     | 110.06     | 110.58          | 96     | 68.14    | 76.98    | 5.35     | 0.4529 | 0.5116 | 0.869    |
|                | 79 G95Y | 0.95    | 1.0     | 0.0     | 90.84      | -6.18      | 110.4      | 110.58          | 93     | 71.31    | 78.14    | 5.47     | 0.4603 | 0.5044 | 0.882    |
|                | 80 Y00R | 0.0     | 1.0     | 0.0     | 90.9       | -0.8       | 109.93     | 109.93          | 90     | 73.99    | 78.26    | 5.6      | 0.4687 | 0.4958 | 0.8834   |
|                | 81 9500 | 1.0     | 1.0     | 1.0     | 26.85      | 0.0        | 0.0        | 0.01            | 0      | 4.79     | 5.04     | 5.49     | 0.3127 | 0.329  | 0.0569   |
|                | 82 9000 | 0.944   | 0.944   | 0.944   | 31.57      | 0.0        | 0.0        | 0.01            | 0      | 6.56     | 6.9      | 7.51     | 0.3127 | 0.329  | 0.0779   |
|                | 83 8500 | 0.889   | 0.889   | 0.889   | 35.78      | 0.0        | 0.0        | 0.01            | 0      | 8.45     | 8.9      | 9.69     | 0.3127 | 0.329  | 0.1004   |
|                | 84 8000 | 0.833   | 0.833   | 0.833   | 39.65      | 0.0        | 0.0        | 0.01            | 339    | 10.49    | 11.04    | 12.02    | 0.3127 | 0.329  | 0.1246   |
|                | 85 7500 | 0.778   | 0.778   | 0.778   | 43.3       | 0.0        | 0.0        | 0.01            | 0      | 12.7     | 13.36    | 14.54    | 0.3127 | 0.329  | 0.1508   |
|                | 86 7000 | 0.722   | 0.722   | 0.722   | 46.79      | 0.0        | 0.0        | 0.01            | 0      | 15.08    | 15.86    | 17.27    | 0.3127 | 0.329  | 0.1791   |
|                | 87 6500 | 0.667   | 0.667   | 0.667   | 50.19      | 0.0        | 0.0        | 0.01            | 169    | 17.65    | 18.58    | 20.23    | 0.3127 | 0.329  | 0.2097   |
|                | 88 6000 | 0.611   | 0.611   | 0.611   | 53.53      | 0.0        | 0.0        | 0.01            | 140    | 20.47    | 21.54    | 23.45    | 0.3127 | 0.329  | 0.2431   |
|                | 89 5500 | 0.556   | 0.556   | 0.556   | 56.86      | 0.0        | 0.0        | 0.01            | 0      | 23.55    | 24.78    | 26.98    | 0.3127 | 0.329  | 0.2797   |
|                | 90 5000 | 0.5     | 0.5     | 0.5     | 60.18      | 0.0        | 0.0        | 0.01            | 339    | 26.92    | 28.33    | 30.84    | 0.3127 | 0.329  | 0.3197   |
|                | 91 4500 | 0.444   | 0.444   | 0.444   | 63.55      | 0.0        | 0.0        | 0.01            | 0      | 30.65    | 32.25    | 35.11    | 0.3127 | 0.329  | 0.364    |
|                | 92 4000 | 0.389   | 0.389   | 0.389   | 66.98      | 0.0        | 0.0        | 0.01            | 169    | 34.79    | 36.6     | 39.85    | 0.3127 | 0.329  | 0.4132   |
|                | 93 3500 | 0.333   | 0.333   | 0.333   | 70.49      | 0.0        | 0.0        | 0.01            | 158    | 39.4     | 41.45    | 45.13    | 0.3127 | 0.329  | 0.4679   |
|                | 94 3000 | 0.278   | 0.278   | 0.278   | 74.13      | 0.0        | 0.0        | 0.01            | 0      | 44.57    | 46.9     | 51.06    | 0.3127 | 0.329  | 0.5294   |
|                | 95 2500 | 0.222   | 0.222   | 0.222   | 77.91      | 0.0        | 0.0        | 0.01            | 180    | 50.42    | 53.05    | 57.76    | 0.3127 | 0.329  | 0.5988   |
|                | 96 2000 | 0.167   | 0.167   | 0.167   | 81.88      | 0.0        | 0.0        | 0.01            | 158    | 57.1     | 60.08    | 65.41    | 0.3127 | 0.329  | 0.6782   |
|                | 97 1500 | 0.111   | 0.111   | 0.111   | 86.08      | 0.0        | 0.0        | 0.01            | 165    | 64.77    | 68.15    | 74.2     | 0.3127 | 0.329  | 0.7692   |
|                | 98 1000 | 0.056   | 0.056   | 0.056   | 90.57      | 0.0        | 0.0        | 0.01            | 88     | 73.69    | 77.54    | 84.42    | 0.3127 | 0.329  | 0.8753   |
|                | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 0      | 84.2     | 88.59    | 96.46    | 0.3127 | 0.329  | 1.0      |

n = 88.59 / (88.59 + 5.04) = 0.946

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Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS27a für Helligkeit  $L^*=27$  von Schwarz für D65

System NLS27a  
 NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 90.9 \ 109.9 \ 90$

$Y_N = 5.04$

$L^*_N = 26.85$   $LAB^*_a = 90.9 \ -0.8 \ 109.9$

**G Grün**

$LCH^*_a = 66.2 \ 118.5 \ 165$

$LAB^*_a = 66.2 \ -114.3 \ 31.4$

**C\_e Cyan\_e**

$LCH^*_a = 63.9 \ 90.2 \ 193$

$LAB^*_a = 63.9 \ -87.8 \ -20.4$

**B Blau**

$LCH^*_a = 55.8 \ 66.0 \ 250 \ -1.0$

$LAB^*_a = 55.8 \ -22.4 \ -62.0$

**R Rot**

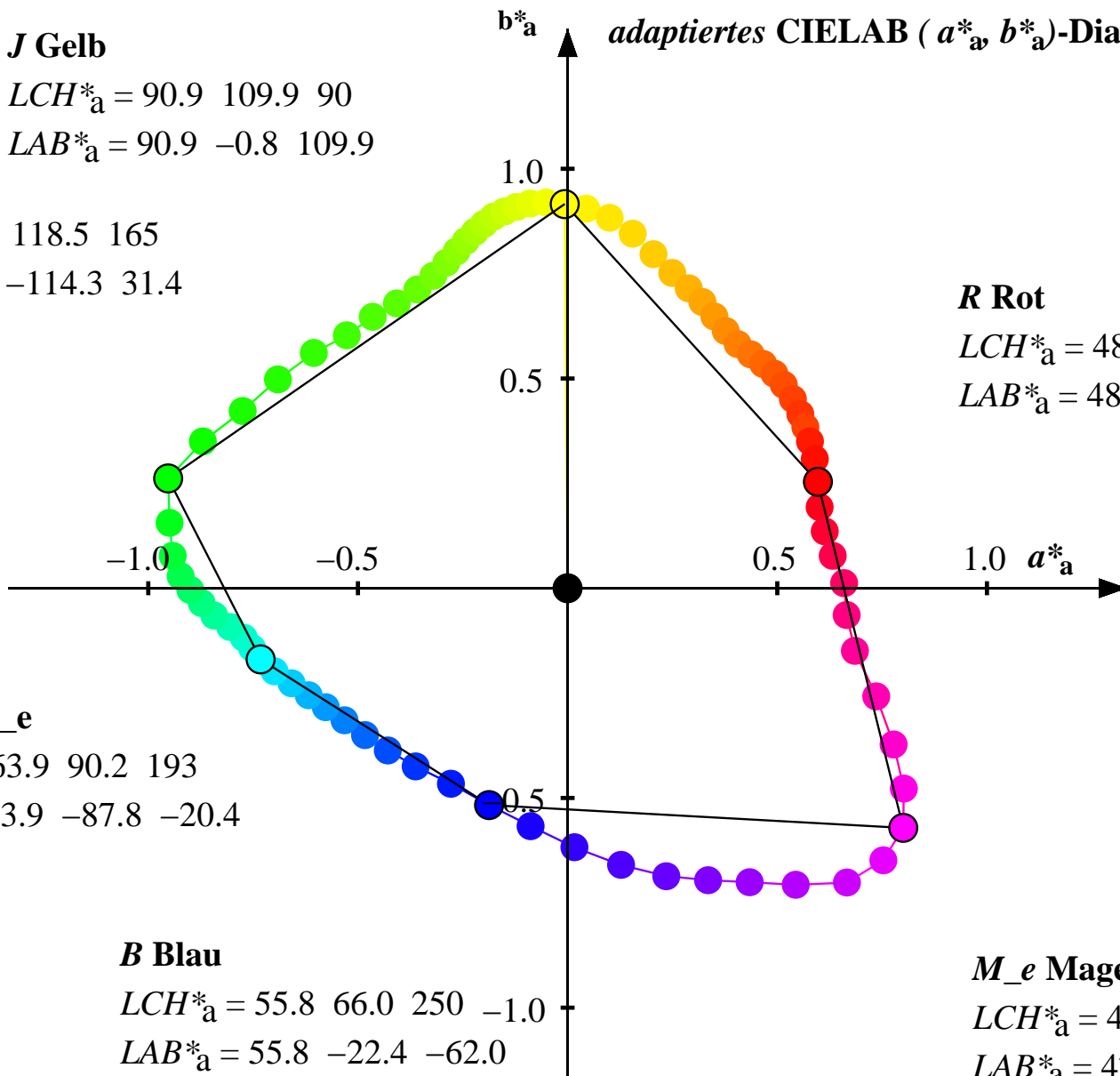
$LCH^*_a = 48.6 \ 77.8 \ 23$

$LAB^*_a = 48.6 \ 71.6 \ 30.4$

**M\_e Magenta\_e**

$LCH^*_a = 47.1 \ 118.0 \ 324$

$LAB^*_a = 47.1 \ 96.0 \ -68.6$



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TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS38a für Helligkeit L\*=38 von Schwarz für D65

Table with columns: System NLS38a, Farbe, r=olv\*1, g=olv\*2, b=olv\*3, L\*a=LAB\*1a, a\*a=LAB\*2a, b\*a=LAB\*3a, C\*ab,a=LAB\*ab,a, Xa=XYZ1a, Ya=XYZ2a, Za=XYZ3a, xa, ya, Ya/88.59. Rows include NCS system (00-19), D65-Reflexion (Yn=10.08, Ln\*=37.99), and various color patches (20-49).

n = 28.67 / (28.67 + 10.08) = 0.74

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TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS Anwendung für Messung von Drucker- oder Monitorsystemen TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS38a für Helligkeit L\*=38 von Schwarz für D65

| System NLS38a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|----------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system     | 50 B50G | 0.0     | 1.0     | 1.0     | 66.56      | -73.34     | -18.24     | 75.59           | 194    | 17.14    | 36.05    | 56.37    | 0.1565 | 0.329  | 0.4069   |
|                | 51 B55G | 0.0     | 1.0     | 0.9     | 66.86      | -75.39     | -15.34     | 76.94           | 192    | 17.01    | 36.45    | 53.9     | 0.1584 | 0.3395 | 0.4115   |
|                | 52 B60G | 0.0     | 1.0     | 0.8     | 67.08      | -77.31     | -12.61     | 78.34           | 189    | 16.83    | 36.73    | 51.52    | 0.1601 | 0.3495 | 0.4146   |
| D65-Reflexion: | 53 B65G | 0.0     | 1.0     | 0.7     | 67.21      | -80.41     | -9.87      | 81.02           | 187    | 16.38    | 36.91    | 49.08    | 0.16   | 0.3606 | 0.4166   |
| YN = 10.08     | 54 B70G | 0.0     | 1.0     | 0.6     | 67.34      | -83.97     | -6.92      | 84.26           | 185    | 15.85    | 37.08    | 46.5     | 0.1594 | 0.3729 | 0.4185   |
| L*N = 37.99    | 55 B75G | 0.0     | 1.0     | 0.5     | 67.46      | -86.77     | -3.72      | 86.86           | 182    | 15.46    | 37.25    | 43.79    | 0.1603 | 0.386  | 0.4204   |
|                | 56 B80G | 0.0     | 1.0     | 0.4     | 67.59      | -89.28     | -0.42      | 89.3            | 180    | 15.14    | 37.42    | 41.11    | 0.1616 | 0.3995 | 0.4224   |
|                | 57 B85G | 0.0     | 1.0     | 0.3     | 67.7       | -91.35     | 3.06       | 91.41           | 178    | 14.87    | 37.57    | 38.37    | 0.1638 | 0.4138 | 0.4241   |
|                | 58 B90G | 0.0     | 1.0     | 0.2     | 67.86      | -93.19     | 8.14       | 93.55           | 175    | 14.68    | 37.78    | 34.57    | 0.1687 | 0.4341 | 0.4264   |
|                | 59 B95G | 0.0     | 1.0     | 0.1     | 68.17      | -94.07     | 16.27      | 95.47           | 170    | 14.76    | 38.21    | 29.12    | 0.1798 | 0.4655 | 0.4313   |
|                | 60 G00Y | 0.0     | 1.0     | 0.0     | 68.6       | -94.66     | 26.73      | 98.37           | 164    | 14.96    | 38.8     | 23.01    | 0.1949 | 0.5053 | 0.4379   |
|                | 61 G05Y | 0.05    | 1.0     | 0.0     | 69.12      | -87.55     | 35.16      | 94.36           | 158    | 16.57    | 39.51    | 18.91    | 0.221  | 0.5268 | 0.4459   |
|                | 62 G10Y | 0.1     | 1.0     | 0.0     | 69.72      | -78.99     | 41.88      | 89.41           | 152    | 18.64    | 40.36    | 16.17    | 0.248  | 0.5369 | 0.4555   |
|                | 63 G15Y | 0.15    | 1.0     | 0.0     | 70.47      | -71.16     | 48.55      | 86.15           | 146    | 20.85    | 41.42    | 13.83    | 0.274  | 0.5443 | 0.4676   |
|                | 64 G20Y | 0.2     | 1.0     | 0.0     | 71.38      | -62.99     | 53.93      | 82.93           | 139    | 23.45    | 42.74    | 12.31    | 0.2987 | 0.5444 | 0.4824   |
|                | 65 G25Y | 0.25    | 1.0     | 0.0     | 72.51      | -55.44     | 57.68      | 80.01           | 134    | 26.35    | 44.42    | 11.64    | 0.3198 | 0.539  | 0.5014   |
|                | 66 G30Y | 0.3     | 1.0     | 0.0     | 73.87      | -49.33     | 61.63      | 78.95           | 129    | 29.37    | 46.5     | 11.06    | 0.3378 | 0.5349 | 0.5249   |
|                | 67 G35Y | 0.35    | 1.0     | 0.0     | 75.45      | -43.56     | 64.87      | 78.14           | 124    | 32.77    | 48.99    | 10.88    | 0.3537 | 0.5289 | 0.553    |
|                | 68 G40Y | 0.4     | 1.0     | 0.0     | 77.24      | -38.7      | 68.3       | 78.51           | 120    | 36.42    | 51.93    | 10.75    | 0.3675 | 0.524  | 0.5861   |
|                | 69 G45Y | 0.45    | 1.0     | 0.0     | 79.2       | -34.78     | 71.81      | 79.79           | 116    | 40.28    | 55.28    | 10.71    | 0.379  | 0.5202 | 0.624    |
|                | 70 G50Y | 0.5     | 1.0     | 0.0     | 81.23      | -31.66     | 75.22      | 81.62           | 113    | 44.21    | 58.88    | 10.74    | 0.3884 | 0.5173 | 0.6647   |
|                | 71 G55Y | 0.55    | 1.0     | 0.0     | 83.2       | -29.12     | 78.37      | 83.61           | 110    | 48.1     | 62.54    | 10.83    | 0.396  | 0.5149 | 0.706    |
|                | 72 G60Y | 0.6     | 1.0     | 0.0     | 84.97      | -26.87     | 81.21      | 85.54           | 108    | 51.76    | 65.94    | 10.9     | 0.4025 | 0.5127 | 0.7444   |
|                | 73 G65Y | 0.65    | 1.0     | 0.0     | 86.43      | -24.54     | 83.69      | 87.22           | 106    | 55.12    | 68.86    | 10.92    | 0.4086 | 0.5104 | 0.7773   |
|                | 74 G70Y | 0.7     | 1.0     | 0.0     | 87.65      | -22.16     | 85.83      | 88.65           | 104    | 58.2     | 71.34    | 10.9     | 0.4144 | 0.508  | 0.8053   |
|                | 75 G75Y | 0.75    | 1.0     | 0.0     | 88.67      | -19.59     | 87.66      | 89.82           | 103    | 61.11    | 73.46    | 10.88    | 0.4201 | 0.5051 | 0.8292   |
|                | 76 G80Y | 0.8     | 1.0     | 0.0     | 89.49      | -16.76     | 89.1       | 90.67           | 101    | 63.85    | 75.2     | 10.87    | 0.4259 | 0.5016 | 0.8488   |
|                | 77 G85Y | 0.85    | 1.0     | 0.0     | 90.1       | -13.6      | 90.24      | 91.26           | 99     | 66.42    | 76.52    | 10.84    | 0.4319 | 0.4976 | 0.8637   |
|                | 78 G90Y | 0.9     | 1.0     | 0.0     | 90.63      | -10.0      | 91.15      | 91.7            | 96     | 69.11    | 77.68    | 10.84    | 0.4384 | 0.4928 | 0.8769   |
|                | 79 G95Y | 0.95    | 1.0     | 0.0     | 91.13      | -5.77      | 91.67      | 91.85           | 94     | 72.08    | 78.77    | 10.96    | 0.4455 | 0.4868 | 0.8891   |
|                | 80 Y00R | 0.0     | 1.0     | 0.0     | 91.18      | -0.75      | 91.42      | 91.42           | 90     | 74.61    | 78.89    | 11.08    | 0.4533 | 0.4793 | 0.8905   |
|                | 81 9500 | 1.0     | 1.0     | 1.0     | 37.99      | 0.0        | 0.0        | 0.01            | 0      | 9.58     | 10.08    | 10.98    | 0.3127 | 0.329  | 0.1138   |
|                | 82 9000 | 0.944   | 0.944   | 0.944   | 40.94      | 0.0        | 0.0        | 0.01            | 0      | 11.24    | 11.83    | 12.88    | 0.3127 | 0.329  | 0.1335   |
|                | 83 8500 | 0.889   | 0.889   | 0.889   | 43.8       | 0.0        | 0.0        | 0.01            | 0      | 13.02    | 13.7     | 14.92    | 0.3127 | 0.329  | 0.1547   |
|                | 84 8000 | 0.833   | 0.833   | 0.833   | 46.61      | 0.0        | 0.0        | 0.01            | 0      | 14.94    | 15.72    | 17.12    | 0.3127 | 0.329  | 0.1775   |
|                | 85 7500 | 0.778   | 0.778   | 0.778   | 49.37      | 0.0        | 0.0        | 0.01            | 0      | 17.01    | 17.9     | 19.49    | 0.3127 | 0.329  | 0.202    |
|                | 86 7000 | 0.722   | 0.722   | 0.722   | 52.12      | 0.0        | 0.0        | 0.01            | 0      | 19.25    | 20.25    | 22.05    | 0.3127 | 0.329  | 0.2286   |
|                | 87 6500 | 0.667   | 0.667   | 0.667   | 54.86      | 0.0        | 0.0        | 0.01            | 158    | 21.67    | 22.8     | 24.82    | 0.3127 | 0.329  | 0.2574   |
|                | 88 6000 | 0.611   | 0.611   | 0.611   | 57.64      | 0.0        | 0.0        | 0.01            | 158    | 24.31    | 25.58    | 27.85    | 0.3127 | 0.329  | 0.2888   |
|                | 89 5500 | 0.556   | 0.556   | 0.556   | 60.45      | 0.0        | 0.0        | 0.01            | 0      | 27.21    | 28.63    | 31.17    | 0.3127 | 0.329  | 0.3231   |
|                | 90 5000 | 0.5     | 0.5     | 0.5     | 63.31      | 0.0        | 0.0        | 0.01            | 0      | 30.38    | 31.96    | 34.8     | 0.3127 | 0.329  | 0.3608   |
|                | 91 4500 | 0.444   | 0.444   | 0.444   | 66.25      | 0.0        | 0.0        | 0.01            | 85     | 33.88    | 35.65    | 38.81    | 0.3127 | 0.329  | 0.4024   |
|                | 92 4000 | 0.389   | 0.389   | 0.389   | 69.28      | 0.0        | 0.0        | 0.01            | 158    | 37.77    | 39.74    | 43.27    | 0.3127 | 0.329  | 0.4486   |
|                | 93 3500 | 0.333   | 0.333   | 0.333   | 72.43      | 0.0        | 0.0        | 0.01            | 85     | 42.1     | 44.3     | 48.23    | 0.3127 | 0.329  | 0.5      |
|                | 94 3000 | 0.278   | 0.278   | 0.278   | 75.71      | 0.0        | 0.0        | 0.01            | 158    | 46.96    | 49.41    | 53.8     | 0.3127 | 0.329  | 0.5578   |
|                | 95 2500 | 0.222   | 0.222   | 0.222   | 79.15      | 0.0        | 0.0        | 0.01            | 0      | 52.46    | 55.19    | 60.1     | 0.3127 | 0.329  | 0.623    |
|                | 96 2000 | 0.167   | 0.167   | 0.167   | 82.81      | 0.0        | 0.0        | 0.01            | 158    | 58.73    | 61.8     | 67.29    | 0.3127 | 0.329  | 0.6976   |
|                | 97 1500 | 0.111   | 0.111   | 0.111   | 86.69      | 0.0        | 0.0        | 0.01            | 169    | 65.94    | 69.38    | 75.54    | 0.3127 | 0.329  | 0.7832   |
|                | 98 1000 | 0.056   | 0.056   | 0.056   | 90.87      | 0.0        | 0.0        | 0.01            | 88     | 74.33    | 78.21    | 85.15    | 0.3127 | 0.329  | 0.8828   |
|                | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 0      | 84.2     | 88.59    | 96.46    | 0.3127 | 0.329  | 1.0      |

n = 88.59 / (88.59 + 10.08) = 0.898

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Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rhata

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS38a für Helligkeit  $L^*=38$  von Schwarz für D65

System NLS38a  
 NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 91.2 \ 91.4 \ 90$

$Y_N = 10.08$

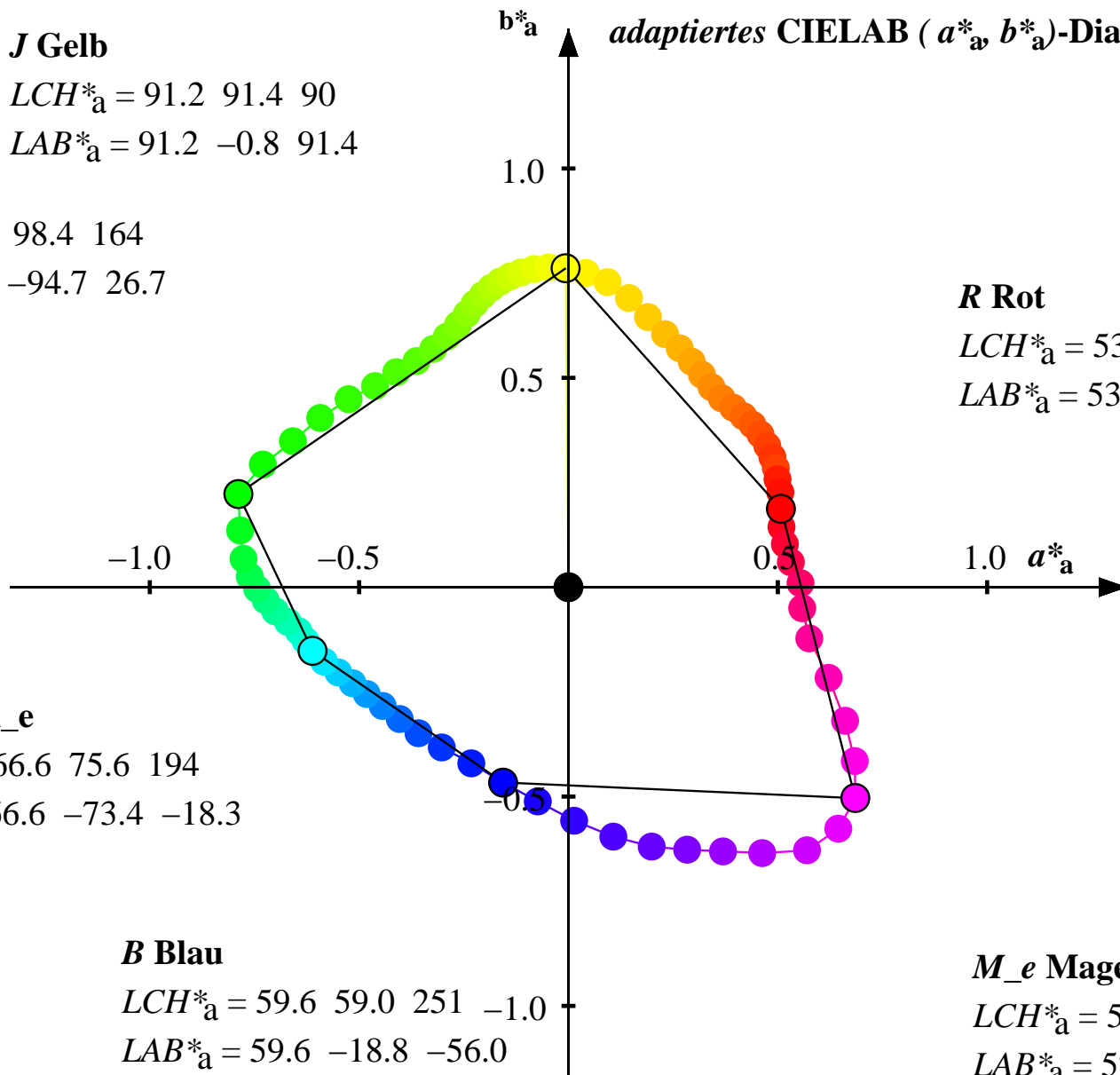
$L^*_N = 37.99$   $LAB^*_a = 91.2 \ -0.8 \ 91.4$

**G Grün**

$LCH^*_a = 68.6 \ 98.4 \ 164$

$LAB^*_a = 68.6 \ -94.7 \ 26.7$

*adaptiertes CIELAB ( $a^*_a$ ,  $b^*_a$ )-Diagramm*



**R Rot**

$LCH^*_a = 53.5 \ 64.9 \ 20$

$LAB^*_a = 53.5 \ 60.9 \ 22.4$

**C\_e Cyan\_e**

$LCH^*_a = 66.6 \ 75.6 \ 194$

$LAB^*_a = 66.6 \ -73.4 \ -18.3$

**B Blau**

$LCH^*_a = 59.6 \ 59.0 \ 251 \ -1.0$

$LAB^*_a = 59.6 \ -18.8 \ -56.0$

**M\_e Magenta\_e**

$LCH^*_a = 52.4 \ 102.0 \ 324$

$LAB^*_a = 52.4 \ 82.2 \ -60.5$

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 Anwendung für Messung von Drucker- oder Monitorsystemen

TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS52a für Helligkeit L\*=52 von Schwarz für D65

| System NLS52a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system    | 00 Y00R | 1.0     | 1.0     | 0.0     | 91.74      | -0.64      | 68.33      | 68.33           | 91     | 75.84    | 80.13    | 22.04    | 0.426  | 0.4502 | 0.9045   |
|               | 01 Y05R | 1.0     | 0.95    | 0.0     | 91.02      | 4.36       | 67.14      | 67.28           | 86     | 76.76    | 78.52    | 22.01    | 0.433  | 0.4429 | 0.8863   |
|               | 02 Y10R | 1.0     | 0.9     | 0.0     | 89.42      | 9.69       | 64.66      | 65.38           | 81     | 75.99    | 75.05    | 21.85    | 0.4395 | 0.4341 | 0.8472   |
|               | 03 Y15R | 1.0     | 0.85    | 0.0     | 86.98      | 14.79      | 60.7       | 62.47           | 76     | 73.38    | 69.97    | 21.72    | 0.4445 | 0.4239 | 0.7899   |
|               | 04 Y20R | 1.0     | 0.8     | 0.0     | 84.27      | 19.29      | 56.06      | 59.29           | 71     | 69.98    | 64.59    | 21.7     | 0.4478 | 0.4133 | 0.7291   |
|               | 05 Y25R | 1.0     | 0.75    | 0.0     | 81.92      | 23.23      | 51.99      | 56.95           | 66     | 67.14    | 60.16    | 21.71    | 0.4506 | 0.4037 | 0.6791   |
|               | 06 Y30R | 1.0     | 0.7     | 0.0     | 79.89      | 26.59      | 48.59      | 55.39           | 61     | 64.73    | 56.5     | 21.66    | 0.453  | 0.3954 | 0.6377   |
|               | 07 Y35R | 1.0     | 0.65    | 0.0     | 77.97      | 29.24      | 45.4       | 54.01           | 57     | 62.28    | 53.17    | 21.59    | 0.4545 | 0.388  | 0.6001   |
|               | 08 Y40R | 1.0     | 0.6     | 0.0     | 76.18      | 31.41      | 42.36      | 52.74           | 53     | 59.93    | 50.19    | 21.56    | 0.4551 | 0.3811 | 0.5665   |
|               | 09 Y45R | 1.0     | 0.55    | 0.0     | 74.61      | 33.45      | 39.53      | 51.78           | 50     | 57.96    | 47.66    | 21.63    | 0.4555 | 0.3746 | 0.538    |
|               | 10 Y50R | 1.0     | 0.5     | 0.0     | 73.23      | 35.6       | 37.05      | 51.38           | 46     | 56.42    | 45.51    | 21.68    | 0.4564 | 0.3682 | 0.5138   |
|               | 11 Y55R | 1.0     | 0.45    | 0.0     | 71.97      | 37.95      | 34.92      | 51.57           | 43     | 55.19    | 43.62    | 21.66    | 0.4581 | 0.3621 | 0.4924   |
|               | 12 Y60R | 1.0     | 0.4     | 0.0     | 70.8       | 40.16      | 32.98      | 51.97           | 39     | 54.06    | 41.89    | 21.62    | 0.4598 | 0.3563 | 0.4729   |
|               | 13 Y65R | 1.0     | 0.35    | 0.0     | 69.66      | 41.94      | 31.06      | 52.19           | 37     | 52.86    | 40.27    | 21.59    | 0.4607 | 0.351  | 0.4546   |
|               | 14 Y70R | 1.0     | 0.3     | 0.0     | 68.54      | 43.39      | 29.04      | 52.21           | 34     | 51.56    | 38.71    | 21.64    | 0.4607 | 0.3459 | 0.437    |
|               | 15 Y75R | 1.0     | 0.25    | 0.0     | 67.39      | 44.58      | 26.74      | 51.98           | 31     | 50.15    | 37.16    | 21.82    | 0.4595 | 0.3405 | 0.4194   |
|               | 16 Y80R | 1.0     | 0.2     | 0.0     | 66.24      | 45.35      | 24.38      | 51.49           | 28     | 48.6     | 35.63    | 22.03    | 0.4573 | 0.3353 | 0.4022   |
|               | 17 Y85R | 1.0     | 0.25    | 0.0     | 65.06      | 45.59      | 22.19      | 50.7            | 26     | 46.86    | 34.13    | 22.12    | 0.4545 | 0.331  | 0.3852   |
|               | 18 Y90R | 1.0     | 0.1     | 0.0     | 63.9       | 45.56      | 19.91      | 49.72           | 24     | 45.09    | 32.68    | 22.28    | 0.4507 | 0.3266 | 0.3689   |
|               | 19 Y95R | 1.0     | 0.05    | 0.0     | 62.78      | 45.63      | 17.37      | 48.82           | 21     | 43.46    | 31.33    | 22.63    | 0.4461 | 0.3216 | 0.3536   |
|               | 20 R00B | 1.0     | 0.0     | 0.0     | 61.78      | 45.27      | 14.37      | 47.5            | 18     | 41.9     | 30.15    | 23.36    | 0.4391 | 0.316  | 0.3403   |
|               | 21 R05B | 1.0     | 0.0     | 0.1     | 61.0       | 44.89      | 11.16      | 46.25           | 14     | 40.67    | 29.25    | 24.47    | 0.4309 | 0.3099 | 0.3302   |
|               | 22 R10B | 1.0     | 0.0     | 0.2     | 60.5       | 45.35      | 8.04       | 46.06           | 10     | 40.13    | 28.68    | 25.86    | 0.4239 | 0.303  | 0.3238   |
|               | 23 R15B | 1.0     | 0.0     | 0.3     | 60.24      | 46.58      | 4.75       | 46.82           | 6      | 40.16    | 28.39    | 27.68    | 0.4173 | 0.295  | 0.3205   |
|               | 24 R20B | 1.0     | 0.0     | 0.4     | 60.06      | 48.61      | 0.77       | 48.62           | 1      | 40.56    | 28.19    | 30.15    | 0.4101 | 0.285  | 0.3182   |
|               | 25 R25B | 1.0     | 0.0     | 0.5     | 59.87      | 48.87      | -4.19      | 49.05           | 355    | 40.39    | 27.98    | 33.49    | 0.3965 | 0.2747 | 0.3159   |
|               | 26 R30B | 1.0     | 0.0     | 0.6     | 59.82      | 50.42      | -10.35     | 51.47           | 348    | 40.82    | 27.93    | 38.22    | 0.3816 | 0.2611 | 0.3152   |
|               | 27 R35B | 1.0     | 0.0     | 0.7     | 60.02      | 54.89      | -18.94     | 58.07           | 341    | 42.57    | 28.14    | 45.95    | 0.3649 | 0.2412 | 0.3177   |
|               | 28 R40B | 1.0     | 0.0     | 0.8     | 60.33      | 58.8       | -28.81     | 65.48           | 334    | 44.35    | 28.49    | 56.19    | 0.3437 | 0.2208 | 0.3217   |
|               | 29 R45B | 1.0     | 0.0     | 0.9     | 60.65      | 61.28      | -38.45     | 72.35           | 328    | 45.69    | 28.85    | 67.6     | 0.3214 | 0.203  | 0.3257   |
|               | 30 R50B | 1.0     | 0.0     | 1.0     | 61.0       | 61.62      | -47.51     | 77.82           | 322    | 46.33    | 29.24    | 79.73    | 0.2983 | 0.1883 | 0.3301   |
|               | 31 R55B | 0.9     | 0.0     | 1.0     | 61.38      | 58.01      | -55.22     | 80.1            | 316    | 45.64    | 29.68    | 91.37    | 0.2738 | 0.1781 | 0.3351   |
|               | 32 R60B | 0.8     | 0.0     | 1.0     | 61.81      | 51.13      | -60.81     | 79.45           | 310    | 43.9     | 30.18    | 100.87   | 0.2509 | 0.1725 | 0.3407   |
|               | 33 R65B | 0.7     | 0.0     | 1.0     | 62.22      | 41.31      | -61.66     | 74.22           | 304    | 41.21    | 30.66    | 103.31   | 0.2353 | 0.175  | 0.3461   |
|               | 34 R70B | 0.6     | 0.0     | 1.0     | 62.67      | 32.71      | -61.38     | 69.56           | 298    | 39.09    | 31.2     | 104.1    | 0.2241 | 0.1789 | 0.3522   |
|               | 35 R75B | 0.5     | 0.0     | 1.0     | 63.14      | 25.1       | -61.24     | 66.2            | 292    | 37.35    | 31.76    | 105.18   | 0.2143 | 0.1822 | 0.3585   |
|               | 36 R80B | 0.4     | 0.0     | 1.0     | 63.58      | 17.48      | -60.58     | 63.06           | 286    | 35.62    | 32.29    | 105.32   | 0.2056 | 0.1864 | 0.3645   |
|               | 37 R85B | 0.3     | 0.0     | 1.0     | 64.01      | 9.35       | -58.24     | 58.99           | 279    | 33.79    | 32.81    | 102.78   | 0.1995 | 0.1937 | 0.3703   |
|               | 38 R90B | 0.2     | 0.0     | 1.0     | 64.57      | 1.22       | -54.46     | 54.48           | 271    | 32.18    | 33.51    | 98.43    | 0.1961 | 0.2042 | 0.3782   |
|               | 39 R95B | 0.1     | 0.0     | 1.0     | 65.31      | -6.41      | -49.89     | 50.31           | 263    | 30.97    | 34.45    | 93.49    | 0.1949 | 0.2168 | 0.3888   |
|               | 40 B00G | 0.0     | 0.0     | 1.0     | 66.11      | -13.57     | -45.43     | 47.43           | 253    | 29.97    | 35.46    | 89.01    | 0.1941 | 0.2296 | 0.4003   |
|               | 41 B05G | 0.0     | 0.1     | 1.0     | 66.85      | -20.14     | -40.88     | 45.58           | 244    | 29.09    | 36.43    | 84.41    | 0.194  | 0.243  | 0.4112   |
|               | 42 B10G | 0.0     | 0.2     | 1.0     | 67.54      | -26.19     | -37.22     | 45.53           | 235    | 28.3     | 37.35    | 81.06    | 0.1929 | 0.2546 | 0.4216   |
|               | 43 B15G | 0.0     | 0.3     | 1.0     | 68.18      | -31.05     | -33.82     | 45.93           | 227    | 27.77    | 38.21    | 78.02    | 0.1928 | 0.2654 | 0.4314   |
|               | 44 B20G | 0.0     | 0.4     | 1.0     | 68.78      | -35.01     | -30.58     | 46.5            | 221    | 27.42    | 39.04    | 75.16    | 0.1936 | 0.2756 | 0.4406   |
|               | 45 B25G | 0.0     | 0.5     | 1.0     | 69.33      | -38.59     | -27.48     | 47.38           | 215    | 27.12    | 39.8     | 72.45    | 0.1946 | 0.2856 | 0.4493   |
|               | 46 B30G | 0.0     | 0.6     | 1.0     | 69.82      | -41.9      | -24.67     | 48.64           | 210    | 26.83    | 40.49    | 70.03    | 0.1953 | 0.2948 | 0.4571   |
|               | 47 B35G | 0.0     | 0.7     | 1.0     | 70.27      | -44.94     | -22.14     | 50.11           | 206    | 26.56    | 41.14    | 67.93    | 0.1959 | 0.3033 | 0.4643   |
|               | 48 B40G | 0.0     | 0.8     | 1.0     | 70.69      | -47.85     | -19.7      | 51.76           | 202    | 26.29    | 41.74    | 65.89    | 0.1963 | 0.3117 | 0.4711   |
|               | 49 B45G | 0.0     | 0.9     | 1.0     | 71.08      | -50.84     | -17.15     | 53.66           | 199    | 25.98    | 42.31    | 63.73    | 0.1968 | 0.3205 | 0.4776   |

n = 28.67 / (28.67 + 20.16) = 0.587

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta



Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS52a für Helligkeit L\*=52 von Schwarz für D65

| System NLS52a  | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*=LAB*1a | a*=LAB*2a | b*=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|----------------|---------|---------|---------|---------|-----------|-----------|-----------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system     | 50 B50G | 0.0     | 1.0     | 1.0     | 71.42     | -53.24    | -14.61    | 55.22           | 195    | 25.75    | 42.8     | 61.52    | 0.198  | 0.329  | 0.4831   |
|                | 51 B55G | 0.0     | 1.0     | 0.9     | 71.65     | -54.75    | -12.25    | 56.11           | 193    | 25.64    | 43.15    | 59.37    | 0.2    | 0.3367 | 0.487    |
|                | 52 B60G | 0.0     | 1.0     | 0.8     | 71.82     | -56.13    | -10.04    | 57.03           | 190    | 25.48    | 43.39    | 57.29    | 0.2019 | 0.3439 | 0.4898   |
| D65-Reflexion: | 53 B65G | 0.0     | 1.0     | 0.7     | 71.92     | -58.24    | -7.83     | 58.78           | 188    | 25.09    | 43.55    | 55.16    | 0.2026 | 0.3518 | 0.4915   |
| YN = 20.16     | 54 B70G | 0.0     | 1.0     | 0.6     | 72.02     | -60.63    | -5.47     | 60.89           | 185    | 24.63    | 43.69    | 52.91    | 0.2031 | 0.3604 | 0.4932   |
| L*N = 52.02    | 55 B75G | 0.0     | 1.0     | 0.5     | 72.12     | -62.52    | -2.93     | 62.6            | 183    | 24.29    | 43.84    | 50.55    | 0.2047 | 0.3694 | 0.4948   |
|                | 56 B80G | 0.0     | 1.0     | 0.4     | 72.22     | -64.22    | -0.33     | 64.23           | 180    | 24.0     | 43.99    | 48.22    | 0.2065 | 0.3785 | 0.4966   |
|                | 57 B85G | 0.0     | 1.0     | 0.3     | 72.31     | -65.6     | 2.38      | 65.66           | 178    | 23.77    | 44.12    | 45.82    | 0.209  | 0.388  | 0.4981   |
|                | 58 B90G | 0.0     | 1.0     | 0.2     | 72.43     | -66.87    | 6.28      | 67.17           | 175    | 23.6     | 44.3     | 42.52    | 0.2138 | 0.4012 | 0.5001   |
|                | 59 B95G | 0.0     | 1.0     | 0.1     | 72.68     | -67.63    | 12.37     | 68.76           | 170    | 23.67    | 44.68    | 37.76    | 0.2231 | 0.421  | 0.5043   |
|                | 60 G00Y | 0.0     | 1.0     | 0.0     | 73.02     | -68.29    | 19.89     | 71.14           | 164    | 23.85    | 45.19    | 32.44    | 0.235  | 0.4453 | 0.5101   |
|                | 61 G05Y | 0.05    | 1.0     | 0.0     | 73.42     | -63.98    | 25.69     | 68.96           | 158    | 25.25    | 45.81    | 28.87    | 0.2527 | 0.4584 | 0.5171   |
|                | 62 G10Y | 0.1     | 1.0     | 0.0     | 73.9      | -58.57    | 30.16     | 65.89           | 153    | 27.06    | 46.55    | 26.48    | 0.2703 | 0.4651 | 0.5254   |
|                | 63 G15Y | 0.15    | 1.0     | 0.0     | 74.49     | -53.51    | 34.48     | 63.66           | 147    | 28.98    | 47.48    | 24.44    | 0.2872 | 0.4706 | 0.5359   |
|                | 64 G20Y | 0.2     | 1.0     | 0.0     | 75.22     | -48.05    | 37.96     | 61.24           | 142    | 31.25    | 48.62    | 23.12    | 0.3034 | 0.4721 | 0.5489   |
|                | 65 G25Y | 0.25    | 1.0     | 0.0     | 76.12     | -42.9     | 40.54     | 59.04           | 137    | 33.78    | 50.09    | 22.53    | 0.3175 | 0.4708 | 0.5654   |
|                | 66 G30Y | 0.3     | 1.0     | 0.0     | 77.22     | -38.69    | 43.33     | 58.1            | 132    | 36.41    | 51.9     | 22.02    | 0.33   | 0.4704 | 0.5859   |
|                | 67 G35Y | 0.35    | 1.0     | 0.0     | 78.51     | -34.63    | 45.82     | 57.44           | 127    | 39.37    | 54.08    | 21.87    | 0.3414 | 0.469  | 0.6104   |
|                | 68 G40Y | 0.4     | 1.0     | 0.0     | 79.97     | -31.15    | 48.54     | 57.69           | 123    | 42.55    | 56.63    | 21.76    | 0.3518 | 0.4683 | 0.6393   |
|                | 69 G45Y | 0.45    | 1.0     | 0.0     | 81.6      | -28.33    | 51.41     | 58.7            | 119    | 45.92    | 59.56    | 21.72    | 0.361  | 0.4682 | 0.6723   |
|                | 70 G50Y | 0.5     | 1.0     | 0.0     | 83.28     | -26.07    | 54.27     | 60.21           | 116    | 49.34    | 62.7     | 21.75    | 0.3688 | 0.4686 | 0.7077   |
|                | 71 G55Y | 0.55    | 1.0     | 0.0     | 84.94     | -24.2     | 56.98     | 61.92           | 113    | 52.74    | 65.89    | 21.83    | 0.3755 | 0.4691 | 0.7437   |
|                | 72 G60Y | 0.6     | 1.0     | 0.0     | 86.43     | -22.51    | 59.44     | 63.57           | 111    | 55.93    | 68.85    | 21.89    | 0.3813 | 0.4694 | 0.7772   |
|                | 73 G65Y | 0.65    | 1.0     | 0.0     | 87.67     | -20.68    | 61.56     | 64.95           | 109    | 58.85    | 71.39    | 21.9     | 0.3868 | 0.4692 | 0.8059   |
|                | 74 G70Y | 0.7     | 1.0     | 0.0     | 88.71     | -18.77    | 63.38     | 66.1            | 107    | 61.54    | 73.56    | 21.89    | 0.392  | 0.4686 | 0.8303   |
|                | 75 G75Y | 0.75    | 1.0     | 0.0     | 89.58     | -16.66    | 64.92     | 67.02           | 104    | 64.07    | 75.4     | 21.87    | 0.3971 | 0.4674 | 0.8512   |
|                | 76 G80Y | 0.8     | 1.0     | 0.0     | 90.28     | -14.31    | 66.14     | 67.68           | 102    | 66.46    | 76.92    | 21.86    | 0.4022 | 0.4655 | 0.8682   |
|                | 77 G85Y | 0.85    | 1.0     | 0.0     | 90.81     | -11.64    | 67.1      | 68.1            | 100    | 68.7     | 78.07    | 21.83    | 0.4075 | 0.463  | 0.8812   |
|                | 78 G90Y | 0.9     | 1.0     | 0.0     | 91.27     | -8.58     | 67.88     | 68.43           | 97     | 71.05    | 79.08    | 21.84    | 0.4131 | 0.4599 | 0.8927   |
|                | 79 G95Y | 0.95    | 1.0     | 0.0     | 91.7      | -4.96     | 68.44     | 68.62           | 94     | 73.64    | 80.03    | 21.94    | 0.4193 | 0.4557 | 0.9033   |
|                | 80 Y00R | 0.0     | 1.0     | 0.0     | 91.74     | -0.64     | 68.33     | 68.33           | 91     | 75.84    | 80.13    | 22.04    | 0.426  | 0.4502 | 0.9045   |
|                | 81 9500 | 1.0     | 1.0     | 1.0     | 52.02     | 0.0       | 0.0       | 0.01            | 0      | 19.16    | 20.16    | 21.95    | 0.3127 | 0.329  | 0.2276   |
|                | 82 9000 | 0.944   | 0.944   | 0.944   | 53.69     | 0.0       | 0.0       | 0.01            | 0      | 20.61    | 21.68    | 23.61    | 0.3127 | 0.329  | 0.2447   |
|                | 83 8500 | 0.889   | 0.889   | 0.889   | 55.4      | 0.0       | 0.0       | 0.01            | 85     | 22.16    | 23.32    | 25.39    | 0.3127 | 0.329  | 0.2632   |
|                | 84 8000 | 0.833   | 0.833   | 0.833   | 57.15     | 0.0       | 0.0       | 0.01            | 0      | 23.83    | 25.08    | 27.3     | 0.3127 | 0.329  | 0.2831   |
|                | 85 7500 | 0.778   | 0.778   | 0.778   | 58.95     | 0.0       | 0.0       | 0.01            | 0      | 25.64    | 26.97    | 29.37    | 0.3127 | 0.329  | 0.3045   |
|                | 86 7000 | 0.722   | 0.722   | 0.722   | 60.8      | 0.0       | 0.0       | 0.01            | 0      | 27.58    | 29.02    | 31.6     | 0.3127 | 0.329  | 0.3276   |
|                | 87 6500 | 0.667   | 0.667   | 0.667   | 62.71     | 0.0       | 0.0       | 0.01            | 158    | 29.7     | 31.25    | 34.02    | 0.3127 | 0.329  | 0.3527   |
|                | 88 6000 | 0.611   | 0.611   | 0.611   | 64.7      | 0.0       | 0.0       | 0.01            | 0      | 32.0     | 33.67    | 36.66    | 0.3127 | 0.329  | 0.3801   |
|                | 89 5500 | 0.556   | 0.556   | 0.556   | 66.77     | 0.0       | 0.0       | 0.01            | 85     | 34.52    | 36.33    | 39.55    | 0.3127 | 0.329  | 0.41     |
|                | 90 5000 | 0.5     | 0.5     | 0.5     | 68.92     | 0.0       | 0.0       | 0.01            | 85     | 37.29    | 39.23    | 42.71    | 0.3127 | 0.329  | 0.4428   |
|                | 91 4500 | 0.444   | 0.444   | 0.444   | 71.18     | 0.0       | 0.0       | 0.01            | 85     | 40.34    | 42.45    | 46.22    | 0.3127 | 0.329  | 0.4791   |
|                | 92 4000 | 0.389   | 0.389   | 0.389   | 73.55     | 0.0       | 0.0       | 0.01            | 158    | 43.73    | 46.01    | 50.1     | 0.3127 | 0.329  | 0.5194   |
|                | 93 3500 | 0.333   | 0.333   | 0.333   | 76.06     | 0.0       | 0.0       | 0.01            | 158    | 47.5     | 49.98    | 54.42    | 0.3127 | 0.329  | 0.5642   |
|                | 94 3000 | 0.278   | 0.278   | 0.278   | 78.72     | 0.0       | 0.0       | 0.01            | 0      | 51.74    | 54.44    | 59.28    | 0.3127 | 0.329  | 0.6146   |
|                | 95 2500 | 0.222   | 0.222   | 0.222   | 81.56     | 0.0       | 0.0       | 0.01            | 0      | 56.53    | 59.48    | 64.76    | 0.3127 | 0.329  | 0.6714   |
|                | 96 2000 | 0.167   | 0.167   | 0.167   | 84.61     | 0.0       | 0.0       | 0.01            | 85     | 62.0     | 65.24    | 71.03    | 0.3127 | 0.329  | 0.7364   |
|                | 97 1500 | 0.111   | 0.111   | 0.111   | 87.89     | 0.0       | 0.0       | 0.01            | 158    | 68.28    | 71.85    | 78.23    | 0.3127 | 0.329  | 0.811    |
|                | 98 1000 | 0.056   | 0.056   | 0.056   | 91.48     | 0.0       | 0.0       | 0.01            | 88     | 75.59    | 79.54    | 86.6     | 0.3127 | 0.329  | 0.8978   |
|                | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41     | 0.0       | 0.0       | 0.01            | 0      | 84.2     | 88.59    | 96.46    | 0.3127 | 0.329  | 1.0      |

n = 88.59 / (88.59 + 20.16) = 0.815

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS52a für Helligkeit  $L^*=52$  von Schwarz für D65

System NLS52a  
 NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 91.7 \ 68.3 \ 91$

$Y_N = 20.16$

$L^*_N = 52.02$   $LAB^*_a = 91.7 \ -0.7 \ 68.3$

**G Grün**

$LCH^*_a = 73.0 \ 71.1 \ 164$

$LAB^*_a = 73.0 \ -68.3 \ 19.9$

**C\_e Cyan\_e**

$LCH^*_a = 71.4 \ 55.2 \ 195$

$LAB^*_a = 71.4 \ -53.2 \ -14.6$

**B Blau**

$LCH^*_a = 66.1 \ 47.4 \ 253 \ -1.0$

$LAB^*_a = 66.1 \ -13.6 \ -45.4$

**R Rot**

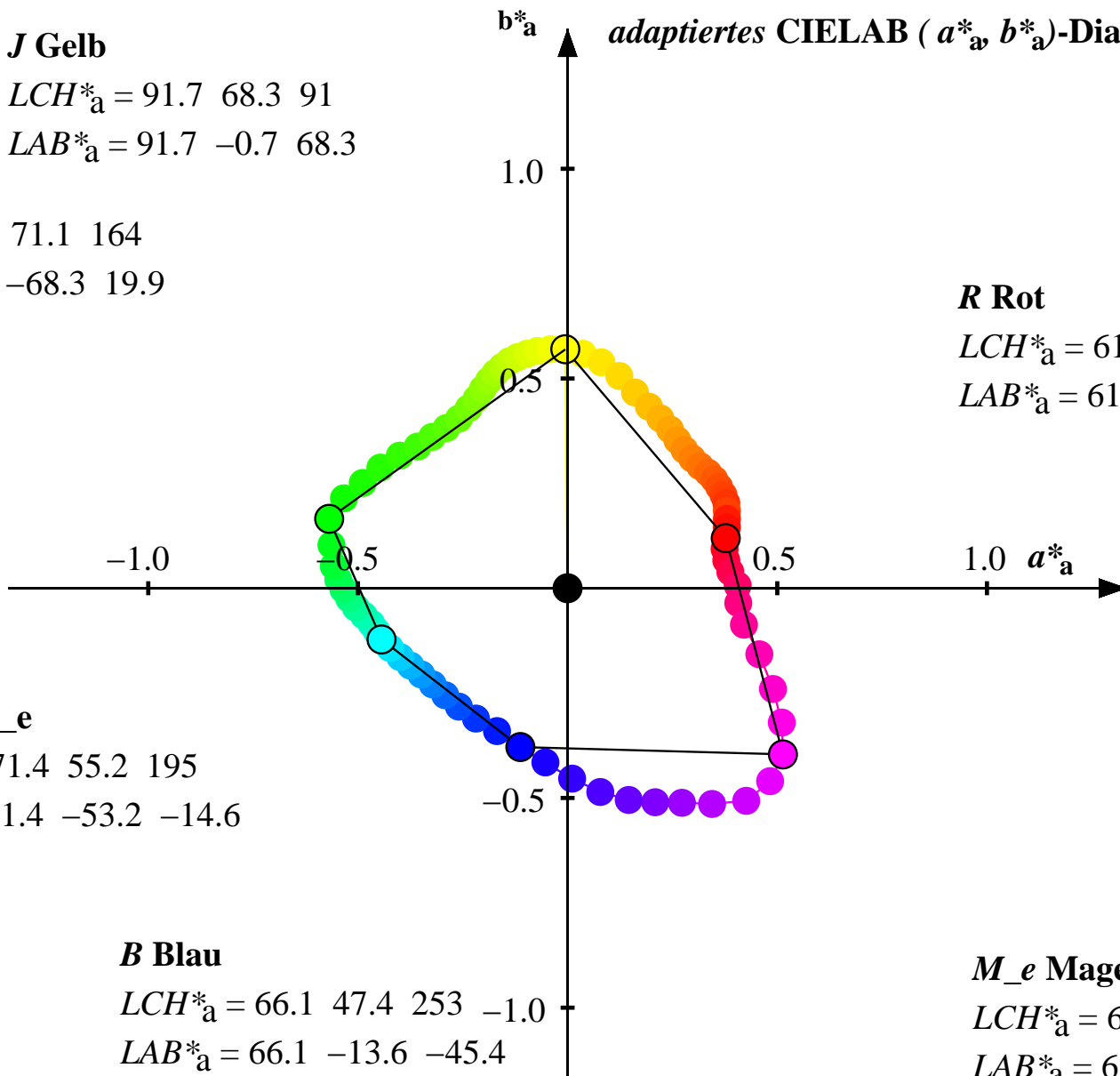
$LCH^*_a = 61.8 \ 47.5 \ 18$

$LAB^*_a = 61.8 \ 45.3 \ 14.4$

**M\_e Magenta\_e**

$LCH^*_a = 61.0 \ 77.8 \ 322$

$LAB^*_a = 61.0 \ 61.6 \ -47.5$



Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
 Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
 Anwendung für Messung von Drucker- oder Monitorsystemen  
 TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS70a für Helligkeit L\*=70 von Schwarz für D65

| System NLS70a          | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h <sub>ab,a</sub> | X <sub>a</sub> =XYZ1a | Y <sub>a</sub> =XYZ2a | Z <sub>a</sub> =XYZ3a | x <sub>a</sub> | y <sub>a</sub> | Y <sub>a</sub> /88.59 |
|------------------------|---------|---------|---------|---------|------------|------------|------------|-----------------|-------------------|-----------------------|-----------------------|-----------------------|----------------|----------------|-----------------------|
| NCS system             | 00 Y00R | 1.0     | 1.0     | 0.0     | 92.85      | -0.44      | 39.85      | 39.85           | 91                | 78.3                  | 82.62                 | 43.97                 | 0.3822         | 0.4033         | 0.9327                |
|                        | 01 Y05R | 1.0     | 0.95    | 0.0     | 92.35      | 3.01       | 39.01      | 39.13           | 86                | 78.95                 | 81.49                 | 43.94                 | 0.3863         | 0.3987         | 0.9198                |
|                        | 02 Y10R | 1.0     | 0.9     | 0.0     | 91.25      | 6.65       | 37.24      | 37.83           | 80                | 78.41                 | 79.04                 | 43.83                 | 0.3895         | 0.3927         | 0.8922                |
| D65-Reflexion:         | 03 Y15R | 1.0     | 0.85    | 0.0     | 89.61      | 10.04      | 34.51      | 35.94           | 74                | 76.56                 | 75.46                 | 43.74                 | 0.3911         | 0.3855         | 0.8518                |
| Y <sub>N</sub> = 40.32 | 04 Y20R | 1.0     | 0.8     | 0.0     | 87.81      | 12.9       | 31.42      | 33.96           | 68                | 74.17                 | 71.66                 | 43.73                 | 0.3913         | 0.3781         | 0.8089                |
| L* <sub>N</sub> = 69.7 | 05 Y25R | 1.0     | 0.75    | 0.0     | 86.27      | 15.33      | 28.77      | 32.6            | 62                | 72.17                 | 68.53                 | 43.73                 | 0.3913         | 0.3716         | 0.7736                |
|                        | 06 Y30R | 1.0     | 0.7     | 0.0     | 84.97      | 17.33      | 26.57      | 31.72           | 57                | 70.47                 | 65.95                 | 43.69                 | 0.3912         | 0.3662         | 0.7444                |
|                        | 07 Y35R | 1.0     | 0.65    | 0.0     | 83.76      | 18.82      | 24.53      | 30.92           | 53                | 68.74                 | 63.6                  | 43.64                 | 0.3906         | 0.3614         | 0.7179                |
|                        | 08 Y40R | 1.0     | 0.6     | 0.0     | 82.65      | 19.97      | 22.64      | 30.18           | 49                | 67.08                 | 61.5                  | 43.63                 | 0.3895         | 0.3571         | 0.6942                |
|                        | 09 Y45R | 1.0     | 0.55    | 0.0     | 81.69      | 21.02      | 20.93      | 29.66           | 45                | 65.69                 | 59.72                 | 43.67                 | 0.3885         | 0.3532         | 0.6741                |
|                        | 10 Y50R | 1.0     | 0.5     | 0.0     | 80.85      | 22.15      | 19.45      | 29.48           | 41                | 64.6                  | 58.21                 | 43.71                 | 0.3879         | 0.3495         | 0.657                 |
|                        | 11 Y55R | 1.0     | 0.45    | 0.0     | 80.1       | 23.4       | 18.17      | 29.63           | 38                | 63.74                 | 56.87                 | 43.7                  | 0.3879         | 0.3461         | 0.6419                |
|                        | 12 Y60R | 1.0     | 0.4     | 0.0     | 79.41      | 24.55      | 17.02      | 29.88           | 35                | 62.94                 | 55.65                 | 43.66                 | 0.3879         | 0.343          | 0.6282                |
|                        | 13 Y65R | 1.0     | 0.35    | 0.0     | 78.76      | 25.42      | 15.9       | 29.98           | 32                | 62.09                 | 54.51                 | 43.65                 | 0.3875         | 0.3401         | 0.6153                |
|                        | 14 Y70R | 1.0     | 0.3     | 0.0     | 78.11      | 26.04      | 14.76      | 29.93           | 30                | 61.17                 | 53.41                 | 43.68                 | 0.3865         | 0.3374         | 0.6028                |
|                        | 15 Y75R | 1.0     | 0.25    | 0.0     | 77.46      | 26.49      | 13.49      | 29.73           | 27                | 60.18                 | 52.31                 | 43.81                 | 0.385          | 0.3347         | 0.5905                |
|                        | 16 Y80R | 1.0     | 0.2     | 0.0     | 76.82      | 26.65      | 12.22      | 29.32           | 25                | 59.09                 | 51.23                 | 43.96                 | 0.383          | 0.3321         | 0.5783                |
|                        | 17 Y85R | 1.0     | 0.25    | 0.0     | 76.18      | 26.46      | 11.03      | 28.67           | 23                | 57.86                 | 50.17                 | 44.02                 | 0.3805         | 0.33           | 0.5663                |
|                        | 18 Y90R | 1.0     | 0.1     | 0.0     | 75.54      | 26.1       | 9.82       | 27.89           | 21                | 56.61                 | 49.15                 | 44.13                 | 0.3777         | 0.3279         | 0.5548                |
|                        | 19 Y95R | 1.0     | 0.05    | 0.0     | 74.95      | 25.81      | 8.52       | 27.18           | 18                | 55.46                 | 48.2                  | 44.38                 | 0.3746         | 0.3256         | 0.5441                |
|                        | 20 R00B | 1.0     | 0.0     | 0.0     | 74.42      | 25.29      | 7.04       | 26.25           | 16                | 54.36                 | 47.37                 | 44.9                  | 0.3707         | 0.323          | 0.5347                |
|                        | 21 R05B | 1.0     | 0.0     | 0.1     | 74.02      | 24.82      | 5.48       | 25.42           | 12                | 53.5                  | 46.73                 | 45.68                 | 0.3666         | 0.3203         | 0.5275                |
|                        | 22 R10B | 1.0     | 0.0     | 0.2     | 73.76      | 24.94      | 3.97       | 25.25           | 9                 | 53.11                 | 46.33                 | 46.66                 | 0.3635         | 0.3171         | 0.523                 |
|                        | 23 R15B | 1.0     | 0.0     | 0.3     | 73.63      | 25.57      | 2.37       | 25.68           | 5                 | 53.13                 | 46.12                 | 47.94                 | 0.3609         | 0.3133         | 0.5207                |
|                        | 24 R20B | 1.0     | 0.0     | 0.4     | 73.53      | 26.7       | 0.39       | 26.71           | 1                 | 53.41                 | 45.98                 | 49.68                 | 0.3583         | 0.3084         | 0.519                 |
|                        | 25 R25B | 1.0     | 0.0     | 0.5     | 73.44      | 26.79      | -2.16      | 26.88           | 355               | 53.29                 | 45.84                 | 52.04                 | 0.3525         | 0.3032         | 0.5174                |
|                        | 26 R30B | 1.0     | 0.0     | 0.6     | 73.41      | 27.68      | -5.47      | 28.22           | 349               | 53.6                  | 45.8                  | 55.38                 | 0.3463         | 0.2959         | 0.517                 |
|                        | 27 R35B | 1.0     | 0.0     | 0.7     | 73.51      | 30.4       | -10.38     | 32.13           | 341               | 54.83                 | 45.95                 | 60.83                 | 0.3393         | 0.2843         | 0.5187                |
|                        | 28 R40B | 1.0     | 0.0     | 0.8     | 73.67      | 32.87      | -16.38     | 36.73           | 333               | 56.09                 | 46.2                  | 68.06                 | 0.3293         | 0.2712         | 0.5215                |
|                        | 29 R45B | 1.0     | 0.0     | 0.9     | 73.84      | 34.5       | -22.59     | 41.24           | 327               | 57.03                 | 46.45                 | 76.1                  | 0.3176         | 0.2587         | 0.5243                |
|                        | 30 R50B | 1.0     | 0.0     | 1.0     | 74.02      | 34.85      | -28.7      | 45.15           | 321               | 57.48                 | 46.73                 | 84.66                 | 0.3044         | 0.2474         | 0.5275                |
|                        | 31 R55B | 0.9     | 0.0     | 1.0     | 74.21      | 32.8       | -34.12     | 47.34           | 314               | 57.0                  | 47.04                 | 92.87                 | 0.2895         | 0.2389         | 0.531                 |
|                        | 32 R60B | 0.8     | 0.0     | 1.0     | 74.44      | 28.8       | -38.19     | 47.84           | 307               | 55.77                 | 47.39                 | 99.57                 | 0.2751         | 0.2337         | 0.5349                |
|                        | 33 R65B | 0.7     | 0.0     | 1.0     | 74.65      | 23.07      | -38.93     | 45.26           | 301               | 53.88                 | 47.73                 | 101.29                | 0.2655         | 0.2352         | 0.5387                |
|                        | 34 R70B | 0.6     | 0.0     | 1.0     | 74.89      | 18.16      | -38.88     | 42.92           | 295               | 52.38                 | 48.11                 | 101.85                | 0.2589         | 0.2378         | 0.543                 |
|                        | 35 R75B | 0.5     | 0.0     | 1.0     | 75.14      | 13.86      | -38.94     | 41.34           | 290               | 51.15                 | 48.5                  | 102.61                | 0.2529         | 0.2398         | 0.5475                |
|                        | 36 R80B | 0.4     | 0.0     | 1.0     | 75.37      | 9.6        | -38.6      | 39.78           | 284               | 49.93                 | 48.88                 | 102.71                | 0.2478         | 0.2425         | 0.5517                |
|                        | 37 R85B | 0.3     | 0.0     | 1.0     | 75.6       | 5.1        | -37.05     | 37.41           | 278               | 48.64                 | 49.24                 | 100.92                | 0.2447         | 0.2477         | 0.5558                |
|                        | 38 R90B | 0.2     | 0.0     | 1.0     | 75.91      | 0.66       | -34.53     | 34.55           | 271               | 47.51                 | 49.74                 | 97.85                 | 0.2435         | 0.2549         | 0.5614                |
|                        | 39 R95B | 0.1     | 0.0     | 1.0     | 76.31      | -3.47      | -31.52     | 31.72           | 264               | 46.65                 | 50.4                  | 94.36                 | 0.2437         | 0.2633         | 0.5689                |
|                        | 40 B00G | 0.0     | 0.0     | 1.0     | 76.75      | -7.35      | -28.61     | 29.55           | 256               | 45.95                 | 51.11                 | 91.2                  | 0.2441         | 0.2715         | 0.577                 |
|                        | 41 B05G | 0.0     | 0.1     | 1.0     | 77.16      | -10.9      | -25.64     | 27.87           | 247               | 45.32                 | 51.8                  | 87.96                 | 0.2449         | 0.2799         | 0.5847                |
|                        | 42 B10G | 0.0     | 0.2     | 1.0     | 77.55      | -14.18     | -23.29     | 27.28           | 239               | 44.77                 | 52.45                 | 85.6                  | 0.2449         | 0.2869         | 0.592                 |
|                        | 43 B15G | 0.0     | 0.3     | 1.0     | 77.91      | -16.82     | -21.11     | 27.01           | 231               | 44.39                 | 53.05                 | 83.45                 | 0.2454         | 0.2933         | 0.5989                |
|                        | 44 B20G | 0.0     | 0.4     | 1.0     | 78.25      | -19.0      | -19.04     | 26.91           | 225               | 44.15                 | 53.63                 | 81.43                 | 0.2463         | 0.2993         | 0.6054                |
|                        | 45 B25G | 0.0     | 0.5     | 1.0     | 78.56      | -20.97     | -17.06     | 27.05           | 219               | 43.94                 | 54.17                 | 79.52                 | 0.2474         | 0.305          | 0.6115                |
|                        | 46 B30G | 0.0     | 0.6     | 1.0     | 78.85      | -22.81     | -15.28     | 27.46           | 214               | 43.73                 | 54.66                 | 77.82                 | 0.2482         | 0.3102         | 0.617                 |
|                        | 47 B35G | 0.0     | 0.7     | 1.0     | 79.11      | -24.49     | -13.68     | 28.06           | 209               | 43.54                 | 55.12                 | 76.33                 | 0.2488         | 0.315          | 0.6221                |
|                        | 48 B40G | 0.0     | 0.8     | 1.0     | 79.35      | -26.1      | -12.14     | 28.8            | 205               | 43.35                 | 55.54                 | 74.9                  | 0.2495         | 0.3196         | 0.6269                |
|                        | 49 B45G | 0.0     | 0.9     | 1.0     | 79.58      | -27.74     | -10.54     | 29.69           | 201               | 43.13                 | 55.94                 | 73.37                 | 0.2501         | 0.3244         | 0.6315                |

n = 28.67 / (28.67 + 40.32) = 0.416

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /.PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /.PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS70a für Helligkeit L\*=70 von Schwarz für D65

| System NLS70a | Farbe   | r=olv*1 | g=olv*2 | b=olv*3 | L*a=LAB*1a | a*a=LAB*2a | b*a=LAB*3a | C*ab,a=LAB*ab,a | h*ab,a | Xa=XYZ1a | Ya=XYZ2a | Za=XYZ3a | xa     | ya     | Ya/88.59 |
|---------------|---------|---------|---------|---------|------------|------------|------------|-----------------|--------|----------|----------|----------|--------|--------|----------|
| NCS system    | 50 B50G | 0.0     | 1.0     | 1.0     | 79.78      | -29.07     | -8.95      | 30.42           | 197    | 42.97    | 56.29    | 71.81    | 0.2512 | 0.329  | 0.6354   |
|               | 51 B55G | 0.0     | 1.0     | 0.9     | 79.92      | -29.91     | -7.47      | 30.84           | 194    | 42.89    | 56.53    | 70.29    | 0.2527 | 0.3331 | 0.6382   |
|               | 52 B60G | 0.0     | 1.0     | 0.8     | 80.01      | -30.66     | -6.1       | 31.28           | 191    | 42.78    | 56.71    | 68.83    | 0.2541 | 0.3369 | 0.6401   |
|               | 53 B65G | 0.0     | 1.0     | 0.7     | 80.08      | -31.76     | -4.73      | 32.12           | 188    | 42.5     | 56.82    | 67.33    | 0.255  | 0.3409 | 0.6413   |
|               | 54 B70G | 0.0     | 1.0     | 0.6     | 80.13      | -32.98     | -3.28      | 33.16           | 186    | 42.18    | 56.92    | 65.74    | 0.2559 | 0.3453 | 0.6425   |
|               | 55 B75G | 0.0     | 1.0     | 0.5     | 80.19      | -33.95     | -1.74      | 34.01           | 183    | 41.94    | 57.02    | 64.08    | 0.2572 | 0.3498 | 0.6437   |
|               | 56 B80G | 0.0     | 1.0     | 0.4     | 80.25      | -34.83     | -0.19      | 34.84           | 180    | 41.74    | 57.13    | 62.43    | 0.2588 | 0.3542 | 0.6449   |
|               | 57 B85G | 0.0     | 1.0     | 0.3     | 80.31      | -35.54     | 1.4        | 35.58           | 178    | 41.57    | 57.22    | 60.74    | 0.2606 | 0.3587 | 0.6459   |
|               | 58 B90G | 0.0     | 1.0     | 0.2     | 80.38      | -36.21     | 3.66       | 36.41           | 174    | 41.45    | 57.35    | 58.41    | 0.2637 | 0.3648 | 0.6474   |
|               | 59 B95G | 0.0     | 1.0     | 0.1     | 80.52      | -36.7      | 7.08       | 37.39           | 169    | 41.5     | 57.61    | 55.06    | 0.2692 | 0.3737 | 0.6503   |
|               | 60 G00Y | 0.0     | 1.0     | 0.0     | 80.73      | -37.18     | 11.14      | 38.82           | 163    | 41.63    | 57.98    | 51.3     | 0.2759 | 0.3842 | 0.6544   |
|               | 61 G05Y | 0.05    | 1.0     | 0.0     | 80.97      | -35.25     | 14.15      | 37.99           | 158    | 42.62    | 58.41    | 48.78    | 0.2845 | 0.3899 | 0.6594   |
|               | 62 G10Y | 0.1     | 1.0     | 0.0     | 81.26      | -32.72     | 16.43      | 36.62           | 153    | 43.89    | 58.93    | 47.1     | 0.2928 | 0.3931 | 0.6652   |
|               | 63 G15Y | 0.15    | 1.0     | 0.0     | 81.61      | -30.32     | 18.61      | 35.58           | 148    | 45.25    | 59.59    | 45.65    | 0.3007 | 0.396  | 0.6726   |
|               | 64 G20Y | 0.2     | 1.0     | 0.0     | 82.05      | -27.66     | 20.39      | 34.37           | 144    | 46.85    | 60.4     | 44.72    | 0.3083 | 0.3974 | 0.6818   |
|               | 65 G25Y | 0.25    | 1.0     | 0.0     | 82.61      | -25.11     | 21.81      | 33.27           | 139    | 48.63    | 61.43    | 44.31    | 0.315  | 0.3979 | 0.6934   |
|               | 66 G30Y | 0.3     | 1.0     | 0.0     | 83.29      | -23.03     | 23.38      | 32.82           | 135    | 50.48    | 62.71    | 43.95    | 0.3213 | 0.3991 | 0.7079   |
|               | 67 G35Y | 0.35    | 1.0     | 0.0     | 84.09      | -20.98     | 24.89      | 32.56           | 130    | 52.58    | 64.25    | 43.84    | 0.3272 | 0.3999 | 0.7252   |
|               | 68 G40Y | 0.4     | 1.0     | 0.0     | 85.02      | -19.21     | 26.57      | 32.8            | 126    | 54.82    | 66.05    | 43.76    | 0.333  | 0.4012 | 0.7456   |
|               | 69 G45Y | 0.45    | 1.0     | 0.0     | 86.06      | -17.78     | 28.4       | 33.51           | 122    | 57.19    | 68.11    | 43.74    | 0.3383 | 0.4029 | 0.7688   |
|               | 70 G50Y | 0.5     | 1.0     | 0.0     | 87.16      | -16.63     | 30.26      | 34.54           | 119    | 59.61    | 70.33    | 43.76    | 0.3432 | 0.4049 | 0.7938   |
|               | 71 G55Y | 0.55    | 1.0     | 0.0     | 88.25      | -15.67     | 32.08      | 35.71           | 116    | 62.0     | 72.58    | 43.81    | 0.3476 | 0.4068 | 0.8192   |
|               | 72 G60Y | 0.6     | 1.0     | 0.0     | 89.24      | -14.76     | 33.74      | 36.83           | 114    | 64.25    | 74.67    | 43.86    | 0.3515 | 0.4085 | 0.8428   |
|               | 73 G65Y | 0.65    | 1.0     | 0.0     | 90.07      | -13.71     | 35.17      | 37.75           | 111    | 66.32    | 76.46    | 43.87    | 0.3553 | 0.4096 | 0.8631   |
|               | 74 G70Y | 0.7     | 1.0     | 0.0     | 90.77      | -12.55     | 36.39      | 38.49           | 109    | 68.21    | 77.99    | 43.86    | 0.3589 | 0.4103 | 0.8803   |
|               | 75 G75Y | 0.75    | 1.0     | 0.0     | 91.36      | -11.22     | 37.43      | 39.08           | 107    | 70.0     | 79.29    | 43.84    | 0.3625 | 0.4105 | 0.895    |
|               | 76 G80Y | 0.8     | 1.0     | 0.0     | 91.84      | -9.7       | 38.26      | 39.47           | 104    | 71.69    | 80.36    | 43.83    | 0.366  | 0.4102 | 0.9071   |
|               | 77 G85Y | 0.85    | 1.0     | 0.0     | 92.21      | -7.93      | 38.9       | 39.71           | 102    | 73.27    | 81.17    | 43.82    | 0.3696 | 0.4094 | 0.9162   |
|               | 78 G90Y | 0.9     | 1.0     | 0.0     | 92.52      | -5.88      | 39.45      | 39.88           | 98     | 74.92    | 81.88    | 43.82    | 0.3734 | 0.4081 | 0.9243   |
|               | 79 G95Y | 0.95    | 1.0     | 0.0     | 92.82      | -3.42      | 39.87      | 40.02           | 95     | 76.75    | 82.55    | 43.89    | 0.3777 | 0.4063 | 0.9318   |
|               | 80 Y00R | 0.0     | 1.0     | 0.0     | 92.85      | -0.44      | 39.85      | 39.85           | 91     | 78.3     | 82.62    | 43.97    | 0.3822 | 0.4033 | 0.9327   |
|               | 81 9500 | 1.0     | 1.0     | 1.0     | 69.7       | 0.0        | 0.0        | 0.01            | 0      | 38.32    | 40.32    | 43.9     | 0.3127 | 0.329  | 0.4551   |
|               | 82 9000 | 0.944   | 0.944   | 0.944   | 70.45      | 0.0        | 0.0        | 0.01            | 0      | 39.34    | 41.39    | 45.07    | 0.3127 | 0.329  | 0.4673   |
|               | 83 8500 | 0.889   | 0.889   | 0.889   | 71.25      | 0.0        | 0.0        | 0.01            | 0      | 40.44    | 42.55    | 46.33    | 0.3127 | 0.329  | 0.4803   |
|               | 84 8000 | 0.833   | 0.833   | 0.833   | 72.09      | 0.0        | 0.0        | 0.01            | 0      | 41.62    | 43.79    | 47.68    | 0.3127 | 0.329  | 0.4943   |
|               | 85 7500 | 0.778   | 0.778   | 0.778   | 72.92      | 0.0        | 0.0        | 0.01            | 0      | 42.89    | 45.13    | 49.13    | 0.3127 | 0.329  | 0.5094   |
|               | 86 7000 | 0.722   | 0.722   | 0.722   | 73.97      | 0.0        | 0.0        | 0.01            | 0      | 44.26    | 46.57    | 50.71    | 0.3127 | 0.329  | 0.5257   |
|               | 87 6500 | 0.667   | 0.667   | 0.667   | 74.91      | 0.0        | 0.0        | 0.01            | 0      | 45.75    | 48.14    | 52.41    | 0.3127 | 0.329  | 0.5434   |
|               | 88 6000 | 0.611   | 0.611   | 0.611   | 75.98      | 0.0        | 0.0        | 0.01            | 85     | 47.38    | 49.85    | 54.28    | 0.3127 | 0.329  | 0.5627   |
|               | 89 5500 | 0.556   | 0.556   | 0.556   | 77.11      | 0.0        | 0.0        | 0.01            | 0      | 49.16    | 51.72    | 56.32    | 0.3127 | 0.329  | 0.5838   |
|               | 90 5000 | 0.5     | 0.5     | 0.5     | 78.33      | 0.0        | 0.0        | 0.01            | 0      | 51.11    | 53.77    | 58.55    | 0.3127 | 0.329  | 0.607    |
|               | 91 4500 | 0.444   | 0.444   | 0.444   | 79.64      | 0.0        | 0.0        | 0.01            | 85     | 53.26    | 56.04    | 61.02    | 0.3127 | 0.329  | 0.6326   |
|               | 92 4000 | 0.389   | 0.389   | 0.389   | 81.05      | 0.0        | 0.0        | 0.01            | 158    | 55.65    | 58.56    | 63.76    | 0.3127 | 0.329  | 0.661    |
|               | 93 3500 | 0.333   | 0.333   | 0.333   | 82.57      | 0.0        | 0.0        | 0.01            | 85     | 58.31    | 61.36    | 66.81    | 0.3127 | 0.329  | 0.6926   |
|               | 94 3000 | 0.278   | 0.278   | 0.278   | 84.23      | 0.0        | 0.0        | 0.01            | 0      | 61.3     | 64.5     | 70.23    | 0.3127 | 0.329  | 0.7281   |
|               | 95 2500 | 0.222   | 0.222   | 0.222   | 86.04      | 0.0        | 0.0        | 0.01            | 85     | 64.68    | 68.06    | 74.1     | 0.3127 | 0.329  | 0.7682   |
|               | 96 2000 | 0.167   | 0.167   | 0.167   | 88.02      | 0.0        | 0.0        | 0.01            | 158    | 68.54    | 72.12    | 78.52    | 0.3127 | 0.329  | 0.8141   |
|               | 97 1500 | 0.111   | 0.111   | 0.111   | 90.22      | 0.0        | 0.0        | 0.01            | 158    | 72.97    | 76.78    | 83.6     | 0.3127 | 0.329  | 0.8667   |
|               | 98 1000 | 0.056   | 0.056   | 0.056   | 92.67      | 0.0        | 0.0        | 0.01            | 0      | 78.13    | 82.21    | 89.51    | 0.3127 | 0.329  | 0.9279   |
|               | 99 0500 | 0.0     | 0.0     | 0.0     | 95.41      | 0.0        | 0.0        | 0.01            | 0      | 84.2     | 88.59    | 96.46    | 0.3127 | 0.329  | 1.0      |

n = 88.59 / (88.59 + 40.32) = 0.687

Siehe Original/Kopie: http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT /PS  
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

TUB-Registrierung: 20090901-JG25/JG25L0NA.TXT /PS  
Anwendung für Messung von Drucker- oder Monitorsystemen  
TUB-Material: Code=rh4ta

Farbmetrische "Adaptierte Daten (a)": Farbmetrische Daten des Natürliches-Lichtfarbensystem NLS70a für Helligkeit  $L^*=70$  von Schwarz für D65

System NLS70a  
NCS system

**J Gelb**

D65-Reflexion:  $LCH^*_a = 92.8 \ 39.8 \ 91$

$Y_N = 40.32$

$L^*_N = 69.7$

$LAB^*_a = 92.8 \ -0.5 \ 39.8$

**G Grün**

$LCH^*_a = 80.7 \ 38.8 \ 163$

$LAB^*_a = 80.7 \ -37.2 \ 11.1$

**C\_e Cyan\_e**

$LCH^*_a = 79.8 \ 30.4 \ 197$

$LAB^*_a = 79.8 \ -29.1 \ -9.0$

**B Blau**

$LCH^*_a = 76.7 \ 29.6 \ 256 \ -1.0$

$LAB^*_a = 76.7 \ -7.4 \ -28.6$

**R Rot**

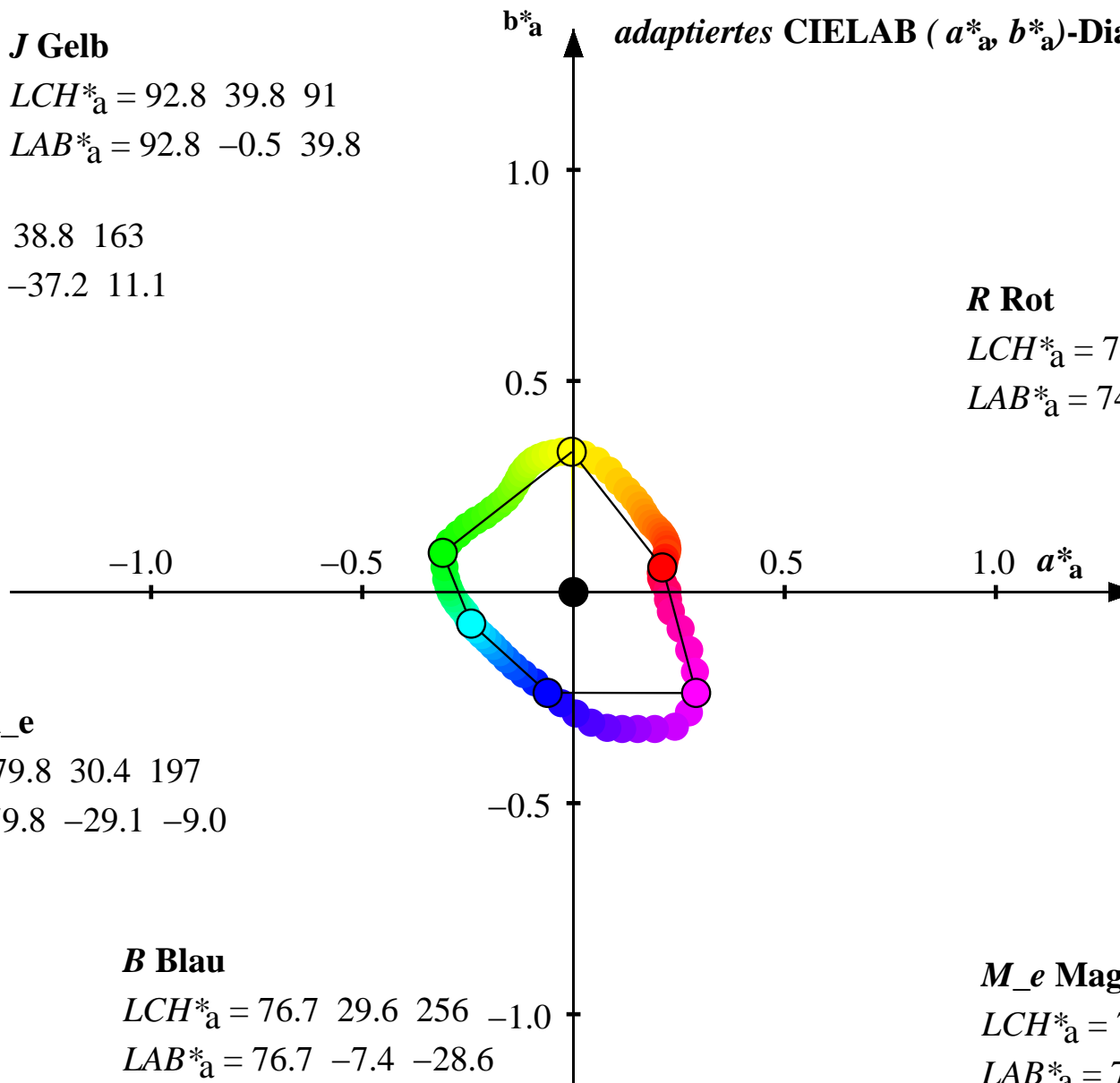
$LCH^*_a = 74.4 \ 26.2 \ 16$

$LAB^*_a = 74.4 \ 25.3 \ 7.0$

**M\_e Magenta\_e**

$LCH^*_a = 74.0 \ 45.2 \ 321$

$LAB^*_a = 74.0 \ 34.9 \ -28.7$



Siehe Original/Kopie: <http://web.me.com/klaus.richter/JG25/JG25L0NA.TXT> /.PS  
Technische Information: <http://www.ps.bam.de> oder <http://130.149.60.45/~farbmetrik>

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