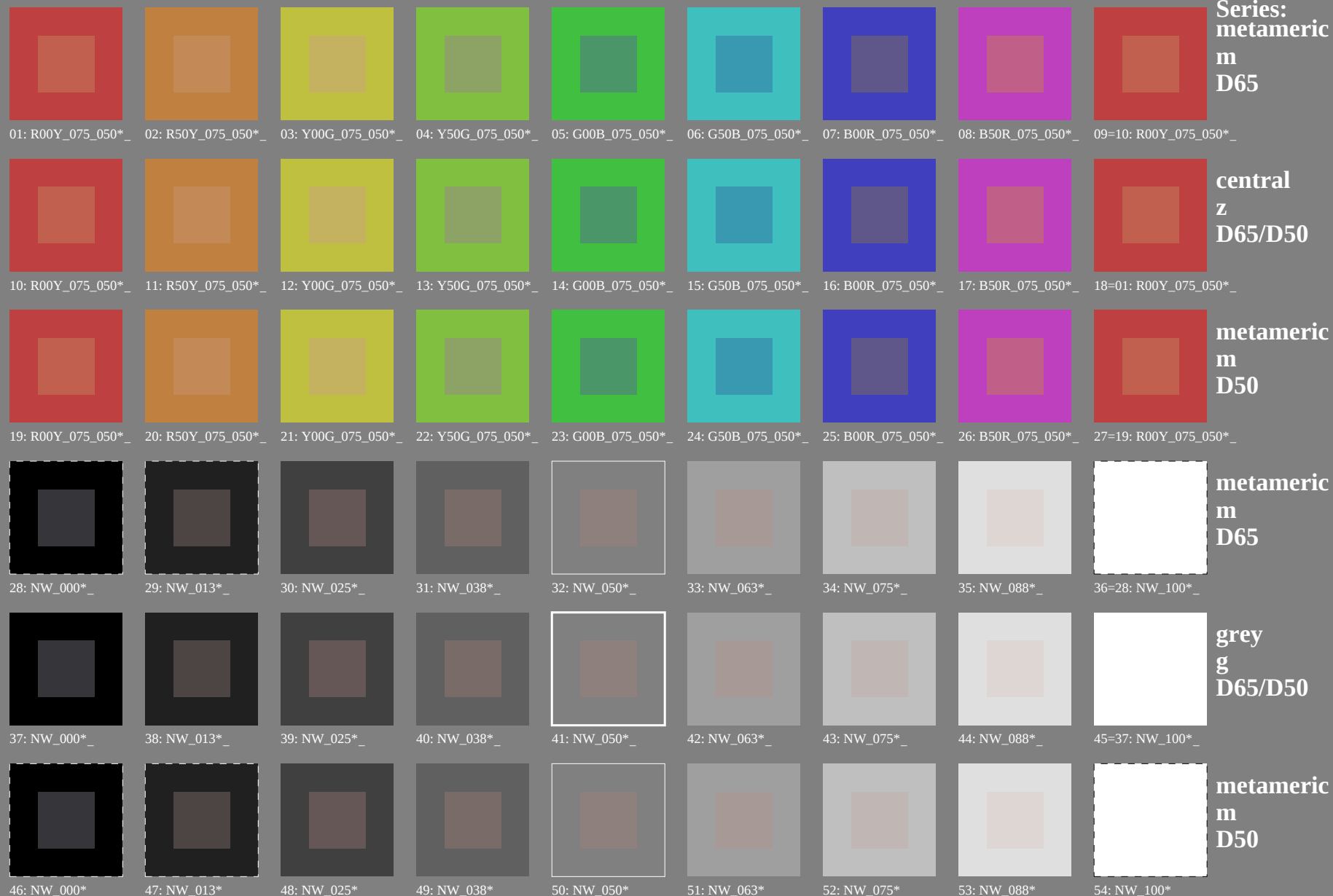


Test chart 2 for color rendering: metameric colours D65 and D50; offset print (CMYK)

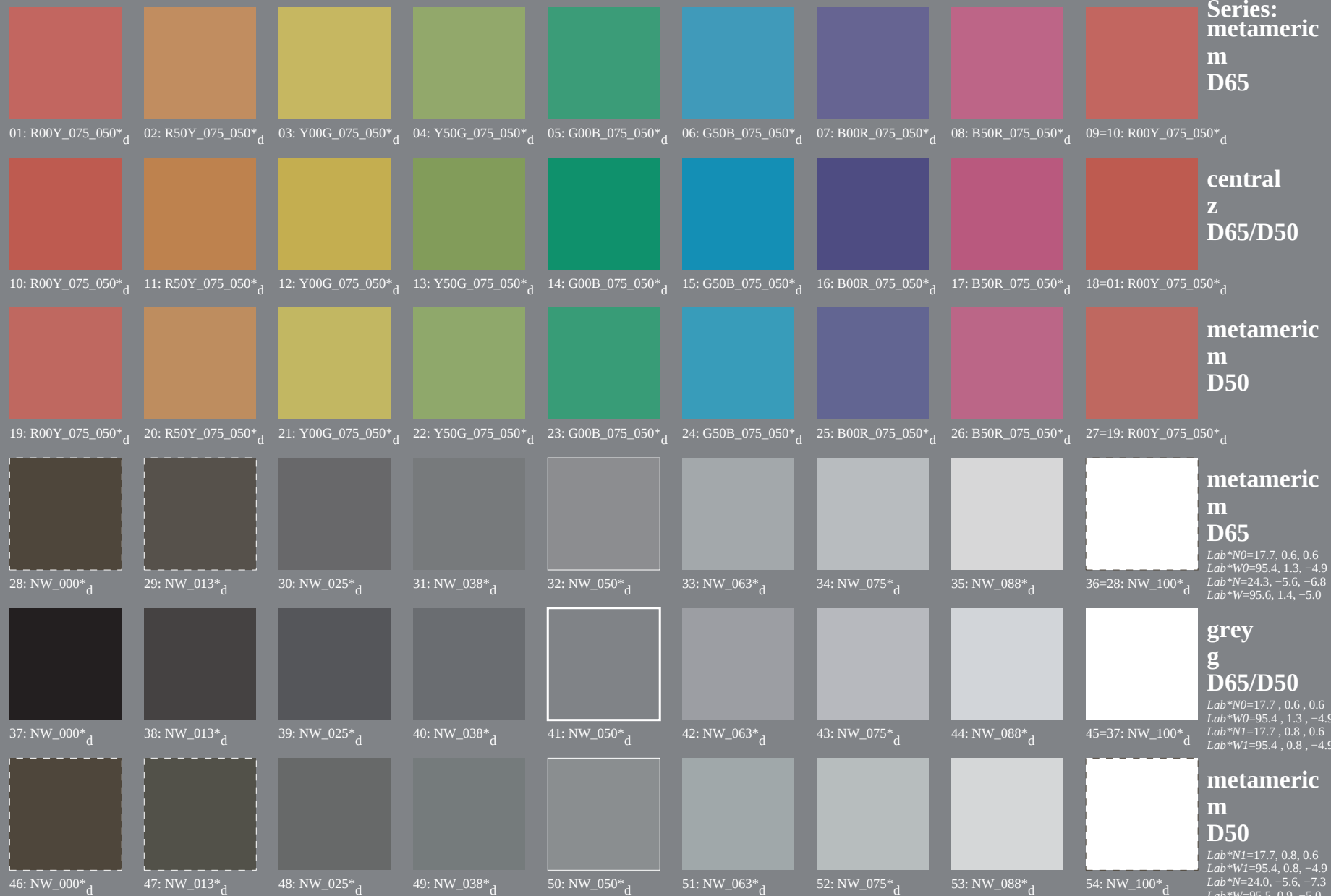


see similar files: <http://130.149.60.45/~farbmetrik/PE24/PE24L0FP.PDF> /.PS; start output  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS  
application for measurement of offset print output

TUB material: code=rha4ta

Test chart 2 for color rendering: metameric colours D65 and D50; offset print (CMYK); *rgb*→*rgb*<sub>dd</sub>



TUB-test chart PE24; colour rendering  
54 colours; metameric for D65&D50, 3D=1, de=0, *cm**y**k*\*

input: *rgb*/*cm**y**k* → *rgb*<sub>dd</sub>  
output: 3D-linearization to *cm**y**k*\*<sub>dd</sub>

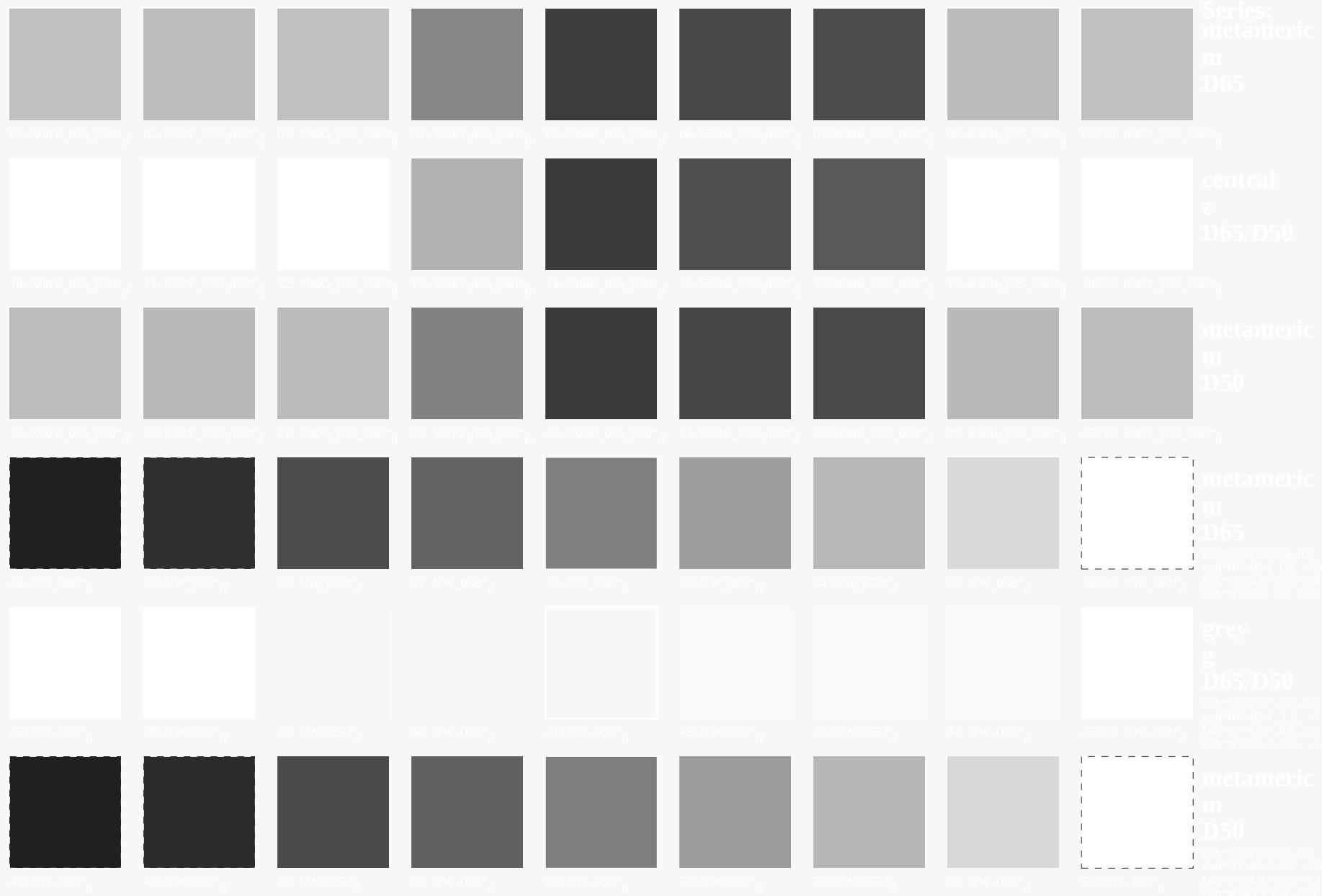
TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS  
application for measurement of offset print output, separation *cm**y**n*6\* (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separation cmyk\* (CMYK)

Test chart 2 for color rendering: metameric colours D65 and D50; offset print (CMYK);  $rgb \rightarrow rgb_{dd}$



TUB-test chart PE24; colour rendering  
54 colours; metameric for D65&D50, 3D=1, de=0,  $cmyk^*$

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmyk^*_{dd}$

see similar files: <http://130.149.60.45/~farbmetrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separation cmyk\* (CMYK)



TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS TUB material: code=rh4ta  
+ application for measurement of offset print output, separation cmyk6\* (CMYK)

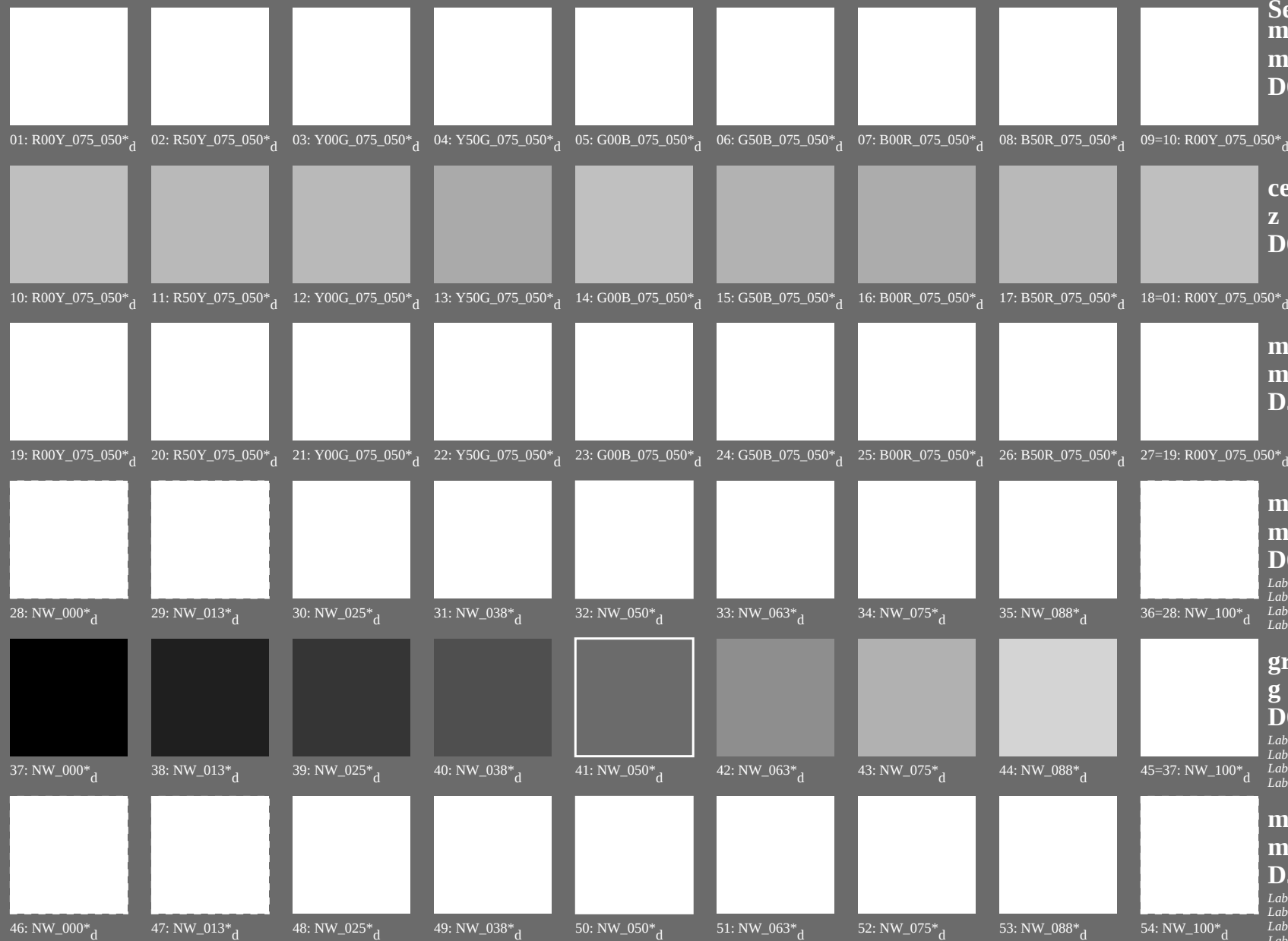
—see similar files: <http://130.149.60.45/~farbmatrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

TUB-test chart PE24; colour rendering  
54 colours; metameric for D65&D50, 3D=1, de=0, *cm*yk\*

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmyk^*_{dd}$



Test chart 2 for color rendering: metameric colours D65 and D50; offset print (CMYK); *rgb*→*rgb*<sub>dd</sub>



Series:  
metameric  
m  
D65

central  
z  
D65/D50

metameric  
m  
D50

metameric  
m  
D65

Lab\*N0=17.7, 0.6, 0.6  
Lab\*W0=95.4, 1.3, -4.9  
Lab\*N=24.3, -5.6, -6.8  
Lab\*W=95.6, 1.4, -5.0

grey  
g  
D65/D50

Lab\*N0=17.7, 0.6, 0.6  
Lab\*W0=95.4, 1.3, -4.9  
Lab\*N1=17.7, 0.8, 0.6  
Lab\*W1=95.4, 0.8, -4.9

metameric  
m  
D50

Lab\*N1=17.7, 0.8, 0.6  
Lab\*W1=95.4, 0.8, -4.9  
Lab\*N=24.0, -5.6, -7.3  
Lab\*W=95.5, 0.9, -5.0

see similar files: <http://130.149.60.45/~farbmetrik/PE24/PE24L0FP.PDF> /.PS; 3D-linearization  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PE24/PE24L0FP.PDF /.PS  
application for measurement of offset print output, separation cmyk6\* (CMYK)  
TUB material: code=rha4ta

TUB-test chart PE24; colour rendering  
54 colours; metameric for D65&D50, 3D=1, de=0, *cmyk*\*

input: *rgb*/*cmyk* → *rgb*<sub>dd</sub>  
output: 3D-linearization to *cmyk*\*<sub>dd</sub>

1-103530-L0 PE240-72

1-103530-F0



TUB material: code=rha4ta  
myn6\* (CMYK)

```
input: rgb/cmyk -> rgbdd
output: 3D-linearization to cmyk*dd
```

TUB-test chart PE24; colour rendering colors and differences,  $\Delta E^*$ , 3D=1,  $\Delta e=0$ ,  $cm/yk^*$

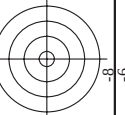
| n/f    | HIC*F <sub>old</sub> | rgb_F <sub>old</sub> | fct_F <sub>old</sub> | hsa_F <sub>old</sub> | rgb*F <sub>old</sub> | LabCh*F <sub>old</sub> | cmym*_sep,F <sub>old</sub> | hsax,F <sub>old</sub> | rgb*F <sub>old</sub> | LabCh*F <sub>old</sub> | delta |
|--------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------------|-----------------------|----------------------|------------------------|-------|
| 0/648  | R00Y_100_100d        | 1.0                  | 0.0                  | 1.0                  | 1.0                  | 0.0                    | 0.0                        | 390                   | 1.0                  | 0.0                    | 0.0   |
| 1/657  | R13Y_100_100d        | 1.0                  | 0.125                | 1.0                  | 0.0                  | 47.3                   | 63.8                       | 41.2                  | 76.0                 | 32.8                   | 0.0   |
| 2/666  | R28Y_100_100d        | 1.0                  | 0.25                 | 1.0                  | 0.116                | 0.0                    | 50.9                       | 55.5                  | 46.4                 | 72.3                   | 39.9  |
| 3/675  | R38Y_100_100d        | 1.0                  | 0.375                | 1.0                  | 0.233                | 0.0                    | 55.3                       | 45.8                  | 52.2                 | 69.5                   | 48.7  |
| 4/684  | R50Y_100_100d        | 1.0                  | 0.5                  | 1.0                  | 0.366                | 0.0                    | 61.0                       | 34.0                  | 59.9                 | 68.9                   | 60.4  |
| 5/693  | R63Y_100_100d        | 1.0                  | 0.625                | 1.0                  | 0.5                  | 0.0                    | 67.2                       | 22.6                  | 67.6                 | 71.2                   | 81.2  |
| 6/702  | R75Y_100_100d        | 1.0                  | 0.75                 | 1.0                  | 0.633                | 0.0                    | 74.0                       | 10.4                  | 76.6                 | 77.3                   | 82.4  |
| 7/711  | R88Y_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.766                | 0.0                    | 79.9                       | 1.0                   | 83.9                 | 83.9                   | 89.2  |
| 8/720  | Y00G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.883                | 0.0                    | 84.5                       | -6.1                  | 89.8                 | 90.0                   | 93.8  |
| 9/729  | Y13G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 1.0                  | 0.0                    | 88.3                       | -11.9                 | 95.1                 | 95.8                   | 97.1  |
| 10/738 | Y26G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.883                | 1.0                    | 86.0                       | -15.9                 | 89.0                 | 90.4                   | 100.1 |
| 11/747 | Y38G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.766                | 1.0                    | 83.3                       | -19.2                 | 83.7                 | 85.9                   | 102.9 |
| 12/756 | Y50G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.633                | 1.0                    | 77.4                       | -24.9                 | 76.8                 | 80.7                   | 107.9 |
| 13/765 | Y63G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.5                  | 1.0                    | 72.7                       | -31.3                 | 66.0                 | 73.1                   | 115.3 |
| 14/774 | Y75G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.366                | 1.0                    | 68.3                       | -37.7                 | 57.4                 | 68.7                   | 123.2 |
| 15/783 | Y88G_100_100d        | 1.0                  | 1.0                  | 0.5                  | 0.116                | 1.0                    | 60.4                       | -48.8                 | 46.7                 | 67.6                   | 136.2 |
| 16/792 | G00C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 0.0                  | 51.9                   | -68.8                      | 28.1                  | 74.3                 | 157.7                  | 157.7 |
| 17/793 | G13C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.0                    | 52.5                       | -66.6                 | 19.9                 | 69.5                   | 163.3 |
| 18/794 | G26C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.233                  | 53.2                       | -62.6                 | 11.0                 | 63.6                   | 170.0 |
| 19/795 | G38C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.366                  | 54.0                       | -57.3                 | -0.4                 | 57.3                   | 180.4 |
| 20/796 | G50C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.5                    | 54.8                       | -51.0                 | -12.3                | 52.5                   | 193.5 |
| 21/797 | G63C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.633                  | 55.8                       | -44.7                 | -22.5                | 50.1                   | 206.7 |
| 22/798 | G75C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.766                  | 56.8                       | -38.4                 | -31.7                | 49.8                   | 219.6 |
| 23/799 | G88C_100_100d        | 0.0                  | 1.0                  | 0.5                  | 1.0                  | 0.883                  | 57.6                       | -34.0                 | -37.7                | 50.8                   | 227.9 |
| 24/800 | C00B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.0                  | 58.3                   | -29.2                      | -43.7                 | 52.6                 | 236.1                  | 236.1 |
| 25/801 | C13B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.883                | 1.0                    | 55.4                       | -25.2                 | 43.9                 | 240.0                  | 240.0 |
| 26/802 | C26B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.766                | 1.0                    | 52.4                       | -20.4                 | 46.1                 | 244.1                  | 244.1 |
| 27/803 | C38B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.633                | 1.0                    | 48.6                       | -14.3                 | 44.4                 | 248.2                  | 248.2 |
| 28/804 | C50B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.5                  | 1.0                    | 42.7                       | -6.0                  | 42.7                 | 252.1                  | 252.1 |
| 29/805 | C63B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.366                | 1.0                    | 37.6                       | 1.8                   | 45.5                 | 256.3                  | 256.3 |
| 30/806 | C75B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.233                | 1.0                    | 32.7                       | 10.5                  | 46.2                 | 260.4                  | 260.4 |
| 31/807 | C88B_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.116                | 1.0                    | 28.3                       | 17.8                  | 47.0                 | 264.5                  | 264.5 |
| 32/808 | B00M_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.0                  | 25.3                   | 23.5                       | -47.3                 | 52.8                 | 296.4                  | 296.4 |
| 33/809 | B13M_100_100d        | 0.0                  | 1.0                  | 1.0                  | 0.116                | 0.0                    | 29.0                       | 31.2                  | -42.9                | 331.9                  | 331.9 |
| 34/810 | B25M_100_100d        | 0.25                 | 0.0                  | 1.0                  | 0.233                | 0.0                    | 31.2                       | 35.6                  | -39.6                | 353.1                  | 353.1 |
| 35/811 | B38M_100_100d        | 0.375                | 0.0                  | 1.0                  | 0.366                | 0.0                    | 33.6                       | 46.9                  | -31.8                | 367.3                  | 367.3 |
| 36/812 | B50M_100_100d        | 0.5                  | 0.0                  | 1.0                  | 0.5                  | 0.0                    | 37.8                       | 53.8                  | -26.3                | 393.9                  | 393.9 |
| 37/813 | B63M_100_100d        | 0.625                | 0.0                  | 1.0                  | 0.633                | 0.0                    | 41.1                       | 59.3                  | -21.4                | 420.0                  | 420.0 |
| 38/814 | B75M_100_100d        | 0.75                 | 0.0                  | 1.0                  | 0.766                | 0.0                    | 43.5                       | 66.4                  | -14.5                | 446.6                  | 446.6 |
| 39/815 | B88M_100_100d        | 0.875                | 0.0                  | 1.0                  | 0.883                | 0.0                    | 46.1                       | 69.7                  | -11.7                | 473.3                  | 473.3 |
| 40/816 | M00R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 1.0                  | 0.0                    | 48.2                       | 72.8                  | -8.5                 | 500.0                  | 500.0 |
| 41/817 | M13R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.883                | 0.0                    | 48.2                       | 72.8                  | -8.5                 | 500.0                  | 500.0 |
| 42/818 | M25R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.766                | 0.0                    | 48.2                       | 72.8                  | -8.5                 | 500.0                  | 500.0 |
| 43/819 | M38R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.633                | 0.0                    | 48.2                       | 72.8                  | -8.5                 | 500.0                  | 500.0 |
| 44/820 | M50R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.5                  | 0.0                    | 47.7                       | 67.7                  | 14.0                 | 511.6                  | 511.6 |
| 45/821 | M63R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.366                | 0.0                    | 47.7                       | 67.7                  | 14.0                 | 511.6                  | 511.6 |
| 46/822 | M75R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.233                | 0.0                    | 47.6                       | 65.0                  | 29.7                 | 541.5                  | 541.5 |
| 47/823 | M88R_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.116                | 0.0                    | 47.4                       | 64.4                  | 35.5                 | 578.9                  | 578.9 |
| 48/824 | R00Y_100_100d        | 1.0                  | 0.0                  | 1.0                  | 0.0                  | 47.3                   | 63.8                       | 41.2                  | 76.0                 | 32.8                   | 0.0   |
| 49/825 | NW_000d              | 0.0                  | 0.0                  | 0.0                  | 0.0                  | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 50/826 | NW_013d              | 0.125                | 0.125                | 0.125                | 0.125                | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 51/827 | NW_025d              | 0.25                 | 0.25                 | 0.25                 | 0.25                 | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 52/828 | NW_0375d             | 0.375                | 0.375                | 0.375                | 0.375                | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 53/829 | NW_050d              | 0.5                  | 0.5                  | 0.5                  | 0.5                  | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 54/830 | NW_063d              | 0.625                | 0.625                | 0.625                | 0.625                | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 55/831 | NW_075d              | 0.75                 | 0.75                 | 0.75                 | 0.75                 | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 56/832 | NW_088d              | 0.875                | 0.875                | 0.875                | 0.875                | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |
| 57/833 | NW_100d              | 1.0                  | 1.0                  | 1.0                  | 1.0                  | 0.0                    | 0.0                        | 0.0                   | 0.0                  | 0.0                    | 0.0   |

| n/f     | HC*Fid         | rgb_Fid | icr_Fid | hsa_Fid | rgb*Fid | LabCH*Fid | cmyk*_sep_Fid | cmyn*_sep_Fid | hsc*_id | rgb*_id | LabCH*_id | delta |
|---------|----------------|---------|---------|---------|---------|-----------|---------------|---------------|---------|---------|-----------|-------|
| 0/648   | R00Y_100_100ad | 1.0     | 0.0     | 0.0     | 0.0     | 57.3      | 63.8          | 41.2          | 76.0    | 32.8    | 0.0       | 0.0   |
| 1/666   | R25Y_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 45.8      | 52.2          | 69.5          | 48.7    | 0.0     | 0.0       | 0.0   |
| 2/684   | R50Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 33.9      | 41.2          | 69.5          | 48.7    | 0.0     | 0.0       | 0.0   |
| 3/702   | R75Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 22.6      | 22.6          | 67.6          | 71.2    | 71.4    | 0.0       | 0.0   |
| 4/720   | Y00C_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 83.9      | 83.9          | 89.2          | 0.0     | 0.0     | 0.0       | 0.0   |
| 5/738   | Y25C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 88.3      | -11.9         | 95.1          | 95.8    | 97.1    | 0.0       | 0.0   |
| 6/756   | Y50C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 83.3      | -19.2         | 83.7          | 85.9    | 102.9   | 0.0       | 0.0   |
| 7/774   | Y75C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 72.7      | -31.3         | 66.0          | 73.1    | 115.3   | 0.0       | 0.0   |
| 8/792   | G00B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 60.4      | -48.8         | 46.7          | 67.6    | 136.2   | 0.0       | 0.0   |
| 9/810   | G25B_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 10/828  | G50B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 11/846  | G75B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 58.3      | -29.2         | 43.7          | 52.6    | 236.1   | 0.0       | 0.0   |
| 12/864  | G90B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 42.7      | -6.0          | 45.4          | 262.3   | 296.4   | 0.0       | 0.0   |
| 13/882  | B00M_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 25.3      | 23.5          | 47.3          | 52.8    | 296.4   | 0.0       | 0.0   |
| 14/900  | B25R_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 37.8      | 53.8          | -26.3         | 59.9    | 333.9   | 0.0       | 0.0   |
| 15/918  | B50R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 48.2      | 72.8          | -8.5          | 73.3    | 353.3   | 0.0       | 0.0   |
| 16/936  | B75R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 47.7      | 67.7          | 14.0          | 69.1    | 11.6    | 0.0       | 0.0   |
| 17/954  | R00Y_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 47.3      | 63.8          | 41.2          | 76.0    | 32.8    | 0.0       | 0.0   |
| 18/972  | R25Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 19/990  | R50Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 20/1008 | R75Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 58.3      | -29.2         | 43.7          | 52.6    | 236.1   | 0.0       | 0.0   |
| 21/1026 | Y00C_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 83.9      | 83.9          | 89.2          | 0.0     | 0.0     | 0.0       | 0.0   |
| 22/1044 | Y25C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 83.3      | -19.2         | 83.7          | 85.9    | 102.9   | 0.0       | 0.0   |
| 23/1062 | Y50C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 72.7      | -31.3         | 66.0          | 73.1    | 115.3   | 0.0       | 0.0   |
| 24/1080 | Y75C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 60.4      | -48.8         | 46.7          | 67.6    | 136.2   | 0.0       | 0.0   |
| 25/1098 | G00B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 26/1116 | G25B_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 27/1134 | G50B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 28/1152 | G75B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 58.3      | -29.2         | 43.7          | 52.6    | 236.1   | 0.0       | 0.0   |
| 29/1170 | G90B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 42.7      | -6.0          | 45.4          | 262.3   | 296.4   | 0.0       | 0.0   |
| 30/1188 | B00M_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 37.8      | 53.8          | -26.3         | 59.9    | 333.9   | 0.0       | 0.0   |
| 31/1206 | B25R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 48.2      | 72.8          | -8.5          | 73.3    | 353.3   | 0.0       | 0.0   |
| 32/1224 | B50R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 47.7      | 67.7          | 14.0          | 69.1    | 11.6    | 0.0       | 0.0   |
| 33/1242 | B75R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 47.3      | 63.8          | 41.2          | 76.0    | 32.8    | 0.0       | 0.0   |
| 34/1260 | R00Y_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 35/1278 | R25Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 36/1296 | R50Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 37/1314 | R75Y_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 58.3      | -29.2         | 43.7          | 52.6    | 236.1   | 0.0       | 0.0   |
| 38/1332 | Y00C_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 83.9      | 83.9          | 89.2          | 0.0     | 0.0     | 0.0       | 0.0   |
| 39/1350 | Y25C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 83.3      | -19.2         | 83.7          | 85.9    | 102.9   | 0.0       | 0.0   |
| 40/1368 | Y50C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 72.7      | -31.3         | 66.0          | 73.1    | 115.3   | 0.0       | 0.0   |
| 41/1386 | Y75C_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 60.4      | -48.8         | 46.7          | 67.6    | 136.2   | 0.0       | 0.0   |
| 42/1404 | G00B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 43/1422 | G25B_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 44/1440 | G50B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 51.9      | -68.8         | 28.1          | 74.3    | 157.7   | 0.0       | 0.0   |
| 45/1458 | G75B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 58.3      | -29.2         | 43.7          | 52.6    | 236.1   | 0.0       | 0.0   |
| 46/1476 | G90B_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 42.7      | -6.0          | 45.4          | 262.3   | 296.4   | 0.0       | 0.0   |
| 47/1494 | B00M_100_100ad | 0.0     | 0.5     | 0.5     | 0.5     | 37.8      | 53.8          | -26.3         | 59.9    | 333.9   | 0.0       | 0.0   |
| 48/1512 | B25R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 48.2      | 72.8          | -8.5          | 73.3    | 353.3   | 0.0       | 0.0   |
| 49/1530 | B50R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 47.7      | 67.7          | 14.0          | 69.1    | 11.6    | 0.0       | 0.0   |
| 50/1548 | B75R_100_100ad | 0.0     | 1.0     | 1.0     | 1.0     | 47.3      | 63.8          | 41.2          | 76.0    | 32.8    | 0.0       | 0.0   |









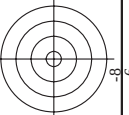
TUB material: code=rha4ta

input: *rgb/cmyk*  $\rightarrow$  *rgb*<sub>dd</sub>  
output: 3D-linearization to *cmyk*\*<sub>dd</sub>

TUB-test chart PE24; colour rendering colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmyk\*

see similar files: <http://130.149.60.45/~farbmatrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

| <i>n</i> | <i>HIC<sup>Full</sup></i> | <i>rgb<sup>Full</sup></i> | <i>lcr<sup>Full</sup></i> | <i>h<sub>3</sub><sup>Full</sup></i> | <i>rgb<sup>Mid</sup></i> | <i>LabCH<sup>Full</sup></i> | <i>cmym<sup>sep</sup>Full</i> | <i>h<sub>3</sub>Mid</i> | <i>rgb<sup>Mid</sup></i> | <i>LabCH<sup>Mid</sup></i> | <i>delta</i> |
|----------|---------------------------|---------------------------|---------------------------|-------------------------------------|--------------------------|-----------------------------|-------------------------------|-------------------------|--------------------------|----------------------------|--------------|
| 243      | R00Y_037_037Mid           | 0.375                     | 0.0                       | 0.375                               | 0.0                      | 28.8                        | 23.9                          | 389                     | 1.0                      | 0.0                        | 0.66         |
| 244      | R18Y_037_037Mid           | 0.375                     | 0.187                     | 371                                 | 0.375                    | 0.118                       | 28.9                          | 371                     | 1.0                      | 0.0                        | 0.771        |
| 245      | R18Y_037_037Mid           | 0.125                     | 0.375                     | 0.187                               | 0.375                    | 0.0                         | 24.6                          | 371                     | 1.0                      | 0.0                        | 0.767        |
| 246      | B65R_037_037Mid           | 0.375                     | 0.0                       | 349                                 | 0.375                    | 0.256                       | 29.1                          | 349                     | 1.0                      | 0.0                        | 0.683        |
| 247      | B65R_037_037Mid           | 0.375                     | 0.0                       | 349                                 | 0.375                    | 0.0                         | 26.1                          | 349                     | 1.0                      | 0.0                        | 0.683        |
| 248      | B38R_050_050Mid           | 0.375                     | 0.0                       | 316                                 | 0.375                    | 0.0                         | 27.3                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 249      | B38R_050_050Mid           | 0.05                      | 0.5                       | 0.5                                 | 0.375                    | 0.291                       | 33.2                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 250      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 251      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 252      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 253      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 254      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 255      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 256      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 257      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 258      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 259      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 260      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 261      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 262      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 263      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 264      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 265      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 266      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 267      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 268      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 269      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 270      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 271      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 272      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 273      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 274      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         | 30.6                          | 316                     | 1.0                      | 0.0                        | 0.683        |
| 275      | B38R_050_050Mid           | 0.625                     | 0.625                     | 0.312                               | 0.385                    | 0.0                         |                               |                         |                          |                            |              |



TUB material: code=rha4ta  
myn6\* (CMYK)

input: *rgb/cmyk*  $\rightarrow$  *rgbad*  
output: 3D-linearization to *cmyk\**  $\rightarrow$  *rgbad*

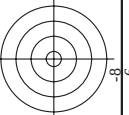
1-1031230-F0

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TUB-test chart PE24; colour rendering colors and differences,  $\Delta E^*$ , 3D=1, de=0,  $cmyk^*$

input:  $rgb/cmyk \rightarrow rgb_{dd}$   
output: 3D-linearization to  $cmyk^*_{dd}$





TUB material: code=rha4ta  
nyn6\* (CMYK)

input: *rgb/cmyk*  $\rightarrow$  *rgbd*  
output: 3D-linearization to *cmyk*<sup>\*dd</sup>

[illegible]

see similar files: <http://130.149.60.45/~farbmatrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

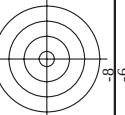
input: *rgb/cmyk* → *rgb<sub>dd</sub>*  
output: 3D-linearization to *cmyk<sub>dd</sub>*

TUB-test chart PE24; colour rendering colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmyk\*

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1-1031430-F0

| <i>n</i> | HIC* <i>Fold</i> | <i>rgb<sub>Fold</sub></i> | <i>lcr<sub>Fold</sub></i> | <i>h<sub>2</sub><sub>Fold</sub></i> | <i>rgb<sup>+</sup><sub>Fold</sub></i> | <i>LabCh<sup>+</sup><sub>Fold</sub></i> | <i>cmv<sup>+</sup><sub>sep<sub>Fold</sub></sub></i> | <i>h<sub>2</sub><sub>Mid</sub></i> | <i>rgb<sup>+</sup><sub>Mid</sub></i> | <i>LabCh<sup>+</sup><sub>Mid</sub></i> | <i>delta</i> |     |       |       |       |       |      |       |       |       |       |
|----------|------------------|---------------------------|---------------------------|-------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------|------------------------------------|--------------------------------------|----------------------------------------|--------------|-----|-------|-------|-------|-------|------|-------|-------|-------|-------|
| 486      | R00Y_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 390                                     | 0.0                                                 | 0.934                              | 0.912                                | 0.285                                  | 389          | 1.0 | 0.0   | 0.0   | 47.3  | 63.8  | 41.2 | 76.0  | 32.8  |       |       |
| 487      | R35Y_075_075ad   | 0.75                      | 0.0                       | 0.125                               | 0.75                                  | 381                                     | 0.0                                                 | 0.934                              | 0.711                                | 0.286                                  | 382          | 1.0 | 0.0   | 0.15  | 47.5  | 64.6  | 33.9 | 72.9  | 27.6  |       |       |
| 488      | R18Y_075_075ad   | 0.75                      | 0.0                       | 0.125                               | 0.75                                  | 381                                     | 0.0                                                 | 0.931                              | 0.636                                | 0.289                                  | 371          | 1.0 | 0.0   | 0.316 | 47.7  | 65.7  | 25.1 | 70.4  | 20.9  |       |       |
| 489      | R18Y_075_075ad   | 0.75                      | 0.0                       | 0.375                               | 0.75                                  | 360                                     | 0.0                                                 | 0.933                              | 0.483                                | 0.291                                  | 360          | 1.0 | 0.0   | 0.5   | 47.7  | 67.7  | 14.0 | 69.1  | 11.6  |       |       |
| 490      | R65R_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 349                                     | 0.0                                                 | 0.928                              | 0.327                                | 0.291                                  | 348          | 1.0 | 0.0   | 0.0   | 0.683 | 48.1  | 69.7 | 4.0   | 69.8  | 3.2   |       |
| 491      | B57R_075_075ad   | 0.75                      | 0.0                       | 0.625                               | 0.75                                  | 339                                     | 0.0                                                 | 0.935                              | 0.189                                | 0.294                                  | 337          | 1.0 | 0.0   | 0.0   | 0.885 | 48.2  | 71.4 | -3.3  | 71.5  | 357.2 |       |
| 492      | B50R_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 330                                     | 0.0                                                 | 0.929                              | 0.074                                | 0.301                                  | 330          | 1.0 | 0.0   | 1.0   | 48.2  | 72.8  | -8.5 | 73.3  | 353.3 |       |       |
| 493      | B43R_087_087ad   | 0.75                      | 0.0                       | 0.875                               | 0.758                                 | 322                                     | 0.0                                                 | 0.959                              | 0.0                                  | 0.184                                  | 322          | 1.0 | 0.0   | 0.866 | 0.0   | 1.0   | 45.7 | 69.2  | -12.1 | 70.3  | 350.0 |
| 494      | B38R_100_100ad   | 0.75                      | 0.0                       | 1.0                                 | 0.766                                 | 0.0                                     | 0.234                                               | 0.999                              | 0.0                                  | 0.0                                    | 317          | 1.0 | 0.0   | 0.766 | 0.0   | 1.0   | 52.1 | 52.8  | 48.1  | 71.5  | 42.3  |
| 495      | R15Y_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 39                                      | 0.0                                                 | 0.81                               | 0.936                                | 0.285                                  | 37           | 1.0 | 0.15  | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 496      | R00Y_075_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.792                              | 0.701                                | 0.257                                  | 389          | 1.0 | 0.0   | 0.0   | 0.183 | 47.3  | 63.8 | 41.2  | 76.0  | 32.8  |       |
| 497      | R31Y_075_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.793                              | 0.398                                | 0.26                                   | 380          | 1.0 | 0.0   | 0.0   | 0.183 | 47.3  | 64.8 | 32.2  | 72.4  | 26.4  |       |
| 498      | R11Y_075_062ad   | 0.75                      | 0.1375                    | 0.75                                | 0.75                                  | 367                                     | 0.0                                                 | 0.797                              | 0.483                                | 0.264                                  | 367          | 1.0 | 0.0   | 0.0   | 0.383 | 47.7  | 66.3 | 21.3  | 69.6  | 17.8  |       |
| 499      | B69R_075_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.797                              | 0.331                                | 0.268                                  | 352          | 1.0 | 0.0   | 0.0   | 0.616 | 48.0  | 66.8 | 7.5   | 69.2  | 6.2   |       |
| 500      | B59R_075_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.8                                | 0.084                                | 0.271                                  | 339          | 1.0 | 0.0   | 0.0   | 0.816 | 48.2  | 71.1 | -2.1  | 71.1  | 358.3 |       |
| 501      | B20R_087_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.802                              | 0.177                                | 0.275                                  | 338          | 1.0 | 0.0   | 0.0   | 0.816 | 48.2  | 71.1 | -2.1  | 71.1  | 358.3 |       |
| 502      | B20R_087_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.802                              | 0.177                                | 0.275                                  | 338          | 1.0 | 0.0   | 0.0   | 0.816 | 48.2  | 71.1 | -2.1  | 71.1  | 358.3 |       |
| 503      | B36R_100_087ad   | 0.75                      | 0.125                     | 0.875                               | 0.766                                 | 314                                     | 0.0                                                 | 0.873                              | 0.089                                | 0.285                                  | 314          | 1.0 | 0.0   | 0.0   | 0.816 | 48.2  | 71.1 | -2.1  | 71.1  | 358.3 |       |
| 504      | R31Y_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 49                                      | 0.0                                                 | 0.196                              | 0.931                                | 0.0                                    | 48           | 1.0 | 0.316 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 505      | R18Y_075_062ad   | 0.75                      | 0.125                     | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.667                              | 0.941                                | 0.291                                  | 315          | 1.0 | 0.0   | 0.0   | 0.316 | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 506      | R00Y_075_050ad   | 0.75                      | 0.25                      | 0.75                                | 0.5                                   | 390                                     | 0.0                                                 | 0.683                              | 0.753                                | 0.27                                   | 389          | 1.0 | 0.0   | 0.0   | 0.183 | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 507      | R26Y_075_050ad   | 0.75                      | 0.25                      | 0.75                                | 0.5                                   | 376                                     | 0.0                                                 | 0.672                              | 0.561                                | 0.252                                  | 377          | 1.0 | 0.0   | 0.0   | 0.233 | 47.3  | 63.8 | 41.2  | 76.0  | 32.8  |       |
| 508      | R00Y_075_050ad   | 0.75                      | 0.25                      | 0.75                                | 0.5                                   | 360                                     | 0.0                                                 | 0.671                              | 0.465                                | 0.256                                  | 360          | 1.0 | 0.0   | 0.0   | 0.233 | 47.3  | 65.0 | 29.7  | 71.5  | 24.5  |       |
| 509      | B61R_075_050ad   | 0.75                      | 0.25                      | 0.75                                | 0.5                                   | 344                                     | 0.0                                                 | 0.671                              | 0.33                                 | 0.264                                  | 340          | 1.0 | 0.0   | 0.0   | 0.0   | 0.5   | 47.7 | 67.7  | 14.0  | 69.1  | 11.6  |
| 510      | B50R_075_050ad   | 0.75                      | 0.25                      | 0.75                                | 0.5                                   | 330                                     | 0.0                                                 | 0.678                              | 0.185                                | 0.274                                  | 330          | 1.0 | 0.0   | 0.0   | 0.766 | 48.1  | 70.6 | -8.2  | 70.6  | 359.8 |       |
| 511      | B40R_087_062ad   | 0.75                      | 0.25                      | 0.875                               | 0.76                                  | 319                                     | 0.0                                                 | 0.762                              | 0.084                                | 0.274                                  | 320          | 1.0 | 0.0   | 0.0   | 0.0   | 0.416 | 67.8 | -13.3 | 69.1  | 348.8 |       |
| 512      | B34R_100_075ad   | 0.75                      | 0.1                       | 0.75                                | 0.625                                 | 311                                     | 0.0                                                 | 0.714                              | 0.0                                  | 0.196                                  | 320          | 1.0 | 0.0   | 0.0   | 0.0   | 0.416 | 67.8 | -13.3 | 69.1  | 348.8 |       |
| 513      | R30Y_075_075ad   | 0.75                      | 0.375                     | 0.75                                | 0.75                                  | 60                                      | 0.0                                                 | 0.514                              | 0.94                                 | 0.293                                  | 59           | 1.0 | 0.0   | 0.0   | 0.672 | 22.6  | 67.6 | 71.2  | 71.4  | 61.8  |       |
| 514      | R35Y_075_062ad   | 0.75                      | 0.375                     | 0.125                               | 0.75                                  | 60                                      | 0.0                                                 | 0.514                              | 0.94                                 | 0.293                                  | 59           | 1.0 | 0.0   | 0.0   | 0.672 | 22.6  | 67.6 | 71.2  | 71.4  | 61.8  |       |
| 515      | R23Y_075_050ad   | 0.75                      | 0.375                     | 0.25                                | 0.75                                  | 55                                      | 0.0                                                 | 0.556                              | 0.436                                | 0.263                                  | 52           | 1.0 | 0.0   | 0.0   | 0.233 | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 516      | R00Y_075_037ad   | 0.75                      | 0.375                     | 0.75                                | 0.75                                  | 390                                     | 0.0                                                 | 0.546                              | 0.63                                 | 0.25                                   | 389          | 1.0 | 0.0   | 0.0   | 0.473 | 63.8  | 41.2 | 76.0  | 32.8  | 48.7  |       |
| 517      | R18Y_075_037ad   | 0.75                      | 0.375                     | 0.75                                | 0.75                                  | 349                                     | 0.0                                                 | 0.543                              | 0.331                                | 0.259                                  | 371          | 1.0 | 0.0   | 0.0   | 0.316 | 47.7  | 65.7 | 25.1  | 70.4  | 20.9  |       |
| 518      | B65R_075_037ad   | 0.75                      | 0.375                     | 0.625                               | 0.75                                  | 349                                     | 0.0                                                 | 0.546                              | 0.184                                | 0.269                                  | 348          | 1.0 | 0.0   | 0.0   | 0.683 | 48.1  | 69.7 | 4.0   | 69.8  | 3.2   |       |
| 519      | B50R_075_037ad   | 0.75                      | 0.375                     | 0.75                                | 0.75                                  | 330                                     | 0.0                                                 | 0.546                              | 0.078                                | 0.273                                  | 330          | 1.0 | 0.0   | 0.0   | 0.473 | 63.8  | 41.2 | 76.0  | 32.8  | 48.7  |       |
| 520      | B38R_087_050ad   | 0.75                      | 0.375                     | 0.875                               | 0.758                                 | 316                                     | 0.0                                                 | 0.594                              | 0.0                                  | 0.199                                  | 317          | 1.0 | 0.0   | 0.0   | 0.766 | 0.0   | 1.0  | 40.5  | 68.0  | 347.6 |       |
| 521      | B30R_100_062ad   | 0.75                      | 0.375                     | 1.0                                 | 0.766                                 | 307                                     | 0.0                                                 | 0.633                              | 0.0                                  | 0.291                                  | 307          | 1.0 | 0.0   | 0.0   | 0.683 | 0.0   | 1.0  | 40.5  | 68.0  | 347.6 |       |
| 522      | R68Y_075_075ad   | 0.75                      | 0.0                       | 0.75                                | 0.75                                  | 71                                      | 0.0                                                 | 0.345                              | 0.94                                 | 0.291                                  | 71           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 523      | R61Y_075_062ad   | 0.75                      | 0.5                       | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.353                              | 0.822                                | 0.274                                  | 67           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 524      | R00Y_075_050ad   | 0.75                      | 0.5                       | 0.75                                | 0.5                                   | 60                                      | 0.0                                                 | 0.389                              | 0.66                                 | 0.284                                  | 59           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 525      | R31Y_075_037ad   | 0.75                      | 0.5                       | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.417                              | 0.496                                | 0.26                                   | 48           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 526      | R00Y_075_025ad   | 0.75                      | 0.5                       | 0.75                                | 0.625                                 | 390                                     | 0.0                                                 | 0.41                               | 0.305                                | 0.26                                   | 389          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 527      | R00Y_075_025ad   | 0.75                      | 0.5                       | 0.75                                | 0.625                                 | 360                                     | 0.0                                                 | 0.406                              | 0.183                                | 0.272                                  | 360          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 528      | B34R_087_037ad   | 0.75                      | 0.5                       | 0.875                               | 0.756                                 | 311                                     | 0.0                                                 | 0.401                              | 0.06                                 | 0.288                                  | 311          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 529      | B34R_087_037ad   | 0.75                      | 0.5                       | 0.875                               | 0.756                                 | 311                                     | 0.0                                                 | 0.401                              | 0.06                                 | 0.288                                  | 311          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 530      | B34R_087_037ad   | 0.75                      | 0.5                       | 0.875                               | 0.756                                 | 311                                     | 0.0                                                 | 0.401                              | 0.06                                 | 0.288                                  | 311          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 531      | R65Y_075_050ad   | 0.75                      | 0.625                     | 0.75                                | 0.75                                  | 81                                      | 0.0                                                 | 0.193                              | 0.941                                | 0.29                                   | 81           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 532      | R65Y_075_062ad   | 0.75                      | 0.625                     | 0.125                               | 0.75                                  | 81                                      | 0.0                                                 | 0.193                              | 0.941                                | 0.29                                   | 81           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 533      | R65Y_075_062ad   | 0.75                      | 0.625                     | 0.125                               | 0.75                                  | 81                                      | 0.0                                                 | 0.193                              | 0.941                                | 0.29                                   | 81           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 534      | R65Y_075_062ad   | 0.75                      | 0.625                     | 0.125                               | 0.75                                  | 81                                      | 0.0                                                 | 0.193                              | 0.941                                | 0.29                                   | 81           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 535      | R65Y_075_062ad   | 0.75                      | 0.625                     | 0.125                               | 0.75                                  | 81                                      | 0.0                                                 | 0.193                              | 0.941                                | 0.29                                   | 81           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 536      | R00Y_075_012ad   | 0.75                      | 0.625                     | 0.625                               | 0.75                                  | 91                                      | 0.0                                                 | 0.244                              | 0.168                                | 0.283                                  | 389          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 537      | R00Y_075_012ad   | 0.75                      | 0.625                     | 0.75                                | 0.75                                  | 91                                      | 0.0                                                 | 0.244                              | 0.168                                | 0.283                                  | 389          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 538      | B25R_087_025ad   | 0.75                      | 0.625                     | 0.875                               | 0.75                                  | 289                                     | 0.0                                                 | 0.229                              | 0.03                                 | 0.298                                  | 330          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 539      | B15R_100_037ad   | 0.75                      | 0.625                     | 1.0                                 | 0.75                                  | 289                                     | 0.0                                                 | 0.229                              | 0.03                                 | 0.298                                  | 330          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 540      | Y00G_075_075ad   | 0.75                      | 0.75                      | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.395                              | 0.0                                  | 0.187                                  | 288          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 541      | Y00G_075_062ad   | 0.75                      | 0.75                      | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.395                              | 0.0                                  | 0.187                                  | 288          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 542      | Y00G_075_062ad   | 0.75                      | 0.75                      | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.395                              | 0.0                                  | 0.187                                  | 288          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 543      | Y00G_075_037ad   | 0.75                      | 0.75                      | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.395                              | 0.0                                  | 0.187                                  | 288          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 544      | Y00G_075_037ad   | 0.75                      | 0.75                      | 0.75                                | 0.625                                 | 437                                     | 0.0                                                 | 0.395                              | 0.0                                  | 0.187                                  | 288          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 545      | Y00G_075_012ad   | 0.75                      | 0.75                      | 0.625                               | 0.75                                  | 545                                     | 0.0                                                 | 0.051                              | 0.23                                 | 0.293                                  | 89           | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 546      | NW_075ad         | 0.75                      | 0.75                      | 0.75                                | 0.75                                  | 360                                     | 0.0                                                 | 0.018                              | 0.0                                  | 0.009                                  | 0.0          | 1.0 | 0.0   | 0.0   | 0.0   | 0.0   | 0.0  | 0.0   | 0.0   | 0.0   | 0.0   |
| 547      | B00R_087_012ad   | 0.75                      | 0.75                      | 0.875                               | 0.75                                  | 270                                     | 0.0                                                 | 0.141                              | 0.0                                  | 0.188</                                |              |     |       |       |       |       |      |       |       |       |       |



TUB material: code=rha4ta  
nyn6\* (CMYK)

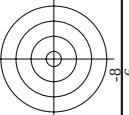
TTUB-test chart PE24; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmyk\*

see similar files: <http://130.149.60.45/~farbmatrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

| n   | HC*Field       | rgb_Field | ic*_Field | hs*_Field | rgb*_Field | LabCh*_Field | cmyn*_sep_Field | hsn*_id | rgb*_id | LabCh*_id | delta |
|-----|----------------|-----------|-----------|-----------|------------|--------------|-----------------|---------|---------|-----------|-------|
| 648 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 649 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 650 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 651 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 652 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 653 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 654 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 655 | B55R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 656 | B50R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 657 | R11Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 658 | R00Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 659 | R38Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 660 | R23Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 661 | R16Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 662 | B68R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 663 | B61R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 664 | B55R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 665 | B50R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 666 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 667 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 668 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 669 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 670 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 671 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 672 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 673 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 674 | B55R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 675 | B50R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 676 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 677 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 678 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 679 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 680 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 681 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 682 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 683 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 684 | B55R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 685 | B50R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 686 | R41Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 687 | R38Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 688 | R23Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 689 | R16Y_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 690 | B68R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 691 | B61R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 692 | B55R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 693 | B50R_100_097ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 694 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 695 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 696 | R16Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 697 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 698 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 699 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 700 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 701 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 702 | R76Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 703 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 704 | R23Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 705 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 706 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 707 | B55R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 708 | R00Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 709 | R38Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 710 | B68R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 711 | B61R_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 712 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 713 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 714 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 715 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 716 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 717 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 718 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 719 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 720 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 721 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 722 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 723 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 724 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 725 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 726 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 727 | R85Y_100_100ad | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |
| 728 | NW_100ad       | 1.0       | 0.0       | 0.0       | 0.0        | 47.3         | 63.8            | 389     | 1.0     | 0.0       | 0.0   |

| n   | HC*Fid         | rgb_Fid | icr_Fid | hsa_Fid | rgb_Mid | LabCh*Fid | cmyk*_sep_Fid | mean | delta |
|-----|----------------|---------|---------|---------|---------|-----------|---------------|------|-------|
| 729 | NW_100ad       | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 730 | G50B_100.012ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 731 | G50B_100.037ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 732 | G50B_100.052ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 733 | G50B_100.059ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 734 | G50B_100.062ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 735 | G50B_100.075ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 736 | G50B_100.087ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 737 | G50B_100.100ad | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 738 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 739 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 740 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 741 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 742 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 743 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 744 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 745 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 746 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 747 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 748 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 749 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 750 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 751 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 752 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 753 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 754 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 755 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 756 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 757 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 758 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 759 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 760 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 761 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 762 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 763 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 764 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 765 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 766 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 767 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 768 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 769 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 770 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 771 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 772 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 773 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 774 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 775 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 776 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 777 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 778 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 779 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 780 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 781 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 782 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 783 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 784 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 785 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 786 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 787 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 788 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 789 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 790 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 791 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 792 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 793 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 794 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 795 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 796 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 797 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 798 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 799 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 800 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 801 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 802 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 803 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 804 | ROY_100.052ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 805 | ROY_100.059ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 806 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 807 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 808 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |
| 809 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 0.875   | 1.0       | 0.0           | 0.0  | 0.0   |





TUB material: code=rha4ta  
nyn6\* (CMYK)

input: *rgb/cmyk*  $\rightarrow$  *rgb<sub>dd</sub>*  
 output: 3D-linearization to *cmyk<sub>dd</sub>*

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| Zn  | HIC*Fdd   | rgb_Fdd | tcr_Fdd | hsa_Fdd | rgb*Fdd | LabCh*Fdd | Mean color difference of this page |         |         |           |              |         |         |           |              |         | delta |         |           |
|-----|-----------|---------|---------|---------|---------|-----------|------------------------------------|---------|---------|-----------|--------------|---------|---------|-----------|--------------|---------|-------|---------|-----------|
|     |           |         |         |         |         |           | cmym*sep_Fdd                       | rgb*Fdd | hsa_Fdd | LabCh*Fdd | cmym*sep_Fdd | rgb*Fdd | hsa_Fdd | LabCh*Fdd | cmym*sep_Fdd | rgb*Fdd |       | hsa_Fdd | LabCh*Fdd |
| 891 | B50R_100d | 1.0     | 1.0     | 1.0     | 1.0     | 1.0       | 95.4                               | 0.0     | 0.0     | 0.0       | 0.0          | 0.0     | 0.0     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 892 | B50R_100d | 1.0     | 0.875   | 1.0     | 0.875   | 1.0       | 88.5                               | 9.1     | -1.0    | 9.1       | 353.3        | 0.0     | 0.161   | 0.007     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 893 | B50R_100d | 1.0     | 0.75    | 1.0     | 0.75    | 1.0       | 83.6                               | 18.2    | -3.1    | 18.3      | 353.3        | 0.0     | 0.3     | 0.007     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 894 | B50R_100d | 1.0     | 0.625   | 1.0     | 0.625   | 1.0       | 77.7                               | 27.3    | -3.2    | 27.5      | 353.3        | 0.0     | 0.426   | 0.008     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 895 | B50R_100d | 1.0     | 0.5     | 1.0     | 0.5     | 1.0       | 71.8                               | 36.4    | -4.2    | 36.6      | 353.3        | 0.0     | 0.538   | 0.009     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 896 | B50R_100d | 1.0     | 0.375   | 1.0     | 0.375   | 1.0       | 65.9                               | 45.5    | -5.3    | 45.8      | 353.3        | 0.0     | 0.663   | 0.008     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 897 | B50R_100d | 1.0     | 0.25    | 1.0     | 0.25    | 1.0       | 60.0                               | 54.6    | -6.4    | 55.0      | 353.3        | 0.0     | 0.777   | 0.011     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 898 | B50R_100d | 1.0     | 0.125   | 1.0     | 0.125   | 1.0       | 54.1                               | 63.7    | -7.4    | 64.1      | 353.3        | 0.0     | 0.885   | 0.016     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 899 | B50R_100d | 1.0     | 0.0     | 1.0     | 0.0     | 1.0       | 48.2                               | 72.8    | -8.5    | 73.3      | 353.3        | 0.0     | 1.0     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 900 | B50R_100d | 1.0     | 0.125   | 0.937   | 1.0     | 0.875     | 90.0                               | -8.6    | 3.5     | 9.2       | 157.7        | 0.0     | 0.0     | 0.139     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 901 | B50R_100d | 1.0     | 0.25    | 0.875   | 1.0     | 0.875     | 85.7                               | 0.0     | 0.0     | 0.0       | 0.0          | 0.0     | 0.0     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     |           |
| 902 | B50R_100d | 1.0     | 0.375   | 0.875   | 1.0     | 0.875     | 79.8                               | 9.1     | -1.0    | 9.1       | 353.3        | 0.0     | 0.198   | 0.021     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 903 | B50R_100d | 1.0     | 0.5     | 0.875   | 1.0     | 0.875     | 73.9                               | 18.2    | -2.1    | 18.3      | 353.3        | 0.0     | 0.373   | 0.046     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 904 | B50R_100d | 1.0     | 0.625   | 0.875   | 1.0     | 0.875     | 68.0                               | 27.3    | -3.2    | 27.5      | 353.3        | 0.0     | 0.509   | 0.068     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 905 | B50R_100d | 1.0     | 0.75    | 0.875   | 1.0     | 0.875     | 62.1                               | 36.4    | -4.2    | 36.6      | 353.3        | 0.0     | 0.624   | 0.077     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 906 | B50R_100d | 1.0     | 0.875   | 0.875   | 1.0     | 0.875     | 56.2                               | 45.5    | -5.3    | 45.8      | 353.3        | 0.0     | 0.733   | 0.086     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 907 | B50R_100d | 1.0     | 1.0     | 0.875   | 1.0     | 0.875     | 50.3                               | 54.6    | -6.4    | 55.0      | 353.3        | 0.0     | 0.842   | 0.106     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 908 | B50R_100d | 1.0     | 0.125   | 0.875   | 1.0     | 0.875     | 44.4                               | 63.7    | -7.4    | 64.1      | 353.3        | 0.0     | 0.946   | 0.126     | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 909 | B50R_100d | 1.0     | 0.25    | 0.875   | 1.0     | 0.875     | 38.5                               | 72.8    | -8.5    | 73.3      | 353.3        | 0.0     | 1.0     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 910 | B50R_100d | 1.0     | 0.375   | 0.875   | 1.0     | 0.875     | 32.6                               | 81.9    | -9.6    | 82.4      | 353.3        | 0.0     | 1.1     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 911 | B50R_100d | 1.0     | 0.5     | 0.875   | 1.0     | 0.875     | 26.7                               | 91.0    | -10.7   | 91.5      | 353.3        | 0.0     | 1.2     | 0.0       | 0.0          | 0.0     | 0.0   | 0.0     | 0.0       |
| 912 | B50R_100d | 1.0     | 0.625   | 0.875   | 1.0     | 0.875     | 20.8                               | 100.1   |         |           |              |         |         |           |              |         |       |         |           |

| n    | HC*Field | rgb*Field | lch*Field | hsa*Field | rgb*Field | LabCh*Field | cmyk*sep-Field | hsa*id | rgb*Field | LabCh*Field |
|------|----------|-----------|-----------|-----------|-----------|-------------|----------------|--------|-----------|-------------|
| 972  | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 973  | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 974  | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 975  | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 976  | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 977  | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 978  | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 979  | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 980  | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 981  | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 982  | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 983  | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 984  | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 985  | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 986  | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 987  | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 988  | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 989  | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 990  | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 991  | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 992  | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 993  | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 994  | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 995  | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 996  | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 997  | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 998  | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 999  | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1000 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1001 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1002 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1003 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1004 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1005 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1006 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1007 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 1008 | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1009 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1010 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1011 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1012 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1013 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1014 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1015 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1016 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 1017 | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1018 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1019 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1020 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1021 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1022 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1023 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1024 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1025 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 1026 | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1027 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1028 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1029 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1030 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1031 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1032 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1033 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1034 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 1035 | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1036 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1037 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1038 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1039 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1040 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1041 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1042 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1043 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |
| 1044 | NW 000ad | 0.0       | 0.0       | 0.0       | 0.0       | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1045 | NW 012ad | 0.125     | 0.125     | 0.125     | 0.125     | 17.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1046 | NW 025ad | 0.25      | 0.25      | 0.25      | 0.25      | 37.1        | 0.0            | 360    | 1.0       | 1.0         |
| 1047 | NW 037ad | 0.375     | 0.375     | 0.375     | 0.375     | 46.8        | 0.0            | 360    | 1.0       | 1.0         |
| 1048 | NW 050ad | 0.5       | 0.5       | 0.5       | 0.5       | 56.5        | 0.0            | 360    | 1.0       | 1.0         |
| 1049 | NW 062ad | 0.625     | 0.625     | 0.625     | 0.625     | 66.3        | 0.0            | 360    | 1.0       | 1.0         |
| 1050 | NW 075ad | 0.75      | 0.75      | 0.75      | 0.75      | 76.0        | 0.0            | 360    | 1.0       | 1.0         |
| 1051 | NW 087ad | 0.875     | 0.875     | 0.875     | 0.875     | 85.7        | 0.0            | 360    | 1.0       | 1.0         |
| 1052 | NW 100ad | 1.0       | 1.0       | 1.0       | 1.0       | 95.4        | 0.0            | 360    | 1.0       | 1.0         |

Mean color difference of this page:

delta

0.007

0.005

0.26

TUB registration: 20130201-PE24/PE24LOFP.PDF /.PS  
application for measurement of offset print output, separation cmyn6\* (CMYK)

TUB material: code=rha4ta

see similar files: <http://130.149.60.45/~farbmetrik/PE24/PE24.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmetrik/PE24/PE24LOFP.PDF /.PS; 3D-linearization>  
F: 3D-linearization PE24/PE24LE30FP.DAT in file (F), page 22/22

| n    | HC*Fid   | rgb*Fid           | lct*Fid           | hsa*Fid           | rgb*Fid           | LabCH*Fid    | cmyn*sep*Fid       | hax*id | rgb*idd     | LabCH*idd    | delta |
|------|----------|-------------------|-------------------|-------------------|-------------------|--------------|--------------------|--------|-------------|--------------|-------|
| 1053 | NW_086ad | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 85.0 0.0 0.0 | 0.024 0.007 0.000  | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1054 | NW_093ad | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 90.2 0.0 0.0 | 0.002 0.005 0.000  | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1055 | NW_100ad | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 95.4 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1056 | NW_006ad | 0.066 0.066 0.066 | 0.066 0.066 0.066 | 0.066 0.066 0.066 | 0.066 0.066 0.066 | 22.8 0.0 0.0 | 0.139 0.022 0.000  | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1057 | NW_013ad | 0.133 0.133 0.133 | 0.133 0.133 0.133 | 0.133 0.133 0.133 | 0.133 0.133 0.133 | 28.0 0.0 0.0 | 0.0 0.043 0.048    | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1058 | NW_020ad | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 33.2 0.0 0.0 | 0.057 0.036 0.000  | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1059 | NW_026ad | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 38.3 0.0 0.0 | 0.0013 0.015 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1060 | NW_033ad | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 43.6 0.0 0.0 | 0.0 0.016 0.005    | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1061 | NW_040ad | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 48.8 0.0 0.0 | 0.0019 0.018 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1062 | NW_046ad | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 53.9 0.0 0.0 | 0.0021 0.007 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1063 | NW_053ad | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 59.1 0.0 0.0 | 0.0 0.006 0.000    | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1064 | NW_059ad | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 64.3 0.0 0.0 | 0.0006 0.005 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1065 | NW_066ad | 0.666 0.666 0.666 | 0.666 0.666 0.666 | 0.666 0.666 0.666 | 0.666 0.666 0.666 | 69.5 0.0 0.0 | 0.0021 0.011 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1066 | NW_073ad | 0.734 0.734 0.734 | 0.734 0.734 0.734 | 0.734 0.734 0.734 | 0.734 0.734 0.734 | 74.7 0.0 0.0 | 0.0007 0.005 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1067 | NW_080ad | 0.8 0.8 0.8       | 0.8 0.8 0.8       | 0.8 0.8 0.8       | 0.8 0.8 0.8       | 79.9 0.0 0.0 | 0.0024 0.007 0.000 | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1068 | NW_086ad | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 0.866 0.866 0.866 | 85.0 0.0 0.0 | 0.002 0.005 0.000  | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1069 | NW_093ad | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 0.933 0.933 0.933 | 90.2 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1070 | NW_100ad | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 1.0 1.0 1.0       | 95.4 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1071 | NW_006ad | 0.0 0.0 0.0       | 0.0 0.0 0.0       | 0.0 0.0 0.0       | 0.0 0.0 0.0       | 22.8 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1072 | NW_013ad | 0.1 0.1 0.1       | 0.1 0.1 0.1       | 0.1 0.1 0.1       | 0.1 0.1 0.1       | 28.0 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1073 | NW_020ad | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 0.2 0.2 0.2       | 33.2 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1074 | NW_026ad | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 0.266 0.266 0.266 | 38.3 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1075 | NW_033ad | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 0.333 0.333 0.333 | 43.6 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1076 | NW_040ad | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 0.4 0.4 0.4       | 48.8 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1077 | NW_046ad | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 0.466 0.466 0.466 | 53.9 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1078 | NW_053ad | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 0.533 0.533 0.533 | 59.1 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |
| 1079 | NW_059ad | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 0.59 0.59 0.59    | 64.3 0.0 0.0 | 0.0 0.0 0.0        | 360    | 1.0 1.0 1.0 | 95.4 0.0 0.0 | 0.0   |

input: *rgb/cmyk* -> *rgbdd*  
output: 3D-linearization to *cmyk\*dd*

TUB-test chart PE24; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, *cmyk\**

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