

http://130.149.60.45/~farbmetrik/TN03/TN03L0NA.TXT /PS; start output  
N: no 3D-linearization (OL) in file (F) or PS-startup (S), page 1/2

| Cod.      | i  | [X, Y, Z, x, y] <sub>100</sub> | [L*, a*, b*, C <sub>ab</sub> <sup>*</sup> , h <sub>ab</sub> <sup>*</sup> , a', b', c <sub>ab</sub> <sup>*</sup> ] <sub>100</sub> | [Y, A, B, C <sub>AB</sub> <sup>*</sup> , h <sub>AB</sub> <sup>*</sup> , a, b, c <sub>AB</sub> <sup>*</sup> ] <sub>100</sub> | [Y, A, B, C <sub>AB</sub> <sup>*</sup> , h <sub>AB</sub> <sup>*</sup> , a, b, c <sub>AB</sub> <sup>*</sup> ] <sub>100</sub> | [X, Y, Z] <sub>100</sub>                      | [L*, a*, b*, C <sub>ab</sub> <sup>*</sup> , h <sub>ab</sub> <sup>*</sup> , a', b', c <sub>ab</sub> <sup>*</sup> ] <sub>100</sub> | [Y, A, B, C <sub>AB</sub> <sup>*</sup> , h <sub>AB</sub> <sup>*</sup> , a, b, c <sub>AB</sub> <sup>*</sup> ] <sub>100</sub> |                              |                            |
|-----------|----|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------|----------------------------|
| 0099-R00B | 00 | 27.2 11.6 1.4                  | 0.677 0.289                                                                                                                      | 40.6 85.6 50.8 99.6 30.7 0.291                                                                                              | -0.102 0.136                                                                                                                | 11.6 16.2 4.5 16.8 15.5 2.342 -0.047 1.446    | 46 17 631 487                                                                                                                    | 24.1 10.3 1.2                                                                                                               | 38.3 82.3 48.8 95.6 30.7     | 10.3 14.3 4.0 14.9 15.5    |
| 0099-Y95R | 01 | 29.8 13.2 0.4                  | 0.687 0.305                                                                                                                      | 43.1 85.0 69.3 109.6 39.2 0.287                                                                                             | -0.061 0.169                                                                                                                | 13.2 17.2 5.6 18.1 18.0 2.253 -0.01 1.371     | 43 17 610 486                                                                                                                    | 26.4 11.7 0.3                                                                                                               | 40.7 81.6 65.8 104.9 38.9    | 11.7 15.3 5.0 16.0 18.0    |
| 0099-Y90R | 02 | 32.3 15.0 0.0                  | 0.683 0.317                                                                                                                      | 45.6 83.2 78.7 114.5 43.4 0.283                                                                                             | 0.0 0.226                                                                                                                   | 15.0 18.0 6.5 19.2 19.9 2.151 0.0 1.278       | 42 17 617 487                                                                                                                    | 28.6 13.3 0.0                                                                                                               | 43.2 79.9 74.5 109.3 43.0    | 13.3 16.0 5.8 17.0 19.9    |
| 0099-Y85R | 03 | 34.4 16.9 0.0                  | 0.671 0.329                                                                                                                      | 48.1 80.2 82.9 115.4 46.0 0.278                                                                                             | 0.0 0.225                                                                                                                   | 16.8 18.4 7.3 19.8 21.8 2.039 0.0 1.173       | 41 17 606 486                                                                                                                    | 30.5 15.0 0.0                                                                                                               | 45.6 77.0 78.6 110.0 45.6    | 15.0 16.3 6.5 17.5 21.8    |
| 0099-Y80R | 04 | 36.3 18.8 0.0                  | 0.659 0.341                                                                                                                      | 50.5 76.4 86.7 115.6 48.6 0.273                                                                                             | -0.02 0.203                                                                                                                 | 18.9 18.4 8.2 20.2 23.9 1.93 0.0 1.073        | 40 17 602 486                                                                                                                    | 32.1 16.7 0.0                                                                                                               | 47.8 73.4 82.2 110.2 48.2    | 16.7 16.3 7.2 17.9 23.9    |
| 0099-Y75R | 05 | 38.2 20.7 0.1                  | 0.647 0.352                                                                                                                      | 52.7 73.0 89.5 115.5 50.8 0.269                                                                                             | -0.033 0.189                                                                                                                | 20.7 18.5 9.0 20.5 25.9 1.84 -0.001 0.99      | 39 17 599 485                                                                                                                    | 33.8 18.4 0.1                                                                                                               | 49.9 70.1 85.0 110.2 50.5    | 18.4 16.4 8.0 18.2 25.9    |
| 0099-Y70R | 06 | 40.0 22.7 0.0                  | 0.638 0.362                                                                                                                      | 54.8 69.8 94.4 117.4 53.5 0.265                                                                                             | 0.0 0.221                                                                                                                   | 22.7 18.4 9.9 20.9 28.2 1.762 0.0 0.922       | 39 17 597 485                                                                                                                    | 35.4 20.1 0.0                                                                                                               | 52.0 67.1 89.6 111.9 53.2    | 20.1 16.3 8.7 18.5 28.2    |
| 0099-Y65R | 07 | 41.7 24.7 0.0                  | 0.628 0.372                                                                                                                      | 56.8 66.5 97.8 118.3 55.8 0.261                                                                                             | 0.0 0.22                                                                                                                    | 24.7 18.3 10.7 21.2 30.4 1.69 0.0 0.859       | 39 16 595 484                                                                                                                    | 36.9 21.9 0.0                                                                                                               | 53.9 63.9 92.9 112.7 55.5    | 21.9 16.2 9.5 18.8 30.4    |
| 0099-Y60R | 08 | 43.2 26.7 0.0                  | 0.618 0.382                                                                                                                      | 58.7 62.7 101.2 119.0 58.2 0.257                                                                                            | 0.0 0.22                                                                                                                    | 26.7 17.9 11.6 21.3 33.0 1.61 0.0 0.799       | 38 16 592 484                                                                                                                    | 38.3 23.7 0.0                                                                                                               | 55.7 60.2 96.1 113.4 57.9    | 23.7 15.8 10.3 18.9 33.0   |
| 0099-Y55R | 09 | 44.6 28.9 0.1                  | 0.607 0.392                                                                                                                      | 60.6 58.4 103.9 119.2 60.6 0.254                                                                                            | -0.024 0.194                                                                                                                | 28.9 17.2 12.5 21.3 36.0 1.547 0.0 0.739      | 38 16 590 483                                                                                                                    | 39.5 25.6 0.0                                                                                                               | 57.6 56.1 98.7 113.5 60.4    | 25.6 15.3 11.1 18.9 36.0   |
| 0099-Y50R | 10 | 46.2 31.2 0.1                  | 0.596 0.403                                                                                                                      | 62.7 54.1 107.1 119.9 63.2 0.25                                                                                             | -0.026 0.191                                                                                                                | 31.2 16.5 13.5 21.4 39.3 1.48 0.0 0.685       | 37 16 588 483                                                                                                                    | 40.9 27.6 0.1                                                                                                               | 59.6 51.9 101.8 114.3 63.0   | 27.6 14.7 12.0 18.9 39.3   |
| 0099-Y45R | 11 | 48.1 33.9 0.1                  | 0.586 0.413                                                                                                                      | 64.9 50.0 110.8 121.6 65.7 0.246                                                                                            | -0.026 0.192                                                                                                                | 33.9 15.9 14.7 21.7 42.8 1.419 0.0 0.64       | 37 16 586 482                                                                                                                    | 42.6 30.0 0.1                                                                                                               | 61.7 48.0 105.4 115.8 65.5   | 30.0 14.1 13.0 19.2 42.8   |
| 0099-Y40R | 12 | 50.4 37.0 0.1                  | 0.576 0.423                                                                                                                      | 67.3 46.0 115.3 124.1 68.3 0.243                                                                                            | -0.020 0.195                                                                                                                | 37.0 15.3 16.1 22.2 46.4 1.363 0.0 0.6        | 37 16 585 482                                                                                                                    | 44.7 32.8 0.0                                                                                                               | 64.0 44.2 109.7 118.2 68.1   | 32.8 13.6 14.2 19.7 46.4   |
| 0099-Y35R | 13 | 53.3 40.7 0.1                  | 0.566 0.433                                                                                                                      | 70.0 41.9 119.3 126.5 70.7 0.24                                                                                             | -0.020 0.19                                                                                                                 | 40.7 14.6 17.7 22.9 50.4 1.309 0.0 0.564      | 36 16 583 481                                                                                                                    | 47.2 36.0 0.1                                                                                                               | 66.6 40.2 113.6 120.5 70.5   | 36.0 13.0 15.7 20.3 50.4   |
| 0099-Y30R | 14 | 56.3 44.8 0.1                  | 0.557 0.443                                                                                                                      | 72.8 37.5 124.3 129.8 73.2 0.237                                                                                            | -0.020 0.191                                                                                                                | 44.8 13.8 19.5 23.8 54.7 1.257 0.0 0.532      | 36 16 581 480                                                                                                                    | 49.9 39.7 0.1                                                                                                               | 69.2 36.0 118.4 123.7 73.1   | 39.7 12.2 17.2 21.1 54.7   |
| 0099-Y25R | 15 | 59.4 49.3 0.1                  | 0.546 0.453                                                                                                                      | 75.6 32.6 128.7 132.8 75.8 0.233                                                                                            | -0.020 0.188                                                                                                                | 49.3 12.6 21.4 24.8 59.6 1.204 0.0 0.503      | 36 15 580 479                                                                                                                    | 52.6 43.7 0.1                                                                                                               | 72.0 31.3 122.6 126.6 75.7   | 43.7 11.1 19.0 22.0 59.6   |
| 0099-Y20R | 16 | 63.0 54.8 0.1                  | 0.534 0.465                                                                                                                      | 78.9 27.0 134.9 137.6 78.7 0.23                                                                                             | -0.023 0.192                                                                                                                | 54.8 11.0 23.8 26.2 65.3 1.15 0.0 0.478       | 35 15 578 478                                                                                                                    | 55.8 48.5 0.1                                                                                                               | 75.2 25.9 128.6 131.2 78.6   | 48.5 9.7 21.1 23.2 65.3    |
| 0099-Y15R | 17 | 67.3 61.6 0.2                  | 0.522 0.477                                                                                                                      | 82.7 20.5 140.1 141.6 81.7 0.226                                                                                            | -0.028 0.187                                                                                                                | 61.6 8.8 26.7 28.1 71.7 1.093 0.0 0.457       | 35 15 576 477                                                                                                                    | 59.6 54.5 0.2                                                                                                               | 78.8 19.6 133.7 135.1 81.6   | 54.5 7.8 23.7 24.9 71.7    |
| 0099-Y10R | 18 | 70.7 68.0 0.3                  | 0.508 0.489                                                                                                                      | 86.0 13.5 143.8 144.5 84.7 0.22                                                                                             | -0.034 0.181                                                                                                                | 68.0 6.1 29.5 30.1 78.3 1.039 -0.001 0.443    | 34 15 574 476                                                                                                                    | 62.6 60.2 0.3                                                                                                               | 82.0 12.9 137.4 138.0 84.6   | 60.2 5.4 26.1 26.7 78.3    |
| 0099-Y05R | 19 | 71.8 72.4 0.5                  | 0.496 0.5                                                                                                                        | 88.2 6.5 144.9 145.0 87.4 0.219                                                                                             | -0.039 0.172                                                                                                                | 72.4 3.0 31.3 31.5 84.5 0.991 -0.002 0.434    | 34 14 572 475                                                                                                                    | 63.6 64.2 0.4                                                                                                               | 84.1 6.3 136.6 138.7 87.4    | 64.2 2.7 27.7 27.9 84.5    |
| 0099-Y00R | 20 | 70.8 74.5 0.7                  | 0.485 0.51                                                                                                                       | 89.2 0.1 143.7 143.7 90.2 0.218                                                                                             | -0.041 0.174                                                                                                                | 74.5 0.5 32.0 32.1 85.0 0.985 -0.003 0.434    | 34 14 570 472                                                                                                                    | 62.7 66.0 0.6                                                                                                               | 85.0 0.1 137.7 137.7 90.0    | 65.0 0.0 28.5 28.5 89.9    |
| 0099-C95Y | 21 | 68.0 74.4 0.8                  | 0.475 0.519                                                                                                                      | 89.1 -5.5 141.7 141.8 92.3 0.213                                                                                            | -0.046 0.169                                                                                                                | 74.4 2.5 32.0 32.1 94.6 0.915 -0.003 0.432    | 33 14 569 471                                                                                                                    | 60.3 65.9 0.7                                                                                                               | 84.9 -5.3 135.9 136.0 92.3   | 65.9 -2.2 28.4 28.5 94.6   |
| 0099-C90Y | 22 | 64.7 73.1 0.8                  | 0.467 0.527                                                                                                                      | 88.5 -10.0 140.5 140.9 94.3 0.21                                                                                            | -0.046 0.169                                                                                                                | 73.1 -4.6 31.5 31.8 98.6 0.885 -0.004 0.435   | 33 13 568 468                                                                                                                    | 57.3 64.8 0.7                                                                                                               | 84.4 -10.0 134.9 135.2 94.3  | 64.8 -4.1 27.9 28.2 98.6   |
| 0099-G85Y | 23 | 61.7 71.8 0.9                  | 0.459 0.534                                                                                                                      | 87.9 -14.6 138.5 139.2 96.1 0.208                                                                                           | -0.048 0.167                                                                                                                | 71.8 -6.4 30.9 31.5 101.9 0.899 -0.004 0.44   | 33 13 567 465                                                                                                                    | 54.6 63.6 0.8                                                                                                               | 83.8 -14.0 132.8 133.6 96.1  | 63.6 -5.7 27.3 27.9 101.9  |
| 0099-G80Y | 24 | 58.8 70.3 0.8                  | 0.443 0.541                                                                                                                      | 87.1 -18.1 138.4 139.6 97.6 0.207                                                                                           | -0.047 0.168                                                                                                                | 70.3 -7.8 30.3 31.3 104.7 0.836 -0.004 0.445  | 33 12 566 463                                                                                                                    | 52.1 62.3 0.7                                                                                                               | 83.1 -17.6 132.7 133.9 97.6  | 62.3 -6.9 26.8 27.7 104.7  |
| 0099-G75Y | 25 | 55.8 68.4 0.6                  | 0.447 0.548                                                                                                                      | 86.2 -21.6 140.2 141.8 98.8 0.205                                                                                           | -0.047 0.173                                                                                                                | 68.4 -9.0 29.5 30.9 107.2 0.816 -0.002 0.452  | 33 12 565 460                                                                                                                    | 49.4 60.6 0.5                                                                                                               | 82.1 -20.7 134.1 135.8 98.8  | 60.6 -8.0 26.1 27.4 107.2  |
| 0099-G70Y | 26 | 52.6 66.0 0.6                  | 0.441 0.554                                                                                                                      | 85.0 -24.5 138.4 140.6 100.1 0.203                                                                                          | -0.042 0.173                                                                                                                | 66.0 -10.0 28.5 30.2 109.4 0.797 -0.002 0.458 | 32 11 564 456                                                                                                                    | 46.6 58.5 0.5                                                                                                               | 81.0 -23.6 132.4 134.5 100.1 | 58.5 -8.8 25.2 26.8 109.4  |
| 0099-G65Y | 27 | 49.2 63.2 0.6                  | 0.435 0.559                                                                                                                      | 83.6 -27.4 135.8 138.5 101.4 0.202                                                                                          | -0.043 0.172                                                                                                                | 63.2 -10.7 27.3 29.3 111.6 0.778 -0.003 0.461 | 32 10 563 451                                                                                                                    | 43.6 56.0 0.5                                                                                                               | 79.6 -26.3 129.9 132.6 101.5 | 56.0 -9.5 24.2 26.0 111.6  |
| 0099-G60Y | 28 | 45.5 60.0 0.7                  | 0.429 0.565                                                                                                                      | 81.8 -30.2 131.8 135.2 103.0 0.2                                                                                            | -0.045 0.17                                                                                                                 | 60.0 -11.3 25.8 28.3 113.8 0.759 -0.003 0.471 | 32 8 563 443                                                                                                                     | 40.3 53.2 0.6                                                                                                               | 78.0 -29.0 126.2 129.5 103.0 | 53.2 -10.9 20.9 25.0 113.8 |
| 0099-G55Y | 29 | 41.5 56.2 0.5                  | 0.422 0.573                                                                                                                      | 79.8 -33.3 130.1 134.3 104.4 0.198                                                                                          | -0.043 0.173                                                                                                                | 56.2 -11.8 24.3 27.0 116.2 0.737 -0.003 0.481 | 32 5 562 427                                                                                                                     | 36.7 49.8 0.5                                                                                                               | 76.0 -32.0 124.4 128.4 104.5 | 49.8 -10.5 21.5 24.0 116.2 |
| 0099-G50Y | 30 | 37.1 52.2 0.4                  | 0.414 0.582                                                                                                                      | 77.4 -36.8 127.4 132.7 106.2 0.196                                                                                          | -0.041 0.175                                                                                                                | 52.2 -12.3 22.5 25.7 118.9 0.711 -0.002 0.493 | 32 -1 560 560c                                                                                                                   | 32.9 46.2 0.4                                                                                                               | 73.7 -35.4 121.7 126.8 106.2 | 46.2 -10.9 20.0 22.8 118.9 |
| 0099-G45Y | 31 | 32.8 48.2 0.4                  | 0.403 0.592                                                                                                                      | 75.0 -40.1 123.4 130.0 108.4 0.193                                                                                          | -0.042 0.174                                                                                                                | 48.2 -12.9 20.8 24.5 121.9 0.681 -0.002 0.509 | 31 -1 559 559c                                                                                                                   | 29.1 42.7 0.4                                                                                                               | 71.4 -39.4 117.8 124.3 108.5 | 42.7 -11.4 18.4 21.7 121.9 |
| 0099-G40Y | 32 | 28.6 44.5 0.4                  | 0.389 0.606                                                                                                                      | 72.6 -46.4 119.8 128.5 111.2 0.189                                                                                          | -0.041 0.175                                                                                                                | 44.5 -13.5 19.2 23.6 125.4 0.643 -0.002 0.529 | 31 -1 557 557c                                                                                                                   | 25.4 39.4 0.3                                                                                                               | 69.1 -44.5 114.4 122.8 111.3 | 39.4 -12.0 17.0 20.9 125.4 |
| 0099-G35Y | 33 | 24.6 41.3 0.3                  | 0.372 0.624                                                                                                                      | 70.4 -53.4 117.7 129.3 114.4 0.184                                                                                          | -0.037 0.18                                                                                                                 | 41.3 -14.5 17.8 23.0 129.2 0.596 -0.001 0.559 | 30 -1 554 554c                                                                                                                   | 21.8 36.6 0.2                                                                                                               | 66.9 -51.3 112.2 123.4 114.6 | 36.6 -12.8 15.8 20.4 129.2 |
| 0099-G30Y | 34 | 20.9 38.5 0.3                  | 0.35 0.645                                                                                                                       | 68.4 -61.8 113.3 129.1 118.6 0.179                                                                                          | -0.041 0.177                                                                                                                | 38.5 -15.6 16.6 22.8 133.3 0.543 -0.002 0.593 | 30 -1 551 551c                                                                                                                   | 18.5 34.1 0.3                                                                                                               | 65.0 -59.3 108.1 123.4 118.8 | 34.1 -13.8 14.7 20.2 133.3 |
| 0099-G25Y | 35 | 17.5 36.2 0.6                  | 0.322 0.667                                                                                                                      | 66.7 -71.9 106.1 128.2 124.2 0.172                                                                                          | -0.053 0.168                                                                                                                | 36.2 -16.8 15.5 22.9 137.5 0.482 -0.006 0.634 | 29 -1 547 547c                                                                                                                   | 15.5 32.1 0.5                                                                                                               | 63.4 -69.1 101.4 122.8 124.3 | 32.1 -14.9 13.7 20.3 137.5 |
| 0099-G20Y | 36 | 13.9 34.3 0.6                  | 0.285 0.703                                                                                                                      | 65.2 -86.4 103.7 135.0 129.9 0.162                                                                                          | -0.054 0.17                                                                                                                 | 34.3 -18.6 14.7 23.8 141.8 0.405 -0.006 0.693 | 28 -1 542 542c                                                                                                                   | 12.3 30.4 0.5                                                                                                               | 62.0 -83.0 99.1 129.4 130.0  | 30.4 -16.4 13.0 21.0 141.8 |
| 0099-G15Y | 37 | 10.0 32.8 0.6                  | 0.231 0.755                                                                                                                      | 64.0 -108.2 102.0 148.8 136.7 0.148                                                                                         | -0.054 0.175                                                                                                                | 32.8 -21.0 14.0 25.3 146.4 0.306 -0.006 0.773 | 27 -1 535 535c                                                                                                                   | 8.9 29.0 0.5                                                                                                                | 60.8 -104.0 97.5 124.6 136.9 | 29.0 -18.6 12.4 22.4 146.4 |
| 0099-G10Y | 38 | 6.7 31.5 2.2                   | 0.166 0.781                                                                                                                      | 62.9 -133.6 82.0 156.8 148.5 0.131                                                                                          | -0.085 0.155                                                                                                                | 31.5 -23.1 12.8 26.5 150.1 0.212 -0.026 0.842 | 25 -1 525 525c                                                                                                                   | 5.9 27.9 1.9                                                                                                                | 59.8 -128.3 78.8 150.6 148.5 | 27.9 -20.5 11.4 23.5 151.0 |
| 0099-G05Y | 39 | 4.6 30.4 6.0                   | 0.113 0.741                                                                                                                      | 62.0 -155.5 58.4 164.3 159.2 0.117                                                                                          | -0.121 0.136                                                                                                                | 30.4 -24.2 10.8 26.6 155.9 0.152 -0.078 0.873 | 22 -1 514 514c                                                                                                                   | 4.1 26.9 5.3                                                                                                                | 58.9 -147.4 56.1 157.8 159.2 | 26.9 -21.4 9.6 23.5 155.9  |
| 0099-G00Y | 40 | 3.7 29.5 11.7                  | 0.083 0.658                                                                                                                      | 61.2 -163.1 38.2 167.6 166.8 0.11                                                                                           | -0.153 0.123                                                                                                                | 29.5 -24.2 8.2 25.6 161.4 0.126 -0.157 0.869  | 21 -1 505 505c                                                                                                                   | 3.3 26.1 10.3                                                                                                               | 58.2 -156.6 36.6 160.9 166.8 | 26.1 -21.4 7.2 22.7 161.4  |
| 0099-B95G | 41 | 3.7 28.8 18.4                  | 0.073 0.565                                                                                                                      | 60.6 -159.9 21.3 161.4 172.4 0.111                                                                                          | -0.18 0.111                                                                                                                 | 28.8 -23.5 5.1 24.1 167.7 0.13 -0.255 0.839   | 19 -1 499 499c                                                                                                                   | 3.3 25.5 16.3                                                                                                               | 57.5 -153.6 20.5 155.0 172.4 | 25.5 -20.8 4.5 21.4 167.7  |
| 0099-B90G | 42 | 4.6 28.2 24.5                  | 0.08 0.492                                                                                                                       | 60.1 -145.6 9.4 146.0 176.3 0.12                                                                                            | -0.199 0.098                                                                                                                | 28.2 -22.1 2.5 22.3 173.7 0.163 -0.347 0.792  | 19 -1 495 495c                                                                                                                   | 4.1 25.0 21.7                                                                                                               | 57.1 -139.9 9.0 140.3 176.3  | 25.0 -19.6 2.2 19.8 173.7  |
| 0099-B85G | 43 | 5.2 27.9 28.5                  | 0.085 0.452                                                                                                                      | 59.8 -136.2 2.7 136.3 178.9 0.126                                                                                           | -0.21 0.091                                                                                                                 | 27.9 -21.1 0.7 21.2 178.0 0.188 -0.408 0.762  | 18 -1 493 493c                                                                                                                   | 4.6 24.7 25.3                                                                                                               | 56.8 -130.8 2.6 130.9 178.9  | 24.7 -18.7 0.6 18.8 178.9  |
| 0099-B80G | 44 | 5.4 27.7 31.3                  | 0.084 0.43                                                                                                                       | 59.6 -133.4 1.6 133.5 180.7 0.127                                                                                           | -0.217 0.089                                                                                                                | 27.7 -20.8 -0.4 20.9 181.3 0.195 -0.451 0.754 | 18 -1 491 491c                                                                                                                   | 4.8 24.5 27.7                                                                                                               | 56.6 -128.1 -1.5 128.3 180.7 | 24.5 -18.4 -0.3 18.5 181.3 |
| 0099-B75G | 45 | 5.7 27.6 34.0                  | 0.085 0.41                                                                                                                       | 59.5 -129.7 1.5 129.9 182.5 0.13                                                                                            | -0.224 0.087                                                                                                                | 27.6 -20.4 -1.5 20.6 184.5 0.206 -0.492 0.745 | 18 -1 490 490c                                                                                                                   | 5.0 24.4 30.1                                                                                                               | 56.5 -124.6 -5.3 124.8 182.5 | 24.4 -18.1 -1.3 18.2 184.5 |
| 0099-B70G | 46 | 6.2 27.5 36.7                  | 0.088 0.391                                                                                                                      | 59.4 -123.7 1.1 124.1 184.3 0.133                                                                                           | -0.23 0.084                                                                                                                 | 27.5 -19.8 -2.6 20.1 187.8 0.225 -0.533 0.731 | 17 -1 489 489c                                                                                                                   | 5.5 24.4 32.5                                                                                                               | 56.4 -118.8 -8.7 119.2 184.3 | 24.4 -17.5 -2.3 17.8 187.8 |
| 0099-B65G | 47 | 6.6 27.5 39.5                  | 0.09 0.373                                                                                                                       |                                                                                                                             |                                                                                                                             |                                               |                                                                                                                                  |                                                                                                                             |                              |                            |

see similar files: <http://130.149.60.45/~farbmetrik/TN03/TN03.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| Cod.      | i   | [X, Y, Z, x, y] <sub>100</sub> | [L*, a*, b*, C*, h <sub>ab</sub> , a', b', c' <sub>ab</sub> ] <sub>100</sub> | [Y, A, B, C <sub>AB</sub> , h <sub>AB</sub> , a, b, c <sub>AB</sub> ] <sub>100</sub> | [i <sub>a</sub> ', i <sub>c</sub> ', λ <sub>a</sub> ', λ <sub>c</sub> '] <sub>100</sub> | [X, Y, Z] <sub>89</sub> | [L*, a*, b*, C*, h <sub>ab</sub> ] <sub>89</sub> | [Y, A, B, C <sub>AB</sub> , h <sub>AB</sub> ] <sub>89</sub> |                        |
|-----------|-----|--------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------|-------------------------------------------------------------|------------------------|
| 9900-W99N | 80  | 0.7 0.8 0.9                    | 0.312 0.329                                                                  | 7.0 0.0 0.0 0.0 227.8 0.215 -0.215 0.01                                              | 0.8 0.0 0.0 0.0 229.9 0.949 -0.435 0.01                                                 | 16 36 481 583           | 0.7 0.7 0.8                                      | 6.2 0.0 0.0 0.0 227.8                                       | 0.7 0.0 0.0 0.0 229.7  |
| 9500-W95N | 81  | 2.4 2.5 2.8                    | 0.312 0.329                                                                  | 18.1 0.0 0.0 0.0 164.0 0.215 -0.214 0.01                                             | 2.5 0.0 0.0 0.0 160.6 0.949 -0.434 0.01                                                 | 20 -1 504 504c          | 2.1 2.2 2.4                                      | 16.7 0.0 0.0 0.0 164.0                                      | 2.2 0.0 0.0 0.0 160.5  |
| 9000-W90N | 82  | 4.2 4.4 4.8                    | 0.313 0.329                                                                  | 25.0 0.0 0.0 0.0 329.0 0.215 -0.215 0.01                                             | 4.4 0.0 0.0 0.0 326.1 0.95 -0.434 0.01                                                  | -1 27 537c 537          | 3.7 3.9 4.2                                      | 23.3 0.0 0.0 0.0 329.0                                      | 3.9 0.0 0.0 0.0 326.2  |
| 8500-W85N | 83  | 6.1 6.4 7.0                    | 0.313 0.329                                                                  | 30.4 0.0 0.0 0.1 325.8 0.215 -0.215 0.01                                             | 6.4 0.0 0.0 0.0 322.4 0.95 -0.435 0.01                                                  | -1 28 542c 542          | 5.4 5.7 6.2                                      | 28.6 0.0 0.0 0.1 325.8                                      | 5.7 0.0 0.0 0.0 322.5  |
| 8000-W80N | 84  | 8.1 8.6 9.3                    | 0.313 0.329                                                                  | 35.1 0.0 0.0 0.0 318.5 0.215 -0.215 0.01                                             | 8.6 0.0 0.0 0.0 314.9 0.95 -0.434 0.01                                                  | -1 30 550c 550          | 7.2 7.6 8.3                                      | 33.1 0.0 0.0 0.0 318.5                                      | 7.6 0.0 0.0 0.0 315.0  |
| 7500-W75N | 85  | 10.4 10.9 11.9                 | 0.313 0.329                                                                  | 39.4 0.1 0.0 0.1 351.1 0.216 -0.214 0.01                                             | 10.9 0.0 0.0 0.0 350.1 0.95 -0.434 0.01                                                 | -1 19 497c 497          | 9.2 9.7 10.5                                     | 37.2 0.1 0.0 0.1 351.1                                      | 9.7 0.0 0.0 0.0 350.1  |
| 7000-W70N | 86  | 12.8 13.4 14.6                 | 0.313 0.329                                                                  | 43.4 0.1 0.0 0.1 331.0 0.215 -0.215 0.01                                             | 13.4 0.0 0.0 0.0 327.7 0.95 -0.434 0.01                                                 | -1 26 533c 533          | 11.3 11.9 12.9                                   | 41.0 0.1 0.0 0.1 331.0                                      | 11.9 0.0 0.0 0.0 327.8 |
| 6500-W65N | 87  | 15.4 16.1 17.6                 | 0.313 0.329                                                                  | 47.2 0.1 0.0 0.1 342.8 0.216 -0.215 0.01                                             | 16.1 0.0 0.0 0.0 340.6 0.95 -0.434 0.01                                                 | -1 21 506c 506          | 13.6 14.3 15.6                                   | 44.7 0.1 0.0 0.1 342.8                                      | 14.3 0.0 0.0 0.0 340.6 |
| 6000-W60N | 88  | 18.2 19.1 20.8                 | 0.313 0.329                                                                  | 50.8 0.1 0.0 0.1 334.8 0.216 -0.215 0.01                                             | 19.1 0.0 0.0 0.0 331.8 0.95 -0.435 0.01                                                 | -1 24 523c 523          | 16.1 16.9 18.5                                   | 48.2 0.1 0.0 0.1 334.8                                      | 16.9 0.0 0.0 0.0 331.8 |
| 5500-W55N | 89  | 21.3 22.4 24.4                 | 0.313 0.329                                                                  | 54.4 0.1 0.0 0.1 344.2 0.216 -0.214 0.01                                             | 22.4 0.0 0.0 0.0 342.1 0.95 -0.434 0.01                                                 | -1 20 504c 504          | 18.9 19.8 21.6                                   | 51.7 0.1 0.0 0.1 344.2                                      | 19.8 0.0 0.0 0.0 342.1 |
| 5000-W50N | 90  | 24.7 26.0 28.3                 | 0.313 0.329                                                                  | 58.0 0.1 0.0 0.2 339.5 0.216 -0.215 0.01                                             | 26.0 0.0 0.0 0.0 336.9 0.951 -0.435 0.01                                                | -1 22 512c 512          | 21.9 23.0 25.0                                   | 55.1 0.1 0.0 0.1 339.5                                      | 23.0 0.0 0.0 0.0 336.9 |
| 4500-W45N | 91  | 28.4 29.9 32.6                 | 0.313 0.329                                                                  | 61.6 0.1 0.0 0.1 337.4 0.216 -0.215 0.01                                             | 29.9 0.0 0.0 0.0 334.6 0.951 -0.435 0.01                                                | -1 23 517c 517          | 25.2 26.5 28.9                                   | 58.5 0.1 0.0 0.1 337.4                                      | 26.5 0.0 0.0 0.0 334.6 |
| 4000-W40N | 92  | 32.6 34.3 37.3                 | 0.313 0.329                                                                  | 65.2 0.1 0.0 0.1 340.2 0.216 -0.215 0.01                                             | 34.3 0.0 0.0 0.0 337.6 0.95 -0.434 0.01                                                 | -1 22 511c 511          | 28.9 30.4 33.1                                   | 62.0 0.1 0.0 0.1 340.2                                      | 30.4 0.0 0.0 0.0 337.6 |
| 3500-W35N | 93  | 37.2 39.2 42.7                 | 0.313 0.329                                                                  | 68.9 0.1 0.0 0.1 338.0 0.216 -0.215 0.01                                             | 39.2 0.0 0.0 0.0 335.2 0.95 -0.435 0.01                                                 | -1 23 515c 515          | 33.0 34.7 37.8                                   | 65.5 0.1 0.0 0.1 338.0                                      | 34.7 0.0 0.0 0.0 335.2 |
| 3000-W30N | 94  | 42.4 44.7 48.6                 | 0.313 0.329                                                                  | 72.7 0.1 0.0 0.2 341.0 0.216 -0.215 0.01                                             | 44.7 0.0 0.0 0.1 338.5 0.951 -0.434 0.01                                                | -1 21 509c 509          | 37.6 39.6 43.1                                   | 69.2 0.1 0.0 0.2 341.0                                      | 39.6 0.0 0.0 0.0 338.5 |
| 2500-W25N | 95  | 48.3 50.8 55.4                 | 0.313 0.329                                                                  | 76.6 0.1 0.0 0.2 336.2 0.216 -0.215 0.01                                             | 50.8 0.1 0.0 0.1 333.2 0.95 -0.435 0.01                                                 | -1 24 520c 520          | 42.8 45.0 49.0                                   | 72.9 0.1 0.0 0.2 336.2                                      | 45.0 0.0 0.0 0.1 336.0 |
| 2000-W20N | 96  | 55.0 57.9 63.1                 | 0.313 0.329                                                                  | 80.7 0.2 0.0 0.2 338.8 0.216 -0.215 0.01                                             | 57.9 0.1 0.0 0.1 336.0 0.95 -0.435 0.01                                                 | -1 22 514c 514          | 48.8 51.3 55.9                                   | 76.9 0.1 0.0 0.2 338.8                                      | 51.3 0.1 0.0 0.1 336.0 |
| 1500-W15N | 97  | 62.8 66.0 71.9                 | 0.313 0.329                                                                  | 85.0 0.2 0.0 0.2 339.6 0.216 -0.215 0.01                                             | 66.0 0.1 0.0 0.1 336.9 0.95 -0.434 0.01                                                 | -1 22 512c 512          | 55.6 58.5 63.7                                   | 81.0 0.2 0.0 0.2 339.6                                      | 58.5 0.1 0.0 0.1 337.0 |
| 1000-W10N | 98  | 71.7 75.5 82.2                 | 0.313 0.329                                                                  | 89.6 0.2 0.0 0.2 338.8 0.216 -0.215 0.01                                             | 75.5 0.1 0.0 0.1 336.1 0.95 -0.435 0.01                                                 | -1 22 513c 513          | 63.6 66.9 72.8                                   | 85.4 0.2 0.0 0.2 338.8                                      | 66.9 0.1 0.0 0.1 336.1 |
| 0500-W05N | 99  | 82.3 86.6 94.3                 | 0.313 0.329                                                                  | 94.6 0.2 0.0 0.2 338.5 0.216 -0.215 0.01                                             | 86.6 0.1 0.0 0.1 335.7 0.95 -0.435 0.01                                                 | -1 22 514c 514          | 72.9 76.7 83.5                                   | 90.2 0.2 0.0 0.2 338.5                                      | 76.7 0.1 0.0 0.1 335.7 |
| 0000-W00N | 100 | 94.9 99.9 108.8                | 0.313 0.329                                                                  | 100.0 0.2 0.0 0.2 338.2 0.216 -0.215 0.01                                            | 99.9 0.1 0.0 0.1 335.4 0.95 -0.435 0.01                                                 | -1 23 515c 515          | 84.1 88.5 96.4                                   | 95.4 0.2 0.0 0.2 338.2                                      | 88.5 0.1 0.0 0.1 335.4 |

TN030-7 Yn = Yw = 100

TUB-test chart TN03; ; CIE data: hue circle and greys  
Calculated from XYZ of NCS-Standard SS019104:1998, 3D=0, data transfer to  $rgb_d$   
input: w/rgb/cmyk ->  $rgb_d$   
output: transfer to  $rgb_d$

TUB registration: 20130201-TN03/TN03L0NA.TXT /PS  
application for measurement of display output, no separation

TUB material: code=rha4ta