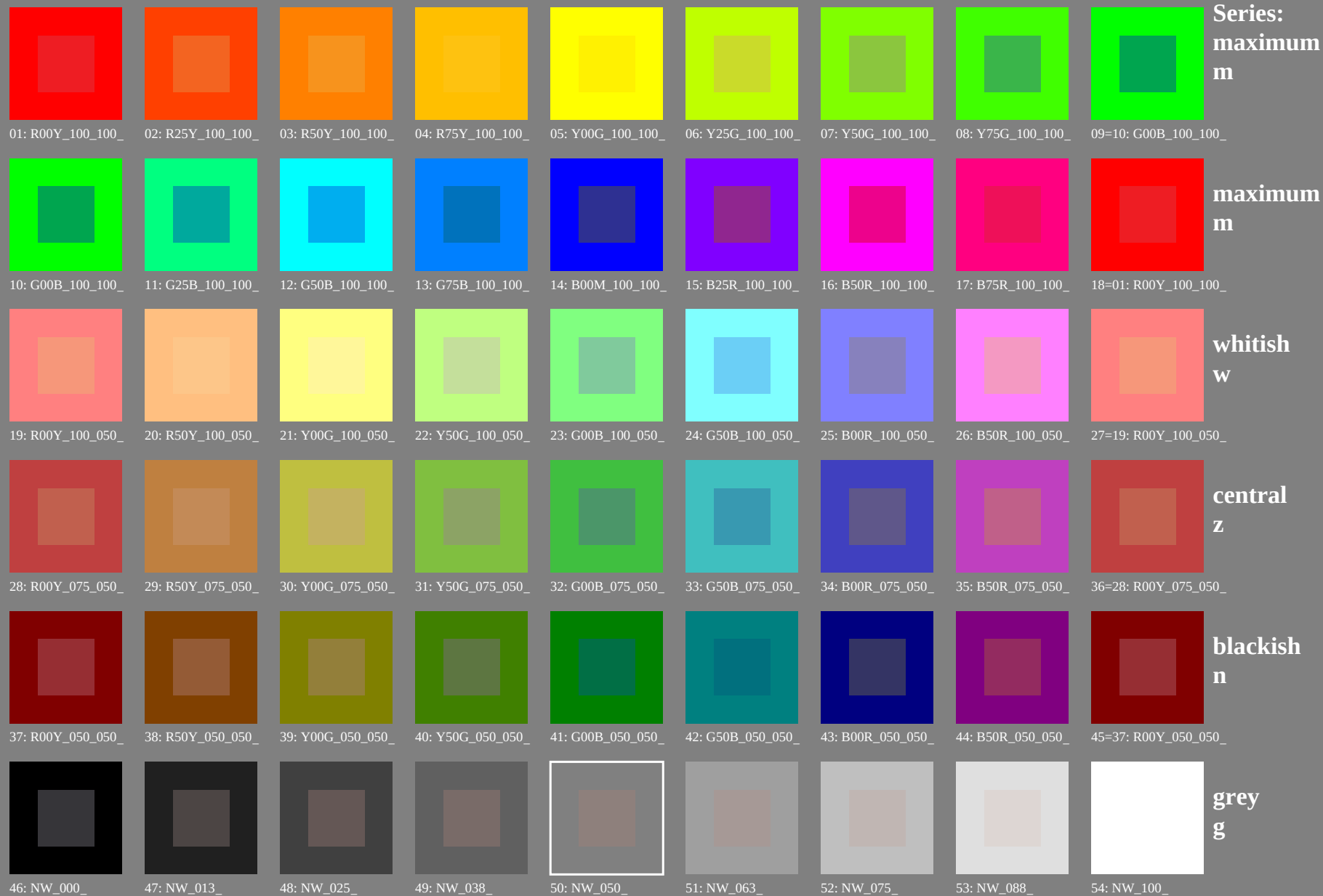
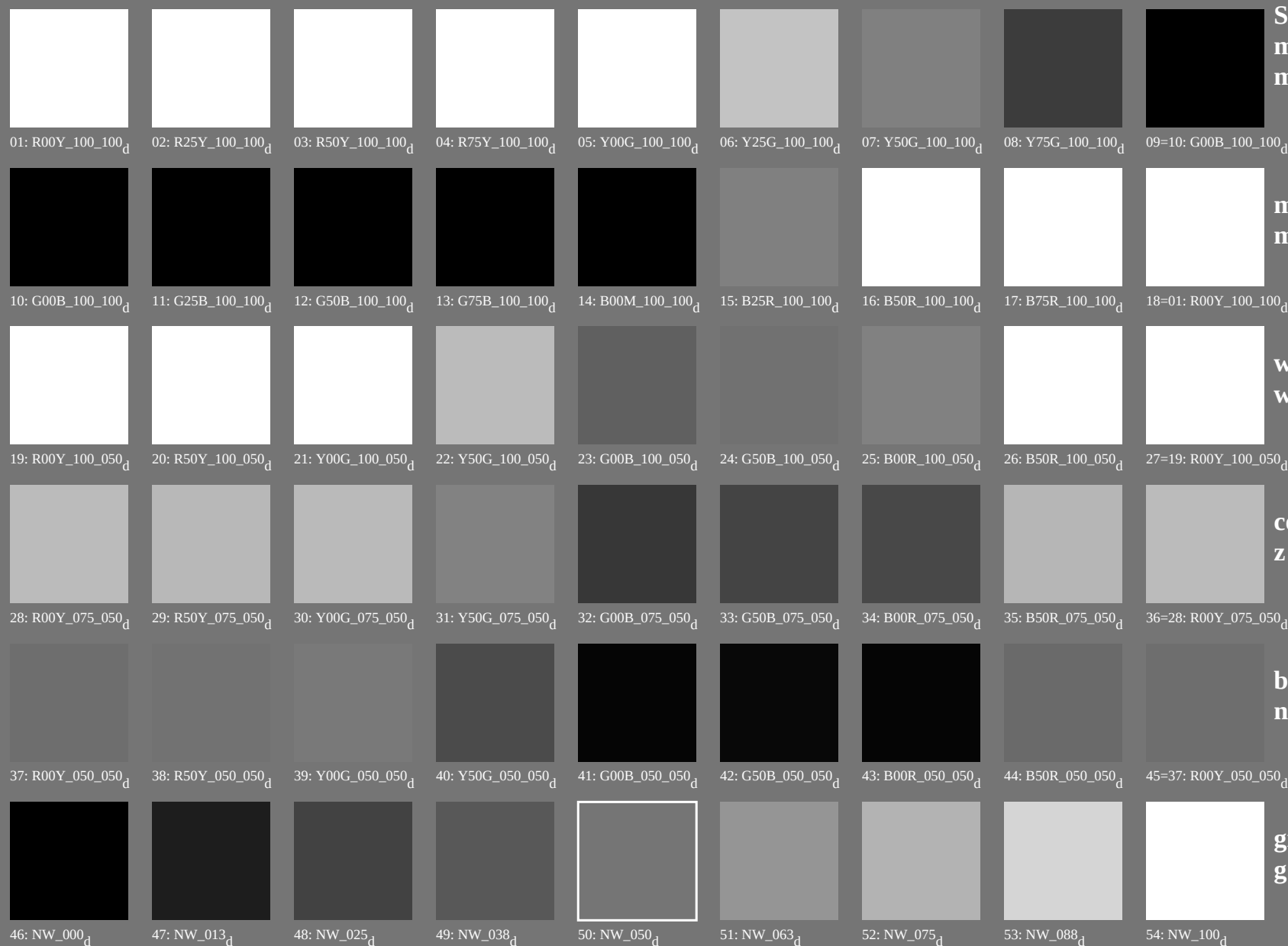


# Test chart 1 for color rendering: 54 standard colours for D65; offset print (CMY0)





Test chart 1 for color rendering: 54 standard colours for D65; offset print (CMY0);  $rgb \rightarrow rgb^{*dd}$



Series:  
maximum  
m

maximum  
m

whitish  
w

central  
z

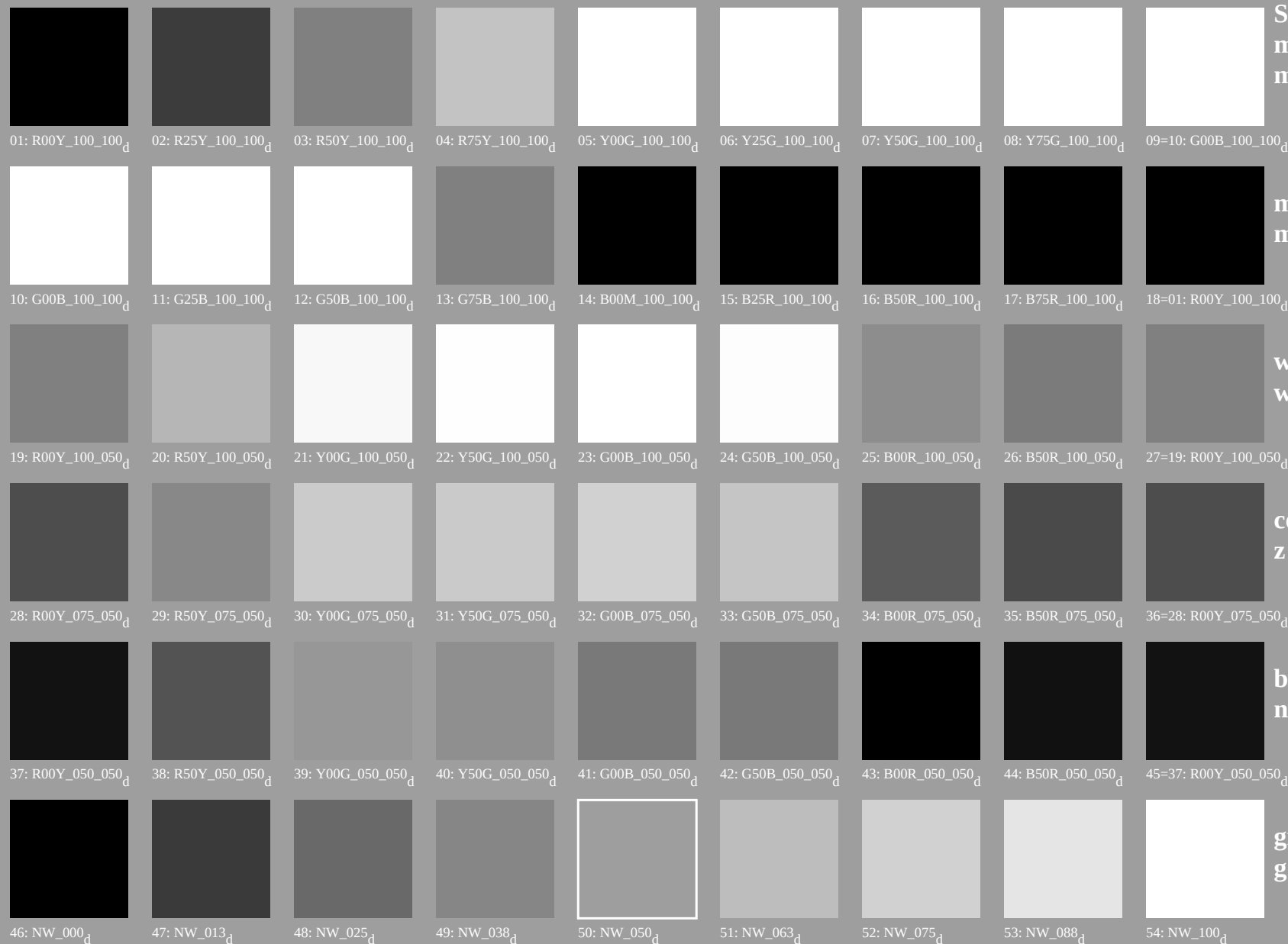
blackish  
n

grey  
g

TUB registration: 20130201-PN17/PN17L0FA.TXT /.PS  
application for measurement of offset print output, separation  $cmy0^*$  (CMY0)

TUB material: code=rh4ta

Test chart 1 for color rendering: 54 standard colours for D65; offset print (CMY0);  $rgb \rightarrow rgb^{*dd}$



Series:  
maximum  
m

maximum  
m

whitish  
w

central  
z

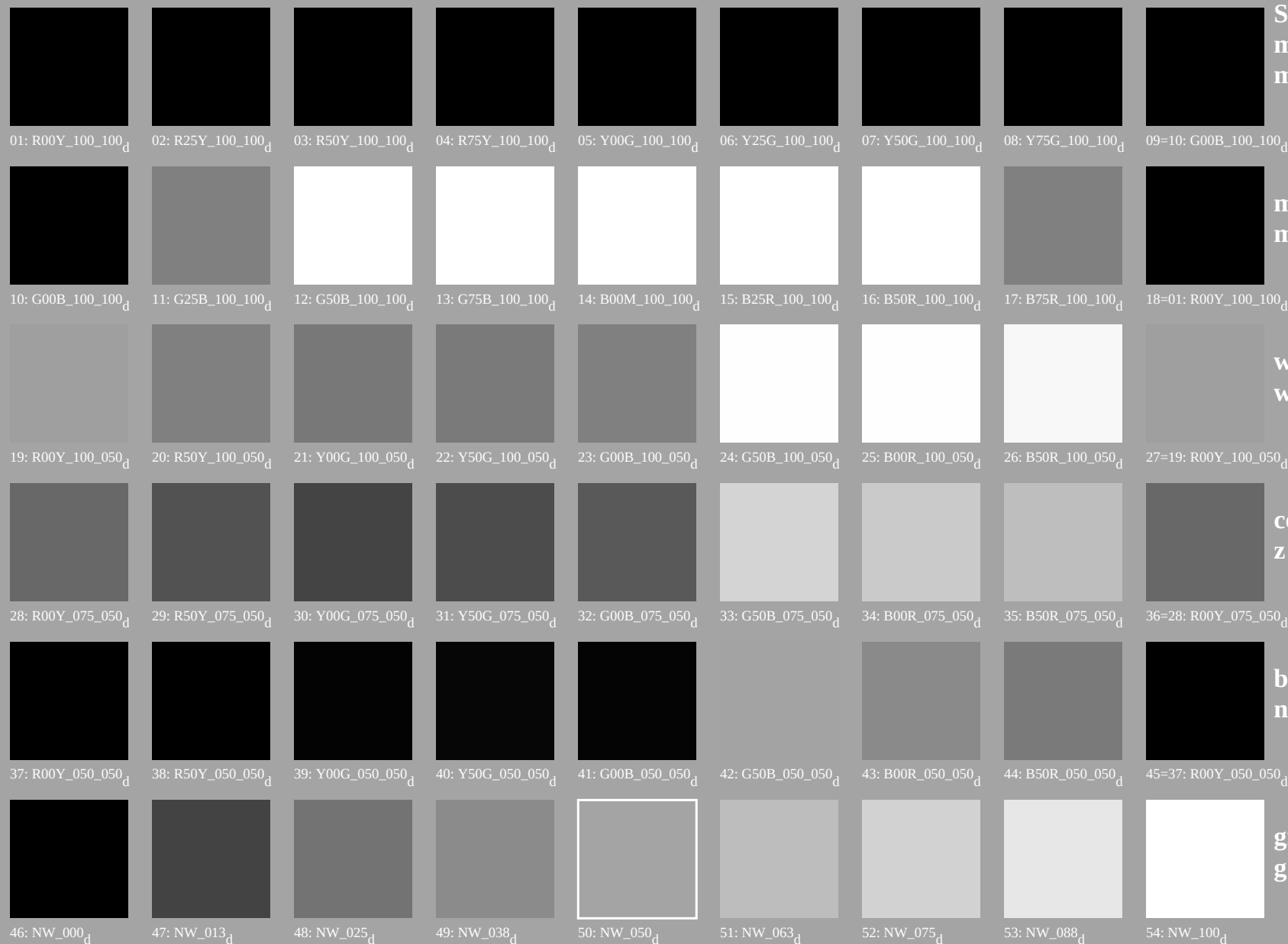
blackish  
n

grey  
g

see similar files: <http://130.149.60.45/~farbmetrik/PN17/PN17L0FA.TXT> /.PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20130201-PN17/PN17L0FA.TXT /.PS  
application for measurement of offset print output, separation  $cmy0^*$  (CMY0)  
TUB material: code=rh4ta

Test chart 1 for color rendering: 54 standard colours for D65; offset print (CMY0);  $rgb \rightarrow rgb^{*dd}$



Series:  
maximum  
m

maximum  
m

whitish  
w

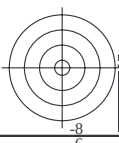
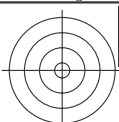
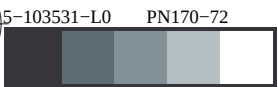
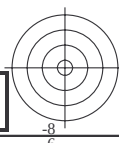
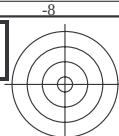
central  
z

blackish  
n

grey  
g

TUB registration: 20130201-PN17/PN17L0FA.TXT /.PS  
application for measurement of offset print output, separation  $cmy0^*$  (CMY0)

TUB material: code=rha4ta



TUB registration: 20130201-PN17/PN17L0FA.TXT /PS  
application for measurement of offset print output, separation

TUB material: code=rha4ta  
cmY0\* (CMY0)

| n/f    | HfC*Fid        | rgb_Fid | icr_Fid | hsa_Fid | rgb*Fid | LabCH*Fid | cmYn*sep_Fid | hsv*Fid | hsv*Mid | LabCH*Mid | cmYn*sep_Mid | hsv*Mid | hsv*dd | cmYn*sep_dd | hsv*dd | delta |
|--------|----------------|---------|---------|---------|---------|-----------|--------------|---------|---------|-----------|--------------|---------|--------|-------------|--------|-------|
| 0/648  | R00Y_100_100dd | 1.0     | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.0     | 0.0     | 45.4      | 70.9         | 83.9    | 44.8   | 83.9        | 32.3   | 32.3  |
| 1/657  | R13Y_100_100dd | 0.125   | 0.0     | 1.0     | 0.5     | 37.0      | 1.0          | 0.0     | 0.0     | 48.6      | 63.3         | 49.1    | 80.2   | 37.7        | 37.7   | 37.7  |
| 2/666  | R25Y_100_100dd | 0.25    | 0.0     | 1.0     | 0.5     | 44.0      | 0.0          | 0.0     | 0.0     | 53.0      | 53.4         | 54.8    | 76.5   | 45.7        | 45.7   | 45.7  |
| 3/675  | R38Y_100_100dd | 0.375   | 0.0     | 1.0     | 0.5     | 52.0      | 0.0          | 0.0     | 0.0     | 58.8      | 41.1         | 61.7    | 74.1   | 56.3        | 61.7   | 56.3  |
| 4/684  | R50Y_100_100dd | 0.5     | 0.0     | 1.0     | 0.5     | 60.0      | 0.0          | 0.0     | 0.0     | 64.9      | 28.9         | 68.6    | 74.5   | 67.1        | 67.1   | 67.1  |
| 5/693  | R63Y_100_100dd | 0.625   | 0.0     | 1.0     | 0.5     | 68.0      | 0.0          | 0.0     | 0.0     | 72.5      | 14.8         | 77.6    | 79.0   | 79.1        | 79.1   | 79.1  |
| 6/702  | R75Y_100_100dd | 0.75    | 0.0     | 1.0     | 0.5     | 76.0      | 0.0          | 0.0     | 0.0     | 78.6      | 4.3          | 84.7    | 84.8   | 87.0        | 84.8   | 87.0  |
| 7/711  | R88Y_100_100dd | 1.0     | 0.0     | 1.0     | 0.5     | 83.0      | 0.0          | 0.0     | 0.0     | 83.7      | -3.8         | 90.5    | 92.4   | 90.5        | 90.5   | 92.4  |
| 8/720  | Y00C_100_100dd | 1.0     | 1.0     | 0.0     | 0.0     | 87.8      | 0.0          | 0.0     | 0.0     | 87.8      | -10.2        | 95.4    | 96.0   | 96.1        | 96.1   | 96.1  |
| 9/639  | Y13C_100_100dd | 0.875   | 1.0     | 0.0     | 0.0     | 84.5      | 0.0          | 0.0     | 0.0     | 84.5      | -13.6        | 89.7    | 90.7   | 98.6        | 90.7   | 98.6  |
| 10/658 | Y25C_100_100dd | 0.75    | 1.0     | 0.0     | 0.0     | 81.2      | 0.0          | 0.0     | 0.0     | 81.2      | -17.0        | 84.3    | 86.0   | 101.4       | 86.0   | 101.4 |
| 11/477 | Y38C_100_100dd | 0.625   | 1.0     | 0.0     | 0.0     | 75.6      | 0.0          | 0.0     | 0.0     | 75.6      | -23.6        | 76.2    | 79.8   | 107.2       | 79.8   | 107.2 |
| 12/396 | Y50C_100_100dd | 0.5     | 1.0     | 0.0     | 0.0     | 70.6      | 0.0          | 0.0     | 0.0     | 70.6      | -29.7        | 66.5    | 72.8   | 114.0       | 72.8   | 114.0 |
| 13/315 | Y63C_100_100dd | 0.375   | 1.0     | 0.0     | 0.0     | 65.2      | 0.0          | 0.0     | 0.0     | 65.2      | -36.4        | 57.6    | 68.2   | 122.3       | 68.2   | 122.3 |
| 14/234 | Y75C_100_100dd | 0.25    | 1.0     | 0.0     | 0.0     | 57.9      | 0.0          | 0.0     | 0.0     | 57.9      | -48.3        | 45.8    | 57.9   | 136.5       | 45.8   | 136.5 |
| 15/153 | Y88C_100_100dd | 0.125   | 1.0     | 0.0     | 0.0     | 54.4      | 0.0          | 0.0     | 0.0     | 54.4      | -54.7        | 38.0    | 66.6   | 145.1       | 38.0   | 145.1 |
| 16/72  | G00C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 50.0      | 0.0          | 0.0     | 0.0     | 50.0      | -65.0        | 15.5    | 71.4   | 155.5       | 15.5   | 155.5 |
| 17/73  | G13C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 50.0      | 0.0          | 0.0     | 0.0     | 50.0      | -62.9        | 22.4    | 66.8   | 160.4       | 22.4   | 160.4 |
| 18/74  | G25C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 51.1      | 0.0          | 0.0     | 0.0     | 51.1      | -59.5        | 13.9    | 61.1   | 166.8       | 13.9   | 166.8 |
| 19/75  | G38C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 52.9      | 0.0          | 0.0     | 0.0     | 52.9      | -48.6        | 3.7     | 55.0   | 176.1       | 3.7    | 176.1 |
| 20/76  | G50C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 54.1      | 0.0          | 0.0     | 0.0     | 54.1      | -42.0        | -18.8   | 46.0   | 189.3       | -18.8  | 189.3 |
| 21/77  | G63C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 55.1      | 0.0          | 0.0     | 0.0     | 55.1      | -35.4        | -35.4   | 45.4   | 204.1       | -35.4  | 204.1 |
| 22/78  | G75C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 55.9      | 0.0          | 0.0     | 0.0     | 55.9      | -30.4        | -35.0   | 46.3   | 216.7       | -35.0  | 216.7 |
| 23/79  | G88C_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 56.8      | 0.0          | 0.0     | 0.0     | 56.8      | -25.5        | -41.5   | 46.6   | 228.4       | -41.5  | 228.4 |
| 24/80  | C00B_100_100dd | 0.0     | 0.875   | 1.0     | 0.0     | 54.3      | 0.0          | 0.0     | 0.0     | 54.3      | -21.4        | -41.4   | 46.6   | 242.6       | -41.4  | 242.6 |
| 25/81  | C13B_100_100dd | 0.0     | 0.875   | 1.0     | 0.0     | 50.9      | 0.0          | 0.0     | 0.0     | 50.9      | -16.2        | -41.2   | 44.2   | 248.4       | -41.2  | 248.4 |
| 26/82  | C25B_100_100dd | 0.0     | 0.75    | 1.0     | 0.0     | 46.8      | 0.0          | 0.0     | 0.0     | 46.8      | -9.8         | -40.9   | 42.1   | 256.4       | -40.9  | 256.4 |
| 27/83  | C38B_100_100dd | 0.0     | 0.625   | 1.0     | 0.0     | 41.7      | 0.0          | 0.0     | 0.0     | 41.7      | -1.2         | -40.6   | 40.6   | 268.2       | -40.6  | 268.2 |
| 28/44  | C50B_100_100dd | 0.0     | 0.5     | 1.0     | 0.0     | 37.0      | 0.0          | 0.0     | 0.0     | 37.0      | 6.6          | -40.2   | 40.8   | 279.3       | 6.6    | 279.3 |
| 29/35  | C63B_100_100dd | 0.0     | 0.375   | 1.0     | 0.0     | 32.2      | 0.0          | 0.0     | 0.0     | 32.2      | 15.3         | -40.3   | 43.1   | 290.8       | 15.3   | 290.8 |
| 30/26  | C75B_100_100dd | 0.0     | 0.25    | 1.0     | 0.0     | 28.4      | 0.0          | 0.0     | 0.0     | 28.4      | 22.8         | -40.3   | 46.3   | 299.5       | 22.8   | 299.5 |
| 31/17  | C88B_100_100dd | 0.0     | 0.125   | 1.0     | 0.0     | 25.0      | 0.0          | 0.0     | 0.0     | 25.0      | 29.5         | -40.4   | 50.0   | 306.2       | 29.5   | 306.2 |
| 32/8   | B00M_100_100dd | 0.0     | 1.0     | 0.0     | 0.0     | 27.7      | 0.0          | 0.0     | 0.0     | 27.7      | 35.6         | -36.7   | 51.1   | 314.1       | 35.6   | 314.1 |
| 33/89  | B13M_100_100dd | 0.125   | 0.0     | 1.0     | 0.0     | 28.7      | 0.0          | 0.0     | 0.0     | 28.7      | 51.2         | -33.1   | 52.9   | 321.1       | 51.2   | 321.1 |
| 34/170 | B25M_100_100dd | 0.25    | 0.0     | 1.0     | 0.0     | 32.5      | 0.0          | 0.0     | 0.0     | 32.5      | 51.2         | -26.5   | 57.7   | 332.6       | 51.2   | 332.6 |
| 35/251 | B38M_100_100dd | 0.375   | 0.0     | 1.0     | 0.0     | 35.6      | 0.0          | 0.0     | 0.0     | 35.6      | -20.7        | 62.1    | 340.5  | 340.5       | -20.7  | 340.5 |
| 36/332 | B50M_100_100dd | 0.5     | 0.0     | 1.0     | 0.0     | 38.3      | 0.0          | 0.0     | 0.0     | 38.3      | 65.8         | -13.7   | 348.2  | 348.2       | 65.8   | 348.2 |
| 37/413 | B63M_100_100dd | 0.625   | 0.0     | 1.0     | 0.0     | 42.1      | 0.0          | 0.0     | 0.0     | 42.1      | 71.6         | -8.7    | 353.0  | 353.0       | 71.6   | 353.0 |
| 38/494 | B75M_100_100dd | 0.75    | 0.0     | 1.0     | 0.0     | 44.3      | 0.0          | 0.0     | 0.0     | 44.3      | 75.4         | -4.7    | 356.3  | 356.3       | 75.4   | 356.3 |
| 39/575 | B88M_100_100dd | 0.875   | 0.0     | 1.0     | 0.0     | 46.1      | 0.0          | 0.0     | 0.0     | 46.1      | 79.3         | -0.2    | 359.8  | 359.8       | 79.3   | 359.8 |
| 40/656 | M00R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 46.1      | 0.0          | 0.0     | 0.0     | 46.1      | 79.3         | -0.2    | 359.8  | 359.8       | 79.3   | 359.8 |
| 41/655 | M13R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.9      | 0.0          | 0.0     | 0.0     | 45.9      | 78.3         | 3.8     | 78.4   | 2.8         | 78.4   | 2.8   |
| 42/654 | M25R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.9      | 0.0          | 0.0     | 0.0     | 45.9      | 77.3         | 8.0     | 77.7   | 5.9         | 77.7   | 5.9   |
| 43/653 | M38R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.9      | 0.0          | 0.0     | 0.0     | 45.9      | 75.7         | 14.4    | 77.1   | 10.8        | 77.1   | 10.8  |
| 44/652 | M50R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.9      | 0.0          | 0.0     | 0.0     | 45.9      | 74.2         | 21.1    | 77.1   | 15.9        | 77.1   | 15.9  |
| 45/651 | M63R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.9      | 0.0          | 0.0     | 0.0     | 45.9      | 72.9         | 28.7    | 78.4   | 21.5        | 78.4   | 21.5  |
| 46/650 | M75R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.5      | 0.0          | 0.0     | 0.0     | 45.5      | 71.4         | 35.3    | 80.3   | 26.1        | 80.3   | 26.1  |
| 47/649 | M88R_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.5      | 0.0          | 0.0     | 0.0     | 45.5      | 71.4         | 40.4    | 82.1   | 29.5        | 82.1   | 29.5  |
| 48/648 | R00Y_100_100dd | 1.0     | 0.0     | 0.0     | 0.0     | 45.4      | 0.0          | 0.0     | 0.0     | 45.4      | 70.9         | 44.8    | 83.9   | 32.3        | 83.9   | 32.3  |
| 49/0   | NW_000dd       | 0.0     | 0.0     | 0.0     | 0.0     | 34.3      | 0.0          | 0.0     | 0.0     | 34.3      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 50/91  | NW_013dd       | 0.125   | 0.0     | 0.0     | 0.0     | 32.2      | 0.0          | 0.0     | 0.0     | 32.2      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 51/182 | NW_025dd       | 0.25    | 0.0     | 0.0     | 0.0     | 32.2      | 0.0          | 0.0     | 0.0     | 32.2      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 52/273 | NW_0375dd      | 0.375   | 0.0     | 0.0     | 0.0     | 31.0      | 0.0          | 0.0     | 0.0     | 31.0      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 53/364 | NW_050dd       | 0.5     | 0.0     | 0.0     | 0.0     | 30.0      | 0.0          | 0.0     | 0.0     | 30.0      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 54/455 | NW_063dd       | 0.625   | 0.0     | 0.0     | 0.0     | 28.9      | 0.0          | 0.0     | 0.0     | 28.9      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 55/546 | NW_075dd       | 0.75    | 0.0     | 0.0     | 0.0     | 27.8      | 0.0          | 0.0     | 0.0     | 27.8      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 56/637 | NW_088dd       | 0.875   | 0.0     | 0.0     | 0.0     | 26.1      | 0.0          | 0.0     | 0.0     | 26.1      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |
| 57/728 | NW_100dd       | 1.0     | 1.0     | 1.0     | 1.0     | 95.6      | 0.0          | 0.0     | 0.0     | 95.6      | 0.0          | 0.0     | 0.0    | 0.0         | 0.0    | 0.0   |

input: rgb/cmyk -> rgbdd  
output: 3D-linearization to cmy0\*dd

TUB-test chart PN17; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmy0\*

see similar files: <http://130.149.60.45/~farbmetrik/PN17/PN17L0FA.TXT> /PS; 3D-linearization  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n/f    | HfC*Fid        | rgb_Fid | icr_Fid | hsa_Fid | rgb*Fid | LabCH*Fid | cmy0*sep_Fid | cmyn*sep_Fid | delta | rgb*Mid | hsa_Mid | LabCH*Mid | cmyn*sep_Mid | cmyn*sep_Mid | delta |
|--------|----------------|---------|---------|---------|---------|-----------|--------------|--------------|-------|---------|---------|-----------|--------------|--------------|-------|
| 0/648  | R0Y_100_100ad  | 1.0     | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.0          | 0.0   | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 1/666  | R25Y_100_100ad | 0.0     | 0.25    | 0.0     | 1.0     | 0.233     | 0.0          | 0.765        | 0.0   | 0.0     | 0.233   | 0.0       | 0.0          | 0.0          | 0.0   |
| 2/684  | R50Y_100_100ad | 0.0     | 0.5     | 0.0     | 1.0     | 0.466     | 0.0          | 0.534        | 0.0   | 0.0     | 0.466   | 0.0       | 0.0          | 0.0          | 0.0   |
| 3/702  | R75Y_100_100ad | 0.0     | 0.75    | 0.0     | 1.0     | 0.766     | 0.0          | 0.234        | 0.0   | 0.0     | 0.766   | 0.0       | 0.0          | 0.0          | 0.0   |
| 4/720  | Y00C_100_100ad | 1.0     | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.0          | 0.0   | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 5/738  | Y25C_100_100ad | 0.75    | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.235        | 0.0   | 0.0     | 0.766   | 0.0       | 0.0          | 0.0          | 0.0   |
| 6/756  | Y50C_100_100ad | 0.5     | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.498        | 0.0   | 0.0     | 0.5     | 0.0       | 0.0          | 0.0          | 0.0   |
| 7/774  | Y75C_100_100ad | 0.25    | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.766        | 0.0   | 0.0     | 0.233   | 0.0       | 0.0          | 0.0          | 0.0   |
| 8/792  | G00B_100_100ad | 0.0     | 1.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 9/792  | G00B_100_100ad | 0.0     | 1.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 10/76  | G25B_100_100ad | 0.0     | 1.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 11/80  | G50B_100_100ad | 0.0     | 1.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 12/84  | G75B_100_100ad | 0.0     | 1.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 13/8   | B00M_100_100ad | 0.0     | 0.0     | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 14/332 | B25R_100_100ad | 0.5     | 0.0     | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 15/652 | B50R_100_100ad | 0.0     | 0.0     | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 16/652 | B75R_100_100ad | 0.0     | 0.0     | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 17/648 | R00Y_100_100ad | 1.0     | 0.0     | 0.0     | 1.0     | 0.0       | 0.0          | 0.0          | 0.0   | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 18/608 | R00Y_100_050ad | 1.0     | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 19/768 | R50Y_100_050ad | 0.75    | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 20/724 | Y00C_100_050ad | 1.0     | 0.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 21/664 | Y25C_100_050ad | 0.75    | 0.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 22/400 | G00B_100_050ad | 0.5     | 1.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 23/400 | G25B_100_050ad | 0.5     | 1.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 24/468 | B00R_100_050ad | 0.5     | 0.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 25/692 | B50R_100_050ad | 0.0     | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 26/688 | R00Y_100_050ad | 1.0     | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 27/506 | R00Y_075_050ad | 0.75    | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 28/524 | R50Y_075_050ad | 0.75    | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 29/542 | Y00C_075_050ad | 0.75    | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 30/380 | Y50C_075_050ad | 0.5     | 0.75    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 31/218 | G00B_075_050ad | 0.25    | 0.75    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 32/222 | G50B_075_050ad | 0.25    | 0.75    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 33/186 | B00R_075_050ad | 0.25    | 0.25    | 0.75    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 34/510 | B50R_075_050ad | 0.75    | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 35/506 | R00Y_075_050ad | 0.75    | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 36/324 | R00Y_050_050ad | 0.5     | 0.0     | 0.0     | 0.5     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 37/342 | R50Y_050_050ad | 0.5     | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 38/360 | Y00C_050_050ad | 0.5     | 0.5     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 39/198 | Y50C_050_050ad | 0.25    | 0.5     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 40/36  | G00B_050_050ad | 0.0     | 0.5     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 41/40  | G50B_050_050ad | 0.0     | 0.5     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 42/4   | B00R_050_050ad | 0.0     | 0.5     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 43/328 | B50R_050_050ad | 0.5     | 0.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 44/324 | R00Y_050_050ad | 0.5     | 0.0     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 45/0   | NW_000ad       | 0.0     | 0.0     | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 46/91  | NW_013ad       | 0.125   | 0.125   | 0.125   | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 47/182 | NW_025ad       | 0.25    | 0.25    | 0.25    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 48/273 | NW_038ad       | 0.375   | 0.375   | 0.375   | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 49/364 | NW_050ad       | 0.5     | 0.5     | 0.5     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 50/455 | NW_065ad       | 0.625   | 0.625   | 0.625   | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 51/66  | NW_080ad       | 0.75    | 0.75    | 0.75    | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 52/66  | NW_095ad       | 0.875   | 0.875   | 0.875   | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |
| 53/728 | NW_100ad       | 1.0     | 1.0     | 1.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   | 0.0     | 0.0     | 0.0       | 0.0          | 0.0          | 0.0   |

input: *rgb/cmyk* -> *rgbd*  
output: 3D-linearization to *cmy0\*dd*

TUB-test chart PN17; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, *cmy0\**



| HVC-Feld |  | rgb-Feld |  | L*a*b*-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld |  | rgb-Feld |  | LabCH-Feld |  | cmy0*-Feld |  | Hsb-Feld</ |  |
|----------|--|----------|--|-------------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|--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|----------|--|----------|--|-------------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|----------|--|----------|--|------------|--|------------|--|--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see similar files: <http://130.149.60.45/~farbmatrik/PN17/PN17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

http://130.149.60.45/~farbmatrik/PN17/PN17L0FA.TXT /PS; 3D-linearization  
F: 3D-linearization PN17/PN17LJ30FA.DAT in file (F), page 11/22

TUB-test chart PN17; colour rendering colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmv0\*

input: *rgb/cmyk*  $\rightarrow$  *rgb<sub>dd</sub>*  
 output: 3D-linearization to *cmv0\**<sub>dd</sub>

[illegible]

| n   | H1C*Fid        | rgb_Fid           | icr_Fid           | hsa_Fid | rgb*Fid           | LabCh*Fid  | cmyn*sep_Fid | 1.0   | 0.0   | 0.0 | LabCh*Mid | 83.9       | 32.3  |
|-----|----------------|-------------------|-------------------|---------|-------------------|------------|--------------|-------|-------|-----|-----------|------------|-------|
| 243 | ROY0_037_037ad | 0.375 0.0 0.125   | 0.375 0.375 0.187 | 390     | 0.375 0.0 0.0     | 32.2 26.6  | 0.67         | 0.922 | 1.0   | 0.0 | 45.4 70.9 | 44.8       | 83.9  |
| 244 | R1Y0_037_037ad | 0.375 0.0 0.125   | 0.375 0.375 0.187 | 371     | 0.375 0.0 0.118   | 32.3 27.2  | 0.67         | 0.921 | 0.0   | 0.0 | 45.7 72.6 | 31.2 79.1  | 23.2  |
| 245 | B6SR_037_037ad | 0.375 0.0 0.375   | 0.375 0.375 0.187 | 349     | 0.375 0.0 0.256   | 32.4 28.6  | 0.67         | 0.921 | 0.0   | 0.0 | 45.9 76.4 | 11.9 77.3  | 8.9   |
| 246 | B6SR_037_037ad | 0.375 0.0 0.375   | 0.375 0.375 0.187 | 330     | 0.375 0.0 0.375   | 32.5 29.7  | 0.67         | 0.921 | 0.0   | 0.0 | 46.1 79.3 | -0.2 79.3  | 359.8 |
| 247 | B3RK_050_050ad | 0.375 0.0 0.5     | 0.375 0.375 0.187 | 316     | 0.383 0.0 0.5     | 33.2 35.8  | 0.67         | 0.921 | 0.0   | 0.0 | 47.1 71.6 | -8.7 72.1  | 353.0 |
| 248 | B3RK_050_050ad | 0.375 0.0 0.625   | 0.375 0.375 0.187 | 307     | 0.383 0.0 0.625   | 33.8 40.6  | 0.67         | 0.969 | 0.402 | 0.0 | 47.9 76.0 | -14.5 66.6 | 347.4 |
| 249 | B2SR_075_075ad | 0.375 0.0 0.75    | 0.375 0.375 0.187 | 300     | 0.375 0.0 0.75    | 32.7 43.9  | 0.67         | 0.979 | 0.272 | 0.0 | 48.1 76.1 | -20.7 62.1 | 340.5 |
| 250 | B2SR_075_075ad | 0.375 0.0 0.875   | 0.375 0.375 0.187 | 295     | 0.364 0.0 0.875   | 32.5 47.4  | 0.67         | 0.979 | 0.272 | 0.0 | 48.1 76.1 | -24.4 59.4 | 335.7 |
| 251 | B1RK_100_100ad | 0.375 0.0 1.0     | 0.375 0.375 0.187 | 292     | 0.366 0.0 1.0     | 32.5 51.2  | 0.67         | 0.999 | 0.0   | 0.0 | 48.1 76.1 | -26.5 57.7 | 332.6 |
| 252 | R31Y_037_037ad | 0.375 0.125 0.125 | 0.375 0.375 0.187 | 49      | 0.375 0.118 0.0   | 36.4 17.1  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 253 | ROY0_037_037ad | 0.375 0.125 0.125 | 0.375 0.375 0.187 | 49      | 0.375 0.118 0.0   | 36.4 17.1  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 254 | ROY0_037_037ad | 0.375 0.125 0.375 | 0.375 0.375 0.187 | 360     | 0.375 0.124 0.25  | 38.6 18.5  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 255 | B5OR_037_037ad | 0.375 0.125 0.375 | 0.375 0.375 0.187 | 330     | 0.375 0.124 0.375 | 38.7 19.8  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 256 | B5OR_037_037ad | 0.375 0.125 0.625 | 0.375 0.375 0.187 | 311     | 0.381 0.124 0.5   | 39.0 25.5  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 257 | B3RK_050_050ad | 0.375 0.125 0.625 | 0.375 0.375 0.187 | 300     | 0.375 0.124 0.625 | 38.9 29.3  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 258 | B1RK_100_100ad | 0.375 0.125 0.875 | 0.375 0.375 0.187 | 293     | 0.364 0.125 0.875 | 38.6 32.7  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 259 | B1RK_100_100ad | 0.375 0.125 0.875 | 0.375 0.375 0.187 | 288     | 0.362 0.125 0.875 | 38.2 35.5  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 260 | B1RK_100_100ad | 0.375 0.125 0.875 | 0.375 0.375 0.187 | 286     | 0.358 0.125 0.875 | 37.9 37.9  | 0.62         | 0.936 | 0.0   | 0.0 | 56.6 45.8 | 59.2 74.9  | 52.2  |
| 261 | R6Y0_037_037ad | 0.375 0.25 0.0    | 0.375 0.375 0.187 | 71      | 0.375 0.256 0.0   | 43.2 4.1   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 262 | R6Y0_037_037ad | 0.375 0.25 0.125  | 0.375 0.375 0.187 | 71      | 0.375 0.256 0.0   | 43.2 4.1   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 263 | ROY0_037_037ad | 0.375 0.25 0.125  | 0.375 0.375 0.187 | 390     | 0.375 0.25 0.124  | 43.4 7.2   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 264 | ROY0_037_037ad | 0.375 0.25 0.375  | 0.375 0.375 0.187 | 330     | 0.375 0.249 0.249 | 44.8 8.8   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 265 | B2SR_075_075ad | 0.375 0.25 0.625  | 0.375 0.375 0.187 | 300     | 0.375 0.249 0.5   | 44.9 14.6  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 266 | B1RK_100_100ad | 0.375 0.25 0.875  | 0.375 0.375 0.187 | 289     | 0.368 0.25 0.875  | 44.6 17.7  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 267 | B1RK_100_100ad | 0.375 0.25 0.875  | 0.375 0.375 0.187 | 284     | 0.366 0.25 0.875  | 44.3 20.6  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 268 | B1RK_100_100ad | 0.375 0.25 0.875  | 0.375 0.375 0.187 | 282     | 0.366 0.25 0.875  | 44.3 20.6  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 269 | B0R0_100_100ad | 0.375 0.25 1.0    | 0.375 0.375 0.187 | 279     | 0.362 0.25 1.0    | 44.9 27.9  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 270 | Y0C0_037_037ad | 0.375 0.375 0.0   | 0.375 0.375 0.187 | 90      | 0.375 0.375 0.124 | 49.1 -2.5  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 271 | Y0C0_037_037ad | 0.375 0.375 0.125 | 0.375 0.375 0.187 | 90      | 0.375 0.375 0.124 | 49.1 -2.5  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 272 | Y0C0_037_037ad | 0.375 0.375 0.125 | 0.375 0.375 0.187 | 90      | 0.375 0.375 0.124 | 49.1 -2.5  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 273 | Y0C0_037_037ad | 0.375 0.375 0.125 | 0.375 0.375 0.187 | 90      | 0.375 0.375 0.124 | 49.1 -2.5  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 274 | B0R0_050_050ad | 0.375 0.375 0.375 | 0.375 0.375 0.187 | 360     | 0.375 0.375 0.375 | 51.0 0.0   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 275 | B0R0_050_050ad | 0.375 0.375 0.375 | 0.375 0.375 0.187 | 360     | 0.375 0.375 0.375 | 51.0 0.0   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 276 | B0R0_050_050ad | 0.375 0.375 0.625 | 0.375 0.375 0.187 | 270     | 0.375 0.375 0.625 | 51.2 7.3   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 277 | B0R0_050_050ad | 0.375 0.375 0.625 | 0.375 0.375 0.187 | 270     | 0.375 0.375 0.625 | 51.2 7.3   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 278 | B0R0_050_050ad | 0.375 0.375 0.875 | 0.375 0.375 0.187 | 270     | 0.375 0.375 0.875 | 51.3 14.7  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 279 | Y0C0_050_050ad | 0.375 0.5 0.0     | 0.375 0.375 0.187 | 104     | 0.383 0.5 0.0     | 52.8 -8.5  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 280 | Y0C0_050_050ad | 0.375 0.5 0.125   | 0.375 0.375 0.187 | 109     | 0.381 0.5 0.125   | 53.3 -7.9  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 281 | Y0C0_050_050ad | 0.375 0.5 0.25    | 0.375 0.375 0.187 | 120     | 0.375 0.5 0.249   | 53.7 -7.9  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 282 | G0B0_050_050ad | 0.375 0.5 0.375   | 0.375 0.375 0.187 | 150     | 0.375 0.5 0.375   | 54.3 -8.1  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 283 | G0B0_050_050ad | 0.375 0.5 0.375   | 0.375 0.375 0.187 | 150     | 0.375 0.5 0.375   | 54.3 -8.1  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 284 | G5B0_062_062ad | 0.375 0.625 0.0   | 0.375 0.375 0.187 | 210     | 0.375 0.625 0.0   | 55.1 -3.7  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 285 | G5B0_062_062ad | 0.375 0.625 0.125 | 0.375 0.375 0.187 | 210     | 0.375 0.625 0.125 | 55.1 -3.7  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 286 | G4B0_062_062ad | 0.375 0.625 0.25  | 0.375 0.375 0.187 | 251     | 0.375 0.493 0.75  | 55.1 3.7   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 287 | G8B0_087_087ad | 0.375 0.875 0.0   | 0.375 0.375 0.187 | 259     | 0.375 0.491 0.875 | 54.9 11.6  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 288 | Y0C0_062_062ad | 0.375 0.625 0.0   | 0.375 0.375 0.187 | 113     | 0.385 0.625 0.0   | 56.0 -15.3 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 289 | Y0C0_062_062ad | 0.375 0.625 0.125 | 0.375 0.375 0.187 | 131     | 0.375 0.625 0.125 | 56.4 -14.8 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 290 | Y0C0_062_062ad | 0.375 0.625 0.25  | 0.375 0.375 0.187 | 131     | 0.368 0.625 0.25  | 56.4 -15.5 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 291 | G0B0_062_062ad | 0.375 0.625 0.375 | 0.375 0.375 0.187 | 190     | 0.375 0.625 0.375 | 57.5 -16.2 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 292 | G2B0_062_062ad | 0.375 0.625 0.375 | 0.375 0.375 0.187 | 190     | 0.375 0.625 0.375 | 57.5 -16.2 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 293 | G5B0_062_062ad | 0.375 0.625 0.625 | 0.375 0.375 0.187 | 229     | 0.375 0.625 0.625 | 59.2 -12.1 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 294 | G5B0_062_062ad | 0.375 0.625 0.625 | 0.375 0.375 0.187 | 229     | 0.375 0.625 0.625 | 59.2 -12.1 | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 295 | G5B0_062_062ad | 0.375 0.625 0.875 | 0.375 0.375 0.187 | 240     | 0.375 0.625 0.875 | 59.7 -6.0  | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 296 | G0B0_100_100ad | 0.375 0.625 1.0   | 0.375 0.375 0.187 | 247     | 0.375 0.614 1.0   | 59.3 3.5   | 0.65         | 0.98  | 0.0   | 0.0 | 74.8 11.0 | 80.4 81.1  | 82.1  |
| 297 | Y0C0_075_07    |                   |                   |         |                   |            |              |       |       |     |           |            |       |

<http://130.149.60.45/~farbmatrik/PN17/PN17L0FA.TXT> /PS; 3D-linearization F; 3D-linearization PN17/PN17LJ30FA.DAT in file (F), page 13/22

input: *rgb/cmyk* → *rgbdd*  
output: 3D-linearization to *cmy0\*dd*

TUB-test chart PN17; colour rendering

[illegible]

-see similar files: <http://130.149.60.45/~farbmatrik/PN17/PN17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

<http://130.149.60.45/~farbmatrik/PN17/PN17L0FA.TXT> /.PS; 3D-linearization  
F: 3D-linearization PN17/PN17LJ30FA.DAT in file (F), page 14/22

| n   | H1C*Fid        | rgb_Fid           | icr_Fid           | hsa_Fid | rgb*Fid           | LabCh*Fid | cmv*sep_Fid       | delta | hsa_id | rgb*Fid       | LabCh*Fid | delta |
|-----|----------------|-------------------|-------------------|---------|-------------------|-----------|-------------------|-------|--------|---------------|-----------|-------|
| 405 | R00Y.062.062ad | 0.625 0.0 0.0     | 0.625 0.625 0.312 | 390     | 0.625 0.0 0.0     | 37.5 44.3 | 0.444 0.936 1.0   | 0.0   | 389    | 1.0 0.0 0.0   | 45.4 70.9 | 83.9  |
| 406 | R31Y.062.062ad | 0.625 0.0 0.125   | 0.625 0.625 0.312 | 379     | 0.625 0.0 0.114   | 37.6 44.3 | 0.445 0.94 0.9    | 0.0   | 380    | 1.0 0.0 0.183 | 45.5 71.8 | 27.5  |
| 407 | R60R.062.062ad | 0.625 0.0 0.25    | 0.625 0.625 0.312 | 367     | 0.625 0.0 0.239   | 37.7 45.6 | 0.444 0.937 0.755 | 0.0   | 367    | 1.0 0.0 0.383 | 45.8 73.0 | 20.8  |
| 408 | B60R.062.062ad | 0.625 0.0 0.375   | 0.625 0.625 0.312 | 353     | 0.625 0.0 0.385   | 37.8 47.2 | 0.448 0.937 0.606 | 0.0   | 352    | 1.0 0.0 0.616 | 46.0 75.5 | 15.2  |
| 409 | B59R.062.062ad | 0.625 0.0 0.5     | 0.625 0.625 0.312 | 341     | 0.625 0.0 0.51    | 37.8 48.6 | 0.451 0.942 0.507 | 0.0   | 339    | 1.0 0.0 0.816 | 46.1 77.7 | 4.6   |
| 410 | B59R.062.062ad | 0.625 0.0 0.625   | 0.625 0.625 0.312 | 330     | 0.625 0.0 0.625   | 37.9 49.5 | 0.456 0.941 0.425 | 0.0   | 330    | 1.0 0.0 1.0   | 46.1 79.3 | 359.8 |
| 411 | B42R.062.062ad | 0.625 0.0 0.75    | 0.625 0.625 0.312 | 321     | 0.625 0.0 0.75    | 38.9 55.7 | 0.451 0.941 0.283 | 0.0   | 322    | 1.0 0.0 1.0   | 43.7 74.3 | -5.9  |
| 412 | B36R.062.062ad | 0.625 0.0 0.875   | 0.625 0.625 0.312 | 314     | 0.625 0.0 0.875   | 39.2 61.1 | 0.451 0.941 0.144 | 0.0   | 315    | 1.0 0.0 1.0   | 41.3 70.3 | -9.9  |
| 413 | B31R.100.100ad | 0.625 0.0 1.0     | 0.625 0.625 0.312 | 308     | 0.625 0.0 1.0     | 38.3 65.8 | 0.451 0.941 0.0   | 0.0   | 308    | 1.0 0.0 1.0   | 38.3 65.8 | -13.7 |
| 414 | R18Y.062.062ad | 0.625 0.125 0.0   | 0.625 0.625 0.312 | 41      | 0.625 0.114 0.0   | 41.1 36.1 | 0.441 0.827 1.0   | 0.0   | 39     | 1.0 0.183     | 51.1 57.8 | 78.1  |
| 415 | R00Y.062.050ad | 0.625 0.125 0.125 | 0.625 0.625 0.312 | 390     | 0.625 0.125 0.125 | 43.8 35.4 | 0.413 0.79 0.739  | 0.0   | 389    | 1.0 0.0 0.0   | 45.6 72.1 | 35.3  |
| 416 | R26Y.062.050ad | 0.625 0.125 0.25  | 0.625 0.625 0.312 | 376     | 0.625 0.125 0.241 | 43.9 36.4 | 0.418 0.79 0.418  | 0.0   | 377    | 1.0 0.0 0.0   | 45.6 72.1 | 35.3  |
| 417 | R00Y.062.050ad | 0.625 0.125 0.375 | 0.625 0.625 0.312 | 360     | 0.625 0.125 0.375 | 44.0 37.1 | 0.424 0.792 0.551 | 0.0   | 362    | 1.0 0.0 0.0   | 45.9 74.2 | 21.1  |
| 418 | B61R.062.050ad | 0.625 0.125 0.5   | 0.625 0.625 0.312 | 344     | 0.625 0.125 0.508 | 44.0 38.6 | 0.43 0.798 0.448  | 0.0   | 340    | 1.0 0.0 0.0   | 46.1 79.3 | 8.0   |
| 419 | B59R.062.050ad | 0.625 0.125 0.625 | 0.625 0.625 0.312 | 330     | 0.625 0.125 0.625 | 44.1 39.6 | 0.433 0.801 0.376 | 0.0   | 330    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 420 | B40R.062.050ad | 0.625 0.125 0.75  | 0.625 0.625 0.312 | 319     | 0.625 0.125 0.75  | 44.9 45.8 | 0.433 0.801 0.255 | 0.0   | 320    | 1.0 0.0 0.0   | 46.1 79.3 | -7.0  |
| 421 | B34R.062.050ad | 0.625 0.125 0.875 | 0.625 0.625 0.312 | 305     | 0.625 0.125 0.875 | 44.8 51.8 | 0.433 0.801 0.142 | 0.0   | 311    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 422 | B29R.100.087ad | 0.625 0.125 1.0   | 0.625 0.625 0.312 | 301     | 0.625 0.125 1.0   | 44.5 55.3 | 0.433 0.801 0.0   | 0.0   | 305    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 423 | R38Y.062.062ad | 0.625 0.25 0.0    | 0.625 0.625 0.312 | 53      | 0.625 0.239 0.0   | 46.3 24.7 | 0.414 0.691 0.772 | 0.0   | 52     | 1.0 0.383     | 50.5 59.5 | 62.5  |
| 424 | R23Y.062.050ad | 0.625 0.25 0.125  | 0.625 0.625 0.312 | 390     | 0.625 0.241 0.125 | 47.6 26.7 | 0.414 0.691 0.575 | 0.0   | 389    | 1.0 0.0 0.0   | 45.4 70.9 | 35.4  |
| 425 | R00Y.062.037ad | 0.625 0.25 0.25   | 0.625 0.625 0.312 | 371     | 0.625 0.25 0.25   | 50.1 26.6 | 0.402 0.657 0.506 | 0.0   | 371    | 1.0 0.0 0.0   | 45.4 70.9 | 44.8  |
| 426 | B65R.062.037ad | 0.625 0.25 0.375  | 0.625 0.625 0.312 | 349     | 0.625 0.25 0.368  | 50.2 27.2 | 0.402 0.657 0.403 | 0.0   | 348    | 1.0 0.0 0.0   | 46.1 79.3 | 8.9   |
| 427 | B59R.062.037ad | 0.625 0.25 0.5    | 0.625 0.625 0.312 | 330     | 0.625 0.25 0.506  | 50.2 28.6 | 0.402 0.657 0.336 | 0.0   | 340    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 428 | B36R.062.037ad | 0.625 0.25 0.625  | 0.625 0.625 0.312 | 316     | 0.625 0.25 0.625  | 50.3 29.7 | 0.402 0.657 0.228 | 0.0   | 317    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 429 | B30R.062.037ad | 0.625 0.25 0.75   | 0.625 0.625 0.312 | 306     | 0.625 0.25 0.75   | 51.0 35.8 | 0.402 0.657 0.126 | 0.0   | 307    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 430 | B25R.100.075ad | 0.625 0.25 1.0    | 0.625 0.625 0.312 | 292     | 0.625 0.25 1.0    | 50.6 41.6 | 0.402 0.657 0.0   | 0.0   | 300    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 431 | B20R.100.075ad | 0.625 0.25 1.0    | 0.625 0.625 0.312 | 284     | 0.625 0.25 1.0    | 50.6 41.6 | 0.402 0.657 0.0   | 0.0   | 292    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 432 | R61Y.062.062ad | 0.625 0.375 0.0   | 0.625 0.625 0.312 | 67      | 0.625 0.385 0.0   | 53.9 10.4 | 0.418 0.738 0.989 | 0.0   | 67     | 1.0 0.1616    | 71.6 16.4 | 77.8  |
| 433 | R31Y.062.037ad | 0.625 0.375 0.125 | 0.625 0.625 0.312 | 437     | 0.625 0.375 0.125 | 53.5 14.4 | 0.418 0.738 0.989 | 0.0   | 59     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 434 | R00Y.062.025ad | 0.625 0.375 0.25  | 0.625 0.625 0.312 | 390     | 0.625 0.375 0.25  | 54.2 17.1 | 0.418 0.738 0.989 | 0.0   | 48     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 435 | R00Y.062.025ad | 0.625 0.375 0.375 | 0.625 0.625 0.312 | 360     | 0.625 0.375 0.375 | 56.3 17.1 | 0.418 0.738 0.989 | 0.0   | 369    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 436 | R00Y.062.025ad | 0.625 0.375 0.5   | 0.625 0.625 0.312 | 330     | 0.625 0.375 0.5   | 56.4 18.5 | 0.418 0.738 0.989 | 0.0   | 360    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 437 | B30R.062.050ad | 0.625 0.375 0.625 | 0.625 0.625 0.312 | 311     | 0.625 0.375 0.625 | 56.5 19.8 | 0.418 0.738 0.989 | 0.0   | 330    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 438 | B34R.062.050ad | 0.625 0.375 0.75  | 0.625 0.625 0.312 | 293     | 0.625 0.375 0.75  | 56.7 25.3 | 0.418 0.738 0.989 | 0.0   | 311    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 439 | B25R.062.062ad | 0.625 0.5 0.0     | 0.625 0.625 0.312 | 79      | 0.625 0.51 0.0    | 59.7 0.5  | 0.404 0.394 0.981 | 0.0   | 80     | 1.0 0.1616    | 70.6 14.8 | 82.1  |
| 440 | R18Y.062.062ad | 0.625 0.5 0.125   | 0.625 0.625 0.312 | 71      | 0.625 0.508 0.125 | 60.4 2.1  | 0.404 0.394 0.981 | 0.0   | 71     | 1.0 0.1616    | 70.6 14.8 | 82.1  |
| 441 | R60Y.062.062ad | 0.625 0.5 0.25    | 0.625 0.625 0.312 | 66      | 0.625 0.508 0.25  | 61.1 4.1  | 0.404 0.394 0.981 | 0.0   | 71     | 1.0 0.1616    | 70.6 14.8 | 82.1  |
| 442 | R00Y.062.025ad | 0.625 0.5 0.375   | 0.625 0.625 0.312 | 60      | 0.625 0.5 0.375   | 61.2 7.2  | 0.404 0.394 0.981 | 0.0   | 59     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 443 | R50Y.062.025ad | 0.625 0.5 0.5     | 0.625 0.625 0.312 | 390     | 0.625 0.5 0.5     | 62.6 8.6  | 0.404 0.394 0.981 | 0.0   | 389    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 444 | R00Y.062.012ad | 0.625 0.5 0.625   | 0.625 0.625 0.312 | 300     | 0.625 0.5 0.625   | 62.7 9.9  | 0.404 0.394 0.981 | 0.0   | 330    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 445 | B59R.062.012ad | 0.625 0.5 0.75    | 0.625 0.625 0.312 | 330     | 0.625 0.5 0.75    | 62.8 14.6 | 0.404 0.394 0.981 | 0.0   | 300    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 446 | B25R.062.012ad | 0.625 0.5 1.0     | 0.625 0.625 0.312 | 289     | 0.625 0.5 1.0     | 62.1 17.7 | 0.404 0.394 0.981 | 0.0   | 288    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 447 | B18R.062.037ad | 0.625 0.5 1.0     | 0.625 0.625 0.312 | 284     | 0.625 0.5 1.0     | 62.1 17.7 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 448 | B11R.100.050ad | 0.625 0.5 1.0     | 0.625 0.625 0.312 | 284     | 0.625 0.5 1.0     | 62.1 17.7 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 449 | Y00G.062.062ad | 0.625 0.625 0.0   | 0.625 0.625 0.312 | 90      | 0.625 0.625 0.0   | 64.0 -6.3 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 450 | Y00G.062.050ad | 0.625 0.625 0.125 | 0.625 0.625 0.312 | 90      | 0.625 0.625 0.125 | 65.9 -5.1 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 451 | Y00G.062.037ad | 0.625 0.625 0.25  | 0.625 0.625 0.312 | 90      | 0.625 0.625 0.25  | 65.9 -5.1 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 452 | Y00G.062.025ad | 0.625 0.625 0.375 | 0.625 0.625 0.312 | 90      | 0.625 0.625 0.375 | 66.9 -2.5 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 453 | Y00G.062.012ad | 0.625 0.625 0.5   | 0.625 0.625 0.312 | 90      | 0.625 0.625 0.5   | 67.9 -1.2 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 454 | Y00G.062.000ad | 0.625 0.625 1.0   | 0.625 0.625 0.312 | 90      | 0.625 0.625 1.0   | 67.9 -1.2 | 0.404 0.394 0.981 | 0.0   | 89     | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 455 | B00R.075.012ad | 0.625 0.625 0.625 | 0.625 0.625 0.312 | 360     | 0.625 0.625 0.625 | 68.9 0.0  | 0.404 0.394 0.981 | 0.0   | 360    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 456 | B00R.075.012ad | 0.625 0.625 0.625 | 0.625 0.625 0.312 | 360     | 0.625 0.625 0.625 | 68.9 0.0  | 0.404 0.394 0.981 | 0.0   | 360    | 1.0 0.0 0.0   | 46.1 79.3 | 359.8 |
| 457 | B00R.075.012ad | 0.625 0.625 0.625 | 0.625 0.625 0.312 | 360     | 0.625 0.625 0.625 | 68.9 0.0  | 0.404 0.394 0.981 | 0.0   | 360    | 1.0 1         |           |       |





| n   | H1C*Fid         | rgb_Fid             | icr_Fid             | hsa_Fid | rgb*Fid             | LabCh*Fid        | cmyn*sep_Fid        | cmyn*Fid            | haxn_id | rgb*Fid          | LabCh*Fid        | delta       |
|-----|-----------------|---------------------|---------------------|---------|---------------------|------------------|---------------------|---------------------|---------|------------------|------------------|-------------|
| 567 | R00Y,087,087,ad | 0.875, 0.0, 0.0     | 0.875, 0.875, 0.437 | 390     | 0.875, 0.0, 0.116   | 42.8, 62.0, 39.2 | 0.171, 0.983, 0.994 | 0.171, 0.983, 0.994 | 389     | 1.0, 0.0, 0.0    | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 568 | R36Y,087,087,ad | 0.875, 0.0, 0.125   | 0.875, 0.875, 0.437 | 382     | 0.875, 0.0, 0.116   | 42.9, 62.0, 34.7 | 0.171, 0.983, 0.883 | 0.171, 0.983, 0.883 | 382     | 1.0, 0.0, 0.133  | 45.4, 71.5, 39.7 | 81.8, 29.0  |
| 569 | R23Y,087,087,ad | 0.875, 0.0, 0.25    | 0.875, 0.875, 0.437 | 374     | 0.875, 0.0, 0.233   | 43.0, 63.2, 29.5 | 0.173, 0.986, 0.775 | 0.173, 0.986, 0.775 | 375     | 1.0, 0.0, 0.266  | 45.6, 72.3, 33.8 | 79.8, 25.0  |
| 570 | R09Y,087,087,ad | 0.875, 0.0, 0.375   | 0.875, 0.875, 0.437 | 365     | 0.875, 0.0, 0.364   | 43.1, 64.2, 22.7 | 0.174, 0.984, 0.637 | 0.174, 0.984, 0.637 | 365     | 1.0, 0.0, 0.416  | 45.8, 73.4, 25.9 | 77.9, 19.4  |
| 571 | B70K,087,087,ad | 0.875, 0.0, 0.5     | 0.875, 0.875, 0.437 | 355     | 0.875, 0.0, 0.51    | 43.2, 65.8, 14.8 | 0.174, 0.982, 0.505 | 0.174, 0.982, 0.505 | 354     | 1.0, 0.0, 0.583  | 45.9, 75.2, 16.9 | 77.1, 12.7  |
| 572 | B63K,087,087,ad | 0.875, 0.0, 0.625   | 0.875, 0.875, 0.437 | 346     | 0.875, 0.0, 0.641   | 43.2, 67.8, 8.3  | 0.176, 0.986, 0.388 | 0.176, 0.986, 0.388 | 344     | 1.0, 0.0, 0.733  | 45.9, 77.0, 9.4  | 77.5, 7.0   |
| 573 | B56K,087,087,ad | 0.875, 0.0, 0.75    | 0.875, 0.875, 0.437 | 338     | 0.875, 0.0, 0.758   | 43.2, 68.4, 3.8  | 0.179, 0.985, 0.29  | 0.179, 0.985, 0.29  | 337     | 1.0, 0.0, 0.866  | 45.9, 78.1, 4.4  | 79.3, 359.8 |
| 574 | B50K,087,087,ad | 0.875, 0.0, 0.875   | 0.875, 0.875, 0.437 | 330     | 0.875, 0.0, 0.875   | 43.4, 69.4, -0.1 | 0.182, 0.984, 0.19  | 0.182, 0.984, 0.19  | 330     | 1.0, 0.0, 1.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 575 | B44K,100,100,ad | 0.875, 0.0, 1.0     | 0.875, 0.875, 0.437 | 323     | 0.883, 0.0, 1.0     | 44.3, 75.4, -4.7 | 0.185, 0.985, 0.115 | 0.185, 0.985, 0.115 | 323     | 1.0, 0.0, 1.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 576 | R13Y,087,087,ad | 0.875, 0.125, 0.0   | 0.875, 0.875, 0.437 | 38      | 0.875, 0.116, 0.0   | 46.1, 54.3, 43.6 | 0.171, 0.871, 1.0   | 0.171, 0.871, 1.0   | 37      | 1.0, 0.133, 0.0  | 49.2, 62.1, 49.8 | 79.6, 38.7  |
| 577 | R00Y,087,075,ad | 0.875, 0.125, 0.125 | 0.875, 0.75, 0.5    | 391     | 0.875, 0.125, 0.125 | 49.1, 53.2, 33.6 | 0.137, 0.846, 0.686 | 0.137, 0.846, 0.686 | 389     | 1.0, 0.0, 0.0    | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 578 | R36Y,087,075,ad | 0.875, 0.125, 0.25  | 0.875, 0.75, 0.5    | 381     | 0.875, 0.125, 0.237 | 49.1, 53.2, 29.2 | 0.137, 0.846, 0.592 | 0.137, 0.846, 0.592 | 382     | 1.0, 0.0, 0.015  | 45.5, 71.6, 39.0 | 81.5, 28.5  |
| 579 | R23Y,087,075,ad | 0.875, 0.125, 0.375 | 0.875, 0.75, 0.5    | 371     | 0.875, 0.125, 0.362 | 49.3, 54.5, 23.4 | 0.138, 0.846, 0.48  | 0.138, 0.846, 0.48  | 371     | 1.0, 0.0, 0.0316 | 45.7, 72.6, 31.2 | 79.1, 23.2  |
| 580 | R09Y,087,075,ad | 0.875, 0.125, 0.5   | 0.875, 0.75, 0.5    | 360     | 0.875, 0.125, 0.5   | 49.4, 55.6, 15.8 | 0.142, 0.846, 0.48  | 0.142, 0.846, 0.48  | 360     | 1.0, 0.0, 0.0    | 45.5, 74.2, 21.1 | 77.1, 15.9  |
| 581 | B65K,087,075,ad | 0.875, 0.125, 0.625 | 0.875, 0.75, 0.5    | 349     | 0.875, 0.125, 0.637 | 49.4, 57.3, 8.9  | 0.143, 0.852, 0.374 | 0.143, 0.852, 0.374 | 348     | 1.0, 0.0, 0.0    | 45.6, 76.4, 11.9 | 77.3, 8.9   |
| 582 | B57K,087,075,ad | 0.875, 0.125, 0.75  | 0.875, 0.75, 0.5    | 339     | 0.875, 0.125, 0.762 | 49.4, 58.5, 3.7  | 0.147, 0.853, 0.275 | 0.147, 0.853, 0.275 | 337     | 1.0, 0.0, 0.085  | 45.9, 78.0, 5.0  | 78.2, 3.7   |
| 583 | B50K,087,075,ad | 0.875, 0.125, 0.875 | 0.875, 0.75, 0.5    | 330     | 0.875, 0.125, 0.875 | 49.5, 59.4, -4.6 | 0.151, 0.855, 0.186 | 0.151, 0.855, 0.186 | 330     | 1.0, 0.0, 0.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 584 | B43K,100,100,ad | 0.875, 0.125, 1.0   | 0.875, 0.875, 0.437 | 322     | 0.883, 0.125, 1.0   | 50.5, 65.5, -4.6 | 0.155, 0.859, 0.101 | 0.155, 0.859, 0.101 | 322     | 1.0, 0.0, 0.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 585 | R26Y,087,087,ad | 0.875, 0.25, 0.0    | 0.875, 0.875, 0.437 | 46      | 0.875, 0.233, 0.0   | 50.6, 44.1, 49.4 | 0.167, 0.753, 1.0   | 0.167, 0.753, 1.0   | 44      | 1.0, 0.286, 0.0  | 54.4, 50.4, 56.5 | 75.7, 48.2  |
| 586 | R15Y,087,075,ad | 0.875, 0.25, 0.125  | 0.875, 0.75, 0.5    | 39      | 0.875, 0.237, 0.125 | 52.4, 45.5, 38.0 | 0.135, 0.764, 0.797 | 0.135, 0.764, 0.797 | 37      | 1.0, 0.015, 0.0  | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 587 | R00Y,087,062,ad | 0.875, 0.25, 0.25   | 0.875, 0.875, 0.437 | 36      | 0.875, 0.25, 0.233  | 52.4, 45.5, 33.0 | 0.135, 0.764, 0.604 | 0.135, 0.764, 0.604 | 389     | 1.0, 0.0, 0.0    | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 588 | R31Y,087,062,ad | 0.875, 0.25, 0.375  | 0.875, 0.875, 0.437 | 370     | 0.875, 0.25, 0.364  | 55.4, 44.9, 23.4 | 0.106, 0.733, 0.537 | 0.106, 0.733, 0.537 | 380     | 1.0, 0.0, 0.0183 | 45.5, 71.8, 37.5 | 81.0, 27.5  |
| 589 | R09Y,087,062,ad | 0.875, 0.25, 0.5    | 0.875, 0.875, 0.437 | 367     | 0.875, 0.25, 0.489  | 55.6, 45.6, 17.4 | 0.106, 0.733, 0.447 | 0.106, 0.733, 0.447 | 367     | 1.0, 0.0, 0.0363 | 45.8, 73.0, 27.8 | 78.2, 20.8  |
| 590 | B60K,087,062,ad | 0.875, 0.25, 0.625  | 0.875, 0.875, 0.437 | 353     | 0.875, 0.25, 0.635  | 55.7, 47.2, 9.5  | 0.112, 0.74, 0.346  | 0.112, 0.74, 0.346  | 367     | 1.0, 0.0, 0.0616 | 46.0, 75.5, 15.2 | 77.1, 11.4  |
| 591 | B59K,087,062,ad | 0.875, 0.25, 0.75   | 0.875, 0.875, 0.437 | 341     | 0.875, 0.25, 0.76   | 55.9, 48.6, 3.9  | 0.113, 0.745, 0.248 | 0.113, 0.745, 0.248 | 359     | 1.0, 0.0, 0.0816 | 46.0, 76.6, 14.6 | 78.0, 16.0  |
| 592 | B42K,100,100,ad | 0.875, 0.25, 0.875  | 0.875, 0.875, 0.437 | 321     | 0.883, 0.25, 0.875  | 56.1, 50.1, 55.5 | 0.113, 0.745, 0.186 | 0.113, 0.745, 0.186 | 329     | 1.0, 0.0, 0.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 593 | R13Y,087,087,ad | 0.875, 0.375, 0.0   | 0.875, 0.875, 0.437 | 55      | 0.875, 0.362, 0.0   | 56.4, 44.4, 56.2 | 0.163, 0.625, 1.0   | 0.163, 0.625, 1.0   | 54      | 1.0, 0.0, 0.0    | 61.0, 36.6, 64.5 | 74.3, -5.9  |
| 594 | R00Y,087,087,ad | 0.875, 0.375, 0.125 | 0.875, 0.875, 0.437 | 49      | 0.875, 0.362, 0.125 | 57.4, 34.3, 44.4 | 0.163, 0.625, 0.826 | 0.163, 0.625, 0.826 | 48      | 1.0, 0.0316, 0.0 | 61.0, 36.6, 64.5 | 74.3, -5.9  |
| 595 | R36Y,087,087,ad | 0.875, 0.375, 0.25  | 0.875, 0.875, 0.437 | 40      | 0.875, 0.362, 0.25  | 58.9, 36.1, 32.8 | 0.137, 0.634, 0.826 | 0.137, 0.634, 0.826 | 39      | 1.0, 0.0, 0.0    | 51.1, 57.8, 48.9 | 59.2, 74.9  |
| 596 | R23Y,087,087,ad | 0.875, 0.375, 0.375 | 0.875, 0.875, 0.437 | 36      | 0.875, 0.362, 0.375 | 61.6, 35.4, 22.4 | 0.111, 0.641, 0.651 | 0.111, 0.641, 0.651 | 39      | 1.0, 0.0, 0.0    | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 597 | R09Y,087,087,ad | 0.875, 0.375, 0.5   | 0.875, 0.875, 0.437 | 361     | 0.875, 0.375, 0.5   | 61.7, 36.0, 17.6 | 0.109, 0.646, 0.479 | 0.109, 0.646, 0.479 | 369     | 1.0, 0.0, 0.0    | 45.4, 70.9, 44.8 | 83.9, 32.3  |
| 598 | R26Y,087,087,ad | 0.875, 0.375, 0.625 | 0.875, 0.875, 0.437 | 376     | 0.875, 0.375, 0.625 | 61.8, 37.1, 10.5 | 0.104, 0.615, 0.327 | 0.104, 0.615, 0.327 | 377     | 1.0, 0.0, 0.0233 | 45.6, 72.1, 35.3 | 80.3, 26.1  |
| 599 | R09Y,087,087,ad | 0.875, 0.375, 0.75  | 0.875, 0.875, 0.437 | 360     | 0.875, 0.375, 0.758 | 61.8, 37.1, 10.5 | 0.104, 0.615, 0.227 | 0.104, 0.615, 0.227 | 360     | 1.0, 0.0, 0.0    | 45.5, 74.2, 21.1 | 77.1, 15.9  |
| 600 | B60K,087,087,ad | 0.875, 0.375, 0.875 | 0.875, 0.875, 0.437 | 349     | 0.875, 0.375, 0.875 | 61.9, 39.6, 4.4  | 0.109, 0.622, 0.148 | 0.109, 0.622, 0.148 | 342     | 1.0, 0.0, 0.0766 | 45.9, 77.3, 8.0  | 77.7, 5.9   |
| 601 | B50K,087,087,ad | 0.875, 0.375, 1.0   | 0.875, 0.875, 0.437 | 319     | 0.885, 0.375, 1.0   | 62.8, 45.8, -4.4 | 0.099, 0.648, 0.007 | 0.099, 0.648, 0.007 | 330     | 1.0, 0.0, 0.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 602 | B40K,100,100,ad | 0.875, 0.375, 1.0   | 0.875, 0.875, 0.437 | 319     | 0.885, 0.375, 1.0   | 64.0, 17.7, 65.2 | 0.099, 0.648, 0.007 | 0.099, 0.648, 0.007 | 330     | 1.0, 0.0, 0.0    | 46.1, 79.3, -0.2 | 79.3, 359.8 |
| 603 | R8Y,087,087,ad  | 0.875, 0.5, 0.0     | 0.875, 0.875, 0.437 | 65      | 0.875, 0.51, 0.0    | 64.0, 17.7, 65.2 | 0.157, 0.477, 1.0   | 0.157, 0.477, 1.0   | 65      | 1.0, 0.583, 0.0  | 69.7, 20.2, 74.6 | 77.3, 74.8  |
| 604 | R00Y,087,075,ad | 0.875, 0.5, 0.125   | 0.875, 0.875, 0.437 | 53      | 0.875, 0.489, 0.125 | 64.1, 21.6, 51.5 | 0.095, 0.851, 0.851 | 0.095, 0.851, 0.851 | 52      | 1.0, 0.0, 0.0    | 64.9, 28.9, 68.5 | 74.5, 67.1  |
| 605 | R36Y,087,062,ad | 0.875, 0.5, 0.25    | 0.875, 0.875, 0.437 | 50      | 0.875, 0.489, 0.25  | 64.1, 24.7, 39.1 | 0.095, 0.851, 0.704 | 0.095, 0.851, 0.704 | 50      | 1.0, 0.0, 0.0    | 64.9, 28.9, 68.5 | 74.5, 67.1  |
| 606 | R23Y,087,062,ad | 0.875, 0.5, 0.375   | 0.875, 0.875, 0.437 | 44      | 0.875, 0.491, 0.375 | 65.4, 26.7, 27.4 | 0.095, 0.851, 0.512 | 0.095, 0.851, 0.512 | 42      | 1.0, 0.0, 0.0    | 64.9, 28.9, 68.5 | 74.5, 67.1  |
| 607 | R09Y,087,062,ad | 0.875, 0.5, 0.5     | 0.875, 0.875, 0.437 | 390     | 0.875, 0.491, 0.5   | 67.9, 16.8, 31.4 | 0.086, 0.886, 0.38  | 0.086, 0.886, 0.38  | 389     | 1.0, 0.0, 0.0    | 64.9, 28.9, 68.5 | 74.5, 67.1  |
| 608 | R18Y,087,037,ad | 0.875, 0.5, 0.625   | 0.875, 0.875, 0.437 | 368     | 0.875, 0.5, 0.618   | 68.0, 27.2, 11.7 | 0.086, 0.886, 0.279 | 0.086, 0.886, 0.279 | 371     | 1.0, 0.0, 0.0316 | 45.7, 72.6, 31.2 | 79.1, 23.2  |
| 609 | B65K,087,037,ad | 0.875, 0.5, 0.75    | 0.875, 0.875, 0.437 | 349     | 0.875, 0.5, 0.756   | 68.1, 28.6, 4.4  | 0.086, 0.886, 0.186 | 0.086, 0.886, 0.186 | 348     | 1.0, 0.0, 0.0683 | 45.9, 7          |             |



TUB-test chart PN17; colour rendering colors and differences,  $\Delta E^*$ ,  $3D=1$ ,  $de=0$ ,  $cmv0^*$

input: *rgb/cmyk*  $\rightarrow$  *rgb<sub>dd</sub>*  
output: 3D-linearization to *cmv0\**<sub>dd</sub>

| $n$ | HFC-Fold      | $R_{ss}$ -Fold | $rgb$ -Fold | $lcr$ -Fold | $cmvrr$ - $\sigma_{sp}$ -Fold | $R_{ss}$ -Fold | $rgb$ -Fold | $LabChl$ -F <sub>old</sub> | $LabChl$ -F <sub>old</sub> | $cmvrr$ - $\sigma_{sp}$ -Fold | $R_{ss}$ -Fold | $rgb$ -Fold | $LabChl$ -F <sub>old</sub> | $LabChl$ -F <sub>old</sub> |
|-----|---------------|----------------|-------------|-------------|-------------------------------|----------------|-------------|----------------------------|----------------------------|-------------------------------|----------------|-------------|----------------------------|----------------------------|
| 648 | R00Y_100_100d | 1.0            | 0.0         | 0.0         | 1.0                           | 390            | 1.0         | 0.0                        | 45.4                       | 70.9                          | 44.8           | 83.9        | 32.3                       | 32.3                       |
| 649 | R38Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 383            | 1.0         | 0.0                        | 0.116                      | 71.4                          | 40.4           | 82.1        | 29.5                       | 40.4                       |
| 650 | R26Y_100_100d | 1.0            | 0.0         | 0.125       | 1.0                           | 383            | 1.0         | 0.0                        | 0.116                      | 71.4                          | 40.4           | 82.1        | 29.5                       | 40.4                       |
| 651 | R13Y_100_100d | 1.0            | 0.0         | 0.25        | 1.0                           | 377            | 1.0         | 0.0                        | 0.233                      | 45.6                          | 72.1           | 35.3        | 80.3                       | 26.1                       |
| 652 | R00Y_100_100d | 1.0            | 0.0         | 0.375       | 1.0                           | 368            | 1.0         | 0.0                        | 0.366                      | 45.6                          | 72.1           | 35.3        | 80.3                       | 26.1                       |
| 653 | R68R_100_100d | 1.0            | 0.0         | 0.5         | 1.0                           | 360            | 1.0         | 0.0                        | 0.366                      | 45.6                          | 72.1           | 35.3        | 80.3                       | 26.1                       |
| 654 | B61R_100_100d | 1.0            | 0.0         | 0.625       | 1.0                           | 351            | 1.0         | 0.0                        | 0.633                      | 46.0                          | 75.7           | 14.4        | 77.1                       | 15.9                       |
| 655 | B55R_100_100d | 1.0            | 0.0         | 0.75        | 1.0                           | 354            | 1.0         | 0.0                        | 0.766                      | 45.9                          | 77.3           | 8.0         | 77.7                       | 5.9                        |
| 656 | B50R_100_100d | 1.0            | 0.0         | 0.875       | 1.0                           | 337            | 1.0         | 0.0                        | 0.883                      | 45.9                          | 78.3           | 3.8         | 78.4                       | 2.8                        |
| 657 | R11Y_100_100d | 1.0            | 0.0         | 1.0         | 0.5                           | 330            | 1.0         | 0.0                        | 1.0                        | 46.1                          | 79.3           | -0.2        | 79.3                       | 359.8                      |
| 658 | R00Y_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 390            | 1.0         | 0.125                      | 0.125                      | 51.7                          | 62.3           | 39.2        | 63.3                       | 49.1                       |
| 659 | R36Y_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 382            | 1.0         | 0.125                      | 0.125                      | 51.8                          | 62.5           | 34.7        | 71.6                       | 29.0                       |
| 660 | R23Y_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 365            | 1.0         | 0.125                      | 0.389                      | 51.9                          | 63.2           | 29.5        | 68.8                       | 32.3                       |
| 661 | R00Y_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 365            | 1.0         | 0.125                      | 0.458                      | 52.0                          | 68.1           | 19.4        | 73.4                       | 25.9                       |
| 662 | B70R_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 355            | 1.0         | 0.125                      | 0.562                      | 52.1                          | 65.8           | 14.8        | 67.4                       | 12.7                       |
| 663 | B63R_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 344            | 1.0         | 0.125                      | 0.766                      | 52.1                          | 65.8           | 14.8        | 67.4                       | 12.7                       |
| 664 | B56R_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 338            | 1.0         | 0.125                      | 0.883                      | 52.1                          | 68.4           | 3.8         | 68.5                       | 7.0                        |
| 665 | B50R_100_100d | 1.0            | 0.125       | 1.0         | 0.875                         | 330            | 1.0         | 0.125                      | 1.0                        | 52.3                          | 69.4           | -0.1        | 69.4                       | 359.8                      |
| 666 | R23Y_100_100d | 1.0            | 0.25        | 1.0         | 0.5                           | 44             | 1.0         | 0.233                      | 0.0                        | 53.0                          | 53.4           | 54.8        | 76.5                       | 45.7                       |
| 667 | R13Y_100_100d | 1.0            | 0.25        | 1.0         | 0.5                           | 38             | 1.0         | 0.241                      | 0.125                      | 55.0                          | 54.3           | 54.8        | 76.5                       | 45.7                       |
| 668 | R00Y_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 390            | 1.0         | 0.25                       | 0.362                      | 58.0                          | 53.2           | 33.6        | 62.9                       | 32.3                       |
| 669 | R35Y_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 381            | 1.0         | 0.25                       | 0.362                      | 58.0                          | 53.2           | 33.6        | 62.9                       | 32.3                       |
| 670 | R18Y_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 367            | 1.0         | 0.25                       | 0.487                      | 58.2                          | 54.5           | 23.4        | 59.3                       | 23.2                       |
| 671 | R00Y_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 360            | 1.0         | 0.25                       | 0.625                      | 58.3                          | 55.6           | 15.8        | 57.8                       | 15.9                       |
| 672 | B65R_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 349            | 1.0         | 0.25                       | 0.887                      | 58.3                          | 57.3           | 8.9         | 58.0                       | 3.7                        |
| 673 | B57R_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 339            | 1.0         | 0.25                       | 1.0                        | 58.4                          | 59.4           | -0.1        | 59.4                       | 359.8                      |
| 674 | B50R_100_100d | 1.0            | 0.25        | 1.0         | 0.75                          | 330            | 1.0         | 0.25                       | 0.366                      | 0.0                           | 58.4           | 61.7        | 58.3                       | 61.7                       |
| 675 | R36Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 32             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 676 | R00Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 677 | R18Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 678 | R00Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 679 | R11Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 680 | R11Y_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 681 | B69R_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 682 | B50R_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 683 | B50R_100_100d | 1.0            | 0.375       | 1.0         | 0.625                         | 30             | 1.0         | 0.366                      | 0.0                        | 58.4                          | 61.7           | 58.3        | 61.7                       | 58.3                       |
| 684 | B50Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 685 | R41Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 686 | R31Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 687 | R00Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 688 | R00Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 689 | R00Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 690 | R00Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 691 | B61R_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 692 | R63Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 693 | R33Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 694 | R33Y_100_100d | 1.0            | 0.5         | 1.0         | 0.5                           | 60             | 1.0         | 0.5                        | 0.0                        | 64.6                          | 49.5           | -0.1        | 49.5                       | 359.8                      |
| 695 | R50Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 696 | R50Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 697 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 698 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 699 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 700 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 701 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 702 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 703 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 704 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 705 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 706 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 707 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 708 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 709 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 710 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 711 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 712 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 713 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 714 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 715 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 716 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 717 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 718 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 719 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 720 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 721 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 722 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 723 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 724 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 725 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 726 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 727 | R38Y_100_100d | 1.0            | 0.625       | 1.0         | 0.875                         | 65             | 1.0         | 0.635                      | 0.125                      | 72.9                          | 17.7           | 65.2        | 67.6                       | 74.8                       |
| 728 | NW_100d       | 1.0            | 1.0         | 1.0         | 1.0                           | 360            | 1.0         | 1.0                        | 1.0                        | 95.6                          | 0.0            | 0.0         | 0.0                        | 0.0                        |

| n   | H1C*Fid        | rgb_Fid | icd_Fid | hsa_Fid | rgb*Fid | LabC*Fid | cmy0*Fid | cmy0*Fid | rgbbd | hsa_bdd | LabC*Fid | delta |
|-----|----------------|---------|---------|---------|---------|----------|----------|----------|-------|---------|----------|-------|
| 729 | NW_1000ad      | 0.875   | 1.0     | 1.0     | 1.0     | 95.6     | 0.0      | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 730 | G50B_100.012ad | 0.875   | 1.0     | 1.0     | 1.0     | 90.7     | -3.1     | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 731 | G50B_100.025ad | 0.875   | 1.0     | 1.0     | 1.0     | 85.9     | -6.3     | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 732 | G50B_100.037ad | 0.875   | 1.0     | 1.0     | 1.0     | 81.1     | -9.5     | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 733 | G50B_100.050ad | 0.875   | 1.0     | 1.0     | 1.0     | 76.2     | -12.7    | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 734 | G50B_100.062ad | 0.875   | 1.0     | 1.0     | 1.0     | 71.3     | -15.9    | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 735 | G50B_100.075ad | 0.875   | 1.0     | 1.0     | 1.0     | 66.5     | -19.1    | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 736 | G50B_100.087ad | 0.875   | 1.0     | 1.0     | 1.0     | 61.6     | -22.3    | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 737 | G50B_100.100ad | 0.875   | 1.0     | 1.0     | 1.0     | 56.8     | -25.5    | 0.0      | 1.0   | 210     | 56.8     | -25.5 |
| 738 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 89.3     | 8.8      | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 739 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 84.4     | 5.6      | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 740 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 79.5     | 2.4      | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 741 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 74.6     | -0.8     | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 742 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 69.7     | -4.0     | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 743 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 64.8     | -7.2     | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 744 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 59.9     | -10.4    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 745 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 55.0     | -13.6    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 746 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 50.1     | -16.8    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 747 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 45.2     | -19.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 748 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 40.3     | -23.1    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 749 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 35.4     | -26.3    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 750 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 30.5     | -29.5    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 751 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 25.6     | -32.7    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 752 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 20.7     | -35.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 753 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 15.8     | -39.1    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 754 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 10.9     | -42.3    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 755 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 6.0      | -45.5    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 756 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 1.1      | -48.7    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 757 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -51.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 758 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -55.1    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 759 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -58.3    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 760 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -61.5    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 761 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -64.7    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 762 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -67.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 763 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -71.1    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 764 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -74.3    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 765 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -77.5    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 766 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -80.7    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 767 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -83.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 768 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -87.1    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 769 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -90.3    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 770 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -93.5    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 771 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -96.7    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 772 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -99.9    | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 773 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -103.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 774 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -106.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 775 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -109.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 776 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -112.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 777 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -115.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 778 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -119.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 779 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -122.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 780 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -125.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 781 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -128.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 782 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -131.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 783 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -135.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 784 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -138.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 785 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -141.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 786 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -144.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 787 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -147.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 788 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -151.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 789 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -154.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 790 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -157.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 791 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -160.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 792 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -163.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 793 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -167.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 794 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -170.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 795 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -173.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 796 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -176.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 797 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -179.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 798 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -183.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 799 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -186.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 800 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -189.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 801 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -192.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 802 | ROY_100.012ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -195.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 803 | ROY_100.025ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -199.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 804 | ROY_100.037ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -202.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 805 | ROY_100.050ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -205.5   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 806 | ROY_100.062ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -208.7   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 807 | ROY_100.075ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -211.9   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 808 | ROY_100.087ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -215.1   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |
| 809 | ROY_100.100ad  | 0.875   | 1.0     | 1.0     | 1.0     | 0.0      | -218.3   | 0.0      | 1.0   | 360     | 95.6     | 0.0   |



TUB material: code=rha4ta  
ny0\* (CMY0)

input: *rgb/cmyk*  $\rightarrow$  *rgb<sub>dd</sub>*  
output: 3D-linearization to *cmy0\*<sub>dd</sub>*

|              |                  |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5-1031831-F0 | PN170-7N, 1972-F |  <p>TUB-test chart PN17; colour rendering colors and differences, <math>\Delta E^*</math>, 3D=1, de=0, <math>cmv0^*</math></p> <p>input: <math>rgb/cmyk \rightarrow rgb</math><br/> output: 3D-linearization to <math>cmv0^*</math></p>  |
|--------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

2N170-7N 19/22-E

5-1031831-F0

TUB-test chart PN17; colour rendering colors and differences,  $\Delta E^*$ , 3D=1, de=

see similar files: <http://130.149.60.45/~farbmatrik/PN17/PN17.HTM>  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmatrik>

| n   | H1C*Fid        | rgb_Fid | icr_Fid | hsa_Fid | rgb*Fid | LabCH*Fid | cmy0*sep_Fid | delta | rgbb*Fid | hsa*Fid | LabCH*Fid |
|-----|----------------|---------|---------|---------|---------|-----------|--------------|-------|----------|---------|-----------|
| 891 | NW_1000ad      | 1.0     | 1.0     | 1.0     | 1.0     | 95.6      | 0.0          | 0.0   | 1.0      | 360     | 95.6      |
| 892 | B50R_100.012ad | 0.875   | 1.0     | 0.875   | 1.0     | 89.4      | 0.0          | 0.0   | 1.0      | 330     | 89.4      |
| 893 | B50R_100.025ad | 0.75    | 1.0     | 0.75    | 1.0     | 83.2      | 0.0          | 0.0   | 1.0      | 330     | 83.2      |
| 894 | B50R_100.037ad | 0.625   | 1.0     | 0.625   | 1.0     | 77.0      | 0.0          | 0.0   | 1.0      | 330     | 77.0      |
| 895 | B50R_100.050ad | 0.5     | 1.0     | 0.5     | 1.0     | 70.8      | 0.0          | 0.0   | 1.0      | 330     | 70.8      |
| 896 | B50R_100.062ad | 0.375   | 1.0     | 0.375   | 1.0     | 64.6      | 0.0          | 0.0   | 1.0      | 330     | 64.6      |
| 897 | B50R_100.075ad | 0.25    | 1.0     | 0.25    | 1.0     | 58.4      | 0.0          | 0.0   | 1.0      | 330     | 58.4      |
| 898 | B50R_100.087ad | 0.125   | 1.0     | 0.125   | 1.0     | 52.3      | 0.0          | 0.0   | 1.0      | 330     | 52.3      |
| 899 | B50R_100.100ad | 0.0     | 1.0     | 0.0     | 1.0     | 46.1      | 0.0          | 0.0   | 1.0      | 330     | 46.1      |
| 900 | COB_100.012ad  | 0.875   | 1.0     | 0.875   | 1.0     | 89.4      | 0.0          | 0.0   | 1.0      | 330     | 89.4      |
| 901 | NW_087ad       | 0.875   | 0.875   | 0.875   | 0.875   | 86.7      | 0.0          | 0.0   | 1.0      | 360     | 86.7      |
| 902 | B50R_087.012ad | 0.875   | 0.75    | 0.875   | 0.75    | 80.5      | 0.0          | 0.0   | 1.0      | 330     | 80.5      |
| 903 | B50R_087.025ad | 0.875   | 0.625   | 0.875   | 0.625   | 74.3      | 0.0          | 0.0   | 1.0      | 330     | 74.3      |
| 904 | B50R_087.037ad | 0.875   | 0.5     | 0.875   | 0.5     | 68.1      | 0.0          | 0.0   | 1.0      | 330     | 68.1      |
| 905 | B50R_087.050ad | 0.875   | 0.375   | 0.875   | 0.375   | 61.9      | 0.0          | 0.0   | 1.0      | 330     | 61.9      |
| 906 | B50R_087.062ad | 0.875   | 0.25    | 0.875   | 0.25    | 55.7      | 0.0          | 0.0   | 1.0      | 330     | 55.7      |
| 907 | B50R_087.075ad | 0.875   | 0.125   | 0.875   | 0.125   | 49.5      | 0.0          | 0.0   | 1.0      | 330     | 49.5      |
| 908 | B50R_087.087ad | 0.875   | 0.0     | 0.875   | 0.0     | 43.4      | 0.0          | 0.0   | 1.0      | 330     | 43.4      |
| 909 | COB_100.025ad  | 0.75    | 1.0     | 0.75    | 1.0     | 84.2      | 0.0          | 0.0   | 1.0      | 330     | 84.2      |
| 910 | COB_100.037ad  | 0.625   | 1.0     | 0.625   | 1.0     | 78.0      | 0.0          | 0.0   | 1.0      | 330     | 78.0      |
| 911 | NW_075ad       | 0.75    | 0.75    | 0.75    | 0.75    | 77.8      | 0.0          | 0.0   | 1.0      | 360     | 77.8      |
| 912 | B50R_075.012ad | 0.75    | 0.625   | 0.75    | 0.625   | 71.6      | 0.0          | 0.0   | 1.0      | 330     | 71.6      |
| 913 | B50R_075.025ad | 0.75    | 0.5     | 0.75    | 0.5     | 65.4      | 0.0          | 0.0   | 1.0      | 330     | 65.4      |
| 914 | B50R_075.037ad | 0.75    | 0.375   | 0.75    | 0.375   | 59.2      | 0.0          | 0.0   | 1.0      | 330     | 59.2      |
| 915 | B50R_075.050ad | 0.75    | 0.25    | 0.75    | 0.25    | 53.0      | 0.0          | 0.0   | 1.0      | 330     | 53.0      |
| 916 | B50R_075.062ad | 0.75    | 0.125   | 0.75    | 0.125   | 46.8      | 0.0          | 0.0   | 1.0      | 330     | 46.8      |
| 917 | B50R_075.075ad | 0.75    | 0.0     | 0.75    | 0.0     | 40.6      | 0.0          | 0.0   | 1.0      | 330     | 40.6      |
| 918 | COB_100.037ad  | 0.625   | 1.0     | 0.625   | 1.0     | 78.0      | 0.0          | 0.0   | 1.0      | 330     | 78.0      |
| 919 | COB_100.050ad  | 0.5     | 1.0     | 0.5     | 1.0     | 72.8      | 0.0          | 0.0   | 1.0      | 330     | 72.8      |
| 920 | COB_100.062ad  | 0.375   | 1.0     | 0.375   | 1.0     | 66.6      | 0.0          | 0.0   | 1.0      | 330     | 66.6      |
| 921 | COB_100.075ad  | 0.25    | 1.0     | 0.25    | 1.0     | 60.4      | 0.0          | 0.0   | 1.0      | 330     | 60.4      |
| 922 | B50R_062.012ad | 0.625   | 0.625   | 0.625   | 0.625   | 62.9      | 0.0          | 0.0   | 1.0      | 360     | 62.9      |
| 923 | B50R_062.025ad | 0.625   | 0.5     | 0.625   | 0.5     | 56.7      | 0.0          | 0.0   | 1.0      | 330     | 56.7      |
| 924 | B50R_062.037ad | 0.625   | 0.375   | 0.625   | 0.375   | 50.5      | 0.0          | 0.0   | 1.0      | 330     | 50.5      |
| 925 | B50R_062.050ad | 0.625   | 0.25    | 0.625   | 0.25    | 44.3      | 0.0          | 0.0   | 1.0      | 330     | 44.3      |
| 926 | B50R_062.062ad | 0.625   | 0.125   | 0.625   | 0.125   | 38.1      | 0.0          | 0.0   | 1.0      | 330     | 38.1      |
| 927 | COB_100.050ad  | 0.5     | 1.0     | 0.5     | 1.0     | 72.8      | 0.0          | 0.0   | 1.0      | 330     | 72.8      |
| 928 | COB_087.037ad  | 0.5     | 0.875   | 0.5     | 0.875   | 69.6      | 0.0          | 0.0   | 1.0      | 330     | 69.6      |
| 929 | B50R_075.025ad | 0.5     | 0.75    | 0.5     | 0.75    | 63.4      | 0.0          | 0.0   | 1.0      | 330     | 63.4      |
| 930 | COB_062.012ad  | 0.5     | 0.625   | 0.5     | 0.625   | 57.2      | 0.0          | 0.0   | 1.0      | 330     | 57.2      |
| 931 | NW_050ad       | 0.5     | 0.5     | 0.5     | 0.5     | 56.0      | 0.0          | 0.0   | 1.0      | 360     | 56.0      |
| 932 | B50R_050.012ad | 0.5     | 0.375   | 0.5     | 0.375   | 50.0      | 0.0          | 0.0   | 1.0      | 330     | 50.0      |
| 933 | B50R_050.025ad | 0.5     | 0.25    | 0.5     | 0.25    | 43.8      | 0.0          | 0.0   | 1.0      | 330     | 43.8      |
| 934 | B50R_050.037ad | 0.5     | 0.125   | 0.5     | 0.125   | 37.6      | 0.0          | 0.0   | 1.0      | 330     | 37.6      |
| 935 | B50R_050.050ad | 0.5     | 0.0     | 0.5     | 0.0     | 31.4      | 0.0          | 0.0   | 1.0      | 330     | 31.4      |
| 936 | COB_100.062ad  | 0.375   | 1.0     | 0.375   | 1.0     | 67.1      | 0.0          | 0.0   | 1.0      | 330     | 67.1      |
| 937 | COB_087.050ad  | 0.375   | 0.875   | 0.375   | 0.875   | 63.9      | 0.0          | 0.0   | 1.0      | 330     | 63.9      |
| 938 | B50R_075.037ad | 0.375   | 0.75    | 0.375   | 0.75    | 57.7      | 0.0          | 0.0   | 1.0      | 330     | 57.7      |
| 939 | COB_062.025ad  | 0.375   | 0.625   | 0.375   | 0.625   | 51.5      | 0.0          | 0.0   | 1.0      | 330     | 51.5      |
| 940 | NW_037ad       | 0.375   | 0.375   | 0.375   | 0.375   | 54.3      | 0.0          | 0.0   | 1.0      | 360     | 54.3      |
| 941 | B50R_037.012ad | 0.375   | 0.25    | 0.375   | 0.25    | 48.1      | 0.0          | 0.0   | 1.0      | 330     | 48.1      |
| 942 | B50R_037.025ad | 0.375   | 0.125   | 0.375   | 0.125   | 41.9      | 0.0          | 0.0   | 1.0      | 330     | 41.9      |
| 943 | B50R_037.037ad | 0.375   | 0.0     | 0.375   | 0.0     | 35.7      | 0.0          | 0.0   | 1.0      | 330     | 35.7      |
| 944 | COB_100.075ad  | 0.25    | 1.0     | 0.25    | 1.0     | 61.4      | 0.0          | 0.0   | 1.0      | 330     | 61.4      |
| 945 | COB_087.062ad  | 0.25    | 0.875   | 0.25    | 0.875   | 58.2      | 0.0          | 0.0   | 1.0      | 330     | 58.2      |
| 946 | COB_062.050ad  | 0.25    | 0.75    | 0.25    | 0.75    | 52.0      | 0.0          | 0.0   | 1.0      | 330     | 52.0      |
| 947 | COB_062.037ad  | 0.25    | 0.625   | 0.25    | 0.625   | 45.8      | 0.0          | 0.0   | 1.0      | 330     | 45.8      |
| 948 | COB_062.025ad  | 0.25    | 0.5     | 0.25    | 0.5     | 39.6      | 0.0          | 0.0   | 1.0      | 330     | 39.6      |
| 949 | COB_062.012ad  | 0.25    | 0.375   | 0.25    | 0.375   | 33.4      | 0.0          | 0.0   | 1.0      | 330     | 33.4      |
| 950 | COB_050.012ad  | 0.25    | 0.25    | 0.25    | 0.25    | 27.2      | 0.0          | 0.0   | 1.0      | 330     | 27.2      |
| 951 | NW_025ad       | 0.25    | 0.25    | 0.25    | 0.25    | 25.0      | 0.0          | 0.0   | 1.0      | 360     | 25.0      |
| 952 | B50R_025.012ad | 0.25    | 0.125   | 0.25    | 0.125   | 18.8      | 0.0          | 0.0   | 1.0      | 330     | 18.8      |
| 953 | B50R_025.025ad | 0.25    | 0.0     | 0.25    | 0.0     | 12.6      | 0.0          | 0.0   | 1.0      | 330     | 12.6      |
| 954 | COB_100.087ad  | 0.125   | 1.0     | 0.125   | 1.0     | 55.7      | 0.0          | 0.0   | 1.0      | 330     | 55.7      |
| 955 | COB_087.075ad  | 0.125   | 0.875   | 0.125   | 0.875   | 52.5      | 0.0          | 0.0   | 1.0      | 330     | 52.5      |
| 956 | COB_062.062ad  | 0.125   | 0.75    | 0.125   | 0.75    | 46.3      | 0.0          | 0.0   | 1.0      | 330     | 46.3      |
| 957 | COB_062.050ad  | 0.125   | 0.625   | 0.125   | 0.625   | 40.1      | 0.0          | 0.0   | 1.0      | 330     | 40.1      |
| 958 | COB_050.037ad  | 0.125   | 0.5     | 0.125   | 0.5     | 33.9      | 0.0          | 0.0   | 1.0      | 330     | 33.9      |
| 959 | COB_037.025ad  | 0.125   | 0.375   | 0.125   | 0.375   | 27.7      | 0.0          | 0.0   | 1.0      | 330     | 27.7      |
| 960 | COB_025.012ad  | 0.125   | 0.25    | 0.125   | 0.25    | 21.5      | 0.0          | 0.0   | 1.0      | 330     | 21.5      |
| 961 | NW_012ad       | 0.125   | 0.125   | 0.125   | 0.125   | 15.3      | 0.0          | 0.0   | 1.0      | 360     | 15.3      |
| 962 | B50R_012.012ad | 0.125   | 0.0     | 0.125   | 0.0     | 9.1       | 0.0          | 0.0   | 1.0      | 330     | 9.1       |
| 963 | COB_100.100ad  | 0.0     | 1.0     | 0.0     | 1.0     | 50.0      | 0.0          | 0.0   | 1.0      | 330     | 50.0      |
| 964 | COB_087.087ad  | 0.0     | 0.875   | 0.0     | 0.875   | 46.8      | 0.0          | 0.0   | 1.0      | 330     | 46.8      |
| 965 | COB_075.075ad  | 0.0     | 0.75    | 0.0     | 0.75    | 40.6      | 0.0          | 0.0   | 1.0      | 330     | 40.6      |
| 966 | COB_062.062ad  | 0.0     | 0.625   | 0.0     | 0.625   | 34.4      | 0.0          | 0.0   | 1.0      | 330     | 34.4      |
| 967 | COB_050.050ad  | 0.0     | 0.5     | 0.0     | 0.5     | 28.2      | 0.0          | 0.0   | 1.0      | 330     | 28.2      |
| 968 | COB_037.037ad  | 0.0     | 0.375   | 0.0     | 0.375   | 22.0      | 0.0          | 0.0   | 1.0      | 330     | 22.0      |
| 969 | COB_025.025ad  | 0.0     | 0.25    | 0.0     | 0.25    | 15.8      | 0.0          | 0.0   | 1.0      | 330     | 15.8      |
| 970 | COB_012.012ad  | 0.0     | 0.125   | 0.0     | 0.125   | 9.6       | 0.0          | 0.0   | 1.0      | 330     | 9.6       |
| 971 | NW_000ad       | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 0.0          | 0.0   | 1.0      | 360     | 24.3      |

| n    | HC*Fid   | rgb_Fid | icr_Fid | hsa_Fid | rgb*Fid | LabCH*Fid | cmyn*_sep_Fid | hsa_id | rgb*_id | LabCH*_id |
|------|----------|---------|---------|---------|---------|-----------|---------------|--------|---------|-----------|
| 972  | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 973  | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 974  | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 975  | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 976  | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 977  | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 978  | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 979  | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 980  | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 981  | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 982  | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 983  | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 984  | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 985  | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 986  | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 987  | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 988  | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 989  | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 990  | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 991  | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 992  | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 993  | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 994  | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 995  | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 996  | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 997  | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 998  | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 999  | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1000 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1001 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1002 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1003 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1004 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1005 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1006 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1007 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 1008 | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1009 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1010 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1011 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1012 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1013 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1014 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1015 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1016 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 1017 | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1018 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1019 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1020 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1021 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1022 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1023 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1024 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1025 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 1026 | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1027 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1028 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1029 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1030 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1031 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1032 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1033 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1034 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 1035 | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1036 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1037 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1038 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1039 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1040 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1041 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1042 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1043 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |
| 1044 | NW_000ad | 0.0     | 0.0     | 0.0     | 0.0     | 24.3      | 1.0           | 360    | 1.0     | 95.6      |
| 1045 | NW_012ad | 0.125   | 0.125   | 0.125   | 0.0     | 24.3      | 0.885         | 360    | 1.0     | 95.6      |
| 1046 | NW_025ad | 0.25    | 0.25    | 0.25    | 0.0     | 24.3      | 0.774         | 360    | 1.0     | 95.6      |
| 1047 | NW_037ad | 0.375   | 0.375   | 0.375   | 0.0     | 24.3      | 0.587         | 360    | 1.0     | 95.6      |
| 1048 | NW_050ad | 0.5     | 0.5     | 0.5     | 0.0     | 24.3      | 0.432         | 360    | 1.0     | 95.6      |
| 1049 | NW_062ad | 0.625   | 0.625   | 0.625   | 0.0     | 24.3      | 0.362         | 360    | 1.0     | 95.6      |
| 1050 | NW_075ad | 0.75    | 0.75    | 0.75    | 0.0     | 24.3      | 0.26          | 360    | 1.0     | 95.6      |
| 1051 | NW_087ad | 0.875   | 0.875   | 0.875   | 0.0     | 24.3      | 0.181         | 360    | 1.0     | 95.6      |
| 1052 | NW_100ad | 1.0     | 1.0     | 1.0     | 0.0     | 24.3      | 0.162         | 360    | 1.0     | 95.6      |

PN170-7N, 21/22-F

TUB-test chart PN17; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, cmy0\*

input: *rgb/cmyk* -> *rgb*  
output: 3D-linearization to *cmy0\**

delta

TUB registration: 20130201-PN17/PN17L0FA.TXT /.PS  
application for measurement of offset print output, separation cmy0\* (CMY0)

TUB material: code=rha4ta

| n    | HVC_Fid        | rgb_Fid | icT_Fid | hsa_Fid | rgb*_Fid | LabCH*_Fid | cmyn*_sep_Fid | cmyn*_sep_Fid | 0.099 | 0.0   | hsv*_dd | rgb*_dd | 1.0 | LabCH*_dd | 0.0   | 0.0   |
|------|----------------|---------|---------|---------|----------|------------|---------------|---------------|-------|-------|---------|---------|-----|-----------|-------|-------|
| 1053 | NW_086dd       | 0.866   | 0.866   | 0.866   | 0.866    | 86.6       | 0.0           | 0.0           | 0.099 | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1054 | NW_093dd       | 0.933   | 0.933   | 0.933   | 0.933    | 90.8       | 0.0           | 0.0           | 0.09  | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1055 | NW_100dd       | 1.0     | 1.0     | 1.0     | 1.0      | 95.6       | 0.0           | 0.0           | 0.0   | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1056 | NW_100dd       | 0.0     | 0.0     | 0.0     | 0.0      | 24.3       | 0.0           | 0.0           | 1.0   | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1057 | NW_006dd       | 0.066   | 0.066   | 0.066   | 0.066    | 29.0       | 0.0           | 0.0           | 0.935 | 0.825 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1058 | NW_013dd       | 0.133   | 0.133   | 0.133   | 0.133    | 33.8       | 0.0           | 0.0           | 0.879 | 0.763 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1059 | NW_020dd       | 0.2     | 0.2     | 0.2     | 0.2      | 38.6       | 0.0           | 0.0           | 0.799 | 0.661 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1060 | NW_026dd       | 0.266   | 0.266   | 0.266   | 0.266    | 43.3       | 0.0           | 0.0           | 0.731 | 0.571 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1061 | NW_033dd       | 0.333   | 0.333   | 0.333   | 0.333    | 48.1       | 0.0           | 0.0           | 0.682 | 0.507 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1062 | NW_040dd       | 0.4     | 0.4     | 0.4     | 0.4      | 52.8       | 0.0           | 0.0           | 0.636 | 0.454 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1063 | NW_046dd       | 0.466   | 0.466   | 0.466   | 0.466    | 57.5       | 0.0           | 0.0           | 0.574 | 0.404 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1064 | NW_053dd       | 0.533   | 0.533   | 0.533   | 0.533    | 62.3       | 0.0           | 0.0           | 0.509 | 0.354 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1065 | NW_060dd       | 0.6     | 0.6     | 0.6     | 0.6      | 67.1       | 0.0           | 0.0           | 0.442 | 0.285 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1066 | NW_066dd       | 0.666   | 0.666   | 0.666   | 0.666    | 71.8       | 0.0           | 0.0           | 0.377 | 0.228 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1067 | NW_073dd       | 0.734   | 0.734   | 0.734   | 0.734    | 76.6       | 0.0           | 0.0           | 0.314 | 0.186 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1068 | NW_080dd       | 0.8     | 0.8     | 0.8     | 0.8      | 81.3       | 0.0           | 0.0           | 0.252 | 0.153 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1069 | NW_086dd       | 0.866   | 0.866   | 0.866   | 0.866    | 86.0       | 0.0           | 0.0           | 0.173 | 0.108 | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1070 | NW_093dd       | 0.933   | 0.933   | 0.933   | 0.933    | 90.8       | 0.0           | 0.0           | 0.099 | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1071 | NW_100dd       | 1.0     | 1.0     | 1.0     | 1.0      | 95.6       | 0.0           | 0.0           | 0.0   | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1072 | NW_100dd       | 0.0     | 0.0     | 0.0     | 0.0      | 24.3       | 0.0           | 0.0           | 1.0   | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1073 | ROY_100_100dd  | 1.0     | 1.0     | 1.0     | 1.0      | 95.6       | 0.0           | 0.0           | 0.0   | 0.0   | 360     | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1074 | G50B_100_100dd | 0.0     | 0.0     | 0.0     | 0.0      | 45.4       | 70.9          | 44.8          | 1.0   | 0.0   | 389     | 1.0     | 0.0 | 45.4      | 70.9  | 44.8  |
| 1075 | Y06C_100_100dd | 0.0     | 1.0     | 1.0     | 1.0      | 56.8       | -25.5         | -41.5         | 0.0   | 0.0   | 210     | 0.0     | 1.0 | 56.8      | -25.5 | -41.5 |
| 1076 | Y06C_100_100dd | 1.0     | 1.0     | 1.0     | 1.0      | 95.6       | 0.0           | 0.0           | 0.0   | 0.0   | 89      | 1.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1077 | B06C_100_100dd | 0.0     | 0.0     | 0.0     | 0.0      | 25.0       | 29.5          | 40.4          | 0.0   | 0.0   | 270     | 0.0     | 0.0 | 25.0      | 29.5  | 40.4  |
| 1078 | B06C_100_100dd | 1.0     | 1.0     | 1.0     | 1.0      | 95.6       | 0.0           | 0.0           | 0.999 | 0.0   | 330     | 0.0     | 1.0 | 95.6      | 0.0   | 0.0   |
| 1079 | B50R_100_100dd | 1.0     | 0.0     | 1.0     | 1.0      | 46.1       | 79.3          | -0.2          | 0.0   | 0.0   | 330     | 1.0     | 0.0 | 46.1      | 79.3  | -0.2  |

delta

input: *rgb/cmyk* -> *rgbdd*  
output: 3D-linearization to *cmy0\*dd*

TUB-test chart PN17; colour rendering  
colors and differences,  $\Delta E^*$ , 3D=1, de=0, *cmy0\**

PN170-7N, 22/22-F

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