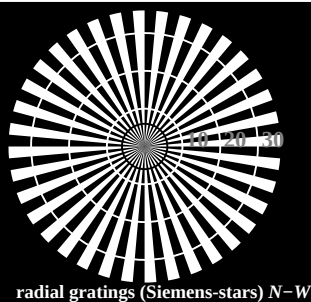
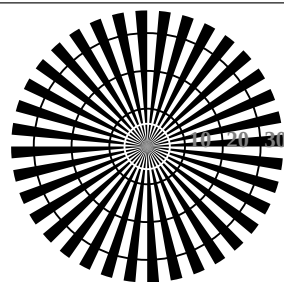


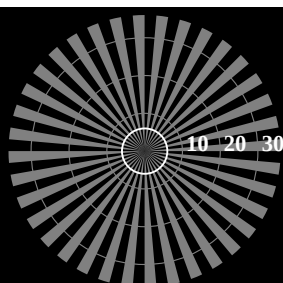
http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF /.PS; start output  
F: 3D-linearization TE78/TE78LE30FP.DAT in file (F), page 1/22



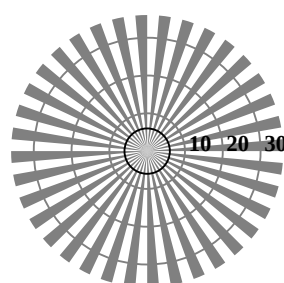
radial gratings (Siemens-stars) N-W



radial gratings (Siemens-stars) W-N



radial gratings (Siemens-stars) N-Z



radial gratings (Siemens-stars) W-Z

TE780-3, Picture C1W-: Element A: radial gratings N-W, W-N, N-Z and W-Z; PS operator: *rgb/cmy0*

|                       |           |           |           |           |           |              |              |
|-----------------------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|
| $L^*/Y_{intended}$    | 18.0/18.0 | 37.3/37.3 | 56.7/56.7 | 76.1/76.0 | 95.4/95.4 | $N_0$ (min.) | $W_1$ (max.) |
| (absolute)            |           |           |           |           |           |              |              |
| $w^*=l^*_{CIELAB, r}$ |           |           |           |           |           |              |              |
| $w^*_{input}$         | 0,000     | 0,250     | 0,500     | 0,750     | 1,000     | $N_0$ (min.) | $W_1$ (max.) |
| $w^*_{output}$        |           |           |           |           |           |              |              |

TE780-5, Picture C2W-: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N_0$  +  $W_1$ ; PS operator: *rgb/cmy0*

|                       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|-----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $L^*/Y_{intended}$    | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
| (absolute)            |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code      | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=l^*_{CIELAB, r}$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{input}$         | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{output}$        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

TE780-7, Picture C3W-: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart N

|                        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |   |                  |                              |
|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---|------------------|------------------------------|
| <i>background step</i> | 0                                                                                   |  |  |  |  |  |  |  | 1 | <i>ring step</i> | 0-1                          |
| <i>Hex code</i>        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |   | <i>Hex code</i>  |                              |
| 7                      |  |  |  |  |  |  |  |  | 8 |                  | 7-8                          |
| E                      |  |  |  |  |  |  |  |  | F |                  | E-F                          |
| 2                      |  |  |  |  |  |  |  |  | 0 |                  | 2-0                          |
| 8                      |  |  |  |  |  |  |  |  | 6 |                  | 8-6                          |
| F                      |  |  |  |  |  |  |  |  | D |                  | F-D                          |
|                        |                                                                                     | <b>Landolt-rings W-N</b>                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |   |                  | <i>code: background-ring</i> |

Landolt-rings W-N

code: background-ring

TE781-1, Picture C4W-: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*

|          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
| 120 (+8) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|          | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |

line raster diameter in lpi

TE781-3, Picture C5W-: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*

|          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|          | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
| 120 (+8) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|          | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |

line raster diameter in lpi

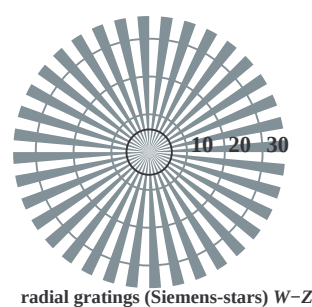
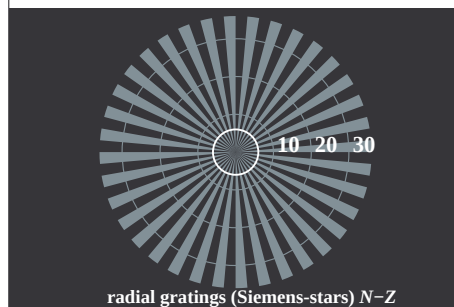
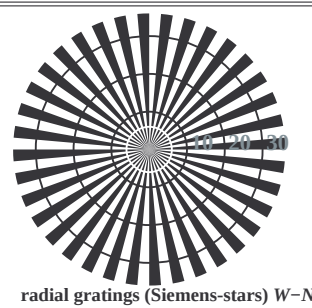
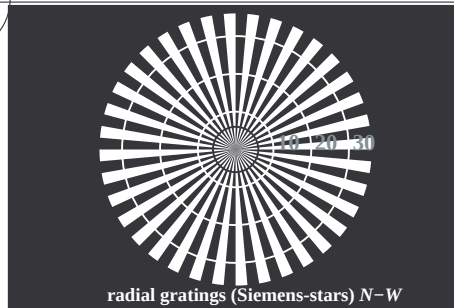
TE781-5, Picture C6W-: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*

input: *rgb/cmyk* -> *rgb/cmyk*  
output: no change

see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> /PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150901-TE78/TE78L0FP.PDF /PS  
application for measurement of offset print output, separation cmyk\* (CMY0)

TUB material: code=rha4ta



TE780-3, Picture C1Wde: Element A: radial gratings N-W, W-N, N-Z and W-Z; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$    | 18.0/18.0 | 37.3/37.3 | 56.7/56.7 | 76.1/76.0 | 95.4/95.4 | $N_0$ (min.) | $W_1$ (max.) |
|------------------------------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|
| (absolute)                   |           |           |           |           |           |              |              |
| $w^*=l^*_{\text{CIELAB}, r}$ |           |           |           |           |           |              |              |
| (relative)                   |           |           |           |           |           |              |              |
| $w^*_{\text{input}}$         | 0,000     | 0,250     | 0,500     | 0,750     | 1,000     | $N_0$ (min.) | $W_1$ (max.) |
| $w^*_{\text{output}}$        |           |           |           |           |           |              |              |

TE780-5, Picture C2Wde: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N_0$  +  $W_1$ ; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$    | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (absolute)                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code             | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=l^*_{\text{CIELAB}, r}$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| (relative)                   |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{\text{input}}$         | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{\text{output}}$        |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

TE780-7, Picture C3Wde: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*



test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart N, 3D=1, de=1, *cmyk\**

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



|                              |   |  |  |  |  |  |  |  |   |                  |                 |     |
|------------------------------|---|--|--|--|--|--|--|--|---|------------------|-----------------|-----|
| <i>background step</i>       | 0 |  |  |  |  |  |  |  | 1 | <i>ring step</i> | 0-1             |     |
| <i>Hex code</i>              | 7 |  |  |  |  |  |  |  |   | 8                | <i>Hex code</i> | 7-8 |
| E                            |   |  |  |  |  |  |  |  | F | E-F              |                 |     |
| 2                            |   |  |  |  |  |  |  |  | 0 | 2-0              |                 |     |
| 8                            |   |  |  |  |  |  |  |  | 6 | 8-6              |                 |     |
| F                            |   |  |  |  |  |  |  |  | D | F-D              |                 |     |
| Landolt-rings W-N            |   |  |  |  |  |  |  |  |   |                  |                 |     |
| <i>code: background-ring</i> |   |  |  |  |  |  |  |  |   |                  |                 |     |

Landolt-rings W-N code: background-ring

TE781-1, Picture C4Wde: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*

|          | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 (+8) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|          | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |

line raster diameter in lpi

TE781-3, Picture C5Wde: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*

|          | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 (+8) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)  |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|          | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |

line raster diameter in lpi

TE781-5, Picture C6Wde: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*

radial gratings (Siemens-stars) *N*–*W*

radial gratings (Siemens-stars)  $W-N$

radial gratings (Siemens-stars)  $N-Z$

radial gratings (Siemens-stars) W-Z

TE780-3, Picture C1Wde: Element A: radial gratings  $N-W$ ,  $W-N$ ,  $N-Z$  and  $W-Z$ ; PS operator: *rgb/cmyc*

| $L^*/Y_{\text{intended}}$<br>(absolute)       | 18.0/18.0                                                                         | 37.3/37.3                                                                         | 56.7/56.7                                                                         | 76.1/76.0                                                                         | 95.4/95.4                                                                         | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| $w^*=l^*_{\text{CIELAB}, r}$<br>(relative)    |  |  |  |  |  |  |  |
| $w^*_{\text{input}}$<br>$w^*_{\text{output}}$ | 0,000                                                                             | 0,250                                                                             | 0,500                                                                             | 0,750                                                                             | 1,000                                                                             | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |

TE780-5, Picture C2Wde: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N0$  +  $W1$ ; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$   | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (absolute)                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code            | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=I_{\text{CIELAB},r}^*$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| (relative)                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w_{\text{input}}^*$        | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w_{\text{output}}^*$       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

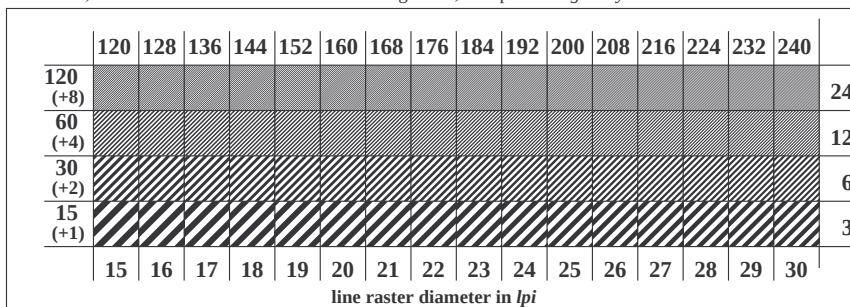
TE780-7, Picture C3Wde: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart *N*, 3D=1, de=1, *cmYk*\*

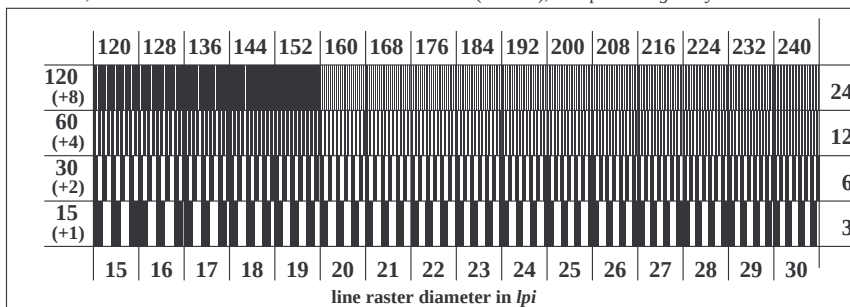
input:  $rgb/cmyk \rightarrow rgb_{de}$   
output: 3D-linearization to  $cmyk^*_{de}$

|                        |   |                   |  |  |  |  |  |  |  |   |                  |                              |
|------------------------|---|-------------------|--|--|--|--|--|--|--|---|------------------|------------------------------|
| <i>background step</i> | 0 |                   |  |  |  |  |  |  |  | 1 | <i>ring step</i> | 0-1                          |
| <i>Hex code</i>        | 7 |                   |  |  |  |  |  |  |  | 8 | <i>Hex code</i>  | 7-8                          |
| E                      |   |                   |  |  |  |  |  |  |  | F |                  | E-F                          |
| 2                      |   |                   |  |  |  |  |  |  |  | 0 |                  | 2-0                          |
| 8                      |   |                   |  |  |  |  |  |  |  | 6 |                  | 8-6                          |
| F                      |   |                   |  |  |  |  |  |  |  | D |                  | F-D                          |
|                        |   | Landolt-rings W-N |  |  |  |  |  |  |  |   |                  | <i>code: background-ring</i> |

TE781-1, Picture C4Wde: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*



TE781-3, Picture C5Wde: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*



TE781-5, Picture C6Wde: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*

radial gratings (Siemens-stars) *N-W*

radial gratings (Siemens-stars) W-N

radial gratings (Siemens-stars)  $N-Z$

radial gratings (Siemens-stars) W-Z

TE780-3, Picture C1Wde: Element A: radial gratings *N-W*, *W-N*, *N-Z* and *W-Z*; PS operator: *rgb/cmyc*

| $L^*/Y_{\text{intended}}$<br>(absolute)       | 18.0/18.0                                                                         | 37.3/37.3                                                                         | 56.7/56.7                                                                         | 76.1/76.0                                                                         | 95.4/95.4                                                                         | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |
|-----------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| $w^*=l^*_{\text{CIELAB}, r}$<br>(relative)    |  |  |  |  |  |  |  |
| $W^*_{\text{input}}$<br>$W^*_{\text{output}}$ | 0,000                                                                             | 0,250                                                                             | 0,500                                                                             | 0,750                                                                             | 1,000                                                                             | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |

TE780-5, Picture C2Wde: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N0$  +  $W1$ ; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$   | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (absolute)                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code            | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=I_{\text{CIELAB},r}^*$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| (relative)                  |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w_{\text{input}}^*$        | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w_{\text{output}}^*$       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

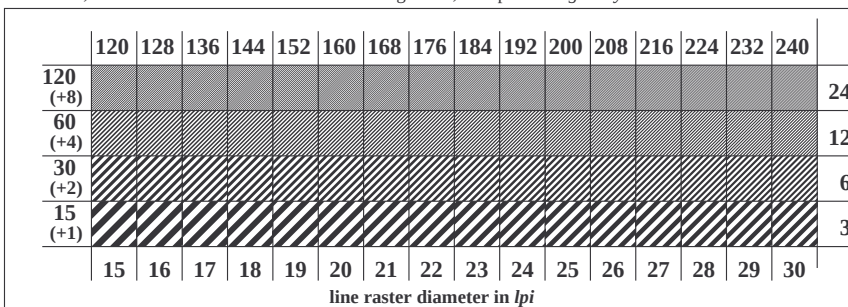
TE780-7, Picture C3Wde: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart *N*, 3D=1, de=1, *cmYk*\*

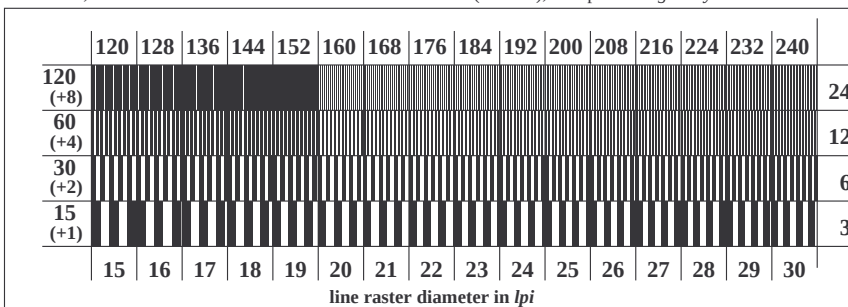
input:  $rgb/cmyk \rightarrow rgb_{de}$   
output: 3D-linearization to  $cmyk^*_{de}$

|                        |          |                          |  |  |  |  |  |  |  |  |  |          |                  |                              |
|------------------------|----------|--------------------------|--|--|--|--|--|--|--|--|--|----------|------------------|------------------------------|
| <i>background step</i> | <b>0</b> |                          |  |  |  |  |  |  |  |  |  | <b>1</b> | <i>ring step</i> | <b>0-1</b>                   |
| <i>Hex code</i>        |          |                          |  |  |  |  |  |  |  |  |  |          | <i>Hex code</i>  |                              |
|                        | <b>7</b> |                          |  |  |  |  |  |  |  |  |  | <b>8</b> |                  | <b>7-8</b>                   |
|                        | <b>E</b> |                          |  |  |  |  |  |  |  |  |  | <b>F</b> |                  | <b>E-F</b>                   |
|                        | <b>2</b> |                          |  |  |  |  |  |  |  |  |  | <b>0</b> |                  | <b>2-0</b>                   |
|                        | <b>8</b> |                          |  |  |  |  |  |  |  |  |  | <b>6</b> |                  | <b>8-6</b>                   |
|                        | <b>F</b> |                          |  |  |  |  |  |  |  |  |  | <b>D</b> |                  | <b>F-D</b>                   |
|                        |          | <b>Landolt-rings W-N</b> |  |  |  |  |  |  |  |  |  |          |                  | <i>code: background-ring</i> |

TE781-1, Picture C4Wde: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*



TE781-3, Picture C5Wde: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*



TE781-5, Picture C6Wde: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*



radial gratings (Siemens-stars) *N-W*

radial gratings (Siemens-stars) W-N

radial gratings (Siemens-stars)  $N-Z$

radial gratings (Siemens-stars) W-Z

TE780-3, Picture C1Wde: Element A: radial gratings  $N-W$ ,  $W-N$ ,  $N-Z$  and  $W-Z$ ; PS operator: *rgb/cmyc*

| $L^*/Y_{intended}$<br>(absolute)          | 18.0/18.0                                                                         | 37.3/37.3                                                                         | 56.7/56.7                                                                         | 76.1/76.0                                                                         | 95.4/95.4                                                                         | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |
|-------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| $W^*=L^*_{CIE\text{LAB},r}$<br>(relative) |  |  |  |  |  |  |  |
| $W^*_{input}$<br>$W^*_{output}$           | 0,000                                                                             | 0,250                                                                             | 0,500                                                                             | 0,750                                                                             | 1,000                                                                             | $N_0$ (min.)                                                                      | $W_1$ (max.)                                                                      |

TE780-5, Picture C2Wde: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N0$  +  $W1$ ; PS operator: *rgb/cmy0*

|                      |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| $L^*/Y_{intended}$   | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
| (absolute)           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code     | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^*=L^*_{CIELAB,r}$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| (relative)           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{input}$        | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{output}$       |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

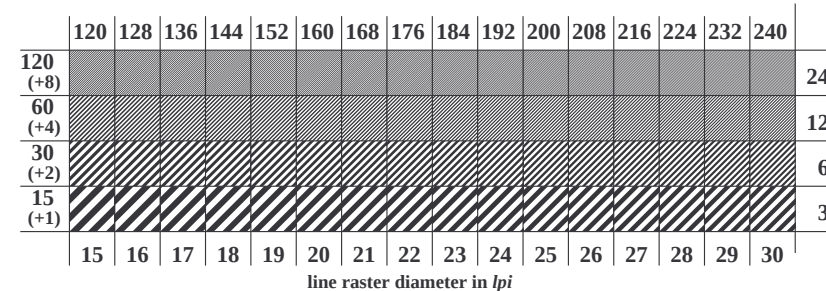
TE780-7, Picture C3Wde: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart *N*, 3D=1, de=1, *cmYk*\*

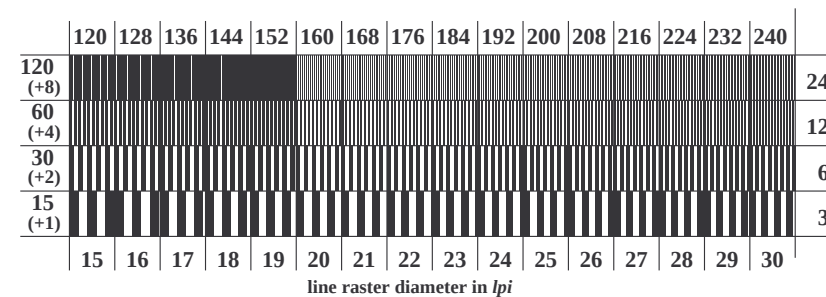
input:  $rgb/cmyk \rightarrow rgb_{de}$   
output: 3D-linearization to  $cmyk^*_{de}$

|                        |          |                          |  |  |  |  |  |  |  |  |  |          |                  |                              |
|------------------------|----------|--------------------------|--|--|--|--|--|--|--|--|--|----------|------------------|------------------------------|
| <i>background step</i> | <b>0</b> |                          |  |  |  |  |  |  |  |  |  | <b>1</b> | <i>ring step</i> | <b>0-1</b>                   |
| <i>Hex code</i>        |          |                          |  |  |  |  |  |  |  |  |  |          | <i>Hex code</i>  |                              |
|                        | <b>7</b> |                          |  |  |  |  |  |  |  |  |  | <b>8</b> |                  | <b>7-8</b>                   |
|                        | <b>E</b> |                          |  |  |  |  |  |  |  |  |  | <b>F</b> |                  | <b>E-F</b>                   |
|                        | <b>2</b> |                          |  |  |  |  |  |  |  |  |  | <b>0</b> |                  | <b>2-0</b>                   |
|                        | <b>8</b> |                          |  |  |  |  |  |  |  |  |  | <b>6</b> |                  | <b>8-6</b>                   |
|                        | <b>F</b> |                          |  |  |  |  |  |  |  |  |  | <b>D</b> |                  | <b>F-D</b>                   |
|                        |          | <b>Landolt-rings W-N</b> |  |  |  |  |  |  |  |  |  |          |                  | <i>code: background-ring</i> |

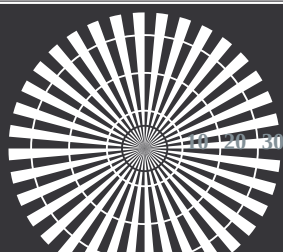
TE781-1, Picture C4Wde: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*



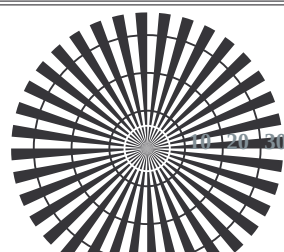
TE781-3, Picture C5Wde: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*



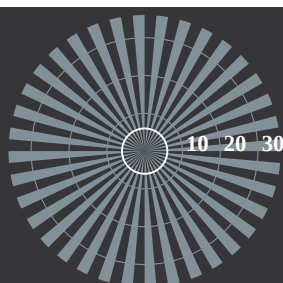
TE781-5, Picture C6Wde: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*



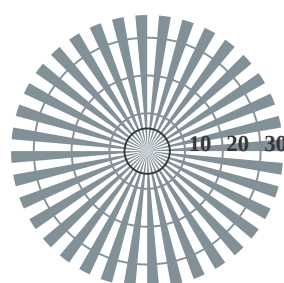
radial gratings (Siemens-stars) N-W



radial gratings (Siemens-stars) W-N



radial gratings (Siemens-stars) N-Z



radial gratings (Siemens-stars) W-Z

TE780-3, Picture C1Wde: Element A: radial gratings N-W, W-N, N-Z and W-Z; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$      | 18.0/18.0 | 37.3/37.3 | 56.7/56.7 | 76.1/76.0 | 95.4/95.4 | $N_0$ (min.) | $W_1$ (max.) |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|--------------|--------------|
| (absolute)                     |           |           |           |           |           |              |              |
| $w^* = I^*_{\text{CIELAB}, r}$ |           |           |           |           |           |              |              |
| $w^*_{\text{input}}$           | 0,000     | 0,250     | 0,500     | 0,750     | 1,000     | $N_0$ (min.) | $W_1$ (max.) |
| $w^*_{\text{output}}$          |           |           |           |           |           |              |              |

TE780-5, Picture C2Wde: Element B: 5 visual equidistant  $L^*$ -grey steps +  $N_0$  +  $W_1$ ; PS operator: *rgb/cmy0*

| $L^*/Y_{\text{intended}}$      | 18.0/18.0 | 23.2/23.2 | 28.3/28.3 | 33.5/33.5 | 38.6/38.6 | 43.8/43.8 | 49.0/49.0 | 54.1/54.1 | 59.3/59.3 | 64.4/64.4 | 69.6/69.6 | 74.8/74.8 | 79.9/79.9 | 85.1/85.1 | 90.2/90.2 | 95.4/95.4 |
|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| (absolute)                     |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| No. and Hex code               | 00;F      | 01;E      | 02;D      | 03;C      | 04;B      | 05;A      | 06;9      | 07;8      | 08;7      | 09;6      | 10;5      | 11;4      | 12;3      | 13;2      | 14;1      | 15;0      |
| $w^* = I^*_{\text{CIELAB}, r}$ |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |
| $w^*_{\text{input}}$           | 0,000     | 0,067     | 0,133     | 0,200     | 0,267     | 0,333     | 0,400     | 0,467     | 0,533     | 0,600     | 0,667     | 0,733     | 0,800     | 0,867     | 0,933     | 1,000     |
| $w^*_{\text{output}}$          |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |           |

TE780-7, Picture C3Wde: Element C: 16 visual equidistant  $L^*$ -grey steps; PS operator: *rgb/cmy0*

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
achromatic test chart N, 3D=1, de=1, *cmyk\**

| background step | 0 | 1   | ring step | 0-1 |
|-----------------|---|-----|-----------|-----|
| Hex code        | 7 | 8   | Hex code  | 7-8 |
| E               | F | E-F |           |     |
| 2               | 0 | 2-0 |           |     |
| 8               | 6 | 8-6 |           |     |
| F               | D | F-D |           |     |

Landolt-rings W-N code: background-ring

TE781-1, Picture C4Wde: Element D: Landolt-rings W-N; PS operator: *rgb/cmy0*

|                             | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 (+8)                    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|                             | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |
| line raster diameter in lpi |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

TE781-3, Picture C5Wde: Element E: Line raster under 45° (or 135°); PS operator: *rgb/cmy0*

|                             | 120 | 128 | 136 | 144 | 152 | 160 | 168 | 176 | 184 | 192 | 200 | 208 | 216 | 224 | 232 | 240 |     |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 120 (+8)                    |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 240 |
| 60 (+4)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 120 |
| 30 (+2)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 60  |
| 15 (+1)                     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | 30  |
|                             | 15  | 16  | 17  | 18  | 19  | 20  | 21  | 22  | 23  | 24  | 25  | 26  | 27  | 28  | 29  | 30  |     |
| line raster diameter in lpi |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

TE781-5, Picture C6Wde: Element F: Line raster under 90° (or 0°); PS operator: *rgb/cmy0*

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









see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

|     | HIC*F <sub>de</sub> | rgb_F <sub>de</sub> | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | cmyn*sep,F <sub>de</sub> | hsi,M <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |               |                             |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|--------------------------|---------------------|---------------------|-----------------------|---------------|-----------------------------|
| 81  | R00Y_012_012a       | 0.125 0.0 0.0       | 0.125 0.125 0.062   | 390                 | 0.125 0.0 0.031     | 27.0 9.0 4.3          | 10.0 25.4                | 0.901 0.963         | 0.999 0.0           | 375                   | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4    |
| 82  | B50R_012_012a       | 0.125 0.0 0.125     | 0.125 0.125 0.062   | 330                 | 0.04 0.0 0.125      | 25.2 5.9 -3.6         | 6.9 328.6                | 0.961 0.98          | 0.829 0.0           | 288                   | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6  |
| 83  | B25R_025_025a       | 0.125 0.0 0.25      | 0.25 0.25 0.125     | 300                 | 0.0 0.026 0.25      | 25.3 5.8 -10.0        | 11.6 300.1               | 0.983 0.965         | 0.66 0.0            | 264                   | 0.0 0.105 1.0 | 28.1 23.4 -40.3 46.7 300.1  |
| 84  | B15R_037_037a       | 0.125 0.0 0.375     | 0.375 0.375 0.187   | 289                 | 0.0 0.093 0.375     | 27.5 5.4 -15.0        | 16.0 289.7               | 0.978 0.885         | 0.538 0.0           | 256                   | 0.0 0.248 1.0 | 32.8 14.4 -40.2 42.7 289.7  |
| 85  | B11R_050_050a       | 0.125 0.0 0.5       | 0.5 0.5 0.25        | 284                 | 0.0 0.151 0.5       | 29.5 5.4 -20.2        | 20.9 285.0               | 0.978 0.834         | 0.428 0.0           | 252                   | 0.0 0.302 1.0 | 34.7 10.8 -40.4 41.8 285.0  |
| 86  | B09R_062_062a       | 0.125 0.0 0.625     | 0.625 0.625 0.312   | 281                 | 0.0 0.209 0.625     | 31.5 5.4 -25.2        | 25.8 282.1               | 0.981 0.781         | 0.319 0.0           | 250                   | 0.0 0.335 1.0 | 35.9 8.7 -40.4 41.3 282.1   |
| 87  | B07R_075_075a       | 0.125 0.0 0.75      | 0.75 0.75 0.375     | 279                 | 0.0 0.267 0.75      | 33.6 5.4 -30.2        | 30.7 280.2               | 0.985 0.722         | 0.213 0.0           | 249                   | 0.0 0.356 1.0 | 36.6 7.3 -40.3 40.9 280.2   |
| 88  | B06R_087_087a       | 0.125 0.0 0.875     | 0.875 0.875 0.437   | 278                 | 0.0 0.321 0.875     | 35.4 5.7 -35.2        | 35.7 279.3               | 0.99 0.666          | 0.108 0.0           | 248                   | 0.0 0.367 1.0 | 37.0 6.6 -40.2 40.8 279.3   |
| 89  | B05R_100_100a       | 0.125 0.0 1.0       | 1.0 1.0 0.5         | 277                 | 0.0 0.378 1.0       | 37.4 5.9 -40.2        | 40.7 278.3               | 1.0 0.62            | 0.0 0.0             | 248                   | 0.0 0.378 1.0 | 37.4 5.9 -40.2 40.7 278.3   |
| 90  | Y00G_012_012a       | 0.125 0.125 0.0     | 0.125 0.125 0.062   | 90                  | 0.125 0.109 0.0     | 31.7 -0.4 11.3        | 11.3 92.3                | 0.878 0.805         | 1.0 0.0             | 83                    | 1.0 0.878 0.0 | 83.6 -3.6 90.4 90.4 92.3    |
| 91  | NW_012a             | 0.125 0.125 0.125   | 0.125 0.0 0.125     | 360                 | 0.125 0.125 0.125   | 33.2 0.0 0.0          | 0.0 0.0                  | 0.885 0.774         | 0.736 0.0           | 360                   | 1.0 1.0 1.0   | 95.6 0.0 0.0 0.0 0.0        |
| 92  | B00R_025_012a       | 0.125 0.125 0.25    | 0.25 0.125 0.187    | 270                 | 0.124 0.182 0.25    | 35.2 0.1 -5.0         | 5.0 271.7                | 0.877 0.732         | 0.61 0.0            | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 93  | B00R_037_025a       | 0.125 0.125 0.375   | 0.375 0.25 0.25     | 270                 | 0.124 0.239 0.375   | 37.2 0.3 -10.1        | 10.1 271.7               | 0.867 0.69          | 0.504 0.0           | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 94  | B00R_050_037a       | 0.125 0.125 0.5     | 0.5 0.375 0.312     | 270                 | 0.124 0.296 0.5     | 39.2 0.4 -15.2        | 15.2 271.7               | 0.862 0.64          | 0.395 0.0           | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 95  | B00R_062_050a       | 0.125 0.125 0.625   | 0.625 0.5 0.375     | 270                 | 0.125 0.354 0.625   | 41.2 0.6 -20.3        | 20.3 271.7               | 0.86 0.592          | 0.3 0.0             | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 96  | B00R_075_062a       | 0.125 0.125 0.75    | 0.75 0.625 0.437    | 270                 | 0.125 0.411 0.75    | 43.2 0.7 -25.4        | 25.4 271.7               | 0.863 0.548         | 0.204 0.0           | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 97  | B00R_087_075a       | 0.125 0.125 0.875   | 0.875 0.75 0.5      | 270                 | 0.125 0.468 0.875   | 45.1 0.9 -30.5        | 30.5 271.7               | 0.867 0.501         | 0.105 0.0           | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 98  | B00R_100_087a       | 0.125 0.125 1.0     | 1.0 0.875 0.562     | 270                 | 0.125 0.525 1.0     | 47.1 1.0 -35.5        | 35.6 271.7               | 0.872 0.46          | 0.006 0.0           | 242                   | 0.0 0.458 1.0 | 40.2 1.2 -40.6 40.6 271.7   |
| 99  | Y50G_025_025a       | 0.125 0.25 0.0      | 0.25 0.25 0.125     | 120                 | 0.08 0.25 0.0       | 33.9 -10.2 13.4       | 16.9 127.2               | 0.901 0.717         | 1.0 0.0             | 131                   | 0.322 1.0 0.0 | 62.6 -40.9 53.8 67.6 127.2  |
| 100 | G00B_025_012a       | 0.125 0.25 0.125    | 0.25 0.125 0.187    | 150                 | 0.124 0.25 0.143    | 36.5 -7.7 2.4         | 8.1 162.2                | 0.885 0.672         | 0.733 0.0           | 158                   | 0.0 1.0 0.151 | 50.6 -62.1 19.9 65.2 162.2  |
| 101 | G50B_025_012a       | 0.125 0.25 0.25     | 0.25 0.125 0.187    | 210                 | 0.124 0.25 0.218    | 37.1 -4.5 -3.4        | 5.6 216.9                | 0.878 0.673         | 0.621 0.0           | 195                   | 0.0 1.0 0.747 | 55.0 -36.2 -27.2 45.3 216.9 |
| 102 | G75B_037_025a       | 0.125 0.25 0.375    | 0.375 0.25 0.25     | 240                 | 0.124 0.336 0.375   | 40.5 -4.9 -10.3       | 11.4 244.3               | 0.863 0.6           | 0.472 0.0           | 218                   | 0.0 0.846 1.0 | 53.3 -19.8 -41.3 45.9 244.3 |
| 103 | G84B_050_037a       | 0.125 0.25 0.5      | 0.5 0.375 0.312     | 251                 | 0.124 0.375 0.5     | 42.0 -4.3 -15.4       | 15.9 254.3               | 0.861 0.563         | 0.379 0.0           | 229                   | 0.0 0.666 1.0 | 47.8 -11.4 -41.0 42.6 254.3 |
| 104 | G88B_062_050a       | 0.125 0.25 0.625    | 0.625 0.5 0.375     | 256                 | 0.125 0.426 0.625   | 43.9 -3.9 -20.4       | 20.8 258.9               | 0.862 0.524         | 0.288 0.0           | 233                   | 0.0 0.602 1.0 | 45.6 -7.9 -40.9 41.7 258.9  |
| 105 | G90B_075_062a       | 0.125 0.25 0.75     | 0.75 0.625 0.437    | 259                 | 0.125 0.482 0.75    | 45.8 -3.7 -25.6       | 25.8 261.6               | 0.865 0.482         | 0.193 0.0           | 235                   | 0.0 0.572 1.0 | 44.5 -5.9 -40.9 41.4 261.6  |
| 106 | G92B_087_075a       | 0.125 0.25 0.875    | 0.875 0.75 0.5      | 261                 | 0.125 0.539 0.875   | 47.8 -3.4 -30.7       | 30.9 263.5               | 0.872 0.441         | 0.098 0.0           | 236                   | 0.0 0.552 1.0 | 43.7 -4.6 -40.9 41.2 263.5  |
| 107 | G93B_100_087a       | 0.125 0.25 1.0      | 1.0 0.875 0.562     | 262                 | 0.125 0.599 1.0     | 49.8 -3.4 -35.8       | 35.9 264.4               | 0.875 0.399         | 0.001 0.0           | 237                   | 0.0 0.542 1.0 | 43.3 -3.9 -40.9 41.1 264.4  |
| 108 | Y68G_037_037a       | 0.125 0.375 0.0     | 0.375 0.375 0.187   | 131                 | 0.069 0.375 0.0     | 36.4 -19.1 15.9       | 24.9 140.0               | 0.912 0.622         | 1.0 0.0             | 139                   | 0.184 1.0 0.0 | 56.4 -50.9 42.6 66.4 140.0  |
| 109 | G00B_037_025a       | 0.125 0.375 0.125   | 0.375 0.25 0.25     | 150                 | 0.124 0.375 0.162   | 39.8 -15.5 4.9        | 16.3 162.2               | 0.887 0.564         | 0.733 0.0           | 158                   | 0.0 1.0 0.151 | 50.6 -62.1 19.9 65.2 162.2  |
| 110 | G25B_037_025a       | 0.125 0.375 0.25    | 0.375 0.25 0.25     | 180                 | 0.124 0.375 0.25    | 40.4 -12.1 -2.0       | 12.3 189.6               | 0.882 0.564         | 0.617 0.0           | 180                   | 0.0 1.0 0.502 | 53.0 -48.6 -8.2 49.2 189.6  |
| 111 | G50B_037_025a       | 0.125 0.375 0.375   | 0.375 0.25 0.25     | 210                 | 0.124 0.375 0.311   | 40.9 -9.0 -6.8        | 11.3 216.9               | 0.874 0.571         | 0.533 0.0           | 195                   | 0.0 1.0 0.747 | 55.0 -36.2 -27.2 45.3 216.9 |
| 112 | G65B_050_037a       | 0.125 0.375 0.5     | 0.5 0.375 0.312     | 229                 | 0.124 0.5 0.48      | 45.3 -10.4 -14.5      | 17.8 234.3               | 0.862 0.474         | 0.379 0.0           | 207                   | 0.0 1.0 0.948 | 56.4 -27.8 -38.7 47.7 234.3 |
| 113 | G75B_062_050a       | 0.125 0.375 0.625   | 0.625 0.5 0.375     | 240                 | 0.125 0.548 0.625   | 47.7 -9.9 -20.6       | 22.9 244.3               | 0.86 0.43           | 0.27 0.0            | 218                   | 0.0 0.846 1.0 | 53.3 -19.8 -41.3 45.9 244.3 |
| 114 | G80B_075_062a       | 0.125 0.375 0.75    | 0.75 0.625 0.437    | 247                 | 0.125 0.578 0.75    | 49.1 -8.9 -25.7       | 27.2 250.7               | 0.868 0.406         | 0.183 0.0           | 225                   | 0.0 0.726 1.0 | 49.7 -14.3 -41.1 43.5 250.7 |
| 115 | G84B_087_075a       | 0.125 0.375 0.875   | 0.875 0.75 0.5      | 251                 | 0.125 0.625 0.875   | 50.8 -8.6 -30.8       | 31.9 254.3               | 0.875 0.371         | 0.093 0.0           | 229                   | 0.0 0.666 1.0 | 47.8 -11.4 -41.0 42.6 254.3 |
| 116 | G86B_100_087a       | 0.125 0.375 1.0     | 1.0 0.875 0.562     | 254                 | 0.125 0.67 1.0      | 52.6 -8.1 -35.7       | 36.7 257.1               | 0.879 0.319         | 0.005 0.0           | 231                   | 0.0 0.622 1.0 | 46.4 -9.3 -40.9 41.9 257.1  |
| 117 | Y76G_050_050a       | 0.125 0.5 0.0       | 0.5 0.5 0.25        | 136                 | 0.054 0.5 0.0       | 39.2 -27.7 18.7       | 33.5 145.9               | 0.923 0.511         | 1.0 0.0             | 144                   | 0.108 1.0 0.0 | 54.1 -55.5 37.5 67.0 145.9  |
| 118 | G00B_050_037a       | 0.125 0.5 0.125     | 0.5 0.375 0.312     | 150                 | 0.124 0.5 0.181     | 43.1 -23.2 7.4        | 24.4 162.2               | 0.891 0.458         | 0.732 0.0           | 158                   | 0.0 1.0 0.151 | 50.6 -62.1 19.9 65.2 162.2  |
| 119 | G15B_050_037a       | 0.125 0.5 0.25      | 0.5 0.375 0.312     | 169                 | 0.124 0.5 0.276     | 43.7 -20.0 0.1        | 20.0 179.5               | 0.889 0.458         | 0.623 0.0           | 173                   | 0.0 1.0 0.403 | 52.2 -53.4 0.4 53.4 179.5   |
| 120 | G34B_050_037a       | 0.125 0.5 0.375     | 0.5 0.375 0.312     | 191                 | 0.124 0.5 0.347     | 44.3 -16.5 -5.9       | 17.6 199.6               | 0.882 0.458         | 0.525 0.0           | 186                   | 0.0 1.0 0.592 | 53.7 -44.2 -15.7 46.9 199.6 |
| 121 | G50B_050_037a       | 0.125 0.5 0.5       | 0.5 0.375 0.312     | 210                 | 0.124 0.5 0.405     | 44.7 -13.5 -10.2      | 16.9 216.9               | 0.874 0.465         | 0.454 0.0           | 195                   | 0.0 1.0 0.747 | 55.0 -36.2 -27.2 45.3 216.9 |
| 122 | G61B_062_050a       | 0.125 0.5 0.625     | 0.625 0.5 0.375     | 224                 | 0.124 0.625 0.571   | 49.0 -15.0 -17.7      | 23.2 229.7               | 0.869 0.381         | 0.315 0.0           | 204                   | 0.0 1.0 0.892 | 56.0 -30.0 -35.5 46.5 229.7 |
| 123 | G69B_075_062a       | 0.125 0.5 0.75      | 0.75 0.625 0.437    | 233                 | 0.125 0.75 0.746    | 53.5 -16.1 -25.7      | 30.3 237.9               | 0.871 0.265         | 0.176 0.0           | 209                   | 0.0 1.0 0.994 | 56.7 -25.7 -41.2 48.6 237.9 |
| 124 | G75B_087_075a       | 0.125 0.5 0.875     | 0.875 0.75 0.5      | 240                 | 0.125 0.759 0.875   | 54.9 -14.8 -31.0      | 34.4 244.3               | 0.877 0.235         | 0.088 0.0           | 218                   | 0.0 0.846 1.0 | 53.3 -19.8 -41.3 45.9 244.3 |
| 125 | G79B_100_087a       | 0.125 0.5 1.0       | 1.0 0.875 0.562     | 245                 | 0.125 0.787 1.0     | 56.2 -13.8 -36.0      | 38.5 248.9               | 0.882 0.202         | 0.004 0.0           | 223                   | 0.0 0.757 1.0 | 50.6 -15.8 -41.1 44.1 248.9 |
| 126 | Y81G_062_062a       | 0.125 0.625 0.0     | 0.625 0.625 0.312   | 139                 | 0.043 0.625 0.0     | 42.0 -36.9 21.8       | 42.8 149.4               | 0.937 0.412         | 1.0 0.0             | 146                   | 0.069 1.0 0.0 | 52.6 -59.0 34.9 68.6 149.4  |
| 127 | G00B_0              |                     |                     |                     |                     |                       |                          |                     |                     |                       |               |                             |

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| n   | HIC*F <sub>de</sub> | rgb_F <sub>de</sub> | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub>  | LabCh*F <sub>de</sub> | cmyn*sep.F <sub>de</sub> |
|-----|---------------------|---------------------|---------------------|---------------------|----------------------|-----------------------|--------------------------|
| 162 | R00Y_025_025de      | 0.25 0.0 0.0        | 0.25 0.25 0.125     | 390                 | 0.25 0.0 0.063       | 29.6 18.0 8.6         | 20.0 25.4                |
| 163 | R00Y_025_025de      | 0.25 0.0 0.125      | 0.25 0.25 0.125     | 360                 | 0.184 0.0 0.25       | 28.6 17.6 -2.4        | 17.7 35.0                |
| 164 | B50R_025_025de      | 0.25 0.0 0.25       | 0.25 0.25 0.125     | 330                 | 0.08 0.0 0.25        | 26.0 11.9 -7.2        | 13.9 328.6               |
| 165 | B34R_037_037de      | 0.25 0.0 0.375      | 0.375 0.375 0.187   | 311                 | 0.024 0.0 0.375      | 25.1 12.3 -14.4       | 19.0 310.6               |
| 166 | B25R_050_050de      | 0.25 0.0 0.5        | 0.5 0.5 0.25        | 300                 | 0.0 0.052 0.5        | 26.2 11.7 -20.1       | 23.3 300.1               |
| 167 | B19R_062_062de      | 0.25 0.0 0.625      | 0.625 0.625 0.312   | 293                 | 0.0 0.123 0.625      | 28.5 11.0 -25.2       | 27.5 293.5               |
| 168 | B15R_075_075de      | 0.25 0.0 0.75       | 0.75 0.75 0.375     | 289                 | 0.0 0.186 0.75       | 30.6 10.8 -30.1       | 32.0 289.7               |
| 169 | B13R_087_087de      | 0.25 0.0 0.875      | 0.875 0.875 0.437   | 286                 | 0.0 0.245 0.875      | 32.7 10.7 -35.3       | 36.9 289.6               |
| 170 | B11R_100_100de      | 0.25 0.0 1.0        | 1.0 1.0 0.5         | 284                 | 0.0 0.302 1.0        | 34.7 10.8 -40.4       | 41.8 285.0               |
| 171 | R50Y_025_025de      | 0.25 0.125 0.0      | 0.25 0.25 0.125     | 60                  | 0.25 0.099 0.0       | 33.3 9.5 15.8         | 18.5 58.8                |
| 172 | R00Y_025_012de      | 0.25 0.125 0.125    | 0.25 0.125 0.187    | 390                 | 0.25 0.124 0.156     | 35.9 9.0 4.3          | 10.0 25.4                |
| 173 | B50R_025_012de      | 0.25 0.125 0.25     | 0.25 0.125 0.187    | 330                 | 0.165 0.124 0.25     | 34.1 5.9 -3.6         | 6.9 328.6                |
| 174 | B25R_037_025de      | 0.25 0.125 0.375    | 0.375 0.25 0.25     | 300                 | 0.124 0.151 0.375    | 34.2 5.8 -10.0        | 11.6 300.1               |
| 175 | B15R_050_037de      | 0.25 0.125 0.5      | 0.5 0.375 0.312     | 289                 | 0.124 0.218 0.5      | 36.4 5.4 -15.0        | 16.0 289.7               |
| 176 | B11R_062_050de      | 0.25 0.125 0.625    | 0.625 0.5 0.375     | 284                 | 0.125 0.276 0.625    | 38.4 5.4 -20.2        | 20.9 285.0               |
| 177 | B09R_075_062de      | 0.25 0.125 0.75     | 0.75 0.625 0.437    | 281                 | 0.125 0.334 0.75     | 40.4 5.4 -25.2        | 25.8 282.1               |
| 178 | B07R_087_075de      | 0.25 0.125 0.875    | 0.875 0.75 0.5      | 279                 | 0.125 0.392 0.875    | 42.5 5.4 -30.2        | 30.7 280.2               |
| 179 | B06R_100_087de      | 0.25 0.125 1.0      | 1.0 0.875 0.562     | 278                 | 0.125 0.446 1.0      | 44.3 5.7 -35.2        | 35.7 279.3               |
| 180 | Y00G_025_025de      | 0.25 0.25 0.0       | 0.25 0.25 0.125     | 90                  | 0.25 0.219 0.0       | 39.1 -0.9 22.6        | 22.6 92.3                |
| 181 | Y00G_025_012de      | 0.25 0.25 0.125     | 0.25 0.125 0.187    | 90                  | 0.25 0.234 0.124     | 40.6 -0.4 11.3        | 11.3 92.3                |
| 182 | NW_025de            | 0.25 0.25 0.25      | 0.25 0.0 0.25       | 360                 | 0.25 0.25 0.25       | 42.1 0.0 0.0          | 0.0 0.0                  |
| 183 | B00R_037_012de      | 0.25 0.25 0.375     | 0.375 0.125 0.312   | 270                 | 0.249 0.307 0.375    | 44.1 0.1 -5.0         | 5.0 271.7                |
| 184 | B00R_050_025de      | 0.25 0.25 0.5       | 0.5 0.25 0.375      | 270                 | 0.249 0.364 0.5      | 46.1 0.3 -10.1        | 10.1 271.7               |
| 185 | B00R_062_037de      | 0.25 0.25 0.625     | 0.625 0.375 0.437   | 270                 | 0.25 0.421 0.625     | 48.1 0.4 -15.2        | 15.2 271.7               |
| 186 | B00R_075_050de      | 0.25 0.25 0.75      | 0.75 0.5 0.5        | 270                 | 0.25 0.479 0.75      | 50.1 0.6 -20.3        | 20.3 271.7               |
| 187 | B00R_087_062de      | 0.25 0.25 0.875     | 0.875 0.625 0.562   | 270                 | 0.25 0.536 0.875     | 52.1 0.7 -25.4        | 25.4 271.7               |
| 188 | B00R_100_075de      | 0.25 0.25 1.0       | 1.0 0.75 0.625      | 270                 | 0.25 0.593 1.0       | 54.1 0.9 -30.5        | 30.5 271.7               |
| 189 | Y31G_037_037de      | 0.25 0.375 0.0      | 0.375 0.375 0.187   | 109                 | 0.185 0.375 0.0      | 41.6 -11.2 24.7       | 27.2 114.4               |
| 190 | Y50G_037_025de      | 0.25 0.375 0.125    | 0.375 0.25 0.25     | 120                 | 0.205 0.375 0.124    | 42.8 -10.2 13.4       | 16.9 127.2               |
| 191 | G00B_037_012de      | 0.25 0.375 0.25     | 0.375 0.125 0.312   | 150                 | 0.249 0.375 0.268    | 45.4 -7.7 2.4         | 8.1 162.2                |
| 192 | G50B_037_012de      | 0.25 0.375 0.375    | 0.375 0.125 0.312   | 210                 | 0.249 0.375 0.343    | 46.0 -4.5 -3.4        | 5.6 216.9                |
| 193 | G75B_050_025de      | 0.25 0.375 0.5      | 0.5 0.25 0.375      | 240                 | 0.249 0.461 0.5      | 49.4 -4.9 -10.3       | 11.4 244.3               |
| 194 | G84B_062_037de      | 0.25 0.375 0.625    | 0.625 0.375 0.437   | 251                 | 0.25 0.5 0.625       | 50.9 -4.3 -15.4       | 15.9 254.3               |
| 195 | G88B_075_050de      | 0.25 0.375 0.75     | 0.75 0.5 0.5        | 256                 | 0.25 0.551 0.75      | 52.8 -3.9 -20.4       | 20.8 258.9               |
| 196 | G90B_087_062de      | 0.25 0.375 0.875    | 0.875 0.625 0.562   | 259                 | 0.25 0.607 0.875     | 54.7 -3.7 -25.6       | 25.8 261.6               |
| 197 | G92B_100_075de      | 0.25 0.375 1.0      | 1.0 0.75 0.625      | 261                 | 0.25 0.664 1.0       | 56.7 -3.4 -30.7       | 30.9 263.5               |
| 198 | Y50G_050_050de      | 0.25 0.5 0.0        | 0.5 0.5 0.25        | 120                 | 0.161 0.5 0.0        | 43.5 -20.4 26.9       | 33.8 127.2               |
| 199 | Y68G_050_037de      | 0.25 0.5 0.125      | 0.5 0.375 0.312     | 131                 | 0.194 0.5 0.124      | 45.3 -19.1 15.9       | 24.9 140.0               |
| 200 | G00B_050_025de      | 0.25 0.5 0.25       | 0.5 0.25 0.375      | 150                 | 0.249 0.5 0.287      | 48.7 -15.5 4.9        | 16.3 162.2               |
| 201 | C25B_050_025de      | 0.25 0.5 0.375      | 0.5 0.25 0.375      | 180                 | 0.249 0.5 0.375      | 49.3 -12.1 -2.0       | 12.3 189.6               |
| 202 | G50B_050_025de      | 0.25 0.5 0.5        | 0.5 0.25 0.375      | 210                 | 0.249 0.5 0.436      | 49.8 -9.0 -6.8        | 11.3 216.9               |
| 203 | G65B_062_037de      | 0.25 0.5 0.625      | 0.625 0.375 0.437   | 229                 | 0.25 0.625 0.605     | 54.2 -10.4 -14.5      | 17.8 234.3               |
| 204 | G75B_075_050de      | 0.25 0.5 0.75       | 0.75 0.5 0.5        | 240                 | 0.25 0.673 0.75      | 56.6 -9.9 -20.6       | 22.9 244.3               |
| 205 | G80B_087_062de      | 0.25 0.5 0.875      | 0.875 0.625 0.562   | 247                 | 0.25 0.703 0.875     | 58.0 -8.9 -25.7       | 27.2 250.7               |
| 206 | G84B_100_075de      | 0.25 0.5 1.0        | 1.0 0.75 0.625      | 251                 | 0.25 0.75 1.0        | 59.7 -8.6 -30.8       | 31.9 254.3               |
| 207 | Y61G_062_062de      | 0.25 0.625 0.0      | 0.625 0.625 0.312   | 127                 | 0.155 0.625 0.0      | 45.6 -29.6 29.2       | 41.6 135.4               |
| 208 | Y76G_062_050de      | 0.25 0.625 0.125    | 0.625 0.5 0.375     | 136                 | 0.179 0.625 0.125    | 48.1 -27.7 18.7       | 33.5 145.9               |
| 209 | G00B_062_037de      | 0.25 0.625 0.25     | 0.625 0.375 0.437   | 150                 | 0.25 0.625 0.306     | 52.0 -23.2 7.4        | 24.4 162.2               |
| 210 | G15B_062_037de      | 0.25 0.625 0.375    | 0.625 0.375 0.437   | 169                 | 0.25 0.625 0.401     | 52.6 -20.0 0.1        | 20.0 179.5               |
| 211 | G34B_062_037de      | 0.25 0.625 0.5      | 0.625 0.375 0.437   | 191                 | 0.25 0.625 0.472     | 53.2 -16.5 -5.9       | 17.6 199.6               |
| 212 | G50B_062_037de      | 0.25 0.625 0.625    | 0.625 0.375 0.437   | 210                 | 0.25 0.625 0.53 53.6 | -13.5 -10.2 16.9      | 216.9 169.6              |
| 213 | G61B_075_050de      | 0.25 0.625 0.75     | 0.75 0.5 0.5        | 224                 | 0.25 0.75 0.696      | 58.0 -15.0 -17.7      | 23.2 229.7               |
| 214 | G69B_087_062de      | 0.25 0.625 0.875    | 0.875 0.625 0.562   | 233                 | 0.25 0.875 0.871     | 62.4 -16.1 -25.7      | 30.3 237.9               |
| 215 | G75B_100_075de      | 0.25 0.625 1.0      | 1.0 0.75 0.625      | 240                 | 0.25 0.884 1.0       | 63.9 -14.8 -31.0      | 34.4 244.3               |
| 216 | Y68G_075_075de      | 0.25 0.75 0.0       | 0.75 0.75 0.375     | 131                 | 0.138 0.75 0.0       | 48.4 -38.2 31.9       | 49.8 140.0               |
| 217 | Y81G_075_062de      | 0.25 0.75 0.125     | 0.75 0.625 0.437    | 139                 | 0.168 0.75 0.125     | 50.9 -36.9 21.8       | 42.8 149.4               |
| 218 | G00B_075_050de      | 0.25 0.75 0.25      | 0.75 0.5 0.5        | 150                 | 0.25 0.75 0.325      | 55.3 -31.0 9.9        | 32.6 162.2               |
| 219 | G11B_075_050de      | 0.25 0.75 0.375     | 0.75 0.5 0.5        | 164                 | 0.25 0.75 0.425      | 55.9 -27.7 2.4        | 27.8 175.0               |
| 220 | C25B_075_050de      | 0.25 0.75 0.5       | 0.75 0.5 0.5        | 180                 | 0.25 0.75 0.501      | 56.5 -24.3 -4.1       | 24.6 189.6               |
| 221 | G38B_075_050de      | 0.25 0.75 0.625     | 0.75 0.5 0.5        | 196                 | 0.25 0.75 0.566      | 57.0 -21.0 -9.4       | 23.0 204.2               |
| 222 | G50B_075_050de      | 0.25 0.75 0.75      | 0.75 0.5 0.5        | 210                 | 0.25 0.75 0.623      | 57.5 -18.1 -13.6      | 22.6 216.9               |
| 223 | G59B_087_062de      | 0.25 0.75 0.875     | 0.875 0.625 0.562   | 221                 | 0.25 0.875 0.877     | 61.8 -19.6 -21.0      | 28.8 227.0               |
| 224 | G65B_100_075de      | 0.25 0.75 1.0       | 1.0 0.75 0.625      | 229                 | 0.25 1.0 0.961       | 66.2 -20.8 -29.0      | 35.7 234.3               |
| 225 | Y73G_087_087de      | 0.25 0.875 0.0      | 0.875 0.875 0.437   | 134                 | 0.119 0.875 0.0      | 51.2 -46.7 34.4       | 58.0 143.5               |
| 226 | Y85G_087_075de      | 0.25 0.875 0.125    | 0.875 0.75 0.5      | 141                 | 0.157 0.875 0.125    | 53.7 -46.0 24.7       | 52.2 151.7               |
| 227 | G00B_087_062de      | 0.25 0.875 0.25     | 0.875 0.625 0.562   | 150                 | 0.25 0.875 0.344     | 58.6 -38.8 12.4       | 40.7 162.2               |
| 228 | G09B_087_062de      | 0.25 0.875 0.375    | 0.875 0.625 0.562   | 161                 | 0.25 0.875 0.445     | 59.2 -35.6 4.8        | 35.9 172.2               |
| 229 | G19B_087_062de      | 0.25 0.875 0.5      | 0.875 0.625 0.562   | 173                 | 0.25 0.875 0.524     | 59.7 -32.4 -1.8       | 32.4 183.2               |
| 230 | G30B_087_062de      | 0.25 0.875 0.625    | 0.875 0.625 0.562   | 187                 | 0.25 0.875 0.599     | 60.3 -28.7 -8.2       | 29.8 195.9               |
| 231 | G40B_087_062de      | 0.25 0.875 0.75     | 0.875 0.625 0.562   | 199                 | 0.25 0.875 0.661     | 60.8 -25.5 -12.9      | 28.6 206.9               |
| 232 | G50B_087_062de      | 0.25 0.875 0.875    | 0.875 0.625 0.562   | 210                 | 0.25 0.875 0.717     | 61.3 -22.6 -17.0      | 28.3 216.9               |
| 233 | C57B_100_075de      | 0.25 0.875 1.0      | 1.0 0.75 0.625      | 219                 | 0.25 1.0 0.879       | 65.6 -24.2 -24.4      | 34.4 225.1               |
| 234 | Y76G_100_100de      | 0.25 1.0 0.0        | 1.0 1.0 0.5         | 136                 | 0.108 1.0 0.0        | 54.1 -55.5 37.5       | 67.0 145.9               |
| 235 | Y86G_100_087de      | 0.25 1.0 0.125      | 1.0 0.875 0.562     | 142                 | 0.15 1.0 0.125       | 56.7 -54.7 27.9       | 61.4 152.9               |
| 236 | G00B_100_075de      | 0.25 1.0 0.25       | 1.0 0.75 0.625      | 150                 | 0.25 1.0 0.363       | 61.9 -46.5 14.9       | 48.9 162.2               |
| 237 | G07B_100_075de      | 0.25 1.0 0.375      | 1.0 0.75 0.625      | 159                 | 0.25 1.0 0.465       | 62.5 -43.3 7.3        | 43.9 170.4               |
| 238 | G15B_100_075de      | 0.25 1.0 0.5        | 1.0 0.75 0.625      | 169                 | 0.25 1.0 0.552       | 63.0 -40.1 0.3        | 40.1 179.5               |
| 239 | C25B_100_075de      | 0.25 1.0 0.625      | 1.0 0.75 0.625      | 180                 | 0.25 1.0 0.626       | 63.6 -36.4 1.0        | 36.9 189.6               |
| 240 | G34B_100_075de      | 0.25 1.0 0.75       | 1.0 0.75 0.625      | 191                 | 0.25 1.0 0.694       | 64.2 -33.1 -11.8      | 35.2 199.6               |
| 241 | G42B_100_075de      | 0.25 1.0 0.875      | 1.0 0.75 0.625      | 201                 | 0.25 1.0 0.755       | 64.7 -30.1 -16.5      | 34.3 208.7               |
| 242 | G50B_100_075de      | 0.25 1.0 1.0        | 1.0 0.75 0.625      | 210                 | 0.25 1.0 0.81        | 65.1 -27.1 -20.4      | 33.9 216.9               |

| hsiM <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|--------------------|---------------------|-----------------------|
| 375                | 1.0 0.0 0.254       | 45.6 72.2 34.4        |
| 315                | 0.736 0.0 0.1       | 41.4 70.4 -9.8        |
| 288                | 0.321 0.0 1.0       | 31.1 47.7 -29.1       |
| 273                | 0.064 0.0 1.0       | 26.5 32.9 -38.4       |
| 264                | 0.0 0.105 1.0       | 28.1 23.4 -40.3       |
| 259                | 0.0 0.198 1.0       | 31.1 17.6 -40.4       |
| 256                | 0.0 0.248 1.0       | 32.8 14.4 -40.2       |
| 254                | 0.0 0.281 1.0       | 33.9 12.2 -40.3       |
| 252                | 0.0 0.302 1.0       | 34.7 10.8 -40.4       |
| 53                 | 1.0 0.398 0.0       | 60.2 38.2 63.4        |
| 375                | 1.0 0.0 0.254       | 45.6 72.2 34.4        |
| 288                | 0.321 0.0 1.0       | 31.1 47.7 -29.1       |
| 264                | 0.0 0.105 1.0       | 28.1 23.4 -40.3       |
| 256                | 0.0 0.248 1.0       | 32.8 14.4 -40.2       |
| 252                | 0.0 0.302 1.0       | 34.7 10.8 -40.4       |
| 250                | 0.0 0.335 1.0       | 35.9 8.7 -40.4        |
| 249                | 0.0 0.356 1.0       | 36.6 7.3 -40.3        |
| 248                | 0.0 0.367 1.0       | 37.0 6.6 -40.2        |
| 83                 | 1.0 0.878 0.0       | 83.6 -3.6 90.4        |
| 83                 | 1.0 0.878 0.0       | 83.6 -3.6 90.4        |
| 360                | 1.0 1.0 1.0         | 95.6 0.0 0.0          |
| 242                | 0.0 0.458 1.0       | 40.2 1.2 -40.6        |
| 242                | 0.0 0.458 1.0       | 40.2 1.2 -40.6        |
| 242                | 0.0 0.458 1.0       | 40.2 1.2 -40.6        |
| 242                | 0.0 0.458 1.0       | 40.2 1.2 -40.6        |
| 242                | 0.0 0.458 1.0       | 40.2 1.2 -40.6        |
| 120                | 0.493 1.0 0.0       | 70.3 -30.0 66.1       |
| 131                | 0.322 1.0 0.0       | 62.6 -40.9 53.8       |
| 158                | 0.0 1.0 0.151       | 50.6 -                |

http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF /.PS; 3D-linearization  
F: 3D-linearization TE78/TE78LE30FP.DAT in file (F), page 12/22

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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*F <sub>de</sub>         | rgb_F <sub>de</sub> | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | cmyn*sep.F <sub>de</sub> | hsiM <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|-----|-----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|--------------------------|--------------------|---------------------|-----------------------|
| 243 | R00Y_037_037a <sub>de</sub> | 0.375 0.0 0.0       | 0.375 0.375 0.187   | 390                 | 0.375 0.0 0.095     | 32.3 27.0 12.9        | 30.0 25.4                | 0.671 0.921 0.895  | 0.0                 |                       |
| 244 | R18Y_037_037a <sub>de</sub> | 0.375 0.0 0.125     | 0.375 0.375 0.187   | 371                 | 0.375 0.0 0.31      | 32.4 29.2 2.2         | 29.2 4.3                 | 0.68 0.92 0.651    | 0.0                 |                       |
| 245 | B65R_037_037a <sub>de</sub> | 0.375 0.0 0.25      | 0.375 0.375 0.187   | 349                 | 0.226 0.0 0.375     | 29.3 24.1 -5.7        | 24.7 346.6               | 0.778 0.953 0.604  | 0.0                 |                       |
| 246 | B50R_037_037a <sub>de</sub> | 0.375 0.0 0.375     | 0.375 0.375 0.187   | 330                 | 0.12 0.0 0.375      | 26.9 17.9 -10.9       | 20.9 328.6               | 0.887 0.986 0.593  | 0.0                 |                       |
| 247 | B38R_050_050a <sub>de</sub> | 0.375 0.0 0.5       | 0.5 0.5 0.25        | 316                 | 0.067 0.0 0.5       | 26.1 18.2 -18.0       | 25.7 315.3               | 0.924 0.993 0.469  | 0.0                 |                       |
| 248 | B30R_062_062a <sub>de</sub> | 0.375 0.0 0.625     | 0.625 0.625 0.312   | 307                 | 0.005 0.0 0.625     | 24.9 18.7 -25.1       | 31.3 306.8               | 0.977 1.0 0.354    | 0.0                 |                       |
| 249 | B25R_075_075a <sub>de</sub> | 0.375 0.0 0.75      | 0.75 0.75 0.375     | 300                 | 0.0 0.079 0.75      | 27.1 17.6 -30.2       | 35.0 300.1               | 0.984 0.924 0.243  | 0.0                 |                       |
| 250 | B20R_087_087a <sub>de</sub> | 0.375 0.0 0.875     | 0.875 0.875 0.437   | 295                 | 0.0 0.151 0.875     | 29.5 16.8 -35.3       | 39.1 295.4               | 0.991 0.845 0.12   | 0.0                 |                       |
| 251 | B18R_100_100a <sub>de</sub> | 0.375 0.0 1.0       | 1.0 1.0 0.5         | 292                 | 0.0 0.21 1.0        | 31.5 16.8 -40.4       | 43.7 292.5               | 1.0 0.787 0.0      | 0.0                 |                       |
| 252 | R31Y_037_037a <sub>de</sub> | 0.375 0.125 0.0     | 0.375 0.375 0.187   | 49                  | 0.375 0.092 0.0     | 35.3 19.6 20.7        | 28.5 46.6                | 0.666 0.828 1.0    | 0.0                 |                       |
| 253 | R00Y_037_025a <sub>de</sub> | 0.375 0.125 0.125   | 0.375 0.25 0.25     | 390                 | 0.375 0.124 0.188   | 38.6 18.0 8.6         | 20.0 25.4                | 0.655 0.765 0.675  | 0.0                 |                       |
| 254 | R00Y_037_025a <sub>de</sub> | 0.375 0.125 0.25    | 0.375 0.25 0.25     | 360                 | 0.375 0.124 0.375   | 37.5 17.6 -2.4        | 17.7 352.0               | 0.696 0.771 0.531  | 0.0                 |                       |
| 255 | B50R_037_025a <sub>de</sub> | 0.375 0.125 0.375   | 0.375 0.25 0.25     | 330                 | 0.205 0.124 0.375   | 34.9 11.9 -7.2        | 13.9 328.6               | 0.783 0.778 0.524  | 0.0                 |                       |
| 256 | B34R_050_037a <sub>de</sub> | 0.375 0.125 0.5     | 0.5 0.375 0.312     | 311                 | 0.149 0.124 0.5     | 34.0 12.3 -14.4       | 19.0 310.5               | 0.834 0.793 0.435  | 0.0                 |                       |
| 257 | B25R_062_050a <sub>de</sub> | 0.375 0.125 0.625   | 0.625 0.5 0.375     | 300                 | 0.125 0.177 0.625   | 35.1 11.7 -20.1       | 23.3 300.1               | 0.86 0.763 0.332   | 0.0                 |                       |
| 258 | B19R_075_062a <sub>de</sub> | 0.375 0.125 0.75    | 0.75 0.625 0.437    | 293                 | 0.125 0.248 0.75    | 37.4 11.0 -25.2       | 27.5 293.5               | 0.862 0.705 0.225  | 0.0                 |                       |
| 259 | B15R_087_075a <sub>de</sub> | 0.375 0.125 0.875   | 0.875 0.75 0.5      | 289                 | 0.125 0.311 0.875   | 39.6 10.8 -30.1       | 32.0 289.7               | 0.861 0.65 0.119   | 0.0                 |                       |
| 260 | B13R_100_087a <sub>de</sub> | 0.375 0.125 1.0     | 1.0 0.875 0.562     | 286                 | 0.125 0.37 1.0      | 41.6 10.7 -35.3       | 36.9 286.9               | 0.868 0.594 0.006  | 0.0                 |                       |
| 261 | R68Y_037_037a <sub>de</sub> | 0.375 0.25 0.0      | 0.375 0.375 0.187   | 71                  | 0.375 0.203 0.0     | 40.5 9.2 26.9         | 28.4 71.1                | 0.656 0.694 0.99   | 0.0                 |                       |
| 262 | R50Y_037_025a <sub>de</sub> | 0.375 0.25 0.125    | 0.375 0.25 0.25     | 60                  | 0.375 0.224 0.124   | 42.2 9.5 15.8         | 18.5 58.8                | 0.65 0.664 0.749   | 0.0                 |                       |
| 263 | R00Y_037_012a <sub>de</sub> | 0.375 0.25 0.25     | 0.375 0.125 0.312   | 390                 | 0.375 0.249 0.281   | 44.8 9.0 4.3          | 10.0 25.4                | 0.651 0.62 0.55    | 0.0                 |                       |
| 264 | B50R_037_012a <sub>de</sub> | 0.375 0.25 0.375    | 0.375 0.125 0.312   | 330                 | 0.29 0.249 0.375    | 43.0 5.9 -3.6         | 6.9 328.6                | 0.709 0.61 0.475   | 0.0                 |                       |
| 265 | B25R_050_025a <sub>de</sub> | 0.375 0.25 0.5      | 0.5 0.25 0.375      | 300                 | 0.249 0.276 0.5     | 43.1 5.8 -10.0        | 11.6 300.1               | 0.727 0.592 0.383  | 0.0                 |                       |
| 266 | B15R_062_037a <sub>de</sub> | 0.375 0.25 0.625    | 0.625 0.375 0.437   | 289                 | 0.25 0.343 0.625    | 45.3 5.4 -15.0        | 16.0 289.7               | 0.726 0.552 0.293  | 0.0                 |                       |
| 267 | B11R_075_050a <sub>de</sub> | 0.375 0.25 0.75     | 0.75 0.5 0.5        | 284                 | 0.25 0.401 0.75     | 47.3 5.4 -20.2        | 20.9 285.0               | 0.724 0.509 0.199  | 0.0                 |                       |
| 268 | B09R_087_062a <sub>de</sub> | 0.375 0.25 0.875    | 0.875 0.625 0.562   | 281                 | 0.25 0.459 0.875    | 49.4 5.4 -25.2        | 25.8 282.1               | 0.727 0.469 0.102  | 0.0                 |                       |
| 269 | B07R_100_075a <sub>de</sub> | 0.375 0.25 1.0      | 1.0 0.75 0.625      | 279                 | 0.25 0.517 1.0      | 51.4 5.4 -30.2        | 30.7 280.2               | 0.728 0.435 0.007  | 0.0                 |                       |
| 270 | Y00G_037_037a <sub>de</sub> | 0.375 0.375 0.0     | 0.375 0.375 0.187   | 90                  | 0.375 0.329 0.0     | 46.5 -1.3 33.9        | 33.9 92.3                | 0.646 0.537 0.977  | 0.0                 |                       |
| 271 | Y00G_037_025a <sub>de</sub> | 0.375 0.375 0.125   | 0.375 0.25 0.25     | 90                  | 0.375 0.344 0.124   | 48.0 -0.9 22.6        | 22.6 92.3                | 0.64 0.52 0.778    | 0.0                 |                       |
| 272 | Y00G_037_012a <sub>de</sub> | 0.375 0.375 0.25    | 0.375 0.125 0.312   | 90                  | 0.375 0.359 0.249   | 49.5 -0.4 11.3        | 11.3 92.3                | 0.644 0.497 0.607  | 0.0                 |                       |
| 273 | NW_037a <sub>de</sub>       | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 51.0 0.0 0.0          | 0.0 0.0 0.0              | 0.653 0.473 0.452  | 0.0                 |                       |
| 274 | B00R_050_012a <sub>de</sub> | 0.375 0.375 0.5     | 0.5 0.125 0.437     | 270                 | 0.375 0.432 0.5     | 53.0 0.1 -5.0         | 5.0 271.7                | 0.648 0.445 0.366  | 0.0                 |                       |
| 275 | B00R_062_025a <sub>de</sub> | 0.375 0.375 0.625   | 0.625 0.25 0.5      | 270                 | 0.375 0.489 0.625   | 55.0 0.3 -10.1        | 10.1 271.7               | 0.645 0.421 0.282  | 0.0                 |                       |
| 276 | B00R_075_037a <sub>de</sub> | 0.375 0.375 0.75    | 0.75 0.375 0.562    | 270                 | 0.375 0.546 0.75    | 57.0 0.4 -15.2        | 15.2 271.7               | 0.645 0.394 0.192  | 0.0                 |                       |
| 277 | B00R_087_050a <sub>de</sub> | 0.375 0.375 0.875   | 0.875 0.5 0.625     | 270                 | 0.375 0.604 0.875   | 59.0 0.6 -20.3        | 20.3 271.7               | 0.645 0.361 0.099  | 0.0                 |                       |
| 278 | B00R_100_062a <sub>de</sub> | 0.375 0.375 1.0     | 1.0 0.625 0.687     | 270                 | 0.375 0.661 1.0     | 61.0 0.7 -25.4        | 25.4 271.7               | 0.646 0.317 0.008  | 0.0                 |                       |
| 279 | Y23G_050_050a <sub>de</sub> | 0.375 0.5 0.0       | 0.5 0.5 0.25        | 104                 | 0.302 0.5 0.0       | 49.4 -12.5 37.1       | 39.2 108.6               | 0.671 0.432 0.989  | 0.0                 |                       |
| 280 | Y31G_050_037a <sub>de</sub> | 0.375 0.5 0.125     | 0.5 0.375 0.312     | 109                 | 0.31 0.5 0.124      | 50.5 -11.2 24.7       | 27.2 114.4               | 0.668 0.426 0.791  | 0.0                 |                       |
| 281 | Y50G_050_025a <sub>de</sub> | 0.375 0.5 0.25      | 0.5 0.25 0.375      | 120                 | 0.33 0.5 0.249      | 51.7 -10.2 13.4       | 16.9 127.2               | 0.675 0.412 0.625  | 0.0                 |                       |
| 282 | G00B_050_012a <sub>de</sub> | 0.375 0.5 0.375     | 0.5 0.125 0.437     | 150                 | 0.375 0.5 0.393     | 54.3 -7.7 2.4         | 8.1 162.2                | 0.66 0.388 0.469   | 0.0                 |                       |
| 283 | G50B_050_012a <sub>de</sub> | 0.375 0.5 0.5       | 0.5 0.125 0.437     | 210                 | 0.375 0.5 0.468     | 54.9 -4.5 -3.4        | 5.6 216.9                | 0.652 0.395 0.382  | 0.0                 |                       |
| 284 | G75B_062_025a <sub>de</sub> | 0.375 0.5 0.625     | 0.625 0.25 0.5      | 240                 | 0.375 0.586 0.625   | 58.3 -4.9 -10.3       | 11.4 244.3               | 0.647 0.342 0.268  | 0.0                 |                       |
| 285 | G84B_075_037a <sub>de</sub> | 0.375 0.5 0.75      | 0.75 0.375 0.562    | 251                 | 0.375 0.625 0.75    | 59.8 -4.3 -15.4       | 15.9 254.3               | 0.649 0.317 0.183  | 0.0                 |                       |
| 286 | G88B_087_050a <sub>de</sub> | 0.375 0.5 0.875     | 0.875 0.5 0.625     | 256                 | 0.375 0.676 0.875   | 61.7 -3.9 -20.4       | 20.8 258.9               | 0.65 0.284 0.096   | 0.0                 |                       |
| 287 | G90B_100_062a <sub>de</sub> | 0.375 0.5 1.0       | 1.0 0.625 0.687     | 259                 | 0.375 0.732 1.0     | 63.6 -3.7 -25.6       | 25.8 261.6               | 0.652 0.247 0.006  | 0.0                 |                       |
| 288 | Y38G_062_062a <sub>de</sub> | 0.375 0.625 0.0     | 0.625 0.625 0.312   | 113                 | 0.258 0.625 0.0     | 51.1 -21.2 38.0       | 43.5 119.1               | 0.694 0.352 0.984  | 0.0                 |                       |
| 289 | Y50G_062_050a <sub>de</sub> | 0.375 0.625 0.125   | 0.625 0.5 0.375     | 120                 | 0.286 0.625 0.125   | 52.4 -20.4 26.9       | 33.8 127.2               | 0.695 0.334 0.807  | 0.0                 |                       |
| 290 | Y68G_062_037a <sub>de</sub> | 0.375 0.625 0.25    | 0.625 0.375 0.437   | 131                 | 0.319 0.625 0.25    | 54.2 -19.1 15.9       | 24.9 140.0               | 0.697 0.308 0.646  | 0.0                 |                       |
| 291 | G00B_062_025a <sub>de</sub> | 0.375 0.625 0.375   | 0.625 0.25 0.5      | 150                 | 0.375 0.625 0.412   | 57.6 -15.5 4.9        | 16.3 162.2               | 0.67 0.275 0.482   | 0.0                 |                       |
| 292 | G25B_062_025a <sub>de</sub> | 0.375 0.625 0.5     | 0.625 0.25 0.5      | 180                 | 0.375 0.625 0.5     | 58.2 -12.1 -2.0       | 12.3 189.6               | 0.665 0.286 0.396  | 0.0                 |                       |
| 293 | G50B_062_025a <sub>de</sub> | 0.375 0.625 0.625   | 0.625 0.25 0.5      | 210                 | 0.375 0.625 0.561   | 58.7 -9.0 -6.8        | 11.3 216.9               | 0.656 0.3 0.324    | 0.0                 |                       |
| 294 | G65B_075_037a <sub>de</sub> | 0.375 0.625 0.75    | 0.75 0.375 0.562    | 229                 | 0.375 0.75 0.73     | 63.1 -10.4 -14.5      | 17.8 234.3               | 0.654 0.215 0.192  | 0.0                 |                       |
| 295 | G75B_087_050a <sub>de</sub> | 0.375 0.625 0.875   | 0.875 0.5 0.625     | 240                 | 0.375 0.798 0.875   | 65.5 -9.9 -20.6       | 22.9 244.3               | 0.654 0.178 0.088  | 0.0                 |                       |
| 296 | G80B_100_062a <sub>de</sub> | 0.375 0.625 1.0     | 1.0 0.625 0.687     | 247                 | 0.375 0.828 1.0     | 66.9 -8.9 -25.7       | 27.2 250.7               | 0.656 0.155 0.006  | 0.0                 |                       |
| 297 | Y50G_075_075a <sub>de</sub> | 0.375 0.75 0.0      | 0.75 0.75 0.375     | 120                 | 0.241 0.75 0.0      | 53.0 -30.7 40.3       | 50.7 127.2               | 0.719 0.241 0.996  | 0.0                 |                       |
| 298 | Y61G_075_062a <sub>de</sub> | 0.375 0.75 0.125    | 0.75 0.625 0.437    | 127                 | 0.28 0.75 0.125     | 54.5 -29.6 29.2       | 41.6 135.4               | 0.724 0.223 0.82   | 0.0                 |                       |
| 299 | Y76G_075_050a <sub>de</sub> | 0.375 0.75 0.25     | 0.75 0.5 0.5        | 136                 | 0.304 0.75 0.25     | 57.0 -27.7 18.7       | 33.5 145.9               | 0.717 0.194 0.662  | 0.0                 |                       |
| 300 | G00B_075_037a <sub>de</sub> | 0.375 0.75 0.375    | 0.75 0.375 0.562    | 150                 | 0.375 0.75 0.431    | 60.9 -23.2 7.4        | 24.4 162.2               | 0.68 0.167 0.494   | 0.0                 |                       |
| 301 |                             |                     |                     |                     |                     |                       |                          |                    |                     |                       |



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technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fde        | rgb_Fde         | ict_Fde           | hsi_Fde | rgb*Fde           | LabCh*Fde        | cmyn*sep.Fde | hsiMde      | rgb*Mde   | LabCh*Mde |
|-----|----------------|-----------------|-------------------|---------|-------------------|------------------|--------------|-------------|-----------|-----------|
| 324 | R00Y_050_050de | 0.5 0.0 0.0     | 0.5 0.5 0.25      | 390     | 0.5 0.0 0.127     | 35.0 36.1 17.2   | 40.0 25.4    | 0.567 0.932 | 0.871 0.0 |           |
| 325 | R26Y_050_050de | 0.5 0.0 0.125   | 0.5 0.5 0.25      | 376     | 0.5 0.0 0.328     | 35.1 38.0 6.6    | 38.6 9.8     | 0.572 0.928 | 0.643 0.0 |           |
| 326 | R00Y_050_050de | 0.5 0.0 0.25    | 0.5 0.5 0.25      | 360     | 0.368 0.0 0.5     | 32.8 35.2 -4.9   | 35.5 352.0   | 0.659 0.942 | 0.499 0.0 |           |
| 327 | B61R_050_050de | 0.5 0.0 0.375   | 0.5 0.5 0.25      | 344     | 0.261 0.0 0.5     | 30.2 29.9 -9.8   | 31.5 341.8   | 0.73 0.959  | 0.486 0.0 |           |
| 328 | B50R_050_050de | 0.5 0.0 0.5     | 0.5 0.5 0.25      | 330     | 0.16 0.0 0.5      | 27.7 23.8 -14.5  | 27.9 328.6   | 0.84 0.99   | 0.486 0.0 |           |
| 329 | B40R_062_062de | 0.5 0.0 0.625   | 0.625 0.625 0.312 | 319     | 0.114 0.0 0.625   | 26.8 24.2 -21.7  | 32.5 318.1   | 0.888 1.0   | 0.376 0.0 |           |
| 330 | B34R_075_075de | 0.5 0.0 0.75    | 0.75 0.75 0.375   | 311     | 0.048 0.0 0.75    | 25.9 24.7 -28.8  | 38.0 310.5   | 0.94 1.0    | 0.253 0.0 |           |
| 331 | B29R_087_087de | 0.5 0.0 0.875   | 0.875 0.875 0.375 | 305     | 0.0 0.02 0.875    | 25.5 24.7 -35.4  | 43.1 304.9   | 0.991 0.981 | 0.131 0.0 |           |
| 332 | B25R_100_100de | 0.5 0.0 1.0     | 1.0 1.0 0.5       | 300     | 0.0 0.105 1.0     | 28.1 23.4 -40.3  | 46.7 300.1   | 1.0 0.893   | 0.0 0.0   |           |
| 333 | R23Y_050_050de | 0.5 0.125 0.0   | 0.5 0.5 0.25      | 44      | 0.5 0.083 0.0     | 37.4 29.6 25.8   | 39.3 41.0    | 0.564 0.849 | 1.0 0.0   |           |
| 334 | R00Y_050_037de | 0.5 0.125 0.125 | 0.5 0.375 0.312   | 390     | 0.5 0.124 0.22    | 41.2 27.0 12.9   | 30.0 25.4    | 0.545 0.784 | 0.677 0.0 |           |
| 335 | R18Y_050_037de | 0.5 0.125 0.25  | 0.5 0.375 0.312   | 371     | 0.5 0.124 0.435   | 41.3 29.2 2.2    | 29.2 4.3     | 0.558 0.789 | 0.507 0.0 |           |
| 336 | B65R_050_037de | 0.5 0.125 0.375 | 0.5 0.375 0.312   | 349     | 0.351 0.124 0.5   | 38.2 24.1 -5.7   | 24.7 346.6   | 0.659 0.793 | 0.448 0.0 |           |
| 337 | B50R_050_037de | 0.5 0.125 0.5   | 0.5 0.375 0.312   | 330     | 0.245 0.124 0.5   | 35.8 17.9 -10.9  | 20.9 328.6   | 0.736 0.786 | 0.43 0.0  |           |
| 338 | B38R_062_050de | 0.5 0.125 0.625 | 0.625 0.5 0.375   | 316     | 0.192 0.125 0.625 | 35.0 18.2 -18.0  | 25.7 315.3   | 0.78 0.792  | 0.331 0.0 |           |
| 339 | B30R_075_062de | 0.5 0.125 0.75  | 0.75 0.625 0.437  | 307     | 0.13 0.125 0.75   | 33.8 18.7 -25.1  | 31.3 306.8   | 0.847 0.814 | 0.241 0.0 |           |
| 340 | B25R_087_075de | 0.5 0.125 0.875 | 0.875 0.75 0.5    | 300     | 0.125 0.204 0.875 | 36.0 17.6 -30.2  | 35.0 300.1   | 0.86 0.756  | 0.124 0.0 |           |
| 341 | B20R_100_087de | 0.5 0.125 1.0   | 1.0 0.875 0.562   | 295     | 0.125 0.276 1.0   | 38.4 16.8 -35.3  | 39.1 295.4   | 0.863 0.691 | 0.001 0.0 |           |
| 342 | R50Y_050_050de | 0.5 0.25 0.0    | 0.5 0.5 0.25      | 60      | 0.5 0.199 0.0     | 42.3 19.1 31.7   | 37.0 58.8    | 0.557 0.734 | 1.0 0.0   |           |
| 343 | R31Y_050_037de | 0.5 0.25 0.125  | 0.5 0.375 0.312   | 49      | 0.5 0.217 0.124   | 44.2 19.6 20.7   | 28.5 46.6    | 0.54 0.705  | 0.771 0.0 |           |
| 344 | R00Y_050_025de | 0.5 0.25 0.25   | 0.5 0.25 0.375    | 390     | 0.5 0.249 0.313   | 47.5 18.0 8.6    | 20.0 25.4    | 0.534 0.65  | 0.549 0.0 |           |
| 345 | R00Y_050_025de | 0.5 0.25 0.375  | 0.5 0.25 0.375    | 360     | 0.434 0.249 0.5   | 46.4 17.6 -2.4   | 17.7 352.0   | 0.591 0.65  | 0.41 0.0  |           |
| 346 | B50R_050_025de | 0.5 0.25 0.5    | 0.5 0.25 0.375    | 330     | 0.33 0.249 0.5    | 43.8 11.9 -7.2   | 13.9 328.6   | 0.675 0.632 | 0.39 0.0  |           |
| 347 | B34R_062_037de | 0.5 0.25 0.625  | 0.625 0.375 0.437 | 311     | 0.274 0.25 0.625  | 42.9 12.3 -14.4  | 19.0 310.5   | 0.706 0.632 | 0.298 0.0 |           |
| 348 | B25R_075_050de | 0.5 0.25 0.75   | 0.75 0.5 0.5      | 300     | 0.25 0.302 0.75   | 44.0 11.7 -20.1  | 23.3 300.1   | 0.72 0.598  | 0.205 0.0 |           |
| 349 | B19R_087_062de | 0.5 0.25 0.875  | 0.875 0.625 0.562 | 293     | 0.25 0.373 0.875  | 46.4 11.0 -25.2  | 27.5 293.5   | 0.723 0.541 | 0.105 0.0 |           |
| 350 | B15R_100_075de | 0.5 0.25 1.0    | 1.0 0.75 0.625    | 289     | 0.25 0.436 1.0    | 48.5 10.8 -30.1  | 32.0 289.7   | 0.724 0.5   | 0.005 0.0 |           |
| 351 | R76Y_050_050de | 0.5 0.375 0.0   | 0.5 0.5 0.25      | 76      | 0.5 0.302 0.0     | 47.6 8.9 37.9    | 38.9 76.7    | 0.544 0.599 | 0.996 0.0 |           |
| 352 | R68Y_050_037de | 0.5 0.375 0.125 | 0.5 0.375 0.312   | 71      | 0.5 0.328 0.124   | 49.4 9.2 26.9    | 28.4 71.1    | 0.533 0.575 | 0.797 0.0 |           |
| 353 | R50Y_050_025de | 0.5 0.375 0.25  | 0.5 0.25 0.375    | 60      | 0.5 0.349 0.249   | 51.1 9.5 15.8    | 18.5 58.8    | 0.531 0.553 | 0.62 0.0  |           |
| 354 | R00Y_050_012de | 0.5 0.375 0.375 | 0.5 0.125 0.437   | 390     | 0.5 0.375 0.406   | 53.7 9.0 4.3     | 10.0 25.4    | 0.534 0.509 | 0.45 0.0  |           |
| 355 | B50R_050_012de | 0.5 0.375 0.5   | 0.5 0.125 0.437   | 330     | 0.415 0.375 0.5   | 51.9 5.9 -3.6    | 6.9 328.6    | 0.618 0.497 | 0.38 0.0  |           |
| 356 | B25R_062_025de | 0.5 0.375 0.625 | 0.625 0.25 0.5    | 300     | 0.375 0.401 0.625 | 52.0 5.8 -10.0   | 11.6 300.1   | 0.64 0.487  | 0.291 0.0 |           |
| 357 | B15R_075_037de | 0.5 0.375 0.75  | 0.75 0.375 0.562  | 289     | 0.375 0.468 0.75  | 54.2 5.4 -15.0   | 16.0 289.7   | 0.64 0.453  | 0.199 0.0 |           |
| 358 | B11R_087_050de | 0.5 0.375 0.875 | 0.875 0.5 0.625   | 284     | 0.375 0.526 0.875 | 56.2 5.4 -20.2   | 20.9 285.0   | 0.641 0.421 | 0.103 0.0 |           |
| 359 | B09R_100_062de | 0.5 0.375 1.0   | 1.0 0.625 0.687   | 281     | 0.375 0.584 1.0   | 58.3 5.4 -25.2   | 25.8 282.1   | 0.639 0.387 | 0.008 0.0 |           |
| 360 | Y00G_050_050de | 0.5 0.5 0.0     | 0.5 0.5 0.25      | 90      | 0.5 0.439 0.0     | 54.0 -1.8 45.2   | 45.2 92.3    | 0.531 0.448 | 0.991 0.0 |           |
| 361 | Y00G_050_037de | 0.5 0.5 0.125   | 0.5 0.375 0.312   | 90      | 0.5 0.454 0.124   | 55.5 -1.3 33.9   | 33.9 92.3    | 0.52 0.436  | 0.814 0.0 |           |
| 362 | Y00G_050_025de | 0.5 0.5 0.25    | 0.5 0.25 0.375    | 90      | 0.5 0.469 0.249   | 57.0 -0.9 22.6   | 22.6 92.3    | 0.519 0.421 | 0.655 0.0 |           |
| 363 | Y00G_050_012de | 0.5 0.5 0.375   | 0.5 0.125 0.437   | 90      | 0.5 0.484 0.375   | 58.5 -0.4 11.3   | 11.3 92.3    | 0.524 0.403 | 0.506 0.0 |           |
| 364 | NW_050de       | 0.5 0.5 0.5     | 0.5 0.0 0.5       | 360     | 0.5 0.5 0.5       | 60.0 0.0 0.0     | 0.0 0.0      | 0.54 0.382  | 0.356 0.0 |           |
| 365 | B00R_062_012de | 0.5 0.5 0.625   | 0.625 0.125 0.562 | 270     | 0.5 0.557 0.625   | 61.9 0.1 -5.0    | 5.0 271.7    | 0.536 0.353 | 0.274 0.0 |           |
| 366 | B00R_075_025de | 0.5 0.5 0.75    | 0.75 0.25 0.625   | 270     | 0.5 0.614 0.75    | 63.9 0.3 -10.1   | 10.1 271.7   | 0.531 0.319 | 0.187 0.0 |           |
| 367 | B00R_087_037de | 0.5 0.5 0.875   | 0.875 0.375 0.687 | 270     | 0.5 0.671 0.875   | 65.9 0.4 -15.2   | 15.2 271.7   | 0.529 0.287 | 0.099 0.0 |           |
| 368 | B00R_100_050de | 0.5 0.5 1.0     | 1.0 0.5 0.75      | 270     | 0.5 0.729 1.0     | 67.9 0.6 -20.3   | 20.3 271.7   | 0.53 0.252  | 0.01 0.0  |           |
| 369 | Y18G_062_062de | 0.5 0.625 0.0   | 0.625 0.625 0.312 | 101     | 0.424 0.625 0.0   | 57.6 -13.3 49.4  | 51.2 105.1   | 0.567 0.322 | 0.996 0.0 |           |
| 370 | Y23G_062_050de | 0.5 0.625 0.125 | 0.625 0.5 0.375   | 104     | 0.427 0.625 0.125 | 58.3 -12.5 37.1  | 39.2 108.6   | 0.565 0.322 | 0.832 0.0 |           |
| 371 | Y31G_062_037de | 0.5 0.625 0.25  | 0.625 0.375 0.437 | 109     | 0.435 0.625 0.25  | 59.4 -11.2 24.7  | 27.2 114.4   | 0.565 0.312 | 0.675 0.0 |           |
| 372 | Y50G_062_025de | 0.5 0.625 0.375 | 0.625 0.25 0.5    | 120     | 0.455 0.625 0.375 | 60.6 -10.2 13.4  | 16.9 127.2   | 0.576 0.296 | 0.531 0.0 |           |
| 373 | G00B_062_012de | 0.5 0.625 0.5   | 0.625 0.125 0.562 | 150     | 0.5 0.625 0.518   | 63.2 -7.7 2.4    | 8.1 162.2    | 0.557 0.269 | 0.384 0.0 |           |
| 374 | G50B_062_012de | 0.5 0.625 0.625 | 0.625 0.125 0.562 | 210     | 0.5 0.625 0.593   | 63.8 -4.5 -3.4   | 5.6 216.9    | 0.546 0.284 | 0.296 0.0 |           |
| 375 | G75B_075_025de | 0.5 0.625 0.75  | 0.75 0.25 0.625   | 240     | 0.5 0.711 0.75    | 67.2 -4.9 -10.3  | 11.4 244.3   | 0.538 0.23  | 0.179 0.0 |           |
| 376 | G84B_087_037de | 0.5 0.625 0.875 | 0.875 0.375 0.687 | 251     | 0.5 0.75 0.875    | 68.8 -4.3 -15.4  | 15.9 254.3   | 0.538 0.211 | 0.094 0.0 |           |
| 377 | G88B_100_050de | 0.5 0.625 1.0   | 1.0 0.5 0.75      | 256     | 0.5 0.801 1.0     | 70.6 -3.9 -20.4  | 20.8 258.9   | 0.539 0.18  | 0.009 0.0 |           |
| 378 | Y31G_075_075de | 0.5 0.75 0.0    | 0.75 0.75 0.375   | 109     | 0.37 0.75 0.0     | 58.8 -22.5 49.5  | 54.4 114.4   | 0.619 0.226 | 0.996 0.0 |           |
| 379 | Y38G_075_062de | 0.5 0.75 0.125  | 0.75 0.625 0.437  | 113     | 0.383 0.75 0.125  | 60.0 -21.2 38.0  | 43.5 119.1   | 0.606 0.22  | 0.838 0.0 |           |
| 380 | Y50G_075_050de | 0.5 0.75 0.25   | 0.75 0.5 0.5      | 120     | 0.411 0.75 0.25   | 61.3 -20.4 26.9  | 33.8 127.2   | 0.61 0.205  | 0.699 0.0 |           |
| 381 | Y68G_075_037de | 0.5 0.75 0.375  | 0.75 0.375 0.562  | 131     | 0.444 0.75 0.375  | 63.1 -19.1 15.9  | 24.9 140.0   | 0.613 0.186 | 0.557 0.0 |           |
| 382 | G00B_075_025de | 0.5 0.75 0.5    | 0.75 0.25 0.625   | 150     | 0.5 0.75 0.537    | 66.5 -15.5 4.9   | 16.3 162.2   | 0.575 0.165 | 0.403 0.0 |           |
| 383 | G25B_075_025de | 0.5 0.75 0.625  | 0.75 0.25 0.625   | 180     | 0.5 0.75 0.625    | 67.1 -12.1 -2.0  | 12.3 189.6   | 0.567 0.177 | 0.312 0.0 |           |
| 384 | G50B_075_025de | 0.5 0.75 0.75   | 0.75 0.25 0.625   | 210     | 0.5 0.75 0.686    | 67.6 -9.0 -6.8   | 11.3 216.9   | 0.552 0.191 | 0.241 0.0 |           |
| 385 | G65B_087_037de | 0.5 0.75 0.875  | 0.875 0.375 0.687 | 229     | 0.5 0.875 0.855   | 72.0 -10.4 -14.5 | 17.8 234.3   | 0.549 0.117 | 0.108 0.  |           |



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| n   | HIC*Fde        | rgb_Fde           | ict_Fde           | hsi_Fde | rgb*Fde           | LabCh*Fde       | cmyn*sep.Fde                     | hsi_Mde | rgb*Mde       | LabCh*Mde                  |
|-----|----------------|-------------------|-------------------|---------|-------------------|-----------------|----------------------------------|---------|---------------|----------------------------|
| 405 | R00Y_062_062da | 0.625 0.0 0.0     | 0.625 0.625 0.312 | 390     | 0.625 0.0 0.159   | 37.6 45.1 21.5  | 50.0 25.4 0.446 0.94 0.851 0.0   | 375     | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4   |
| 406 | R31Y_062_062da | 0.625 0.0 0.125   | 0.625 0.625 0.312 | 379     | 0.625 0.0 0.356   | 37.8 46.9 11.0  | 48.2 13.2 0.447 0.937 0.634 0.0  | 355     | 1.0 0.0 0.57  | 45.9 75.0 17.6 77.1 13.2   |
| 407 | R11Y_062_062da | 0.625 0.0 0.25    | 0.625 0.625 0.312 | 367     | 0.625 0.0 0.624   | 37.9 49.5 -0.1  | 49.5 359.8 0.456 0.941 0.426 0.0 | 330     | 1.0 0.0 0.999 | 46.1 79.3 -0.1 79.3 359.8  |
| 408 | B69R_062_062da | 0.625 0.0 0.375   | 0.625 0.625 0.312 | 353     | 0.432 0.0 0.625   | 34.2 42.8 -7.2  | 43.4 350.0 0.601 0.958 0.4 0.0   | 312     | 0.692 0.0 1.0 | 46.0 68.5 -11.5 69.4 350.4 |
| 409 | B59R_062_062da | 0.625 0.0 0.5     | 0.625 0.625 0.312 | 341     | 0.296 0.0 0.625   | 31.0 35.7 -13.7 | 38.3 339.0 0.697 0.97 0.377 0.0  | 298     | 0.473 0.0 1.0 | 35.0 57.2 -21.9 61.3 339.0 |
| 410 | B50R_062_062da | 0.625 0.0 0.625   | 0.625 0.625 0.312 | 330     | 0.201 0.0 0.625   | 28.5 29.8 -18.2 | 34.9 328.6 0.781 0.984 0.373 0.0 | 288     | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6 |
| 411 | B42R_075_075da | 0.625 0.0 0.75    | 0.75 0.75 0.375   | 321     | 0.161 0.0 0.75    | 27.5 30.2 -25.3 | 39.4 320.0 0.848 1.0 0.269 0.0   | 281     | 0.214 0.0 1.0 | 28.6 40.3 -33.7 52.6 320.0 |
| 412 | B36R_087_087da | 0.625 0.0 0.875   | 0.875 0.875 0.437 | 314     | 0.092 0.0 0.875   | 27.0 30.7 -32.4 | 44.7 313.4 0.901 0.994 0.135 0.0 | 275     | 0.106 0.0 1.0 | 27.4 35.1 -37.0 51.0 313.4 |
| 413 | B31R_100_100da | 0.625 0.0 1.0     | 1.0 1.0 0.5       | 308     | 0.022 0.0 1.0     | 25.5 30.7 -39.7 | 50.3 307.7 0.977 0.999 0.0 0.0   | 271     | 0.022 0.0 1.0 | 25.5 30.7 -39.7 50.3 307.7 |
| 414 | R18Y_062_062da | 0.625 0.125 0.0   | 0.625 0.625 0.312 | 41      | 0.625 0.072 0.0   | 39.5 39.6 30.6  | 50.1 37.7 0.442 0.865 1.0 0.0    | 36      | 1.0 0.115 0.0 | 48.6 63.4 49.1 80.2 37.7   |
| 415 | R00Y_062_050da | 0.625 0.125 0.125 | 0.625 0.5 0.375   | 390     | 0.625 0.125 0.252 | 43.9 36.1 17.2  | 40.0 25.4 0.418 0.79 0.65 0.0    | 375     | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4   |
| 416 | R26Y_062_050da | 0.625 0.125 0.25  | 0.625 0.5 0.375   | 376     | 0.625 0.125 0.453 | 44.0 38.0 6.6   | 38.6 9.8 0.426 0.795 0.492 0.0   | 349     | 1.0 0.0 0.657 | 46.0 76.1 13.2 77.2 9.8    |
| 417 | R00Y_062_050da | 0.625 0.125 0.375 | 0.625 0.5 0.375   | 360     | 0.493 0.125 0.625 | 41.8 35.2 -4.9  | 35.5 352.0 0.526 0.811 0.364 0.0 | 315     | 0.736 0.0 1.0 | 41.4 70.4 -9.8 71.1 352.0  |
| 418 | B61R_062_050da | 0.625 0.125 0.5   | 0.625 0.5 0.375   | 344     | 0.386 0.125 0.625 | 39.1 29.9 -9.8  | 31.5 341.8 0.623 0.81 0.345 0.0  | 301     | 0.522 0.0 1.0 | 36.0 59.9 -19.6 63.0 341.8 |
| 419 | B50R_062_050da | 0.625 0.125 0.625 | 0.625 0.5 0.375   | 330     | 0.285 0.125 0.625 | 36.6 23.8 -14.5 | 27.9 328.6 0.703 0.802 0.334 0.0 | 288     | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6 |
| 420 | B40R_075_062da | 0.625 0.125 0.75  | 0.75 0.625 0.437  | 319     | 0.239 0.125 0.75  | 35.7 24.2 -21.7 | 32.5 318.1 0.737 0.804 0.227 0.0 | 279     | 0.182 0.0 1.0 | 28.3 38.8 -34.7 52.1 318.1 |
| 421 | B34R_087_075da | 0.625 0.125 0.875 | 0.875 0.75 0.5    | 311     | 0.173 0.125 0.875 | 34.9 24.7 -28.8 | 38.0 310.5 0.792 0.811 0.116 0.0 | 273     | 0.064 0.0 1.0 | 26.5 32.9 -38.4 50.6 310.5 |
| 422 | B29R_100_087da | 0.625 0.125 1.0   | 1.0 0.875 0.562   | 305     | 0.125 0.145 1.0   | 34.4 24.7 -35.4 | 43.1 304.9 0.855 0.81 0.0 0.0    | 268     | 0.0 0.022 1.0 | 25.7 28.2 -40.4 49.3 304.9 |
| 423 | R38Y_062_062da | 0.625 0.25 0.0    | 0.625 0.625 0.312 | 53      | 0.625 0.188 0.0   | 44.1 29.5 36.5  | 46.9 51.0 0.437 0.749 1.0 0.0    | 47      | 1.0 0.301 0.0 | 55.9 47.2 58.5 75.1 51.0   |
| 424 | R23Y_062_050da | 0.625 0.25 0.125  | 0.625 0.5 0.375   | 44      | 0.625 0.208 0.125 | 46.3 29.6 25.8  | 39.3 41.0 0.413 0.726 0.763 0.0  | 38      | 1.0 0.166 0.0 | 50.5 59.2 51.6 78.6 41.0   |
| 425 | R00Y_062_037da | 0.625 0.25 0.25   | 0.625 0.375 0.437 | 390     | 0.625 0.25 0.345  | 50.1 27.0 12.9  | 30.0 25.4 0.401 0.657 0.522 0.0  | 375     | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4   |
| 426 | R18Y_062_037da | 0.625 0.25 0.375  | 0.625 0.375 0.437 | 371     | 0.625 0.25 0.56   | 50.2 29.2 2.2   | 29.2 4.3 0.415 0.668 0.372 0.0   | 339     | 1.0 0.0 0.827 | 45.9 77.8 5.8 78.1 4.3     |
| 427 | B65R_062_037da | 0.625 0.25 0.5    | 0.625 0.375 0.437 | 349     | 0.476 0.25 0.625  | 47.1 24.1 -5.7  | 24.7 346.6 0.537 0.684 0.329 0.0 | 306     | 0.603 0.0 1.0 | 37.6 64.3 -15.3 66.1 346.6 |
| 428 | B50R_062_037da | 0.625 0.25 0.625  | 0.625 0.375 0.437 | 330     | 0.37 0.25 0.625   | 44.7 17.9 -10.9 | 20.9 328.6 0.642 0.662 0.305 0.0 | 288     | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6 |
| 429 | B38R_075_050da | 0.625 0.25 0.75   | 0.75 0.5 0.5      | 316     | 0.317 0.25 0.75   | 43.9 18.2 -18.0 | 25.7 315.3 0.672 0.658 0.205 0.0 | 277     | 0.135 0.0 1.0 | 27.9 36.5 -36.1 51.4 315.3 |
| 430 | B30R_087_062da | 0.625 0.25 0.875  | 0.875 0.625 0.562 | 307     | 0.255 0.25 0.875  | 42.7 18.7 -25.1 | 31.3 306.8 0.711 0.655 0.106 0.0 | 270     | 0.008 0.0 1.0 | 25.2 30.0 -40.1 50.1 306.8 |
| 431 | B25R_100_075da | 0.625 0.25 1.0    | 1.0 0.75 0.625    | 300     | 0.25 0.329 1.0    | 44.9 17.6 -30.2 | 35.0 300.1 0.717 0.593 0.0 0.0   | 264     | 0.0 0.105 1.0 | 28.1 23.4 -40.3 46.7 300.1 |
| 432 | R61Y_062_062da | 0.625 0.375 0.0   | 0.625 0.625 0.312 | 67      | 0.625 0.308 0.0   | 49.5 18.4 42.7  | 46.5 66.6 0.426 0.629 0.996 0.0  | 59      | 1.0 0.494 0.0 | 64.6 29.4 68.4 74.5 66.6   |
| 433 | R50Y_062_050da | 0.625 0.375 0.125 | 0.625 0.5 0.375   | 60      | 0.625 0.324 0.125 | 51.2 19.1 31.7  | 37.0 58.8 0.411 0.602 0.79 0.0   | 53      | 1.0 0.398 0.0 | 60.2 38.2 63.4 74.1 58.8   |
| 434 | R31Y_062_037da | 0.625 0.375 0.25  | 0.625 0.375 0.437 | 49      | 0.625 0.342 0.25  | 53.1 19.6 20.7  | 28.5 46.6 0.399 0.579 0.607 0.0  | 43      | 1.0 0.246 0.0 | 53.5 52.2 55.3 76.1 46.6   |
| 435 | R00Y_062_025da | 0.625 0.375 0.375 | 0.625 0.25 0.5    | 390     | 0.625 0.375 0.438 | 56.4 18.0 8.6   | 20.0 25.4 0.398 0.522 0.423 0.0  | 375     | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4   |
| 436 | R00Y_062_025da | 0.625 0.375 0.5   | 0.625 0.25 0.5    | 360     | 0.559 0.375 0.625 | 55.3 17.6 -2.4  | 17.7 352.0 0.458 0.538 0.303 0.0 | 315     | 0.736 0.0 1.0 | 41.4 70.4 -9.8 71.1 352.0  |
| 437 | B50R_062_025da | 0.625 0.375 0.625 | 0.625 0.25 0.5    | 330     | 0.455 0.375 0.625 | 52.7 11.9 -7.2  | 13.9 328.6 0.568 0.528 0.295 0.0 | 288     | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6 |
| 438 | B34R_075_037da | 0.625 0.375 0.75  | 0.75 0.375 0.562  | 311     | 0.399 0.375 0.75  | 51.9 12.3 -14.4 | 19.0 310.5 0.614 0.527 0.199 0.0 | 273     | 0.064 0.0 1.0 | 26.5 32.9 -38.4 50.6 310.5 |
| 439 | B25R_087_050da | 0.625 0.375 0.875 | 0.875 0.5 0.625   | 300     | 0.375 0.427 0.875 | 52.9 11.7 -20.1 | 23.3 300.1 0.632 0.491 0.104 0.0 | 264     | 0.0 0.105 1.0 | 28.1 23.4 -40.3 46.7 300.1 |
| 440 | B19R_100_062da | 0.625 0.375 1.0   | 1.0 0.625 0.687   | 293     | 0.375 0.498 1.0   | 55.3 11.0 -25.2 | 27.5 293.5 0.633 0.453 0.006 0.0 | 259     | 0.0 0.198 1.0 | 31.1 17.6 -40.4 44.1 293.5 |
| 441 | R81Y_062_062da | 0.625 0.5 0.0     | 0.625 0.625 0.312 | 79      | 0.625 0.405 0.0   | 54.8 8.5 49.0   | 49.8 80.0 0.415 0.494 0.985 0.0  | 69      | 1.0 0.648 0.0 | 73.2 13.7 78.4 79.6 80.0   |
| 442 | R76Y_062_050da | 0.625 0.5 0.125   | 0.625 0.5 0.375   | 76      | 0.625 0.427 0.125 | 56.5 8.9 37.9   | 38.9 76.7 0.404 0.48 0.806 0.0   | 66      | 1.0 0.604 0.0 | 70.9 17.9 75.9 77.9 76.7   |
| 443 | R68Y_062_037da | 0.625 0.5 0.25    | 0.625 0.375 0.437 | 71      | 0.625 0.453 0.25  | 58.3 9.2 26.9   | 28.4 71.1 0.398 0.459 0.644 0.0  | 62      | 1.0 0.543 0.0 | 67.4 24.5 71.9 75.9 71.1   |
| 444 | R50Y_062_025da | 0.625 0.5 0.375   | 0.625 0.25 0.5    | 60      | 0.625 0.474 0.375 | 60.0 9.5 15.8   | 18.5 58.0 0.44 0.495 0.603 0.0   | 53      | 1.0 0.398 0.0 | 60.2 38.2 63.4 74.1 58.8   |
| 445 | R00Y_062_012da | 0.625 0.5 0.5     | 0.625 0.125 0.562 | 390     | 0.625 0.5 0.531   | 62.6 9.0 4.3    | 0.100 25.4 0.402 0.407 0.335 0.0 | 375     | 1.0 0.0 0.254 | 45.6 72.2 34.4 80.0 25.4   |
| 446 | B50R_062_012da | 0.625 0.5 0.625   | 0.625 0.125 0.562 | 330     | 0.54 0.5 0.625    | 60.8 5.9 -3.6   | 6.9 328.6 0.49 0.41 0.278 0.0    | 288     | 0.321 0.0 1.0 | 31.1 47.7 -29.1 55.9 328.6 |
| 447 | B25R_075_025da | 0.625 0.5 0.75    | 0.75 0.25 0.625   | 300     | 0.5 0.526 0.75    | 60.9 5.8 -10.0  | 11.6 300.1 0.52 0.401 0.194 0.0  | 264     | 0.0 0.105 1.0 | 28.1 23.4 -40.3 46.7 300.1 |
| 448 | B15R_087_037da | 0.625 0.5 0.875   | 0.875 0.375 0.687 | 289     | 0.5 0.593 0.875   | 63.1 5.4 -15.0  | 16.0 289.7 0.516 0.362 0.102 0.0 | 256     | 0.0 0.248 1.0 | 32.8 14.4 -40.2 42.7 289.7 |
| 449 | B11R_100_050da | 0.625 0.5 1.0     | 1.0 0.5 0.75      | 284     | 0.5 0.651 1.0     | 65.1 5.4 -20.2  | 20.9 285.0 0.519 0.323 0.009 0.0 | 252     | 0.0 0.302 1.0 | 34.7 10.8 -40.4 41.8 285.0 |
| 450 | Y00G_062_062da | 0.625 0.625 0.0   | 0.625 0.625 0.312 | 90      | 0.625 0.549 0.0   | 61.4 -2.2 56.5  | 56.5 92.3 0.401 0.354 0.978 0.0  | 83      | 1.0 0.878 0.0 | 83.6 -3.6 90.4 90.4 92.3   |
| 451 | Y00G_062_050da | 0.625 0.625 0.125 | 0.625 0.5 0.375   | 90      | 0.625 0.564 0.125 | 62.9 -1.8 45.2  | 45.2 92.3 0.392 0.339 0.815 0.0  | 83      | 1.0 0.878 0.0 | 83.6 -3.6 90.4 90.4 92.3   |
| 452 | Y00G_062_037da | 0.625 0.625 0.25  | 0.625 0.375 0.437 | 90      | 0.625 0.579 0.25  | 64.4 -1.3 33.9  | 33.9 92.3 0.387 0.322 0.668 0.0  | 83      | 1.0 0.878 0.0 | 83.6                       |



TUB registration: 20150901-TE78/TE78LOFP.PDF /.PS TUB material:  
 application for measurement of offset print output, separation cmyk6\* (CMY0)

|                                                                                                                           |                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)<br>colors and differences, $\Delta E^*$ , 3D=1, de=1, <i>cmYk</i> * | input: <i>rgb/cmyk</i> -> <i>rgb</i> <sub>de</sub><br>output: 3D-linearization to <i>cmYk</i> * <sub>de</sub> |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|



TUB registration: 20150901-TE78/TE78L0FP.PDF /.PS TUB material: code=rh4ta  
+ application for measurement of offset print output, separation cmy6\* (CMY0)

TUB material: code=rha4ta

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



http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF /.PS; 3D-linearization  
F: 3D-linearization TE78/TE78LE30FP.DAT in file (F), page 17/22

| n   | HIC*Fde          | rgb_Fde | ict_Fde | hsi_Fde | rgb*Fde | LabCh*Fde | cmyn*sep.Fde | hsiM.de | rgb*Mde | LabCh*Mde |       |      |      |       |      |       |
|-----|------------------|---------|---------|---------|---------|-----------|--------------|---------|---------|-----------|-------|------|------|-------|------|-------|
| 648 | R00Y_100_100de   | 1.0     | 0.0     | 0.0     | 1.0     | 1.0       | 0.5          | 390     | 1.0     | 0.0       | 0.254 | 45.6 | 72.2 | 34.4  | 80.0 | 25.4  |
| 649 | R38Y_100_100de   | 1.0     | 0.0     | 0.125   | 1.0     | 1.0       | 0.5          | 383     | 1.0     | 0.0       | 0.458 | 45.8 | 73.8 | 23.5  | 77.5 | 17.6  |
| 650 | R26Y_100_100de   | 1.0     | 0.0     | 0.25    | 1.0     | 1.0       | 0.5          | 376     | 1.0     | 0.0       | 0.657 | 46.0 | 76.1 | 13.2  | 77.2 | 9.8   |
| 651 | R13Y_100_100de   | 1.0     | 0.0     | 0.375   | 1.0     | 1.0       | 0.5          | 368     | 1.0     | 0.0       | 0.955 | 46.0 | 78.9 | 1.3   | 78.9 | 0.9   |
| 652 | R00Y_100_100de   | 1.0     | 0.0     | 0.5     | 1.0     | 1.0       | 0.5          | 360     | 0.736   | 0.0       | 1.0   | 41.4 | 70.4 | -9.8  | 71.1 | 352.0 |
| 653 | B68R_100_100de   | 1.0     | 0.0     | 0.625   | 1.0     | 1.0       | 0.5          | 352     | 0.666   | 0.0       | 1.0   | 39.3 | 67.3 | -12.5 | 68.5 | 349.4 |
| 654 | B61R_100_100de   | 1.0     | 0.0     | 0.75    | 1.0     | 1.0       | 0.5          | 344     | 0.522   | 0.0       | 1.0   | 36.0 | 59.9 | -19.6 | 63.0 | 341.8 |
| 655 | B55R_100_100de   | 1.0     | 0.0     | 0.875   | 1.0     | 1.0       | 0.5          | 337     | 0.407   | 0.0       | 1.0   | 33.5 | 53.6 | -24.7 | 59.1 | 335.2 |
| 656 | B50R_100_100de   | 1.0     | 0.0     | 1.0     | 1.0     | 1.0       | 0.5          | 330     | 0.321   | 0.0       | 1.0   | 31.1 | 47.7 | -29.1 | 55.9 | 328.6 |
| 657 | R11Y_100_100de   | 1.0     | 0.125   | 0.0     | 1.0     | 1.0       | 0.5          | 37      | 1.0     | 0.02      | 0.0   | 46.0 | 69.6 | 45.6  | 83.2 | 33.2  |
| 658 | R00Y_100_087de   | 1.0     | 0.125   | 0.125   | 1.0     | 0.875     | 0.562        | 390     | 1.0     | 0.125     | 0.347 | 51.9 | 63.1 | 30.1  | 70.0 | 25.4  |
| 659 | R36Y_100_087de   | 1.0     | 0.125   | 0.25    | 1.0     | 0.875     | 0.562        | 382     | 1.0     | 0.125     | 0.549 | 52.1 | 64.8 | 19.2  | 67.6 | 16.5  |
| 660 | R23Y_100_087de   | 1.0     | 0.125   | 0.375   | 1.0     | 0.875     | 0.562        | 374     | 1.0     | 0.125     | 0.752 | 52.1 | 67.2 | 9.0   | 67.8 | 7.6   |
| 661 | R08Y_100_087de   | 1.0     | 0.125   | 0.5     | 1.0     | 0.875     | 0.562        | 365     | 0.934   | 0.125     | 1.0   | 51.3 | 67.2 | -2.7  | 67.3 | 357.6 |
| 662 | B70R_100_087de   | 1.0     | 0.125   | 0.625   | 1.0     | 0.875     | 0.562        | 355     | 0.775   | 0.125     | 1.0   | 48.3 | 61.8 | -8.3  | 62.4 | 352.3 |
| 663 | B63R_100_087de   | 1.0     | 0.125   | 0.75    | 1.0     | 0.875     | 0.562        | 346     | 0.61    | 0.125     | 1.0   | 44.0 | 54.0 | -15.7 | 56.2 | 343.7 |
| 664 | B56R_100_087de   | 1.0     | 0.125   | 0.875   | 1.0     | 0.875     | 0.562        | 338     | 0.496   | 0.125     | 1.0   | 41.6 | 47.7 | -21.0 | 52.2 | 336.1 |
| 665 | B50R_100_087de   | 1.0     | 0.125   | 1.0     | 1.0     | 0.875     | 0.562        | 330     | 0.406   | 0.125     | 1.0   | 39.1 | 41.8 | -25.5 | 48.9 | 328.6 |
| 666 | R23Y_100_100de   | 1.0     | 0.25    | 0.0     | 1.0     | 1.0       | 0.5          | 44      | 1.0     | 0.166     | 0.0   | 50.5 | 59.2 | 51.6  | 78.6 | 41.0  |
| 667 | R13Y_100_087de   | 1.0     | 0.25    | 0.125   | 1.0     | 0.875     | 0.562        | 38      | 1.0     | 0.163     | 0.125 | 52.8 | 59.5 | 40.7  | 72.2 | 34.3  |
| 668 | R00Y_100_075de   | 1.0     | 0.25    | 0.25    | 1.0     | 0.75      | 0.625        | 390     | 1.0     | 0.25      | 0.441 | 58.1 | 54.1 | 25.8  | 60.0 | 25.4  |
| 669 | R35Y_100_075de   | 1.0     | 0.25    | 0.375   | 1.0     | 0.75      | 0.625        | 383     | 1.0     | 0.25      | 0.634 | 58.3 | 55.7 | 15.4  | 57.8 | 15.4  |
| 670 | R18Y_100_075de   | 1.0     | 0.25    | 0.5     | 1.0     | 0.75      | 0.625        | 371     | 1.0     | 0.25      | 0.87  | 58.4 | 4.4  | 58.5  | 4.3  | 0.0   |
| 671 | R00Y_100_075de   | 1.0     | 0.25    | 0.625   | 1.0     | 0.75      | 0.625        | 360     | 0.802   | 0.25      | 1.0   | 54.9 | 52.8 | -7.3  | 53.3 | 352.0 |
| 672 | B65R_100_075de   | 1.0     | 0.25    | 0.75    | 1.0     | 0.75      | 0.625        | 349     | 0.702   | 0.25      | 1.0   | 52.1 | 48.2 | -11.4 | 49.5 | 346.6 |
| 673 | B57R_100_075de   | 1.0     | 0.25    | 0.875   | 1.0     | 0.75      | 0.625        | 339     | 0.58    | 0.25      | 1.0   | 49.6 | 41.6 | -17.5 | 45.1 | 337.1 |
| 674 | B50R_100_075de   | 1.0     | 0.25    | 1.0     | 1.0     | 0.75      | 0.625        | 330     | 0.491   | 0.25      | 1.0   | 47.2 | 35.8 | -21.8 | 41.9 | 328.6 |
| 675 | R36Y_100_100de   | 1.0     | 0.375   | 0.0     | 1.0     | 1.0       | 0.5          | 52      | 1.0     | 0.288     | 0.0   | 55.3 | 48.4 | 57.7  | 75.4 | 49.9  |
| 676 | R26Y_100_087de   | 1.0     | 0.375   | 0.125   | 1.0     | 0.875     | 0.562        | 46      | 1.0     | 0.298     | 0.125 | 57.2 | 49.4 | 46.5  | 67.9 | 43.3  |
| 677 | R15Y_100_075de   | 1.0     | 0.375   | 0.25    | 1.0     | 0.75      | 0.625        | 39      | 1.0     | 0.301     | 0.25  | 59.4 | 49.9 | 35.6  | 61.3 | 35.5  |
| 678 | R00Y_100_062de   | 1.0     | 0.375   | 0.375   | 1.0     | 0.625     | 0.687        | 390     | 1.0     | 0.375     | 0.534 | 64.3 | 45.1 | 21.5  | 50.0 | 25.4  |
| 679 | R31Y_100_062de   | 1.0     | 0.375   | 0.5     | 1.0     | 0.625     | 0.687        | 379     | 1.0     | 0.375     | 0.731 | 64.5 | 46.9 | 11.0  | 48.2 | 13.2  |
| 680 | R11Y_100_062de   | 1.0     | 0.375   | 0.625   | 1.0     | 0.625     | 0.687        | 367     | 1.0     | 0.375     | 0.999 | 64.6 | 49.5 | -0.1  | 49.5 | 359.8 |
| 681 | B69R_100_062de   | 1.0     | 0.375   | 0.75    | 1.0     | 0.625     | 0.687        | 353     | 0.807   | 0.375     | 1.0   | 60.9 | 42.8 | -7.2  | 43.4 | 350.4 |
| 682 | B59R_100_062de   | 1.0     | 0.375   | 0.875   | 1.0     | 0.625     | 0.687        | 341     | 0.671   | 0.375     | 1.0   | 57.7 | 35.7 | -13.7 | 38.3 | 339.0 |
| 683 | B50R_100_062de   | 1.0     | 0.375   | 1.0     | 1.0     | 0.625     | 0.687        | 330     | 0.576   | 0.375     | 1.0   | 55.3 | 29.8 | -18.2 | 34.9 | 328.6 |
| 684 | R50Y_100_100de   | 1.0     | 0.5     | 0.0     | 1.0     | 1.0       | 0.5          | 60      | 1.0     | 0.398     | 0.0   | 60.2 | 38.2 | 63.4  | 74.1 | 58.8  |
| 685 | R41Y_100_087de   | 1.0     | 0.5     | 0.125   | 1.0     | 0.875     | 0.562        | 55      | 1.0     | 0.413     | 0.125 | 61.9 | 39.0 | 52.4  | 65.4 | 53.3  |
| 686 | R31Y_100_075de   | 1.0     | 0.5     | 0.25    | 1.0     | 0.75      | 0.625        | 49      | 1.0     | 0.434     | 0.25  | 64.0 | 39.2 | 41.5  | 57.1 | 46.6  |
| 687 | R18Y_100_062de   | 1.0     | 0.5     | 0.375   | 1.0     | 0.625     | 0.687        | 41      | 1.0     | 0.447     | 0.375 | 66.2 | 39.6 | 30.6  | 50.1 | 37.7  |
| 688 | R00Y_100_050de   | 1.0     | 0.5     | 0.5     | 1.0     | 0.5       | 0.75         | 390     | 1.0     | 0.5       | 0.627 | 70.6 | 36.1 | 17.2  | 40.0 | 25.4  |
| 689 | R26Y_100_050de   | 1.0     | 0.5     | 0.625   | 1.0     | 0.5       | 0.75         | 376     | 1.0     | 0.5       | 0.828 | 70.8 | 38.0 | 6.6   | 38.6 | 9.8   |
| 690 | R00Y_100_050de   | 1.0     | 0.5     | 0.75    | 1.0     | 0.5       | 0.75         | 360     | 0.868   | 0.5       | 1.0   | 68.5 | 35.2 | -4.9  | 35.5 | 352.0 |
| 691 | B61R_100_050de   | 1.0     | 0.5     | 0.875   | 1.0     | 0.5       | 0.75         | 344     | 0.761   | 0.5       | 1.0   | 65.8 | 29.9 | -9.8  | 31.5 | 341.8 |
| 692 | B50R_100_050de   | 1.0     | 0.5     | 1.0     | 1.0     | 0.5       | 0.75         | 330     | 0.66    | 0.5       | 1.0   | 63.3 | 23.8 | -14.5 | 27.9 | 328.6 |
| 693 | R63Y_100_100de   | 1.0     | 0.625   | 0.0     | 1.0     | 1.0       | 0.5          | 68      | 1.0     | 0.506     | 0.0   | 65.3 | 28.2 | 69.2  | 74.7 | 67.8  |
| 694 | R58Y_100_087de   | 1.0     | 0.625   | 0.125   | 1.0     | 0.875     | 0.562        | 65      | 1.0     | 0.533     | 0.125 | 67.4 | 28.0 | 58.7  | 65.1 | 64.4  |
| 695 | R50Y_100_075de   | 1.0     | 0.625   | 0.25    | 1.0     | 0.75      | 0.625        | 60      | 1.0     | 0.548     | 0.25  | 69.0 | 28.7 | 47.5  | 55.5 | 58.8  |
| 696 | R38Y_100_062de   | 1.0     | 0.625   | 0.375   | 1.0     | 0.625     | 0.687        | 53      | 1.0     | 0.563     | 0.375 | 70.8 | 29.5 | 36.5  | 46.9 | 51.0  |
| 697 | R23Y_100_050de   | 1.0     | 0.625   | 0.5     | 1.0     | 0.5       | 0.75         | 44      | 1.0     | 0.583     | 0.5   | 73.0 | 29.6 | 25.8  | 39.3 | 41.0  |
| 698 | R00Y_100_037de   | 1.0     | 0.625   | 0.625   | 1.0     | 0.375     | 0.812        | 390     | 1.0     | 0.625     | 0.72  | 76.8 | 27.0 | 12.9  | 30.0 | 25.4  |
| 699 | R18Y_100_037de   | 1.0     | 0.625   | 0.75    | 1.0     | 0.375     | 0.812        | 371     | 1.0     | 0.625     | 0.935 | 77.0 | 29.2 | 2.2   | 29.2 | 4.3   |
| 700 | B65R_100_037de   | 1.0     | 0.625   | 0.875   | 1.0     | 0.375     | 0.812        | 349     | 0.851   | 0.625     | 1.0   | 73.8 | 24.1 | -5.7  | 24.7 | 346.6 |
| 701 | B50R_100_037de   | 1.0     | 0.625   | 1.0     | 1.0     | 0.375     | 0.812        | 330     | 0.745   | 0.625     | 1.0   | 71.4 | 17.9 | -10.9 | 20.9 | 328.6 |
| 702 | R76Y_100_100de   | 1.0     | 0.75    | 0.0     | 1.0     | 1.0       | 0.5          | 76      | 1.0     | 0.604     | 0.0   | 70.9 | 17.9 | 75.9  | 77.9 | 76.7  |
| 703 | R73Y_100_087de   | 1.0     | 0.75    | 0.125   | 1.0     | 0.875     | 0.562        | 74      | 1.0     | 0.632     | 0.125 | 72.7 | 18.0 | 65.0  | 67.5 | 74.4  |
| 704 | R68Y_100_075de   | 1.0     | 0.75    | 0.25    | 1.0     | 0.75      | 0.625        | 71      | 1.0     | 0.657     | 0.25  | 74.4 | 18.4 | 53.9  | 56.9 | 71.1  |
| 705 | R61Y_100_062de   | 1.0     | 0.75    | 0.375   | 1.0     | 0.625     | 0.687        | 67      | 1.0     | 0.683     | 0.375 | 76.2 | 18.4 | 42.7  | 46.5 | 66.6  |
| 706 | R50Y_100_050de   | 1.0     | 0.75    | 0.5     | 1.0     | 0.5       | 0.75         | 60      | 1.0     | 0.699     | 0.5   | 77.9 | 19.1 | 31.7  | 37.0 | 58.8  |
| 707 | R31Y_100_037de   | 1.0     | 0.75    | 0.625   | 1.0     | 0.375     | 0.812        | 49      | 1.0     | 0.717     | 0.625 | 79.8 | 19.6 | 20.7  | 28.5 | 46.6  |
| 708 | R00Y_100_025de   | 1.0     | 0.75    | 0.75    | 1.0     | 0.25      | 0.875        | 390     | 0.908   | 0.0       | 1.0   | 83.1 | 18.0 | 8.6   | 20.0 | 25.4  |
| 709 | R00Y_100_025de   | 1.0     | 0.75    | 0.875   | 1.0     | 0.25      | 0.875        | 360     | 0.934   | 0.75      | 1.0   | 82.0 | 17.6 | -2.4  | 17.7 | 352.0 |
| 710 | B50R_100_025de   | 1.0     | 0.75    | 1.0     | 1.0     | 0.25      | 0.875        | 330     | 0.83    | 0.75      | 1.0   | 79.5 | 11.9 | -7.2  | 13.9 | 328.6 |
| 711 | R88Y_100_100de   | 1.0     | 0.875   | 0.0     | 1.0     | 1.0       | 0.5          | 83      | 1.0     | 0.721     | 0.0   | 76.6 | 7.9  | 82.4  | 82.8 | 84.5  |
| 712 | R86Y_100_087de   | 1.0     | 0.875   | 0.125   | 1.0     | 0.875     | 0.562        | 82      | 1.0     | 0.74      | 0.125 | 78.2 | 8.2  | 71.3  | 71.7 | 83.4  |
| 713 | R85Y_100_075de   | 1.0     | 0.875   | 0.25    | 1.0     | 0.75      | 0.625        | 81      | 1.0     | 0.763     | 0.25  | 80.0 | 8.1  | 60.3  | 60.9 | 82.2  |
| 714 | R81Y_100_062de   | 1.0     | 0.875   | 0.375   | 1.0     | 0.625     | 0.687        | 79      | 1.0     | 0.78      | 0.375 | 81.6 | 8.5  | 49.0  | 49.8 | 80.0  |
| 715 | R76Y_100_050de   | 1.0     | 0.875   | 0.5     | 1.0     | 0.5       | 0.75         | 76      | 1.0     | 0.802     | 0.5   | 83.2 | 8.9  | 37.9  | 38.9 | 76.7  |
| 716 | R68Y_100_037de   | 1.0     | 0.875   | 0.625   | 1.0     | 0.375     | 0.812        | 71      | 1.0     | 0.828     | 0.625 | 85.0 | 9.2  | 26.9  | 28.4 | 71.1  |
| 717 | R50Y_100_025de   | 1.0     | 0.875   | 0.75    | 1.0     | 0.25      | 0.875        | 60      | 1.0     | 0.849     | 0.75  | 86.7 | 9.5  | 15.8  | 18.5 | 58.8  |
| 718 | R00Y_100_012de   | 1.0     | 0.875   | 0.875   | 1.0     | 0.125     | 0.937        | 390     | 1.0     | 0.875     | 0.906 | 89.3 | 9.0  | 4.3   | 10.0 | 25.4  |
| 719 | B50R_100_012de   | 1.0     | 0.875   | 1.0     | 1.0     | 0.125     | 0.937        | 330     | 0.915   | 0.875     | 1.0   | 87.5 | 5.9  | -3.6  | 6.9  | 328.6 |
| 720 | Y00G_100_100de   | 1.0     | 1.0     | 0.0     | 1.0     | 1.0       | 0.5          | 90      | 1.0     | 0.878     | 0.0   | 83.6 | -3.6 | 90.4  | 90.4 | 92.3  |
| 721 | Y00G_100_087de   | 1.0     | 1.0     | 0.125   | 1.0     | 0.875     | 0.562        | 90      | 1.0     | 0.894     | 0.125 | 85.1 | -3.1 | 79.1  | 79.1 | 92.3  |
| 722 | Y00G_100_075de   | 1.0     | 1.0     | 0.25    | 1.0     | 0.75      | 0.625        | 90      | 1.0     | 0.909     | 0.25  | 86.6 | -2.7 | 67.8  | 67.8 | 92.3  |
| 723 | Y00G_100_062de   | 1.0     | 1.0     | 0.375   | 1.0     | 0.625     | 0.687        | 90      | 1.0     | 0.924     | 0.375 | 88.1 | -2.2 | 56.5  | 56.5 | 92.3  |
| 724 | Y00G_100_050de</ |         |         |         |         |           |              |         |         |           |       |      |      |       |      |       |

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
colors and differences,  $\Delta E^*$ , 3D=1, de=1, *cmv*k\*

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

TUB registration: 20150901-TE78/TE78L0FP.PDF /.PS TUB material: code=rha4ta  
application for measurement of offset print output, separation cmy6\* (CMY0)



see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> /.PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*Fde        | rgb_Fde           | ict_Fde           | hsi_Fde | rgb*Fde           | LabCh*Fde        | cmyn*sep_Fde     | hsi_Mde           | rgb*Mde        | LabCh*Mde        |
|-----|----------------|-------------------|-------------------|---------|-------------------|------------------|------------------|-------------------|----------------|------------------|
| 729 | NW_100de       | 1.0 1.0 1.0       | 1.0 0.0 1.0       | 360     | 1.0 1.0 1.0       | 95.6 0.0 0.0     | 0.0 0.0 0.0      | 360               | 1.0 1.0 1.0    | 95.6 0.0 0.0     |
| 730 | G50B_100_012de | 0.875 1.0 1.0     | 1.0 0.125 0.937   | 210     | 0.875 1.0 0.968   | 90.5 -4.5 -3.4   | 5.6 216.9 0.178  | 0.032 0.0         | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 731 | G50B_100_025de | 0.75 1.0 1.0      | 1.0 0.25 0.875    | 210     | 0.75 1.0 0.936    | 85.4 -9.0 -6.8   | 11.3 216.9 0.318 | 0.06 0.0          | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 732 | G50B_100_037de | 0.625 1.0 1.0     | 1.0 0.375 0.812   | 210     | 0.625 1.0 0.905   | 80.3 -13.5 -10.2 | 16.9 216.9 0.445 | 0.091 0.0         | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 733 | G50B_100_050de | 0.5 1.0 1.0       | 1.0 0.5 0.75      | 210     | 0.5 1.0 0.873     | 75.3 -18.1 -13.6 | 22.6 216.9 0.578 | 0.0 0.13 0.0      | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 734 | G50B_100_062de | 0.375 1.0 1.0     | 1.0 0.625 0.687   | 210     | 0.375 1.0 0.842   | 70.2 -22.6 -17.0 | 28.3 216.9 0.677 | 0.0 0.16 0.0      | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 735 | G50B_100_075de | 0.25 1.0 1.0      | 1.0 0.75 0.625    | 210     | 0.25 1.0 0.81     | 65.1 -27.1 -20.4 | 33.9 216.9 0.766 | 0.0 0.187 0.0     | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 736 | G50B_100_087de | 0.125 1.0 1.0     | 1.0 0.875 0.562   | 210     | 0.125 1.0 0.778   | 60.0 -31.6 -23.8 | 39.6 216.9 0.895 | 0.0 0.222 0.0     | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 737 | G50B_100_100de | 0.0 1.0 1.0       | 1.0 1.0 0.5       | 210     | 0.0 1.0 0.747     | 55.0 -36.2 -27.2 | 45.3 216.9 1.0   | 0.0 0.253 0.0     | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 738 | RO0Y_100_012de | 1.0 0.875 0.875   | 1.0 0.125 0.937   | 390     | 1.0 0.875 0.906   | 89.3 9.0 4.3     | 10.0 25.4 0.0    | 0.157 0.071 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 739 | NW_087de       | 0.875 0.875 0.875 | 0.875 0.0 0.875   | 360     | 0.875 0.875 0.875 | 86.7 0.0 0.0     | 0.0 0.0 0.0      | 0.162 0.101 0.093 | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 740 | G50B_087_012de | 0.75 0.875 0.875  | 0.875 0.125 0.812 | 210     | 0.75 0.875 0.843  | 81.6 -4.5 -3.4   | 5.6 216.9 0.306  | 0.095 0.118 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 741 | G50B_087_025de | 0.625 0.875 0.875 | 0.875 0.25 0.75   | 210     | 0.625 0.875 0.811 | 76.5 -9.0 -6.8   | 11.3 216.9 0.433 | 0.093 0.148 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 742 | G50B_087_037de | 0.5 0.875 0.875   | 0.875 0.375 0.687 | 210     | 0.5 0.875 0.78    | 71.4 -13.5 -10.2 | 16.9 216.9 0.564 | 0.095 0.183 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 743 | G50B_087_050de | 0.375 0.875 0.875 | 0.875 0.5 0.625   | 210     | 0.375 0.875 0.748 | 66.4 -18.1 -13.6 | 22.6 216.9 0.67  | 0.098 0.212 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 744 | G50B_087_062de | 0.25 0.875 0.875  | 0.875 0.625 0.562 | 210     | 0.25 0.875 0.717  | 61.3 -22.6 -17.0 | 28.3 216.9 0.757 | 0.105 0.242 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 745 | G50B_087_075de | 0.125 0.875 0.875 | 0.875 0.75 0.5    | 210     | 0.125 0.875 0.685 | 56.2 -27.1 -20.4 | 33.9 216.9 0.889 | 0.13 0.28 0.0     | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 746 | G50B_087_087de | 0.0 0.875 0.875   | 0.875 0.875 0.437 | 210     | 0.0 0.875 0.653   | 51.1 -31.6 -23.8 | 39.6 216.9 0.992 | 0.158 0.304 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 747 | RO0Y_100_025de | 1.0 0.75 0.75     | 1.0 0.25 0.875    | 390     | 1.0 0.75 0.813    | 83.1 18.0 8.6    | 20.0 25.4 0.0    | 0.282 0.147 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 748 | RO0Y_087_012de | 0.875 0.75 0.75   | 0.875 0.125 0.812 | 390     | 0.875 0.75 0.881  | 80.4 9.0 4.3     | 10.0 25.4 0.0    | 0.131 0.248 0.167 | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 749 | NW_075de       | 0.75 0.75 0.75    | 0.75 0.0 0.75     | 360     | 0.75 0.75 0.75    | 77.8 0.0 0.0     | 0.0 0.0 0.0      | 0.299 0.181 0.177 | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 750 | G50B_075_012de | 0.625 0.75 0.75   | 0.75 0.125 0.687  | 210     | 0.625 0.75 0.718  | 72.7 -4.5 -3.4   | 5.6 216.9 0.424  | 0.181 0.203 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 751 | G50B_075_025de | 0.5 0.75 0.75     | 0.75 0.25 0.625   | 210     | 0.5 0.75 0.686    | 67.6 -9.0 -6.8   | 11.3 216.9 0.552 | 0.191 0.241 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 752 | G50B_075_037de | 0.375 0.75 0.75   | 0.75 0.375 0.562  | 210     | 0.375 0.75 0.655  | 62.5 -13.5 -10.2 | 16.9 216.9 0.662 | 0.198 0.267 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 753 | G50B_075_050de | 0.25 0.75 0.75    | 0.75 0.5 0.5      | 210     | 0.25 0.75 0.623   | 57.5 -18.1 -13.6 | 22.6 216.9 0.748 | 0.207 0.288 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 754 | G50B_075_062de | 0.125 0.75 0.75   | 0.75 0.625 0.437  | 210     | 0.125 0.75 0.593  | 52.4 -22.6 -17.0 | 28.3 216.9 0.881 | 0.244 0.322 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 755 | G50B_075_075de | 0.0 0.75 0.75     | 0.75 0.75 0.375   | 210     | 0.0 0.75 0.56     | 47.3 -27.1 -20.4 | 33.9 216.9 0.984 | 0.286 0.357 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 756 | RO0Y_100_037de | 1.0 0.625 0.625   | 1.0 0.375 0.812   | 390     | 1.0 0.625 0.72    | 76.8 27.0 12.9   | 30.0 25.4 0.0    | 0.4 0.25 0.0      | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 757 | RO0Y_087_025de | 0.875 0.625 0.625 | 0.875 0.25 0.75   | 390     | 0.875 0.625 0.688 | 74.2 18.0 8.6    | 20.0 25.4 0.0    | 0.105 0.386 0.246 | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 758 | RO0Y_075_012de | 0.75 0.625 0.625  | 0.75 0.125 0.687  | 390     | 0.75 0.625 0.656  | 71.5 9.0 4.3     | 10.0 25.4 0.0    | 0.28 0.335 0.255  | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 759 | NW_062de       | 0.625 0.625 0.625 | 0.625 0.0 0.625   | 360     | 0.625 0.625 0.625 | 68.9 0.0 0.0     | 0.0 0.0 0.0      | 0.417 0.26 0.26   | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 760 | G50B_062_012de | 0.5 0.625 0.625   | 0.625 0.125 0.562 | 210     | 0.5 0.625 0.593   | 63.8 -4.5 -3.4   | 5.6 216.9 0.546  | 0.284 0.296 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 761 | G50B_062_025de | 0.375 0.625 0.625 | 0.625 0.25 0.5    | 210     | 0.375 0.625 0.561 | 58.7 -9.0 -6.8   | 11.3 216.9 0.656 | 0.3 0.324 0.0     | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 762 | G50B_062_037de | 0.25 0.625 0.625  | 0.625 0.375 0.437 | 210     | 0.25 0.625 0.53   | 53.6 -13.5 -10.2 | 16.9 216.9 0.743 | 0.314 0.346 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 763 | G50B_062_050de | 0.125 0.625 0.625 | 0.625 0.5 0.375   | 210     | 0.125 0.625 0.498 | 48.6 -18.1 -13.6 | 22.6 216.9 0.877 | 0.37 0.385 0.0    | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 764 | G50B_062_062de | 0.0 0.625 0.625   | 0.625 0.625 0.312 | 210     | 0.0 0.625 0.467   | 43.5 -22.6 -17.0 | 28.3 216.9 0.979 | 0.413 0.411 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 765 | RO0Y_100_050de | 1.0 0.5 0.5       | 1.0 0.5 0.75      | 390     | 1.0 0.5 0.627     | 70.6 36.1 17.2   | 40.0 25.4 0.0    | 0.498 0.295 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 766 | RO0Y_087_037de | 0.875 0.5 0.5     | 0.875 0.375 0.687 | 390     | 0.875 0.5 0.595   | 67.9 27.0 12.9   | 30.0 25.4 0.0    | 0.488 0.331 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 767 | RO0Y_075_025de | 0.75 0.5 0.5      | 0.75 0.25 0.625   | 390     | 0.75 0.5 0.563    | 65.3 18.0 8.6    | 20.0 25.4 0.0    | 0.457 0.339 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 768 | RO0Y_062_012de | 0.625 0.5 0.5     | 0.625 0.125 0.562 | 390     | 0.625 0.5 0.531   | 62.6 9.0 4.3     | 10.0 25.4 0.0    | 0.402 0.407 0.335 | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 769 | NW_050de       | 0.5 0.5 0.5       | 0.5 0.0 0.5       | 360     | 0.5 0.5 0.5       | 60.0 0.0 0.0     | 0.0 0.0 0.0      | 0.54 0.382 0.356  | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 770 | G50B_050_012de | 0.375 0.5 0.5     | 0.5 0.125 0.437   | 210     | 0.375 0.5 0.468   | 54.9 -4.5 -3.4   | 5.6 216.9 0.652  | 0.395 0.382 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 771 | G50B_050_025de | 0.25 0.5 0.5      | 0.5 0.25 0.375    | 210     | 0.249 0.5 0.436   | 49.8 -9.0 -6.8   | 11.3 216.9 0.739 | 0.413 0.406 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 772 | G50B_050_037de | 0.125 0.5 0.5     | 0.5 0.375 0.312   | 210     | 0.124 0.5 0.405   | 44.7 -13.5 -10.2 | 16.9 216.9 0.874 | 0.465 0.454 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 773 | G50B_050_050de | 0.0 0.5 0.5       | 0.5 0.5 0.25      | 210     | 0.0 0.5 0.373     | 39.7 -18.1 -13.6 | 22.6 216.9 0.974 | 0.514 0.479 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 774 | RO0Y_100_062de | 1.0 0.375 0.375   | 1.0 0.625 0.687   | 390     | 1.0 0.375 0.534   | 64.3 45.1 21.5   | 50.0 25.4 0.0    | 0.625 0.375 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 775 | RO0Y_087_050de | 0.875 0.375 0.375 | 0.875 0.5 0.625   | 390     | 0.875 0.375 0.502 | 61.7 36.1 17.2   | 40.0 25.4 0.0    | 0.611 0.415 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 776 | RO0Y_075_037de | 0.75 0.375 0.375  | 0.75 0.375 0.562  | 390     | 0.75 0.375 0.47   | 59.0 27.0 12.9   | 30.0 25.4 0.0    | 0.577 0.428 0.0   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 777 | RO0Y_062_025de | 0.625 0.375 0.375 | 0.625 0.25 0.5    | 390     | 0.625 0.375 0.438 | 56.4 18.0 8.6    | 20.0 25.4 0.0    | 0.398 0.522 0.423 | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 778 | RO0Y_050_012de | 0.5 0.375 0.375   | 0.5 0.125 0.437   | 390     | 0.5 0.375 0.406   | 53.7 9.0 4.3     | 10.0 25.4 0.0    | 0.534 0.509 0.45  | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 779 | NW_037de       | 0.375 0.375 0.375 | 0.375 0.0 0.375   | 360     | 0.375 0.375 0.375 | 51.0 0.0 0.0     | 0.0 0.0 0.0      | 0.653 0.473 0.452 | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 780 | G50B_037_012de | 0.25 0.375 0.375  | 0.375 0.125 0.312 | 210     | 0.249 0.375 0.343 | 46.0 -4.5 -3.4   | 5.6 216.9 0.738  | 0.494 0.476 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 781 | G50B_037_025de | 0.125 0.375 0.375 | 0.375 0.25 0.25   | 210     | 0.124 0.375 0.311 | 40.9 -9.0 -6.8   | 11.3 216.9 0.874 | 0.571 0.533 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 782 | G50B_037_037de | 0.0 0.375 0.375   | 0.375 0.375 0.187 | 210     | 0.0 0.375 0.28    | 35.8 -13.5 -10.2 | 16.9 216.9 0.975 | 0.633 0.555 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 783 | RO0Y_100_075de | 1.0 0.25 0.25     | 1.0 0.75 0.625    | 390     | 1.0 0.25 0.441    | 58.1 54.1 25.8   | 60.0 25.4 0.0    | 0.75 0.5 0.0      | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 784 | RO0Y_087_062de | 0.875 0.25 0.25   | 0.875 0.625 0.562 | 390     | 0.875 0.25 0.409  | 55.4 45.1 21.5   | 50.0 25.4 0.0    | 0.11 0.733 0.509  | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 785 | RO0Y_075_050de | 0.75 0.25 0.25    | 0.75 0.5 0.5      | 390     | 0.75 0.25 0.377   | 52.8 36.1 17.2   | 40.0 25.4 0.0    | 0.11 0.733 0.509  | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 786 | RO0Y_062_037de | 0.625 0.25 0.25   | 0.625 0.375 0.437 | 390     | 0.625 0.25 0.345  | 50.1 27.0 12.9   | 30.0 25.4 0.0    | 0.401 0.657 0.522 | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 787 | RO0Y_050_025de | 0.5 0.25 0.25     | 0.5 0.25 0.375    | 390     | 0.5 0.249 0.313   | 47.5 18.0 8.6    | 20.0 25.4 0.0    | 0.65 0.549 0.0    | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 788 | RO0Y_037_012de | 0.375 0.25 0.25   | 0.375 0.125 0.312 | 390     | 0.375 0.249 0.281 | 44.8 9.0 4.3     | 10.0 25.4 0.0    | 0.651 0.62 0.55   | 1.0 0.254 45.6 | 72.2 34.4 80.0   |
| 789 | NW_025de       | 0.25 0.25 0.25    | 0.25 0.0 0.25     | 360     | 0.25 0.25 0.25    | 42.1 0.0 0.0     | 0.0 0.0 0.0      | 0.743 0.587 0.55  | 1.0 0.956 0.0  | 0.0 0.0 0.0      |
| 790 | G50B_025_012de | 0.125 0.25 0.25   | 0.25 0.125 0.187  | 210     | 0.124 0.25 0.218  | 37.1 -4.5 -3.4   | 5.6 216.9 0.878  | 0.673 0.621 0.0   | 1.0 0.747 55.0 | -36.2 -27.2 45.3 |
| 791 | G50B_025_025de | 0.0 0.25 0.25     | 0.25 0.25 0.125   | 210     | 0.0 0.25 0.186    | 32.0 -9.0 -6.8   | 11.3 216.9 0.978 | 0.752 0.643 0.0   | 1.0 0.747 55.0 | -36.2 -27.       |



see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n   | HIC*F <sub>de</sub>        | rgb_F <sub>de</sub> | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | cmyn*sep_F <sub>de</sub> | hsiM <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|--------------------------|--------------------|---------------------|-----------------------|
| 810 | NW_100 <sub>de</sub>       | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0         | 95.6 0.0 0.0          | 0.0 0.0 0.0              | 360                | 1.0 1.0 1.0         | 95.6 0.0 0.0          |
| 811 | B00R_100_012 <sub>de</sub> | 0.875 0.875 1.0     | 1.0 0.125 0.937     | 270                 | 0.875 0.932 1.0     | 88.7 0.1 -5.0         | 5.0 271.7 0.156          | 0.07 0.008 0.0     | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 812 | B00R_100_025 <sub>de</sub> | 0.75 0.75 1.0       | 1.0 0.25 0.875      | 270                 | 0.75 0.864 1.0      | 81.7 0.3 -10.1        | 10.1 271.7 0.289         | 0.133 0.009 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 813 | B00R_100_037 <sub>de</sub> | 0.625 0.625 1.0     | 1.0 0.375 0.812     | 270                 | 0.625 0.796 1.0     | 74.8 0.4 -15.2        | 15.2 271.7 0.406         | 0.182 0.009 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 814 | B00R_100_050 <sub>de</sub> | 0.5 0.5 1.0         | 1.0 0.5 0.75        | 270                 | 0.5 0.729 1.0       | 67.9 0.6 -20.3        | 20.3 271.7 0.53          | 0.252 0.01 0.0     | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 815 | B00R_100_062 <sub>de</sub> | 0.375 0.375 1.0     | 1.0 0.625 0.687     | 270                 | 0.375 0.661 1.0     | 61.0 0.7 -25.4        | 25.4 271.7 0.646         | 0.317 0.008 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 816 | B00R_100_075 <sub>de</sub> | 0.25 0.25 1.0       | 1.0 0.75 0.625      | 270                 | 0.25 0.593 1.0      | 54.1 0.9 -30.5        | 30.5 271.7 0.73          | 0.377 0.004 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 817 | B00R_100_087 <sub>de</sub> | 0.125 0.125 1.0     | 1.0 0.875 0.562     | 270                 | 0.125 0.525 1.0     | 47.1 1.0 -35.5        | 35.6 271.7 0.872         | 0.46 0.006 0.0     | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 818 | B00R_100_100 <sub>de</sub> | 0.0 0.0 1.0         | 1.0 1.0 0.5         | 270                 | 0.0 0.458 1.0       | 40.2 1.2 -40.6        | 40.6 271.7 1.0           | 0.539 0.0 0.0      | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 819 | Y00G_100_012 <sub>de</sub> | 1.0 1.0 0.875       | 1.0 0.125 0.937     | 90                  | 1.0 0.984 0.875     | 94.1 -0.4 11.3        | 11.3 92.3 0.0            | 0.03 0.148 0.0     | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 820 | NW_087 <sub>de</sub>       | 0.875 0.875 0.875   | 0.875 0.0 0.875     | 360                 | 0.875 0.875 0.875   | 86.7 0.0 0.0          | 0.0 0.0 0.162            | 0.101 0.093 0.0    | 1.0 1.0 95.6        | 0.0 0.0 0.0           |
| 821 | B00R_087_012 <sub>de</sub> | 0.75 0.75 0.875     | 0.875 0.125 0.812   | 270                 | 0.75 0.807 0.875    | 79.7 0.1 -5.0         | 5.0 271.7 0.292          | 0.159 0.094 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 822 | B00R_087_025 <sub>de</sub> | 0.625 0.625 0.875   | 0.875 0.25 0.75     | 270                 | 0.625 0.739 0.875   | 72.8 0.3 -10.1        | 10.1 271.7 0.408         | 0.21 0.093 0.0     | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 823 | B00R_087_037 <sub>de</sub> | 0.5 0.5 0.875       | 0.875 0.375 0.687   | 270                 | 0.5 0.671 0.875     | 65.9 0.4 -15.2        | 15.2 271.7 0.529         | 0.287 0.099 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 824 | B00R_087_050 <sub>de</sub> | 0.375 0.375 0.875   | 0.875 0.5 0.625     | 270                 | 0.375 0.604 0.875   | 59.0 0.6 -20.3        | 20.3 271.7 0.645         | 0.361 0.099 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 825 | B00R_087_062 <sub>de</sub> | 0.25 0.25 0.875     | 0.875 0.625 0.562   | 270                 | 0.25 0.536 0.875    | 52.1 0.7 -25.4        | 25.4 271.7 0.729         | 0.413 0.097 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 826 | B00R_087_075 <sub>de</sub> | 0.125 0.125 0.875   | 0.875 0.75 0.5      | 270                 | 0.125 0.468 0.875   | 45.1 0.9 -30.5        | 30.5 271.7 0.867         | 0.501 0.105 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 827 | B00R_087_087 <sub>de</sub> | 0.0 0.0 0.875       | 0.875 0.875 0.437   | 270                 | 0.0 0.4 0.875       | 38.2 1.0 -35.5        | 35.6 271.7 0.991         | 0.591 0.1 0.0      | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 828 | Y00G_100_025 <sub>de</sub> | 1.0 1.0 0.75        | 1.0 0.25 0.875      | 90                  | 1.0 0.969 0.75      | 92.6 -0.9 22.6        | 22.6 92.3 0.0            | 0.05 0.283 0.0     | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 829 | Y00G_087_012 <sub>de</sub> | 0.875 0.875 0.75    | 0.875 0.125 0.812   | 90                  | 0.875 0.859 0.75    | 85.2 -0.4 11.3        | 11.3 92.3 0.135          | 0.127 0.249 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 830 | NW_075 <sub>de</sub>       | 0.75 0.75 0.75      | 0.75 0.0 0.75       | 360                 | 0.75 0.75 0.75      | 77.8 0.0 0.0          | 0.0 0.0 0.299            | 0.181 0.177 0.0    | 1.0 1.0 95.6        | 0.0 0.0 0.0           |
| 831 | B00R_075_012 <sub>de</sub> | 0.625 0.625 0.75    | 0.75 0.125 0.687    | 270                 | 0.625 0.682 0.75    | 70.8 0.1 -5.0         | 5.0 271.7 0.412          | 0.236 0.176 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 832 | B00R_075_025 <sub>de</sub> | 0.5 0.5 0.75        | 0.75 0.25 0.625     | 270                 | 0.5 0.614 0.75      | 63.9 0.3 -10.1        | 10.1 271.7 0.531         | 0.319 0.187 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 833 | B00R_075_037 <sub>de</sub> | 0.375 0.375 0.75    | 0.75 0.375 0.562    | 270                 | 0.375 0.546 0.75    | 57.0 0.4 -15.2        | 15.2 271.7 0.645         | 0.394 0.192 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 834 | B00R_075_050 <sub>de</sub> | 0.25 0.25 0.75      | 0.75 0.5 0.5        | 270                 | 0.25 0.479 0.75     | 50.1 0.6 -20.3        | 20.3 271.7 0.727         | 0.448 0.191 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 835 | B00R_075_062 <sub>de</sub> | 0.125 0.125 0.75    | 0.75 0.625 0.437    | 270                 | 0.125 0.411 0.75    | 43.2 0.7 -25.4        | 25.4 271.7 0.863         | 0.548 0.204 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 836 | B00R_075_075 <sub>de</sub> | 0.0 0.0 0.75        | 0.75 0.75 0.375     | 270                 | 0.0 0.343 0.75      | 36.2 0.9 -30.5        | 30.5 271.7 0.983         | 0.644 0.199 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 837 | Y00G_100_037 <sub>de</sub> | 1.0 1.0 0.625       | 1.0 0.375 0.812     | 90                  | 1.0 0.954 0.625     | 91.1 -1.3 33.9        | 33.9 92.3 0.0            | 0.071 0.406 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 838 | Y00G_087_025 <sub>de</sub> | 0.875 0.875 0.625   | 0.875 0.25 0.75     | 90                  | 0.875 0.844 0.625   | 83.7 -0.9 22.6        | 22.6 92.3 0.122          | 0.145 0.384 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 839 | Y00G_075_012 <sub>de</sub> | 0.75 0.75 0.625     | 0.75 0.125 0.687    | 90                  | 0.75 0.734 0.625    | 76.3 -0.4 11.3        | 11.3 92.3 0.282          | 0.206 0.329 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 840 | NW_062 <sub>de</sub>       | 0.625 0.625 0.625   | 0.625 0.0 0.625     | 360                 | 0.625 0.625 0.625   | 68.9 0.0 0.0          | 0.0 0.0 0.417            | 0.26 0.26 0.0      | 1.0 1.0 95.6        | 0.0 0.0 0.0           |
| 841 | B00R_062_012 <sub>de</sub> | 0.5 0.5 0.625       | 0.625 0.125 0.562   | 270                 | 0.5 0.557 0.625     | 61.9 0.1 -5.0         | 5.0 271.7 0.536          | 0.353 0.274 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 842 | B00R_062_025 <sub>de</sub> | 0.375 0.375 0.625   | 0.625 0.25 0.5      | 270                 | 0.375 0.489 0.625   | 55.0 0.3 -10.1        | 10.1 271.7 0.645         | 0.421 0.282 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 843 | B00R_062_037 <sub>de</sub> | 0.25 0.25 0.625     | 0.625 0.375 0.437   | 270                 | 0.25 0.421 0.625    | 48.1 0.4 -15.2        | 15.2 271.7 0.727         | 0.485 0.285 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 844 | B00R_062_050 <sub>de</sub> | 0.125 0.125 0.625   | 0.625 0.5 0.375     | 270                 | 0.125 0.354 0.625   | 41.2 0.6 -20.3        | 20.3 271.7 0.86          | 0.592 0.3 0.0      | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 845 | B00R_062_062 <sub>de</sub> | 0.0 0.0 0.625       | 0.625 0.625 0.312   | 270                 | 0.0 0.286 0.625     | 34.3 0.7 -25.4        | 25.4 271.7 0.979         | 0.705 0.302 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 846 | Y00G_100_050 <sub>de</sub> | 1.0 1.0 0.5         | 1.0 0.5 0.75        | 90                  | 1.0 0.939 0.5       | 89.6 -1.8 45.2        | 45.2 92.3 0.0            | 0.087 0.519 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 847 | Y00G_087_037 <sub>de</sub> | 0.875 0.875 0.5     | 0.875 0.375 0.687   | 90                  | 0.875 0.829 0.5     | 82.2 -1.3 33.9        | 33.9 92.3 0.115          | 0.161 0.506 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 848 | Y00G_075_025 <sub>de</sub> | 0.75 0.75 0.5       | 0.75 0.25 0.625     | 90                  | 0.75 0.719 0.5      | 74.8 -0.9 22.6        | 22.6 92.3 0.272          | 0.226 0.465 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 849 | Y00G_062_012 <sub>de</sub> | 0.625 0.625 0.5     | 0.625 0.125 0.562   | 90                  | 0.625 0.609 0.5     | 67.4 -0.4 11.3        | 11.3 92.3 0.399          | 0.286 0.399 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 850 | NW_050 <sub>de</sub>       | 0.5 0.5 0.5         | 0.5 0.0 0.5         | 360                 | 0.5 0.5 0.5         | 60.0 0.0 0.0          | 0.0 0.0 0.54             | 0.382 0.356 0.0    | 1.0 1.0 95.6        | 0.0 0.0 0.0           |
| 851 | B00R_050_012 <sub>de</sub> | 0.375 0.375 0.5     | 0.5 0.125 0.437     | 270                 | 0.375 0.432 0.5     | 53.0 0.1 -5.0         | 5.0 271.7 0.648          | 0.445 0.366 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 852 | B00R_050_025 <sub>de</sub> | 0.25 0.25 0.5       | 0.5 0.25 0.375      | 270                 | 0.249 0.364 0.5     | 46.1 0.3 -10.1        | 10.1 271.7 0.731         | 0.519 0.371 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 853 | B00R_050_037 <sub>de</sub> | 0.125 0.125 0.5     | 0.5 0.375 0.312     | 270                 | 0.124 0.296 0.5     | 39.2 0.4 -15.2        | 15.2 271.7 0.862         | 0.64 0.395 0.0     | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 854 | B00R_050_050 <sub>de</sub> | 0.0 0.0 0.5         | 0.5 0.5 0.25        | 270                 | 0.0 0.229 0.5       | 32.3 0.6 -20.3        | 20.3 271.7 0.977         | 0.758 0.404 0.0    | 0.458 1.0 40.2      | 1.2 -40.6 40.6        |
| 855 | Y00G_100_062 <sub>de</sub> | 1.0 1.0 0.375       | 1.0 0.625 0.687     | 90                  | 1.0 0.924 0.375     | 88.1 -2.2 56.5        | 56.5 92.3 0.0            | 0.1 0.629 0.0      | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 856 | Y00G_087_050 <sub>de</sub> | 0.875 0.875 0.375   | 0.875 0.5 0.625     | 90                  | 0.875 0.814 0.375   | 80.7 -1.8 45.2        | 45.2 92.3 0.112          | 0.173 0.624 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 857 | Y00G_075_037 <sub>de</sub> | 0.75 0.75 0.375     | 0.75 0.375 0.562    | 90                  | 0.75 0.704 0.375    | 73.3 -1.3 33.9        | 33.9 92.3 0.267          | 0.24 0.591 0.0     | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 858 | Y00G_062_025 <sub>de</sub> | 0.625 0.625 0.375   | 0.625 0.25 0.5      | 90                  | 0.625 0.594 0.375   | 65.9 -0.9 22.6        | 22.6 92.3 0.388          | 0.306 0.532 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 859 | Y00G_050_012 <sub>de</sub> | 0.5 0.5 0.375       | 0.5 0.125 0.437     | 90                  | 0.5 0.484 0.375     | 58.5 -0.4 11.3        | 11.3 92.3 0.524          | 0.403 0.506 0.0    | 0.878 0.0 83.6      | -3.6 90.4 90.4        |
| 860 | NW_037 <sub>de</sub>       | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 51.0 0.0 0.0          | 0.0 0.0 0.653            | 0.473 0.452 0.0    | 1.0 1.0 95.6        | 0.0 0.0 0.0           |

| n   | HIC*F <sub>de</sub>        | rgb_F <sub>de</sub> | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | cmyn*sep_F <sub>de</sub> | hsi_M <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|--------------------------|---------------------|---------------------|-----------------------|
| 891 | NW_100 <sub>de</sub>       | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0         | 95.6 0.0 0.0          | 0.0 0.0 0.0              | 360                 | 1.0 1.0 1.0         | 95.6 0.0 0.0          |
| 892 | B50R_100_012 <sub>de</sub> | 1.0 0.875 1.0       | 1.0 0.125 0.937     | 330                 | 0.915 0.875 1.0     | 87.5 5.9 -3.6         | 6.9 328.6                | 0.085 0.144 0.007   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 893 | B50R_100_025 <sub>de</sub> | 1.0 0.75 1.0        | 1.0 0.25 0.875      | 330                 | 0.83 0.75 1.0       | 79.5 11.9 -7.2        | 13.9 328.6               | 0.17 0.264 0.003    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 894 | B50R_100_037 <sub>de</sub> | 1.0 0.625 1.0       | 1.0 0.375 0.812     | 330                 | 0.745 0.625 1.0     | 71.4 17.9 -10.9       | 20.9 328.6               | 0.256 0.396 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 895 | B50R_100_050 <sub>de</sub> | 1.0 0.5 1.0         | 1.0 0.5 0.75        | 330                 | 0.66 0.5 1.0        | 63.3 23.8 -14.5       | 27.9 328.6               | 0.326 0.478 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 896 | B50R_100_062 <sub>de</sub> | 1.0 0.375 1.0       | 1.0 0.625 0.687     | 330                 | 0.576 0.375 1.0     | 55.3 29.8 -18.2       | 34.9 328.6               | 0.401 0.592 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 897 | B50R_100_075 <sub>de</sub> | 1.0 0.25 1.0        | 1.0 0.75 0.625      | 330                 | 0.491 0.25 1.0      | 47.2 35.8 -21.8       | 41.9 328.6               | 0.498 0.735 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 898 | B50R_100_087 <sub>de</sub> | 1.0 0.125 1.0       | 1.0 0.875 0.562     | 330                 | 0.406 0.125 1.0     | 39.1 41.8 -25.5       | 48.9 328.6               | 0.587 0.848 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 899 | B50R_100_100 <sub>de</sub> | 1.0 0.0 1.0         | 1.0 1.0 0.5         | 330                 | 0.321 0.0 1.0       | 31.1 47.7 -29.1       | 55.9 328.6               | 0.677 0.999 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 900 | G00B_100_012 <sub>de</sub> | 0.875 1.0 0.875     | 1.0 0.125 0.937     | 150                 | 0.875 1.0 0.893     | 90.0 -7.7 2.4         | 8.1 162.2                | 0.197 0.0 0.125     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 901 | NW_087 <sub>de</sub>       | 0.875 0.875 0.875   | 0.875 0.0 0.875     | 360                 | 0.875 0.875 0.875   | 86.7 0.0 0.0          | 0.0 0.0 0.0              | 0.162 0.101 0.093   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 902 | B50R_087_012 <sub>de</sub> | 0.875 0.75 0.875    | 0.875 0.125 0.812   | 330                 | 0.79 0.75 0.875     | 78.6 5.9 -3.6         | 6.9 328.6                | 0.242 0.226 0.094   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 903 | B50R_087_025 <sub>de</sub> | 0.875 0.625 0.875   | 0.875 0.25 0.75     | 330                 | 0.705 0.625 0.875   | 70.5 11.9 -7.2        | 13.9 328.6               | 0.309 0.351 0.092   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 904 | B50R_087_037 <sub>de</sub> | 0.875 0.5 0.875     | 0.875 0.375 0.687   | 330                 | 0.62 0.5 0.875      | 62.5 17.9 -10.9       | 20.9 328.6               | 0.376 0.444 0.091   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 905 | B50R_087_050 <sub>de</sub> | 0.875 0.375 0.875   | 0.875 0.5 0.625     | 330                 | 0.535 0.375 0.875   | 54.4 23.8 -14.5       | 27.9 328.6               | 0.461 0.579 0.099   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 906 | B50R_087_062 <sub>de</sub> | 0.875 0.25 0.875    | 0.875 0.625 0.562   | 330                 | 0.451 0.25 0.875    | 46.4 29.8 -18.2       | 34.9 328.6               | 0.548 0.714 0.107   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 907 | B50R_087_075 <sub>de</sub> | 0.875 0.125 0.875   | 0.875 0.75 0.5      | 330                 | 0.366 0.125 0.875   | 38.3 35.8 -21.8       | 41.9 328.6               | 0.635 0.836 0.122   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 908 | B50R_087_087 <sub>de</sub> | 0.875 0.0 0.875     | 0.875 0.875 0.437   | 330                 | 0.281 0.0 0.875     | 30.2 41.8 -25.5       | 48.9 328.6               | 0.706 0.99 0.133    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 909 | G00B_100_025 <sub>de</sub> | 0.75 1.0 0.75       | 1.0 0.25 0.875      | 150                 | 0.75 1.0 0.787      | 84.3 -15.5 4.9        | 16.3 162.2               | 0.34 0.0 0.25       | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 910 | G00B_087_012 <sub>de</sub> | 0.75 0.875 0.75     | 0.875 0.125 0.812   | 150                 | 0.75 0.875 0.788    | 81.1 -7.7 2.4         | 8.1 162.2                | 0.321 0.074 0.205   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 911 | NW_075 <sub>de</sub>       | 0.75 0.75 0.75      | 0.75 0.0 0.75       | 360                 | 0.75 0.75 0.75      | 77.8 0.0 0.0          | 0.0 0.0 0.0              | 0.299 0.181 0.177   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 912 | B50R_075_012 <sub>de</sub> | 0.75 0.625 0.75     | 0.75 0.125 0.687    | 330                 | 0.665 0.625 0.75    | 69.7 5.9 -3.6         | 6.9 328.6                | 0.362 0.3 0.177     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 913 | B50R_075_025 <sub>de</sub> | 0.75 0.5 0.75       | 0.75 0.25 0.625     | 330                 | 0.58 0.5 0.75       | 61.6 11.9 -7.2        | 13.9 328.6               | 0.434 0.428 0.188   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 914 | B50R_075_037 <sub>de</sub> | 0.75 0.375 0.75     | 0.75 0.375 0.562    | 330                 | 0.495 0.375 0.75    | 53.6 17.9 -10.9       | 20.9 328.6               | 0.515 0.56 0.205    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 915 | B50R_075_050 <sub>de</sub> | 0.75 0.25 0.75      | 0.75 0.5 0.5        | 330                 | 0.41 0.25 0.75      | 45.5 23.8 -14.5       | 27.9 328.6               | 0.6 0.69 0.212      | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 916 | B50R_075_062 <sub>de</sub> | 0.75 0.125 0.75     | 0.75 0.625 0.437    | 330                 | 0.326 0.125 0.75    | 37.5 29.8 -18.2       | 34.9 328.6               | 0.668 0.82 0.232    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 917 | B50R_075_075 <sub>de</sub> | 0.75 0.0 0.75       | 0.75 0.75 0.375     | 330                 | 0.241 0.0 0.75      | 29.4 35.8 -21.8       | 41.9 328.6               | 0.738 0.985 0.261   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 918 | G00B_100_037 <sub>de</sub> | 0.625 1.0 0.625     | 1.0 0.375 0.812     | 150                 | 0.625 1.0 0.681     | 78.7 -23.2 7.4        | 24.4 162.2               | 0.5 0.0 0.375       | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 919 | G00B_087_025 <sub>de</sub> | 0.625 0.875 0.625   | 0.875 0.25 0.75     | 150                 | 0.625 0.875 0.662   | 75.4 -15.5 4.9        | 16.3 162.2               | 0.458 0.054 0.312   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 920 | G00B_075_012 <sub>de</sub> | 0.625 0.75 0.625    | 0.75 0.125 0.687    | 150                 | 0.625 0.75 0.643    | 72.1 -7.7 2.4         | 8.1 162.2                | 0.438 0.167 0.29    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 921 | NW_062 <sub>de</sub>       | 0.625 0.625 0.625   | 0.625 0.0 0.625     | 360                 | 0.625 0.625 0.625   | 68.9 0.0 0.0          | 0.0 0.0 0.0              | 0.417 0.26 0.26     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 922 | B50R_062_012 <sub>de</sub> | 0.625 0.5 0.625     | 0.625 0.125 0.562   | 330                 | 0.54 0.5 0.625      | 60.8 5.9 -3.6         | 6.9 328.6                | 0.49 0.41 0.278     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 923 | B50R_062_025 <sub>de</sub> | 0.625 0.375 0.625   | 0.625 0.25 0.5      | 330                 | 0.455 0.375 0.625   | 52.7 11.9 -7.2        | 13.9 328.6               | 0.568 0.528 0.295   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 924 | B50R_062_037 <sub>de</sub> | 0.625 0.25 0.625    | 0.625 0.375 0.437   | 330                 | 0.37 0.25 0.625     | 44.7 17.9 -10.9       | 20.9 328.6               | 0.642 0.662 0.305   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 925 | B50R_062_050 <sub>de</sub> | 0.625 0.125 0.625   | 0.625 0.5 0.375     | 330                 | 0.285 0.125 0.625   | 36.6 23.8 -14.5       | 27.9 328.6               | 0.703 0.802 0.334   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 926 | B50R_062_062 <sub>de</sub> | 0.625 0.0 0.625     | 0.625 0.625 0.312   | 330                 | 0.201 0.0 0.625     | 28.5 29.8 -18.2       | 34.9 328.6               | 0.781 0.984 0.373   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 927 | G00B_100_050 <sub>de</sub> | 0.5 1.0 0.5         | 1.0 0.5 0.75        | 150                 | 0.5 1.0 0.575       | 73.1 -31.0 9.9        | 32.6 162.2               | 0.613 0.0 0.418     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 928 | G00B_087_037 <sub>de</sub> | 0.5 0.875 0.5       | 0.875 0.375 0.687   | 150                 | 0.5 0.875 0.556     | 69.8 -23.2 7.4        | 24.4 162.2               | 0.595 0.041 0.413   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 929 | G00B_075_025 <sub>de</sub> | 0.5 0.75 0.5        | 0.75 0.25 0.625     | 150                 | 0.5 0.75 0.537      | 66.5 -15.5 4.9        | 16.3 162.2               | 0.575 0.165 0.403   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 930 | G00B_062_012 <sub>de</sub> | 0.5 0.625 0.5       | 0.625 0.125 0.562   | 150                 | 0.5 0.625 0.518     | 63.2 -7.7 2.4         | 8.1 162.2                | 0.557 0.269 0.384   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 931 | NW_050 <sub>de</sub>       | 0.5 0.5 0.5         | 0.5 0.0 0.5         | 360                 | 0.5 0.5 0.5         | 60.0 0.0 0.0          | 0.0 0.0 0.0              | 0.54 0.382 0.356    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 932 | B50R_050_012 <sub>de</sub> | 0.5 0.375 0.5       | 0.5 0.125 0.437     | 330                 | 0.415 0.375 0.5     | 51.9 5.9 -3.6         | 6.9 328.6                | 0.618 0.497 0.38    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 933 | B50R_050_025 <sub>de</sub> | 0.5 0.25 0.5        | 0.5 0.25 0.375      | 330                 | 0.33 0.249 0.5      | 43.8 11.9 -7.2        | 13.9 328.6               | 0.675 0.632 0.39    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 934 | B50R_050_037 <sub>de</sub> | 0.5 0.125 0.5       | 0.5 0.375 0.312     | 330                 | 0.245 0.124 0.5     | 35.8 17.9 -10.9       | 20.9 328.6               | 0.736 0.786 0.43    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 935 | B50R_050_050 <sub>de</sub> | 0.5 0.0 0.5         | 0.5 0.5 0.25        | 330                 | 0.16 0.0 0.5        | 27.7 23.8 -14.5       | 27.9 328.6               | 0.84 0.99 0.486     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 936 | G00B_100_062 <sub>de</sub> | 0.375 1.0 0.375     | 1.0 0.625 0.687     | 150                 | 0.375 1.0 0.469     | 67.5 -38.8 12.4       | 40.7 162.2               | 0.701 0.0 0.507     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 937 | G00B_087_050 <sub>de</sub> | 0.375 0.875 0.375   | 0.875 0.5 0.625     | 150                 | 0.375 0.875 0.45    | 64.2 -31.0 9.9        | 32.6 162.2               | 0.691 0.041 0.5     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 938 | G00B_075_037 <sub>de</sub> | 0.375 0.75 0.375    | 0.75 0.375 0.562    | 150                 | 0.375 0.75 0.431    | 60.9 -23.2 7.4        | 24.4 162.2               | 0.68 0.167 0.494    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 939 | G00B_062_025 <sub>de</sub> | 0.375 0.625 0.375   | 0.625 0.25 0.5      | 150                 | 0.375 0.625 0.412   | 57.6 -15.5 4.9        | 16.3 162.2               | 0.67 0.275 0.482    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 940 | G00B_050_012 <sub>de</sub> | 0.375 0.5 0.375     | 0.5 0.125 0.437     | 150                 | 0.375 0.5 0.393     | 54.3 -7.7 2.4         | 8.1 162.2                | 0.66 0.388 0.469    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 941 | NW_037 <sub>de</sub>       | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 51.0 0.0 0.0          | 0.0 0.0 0.0              | 0.653 0.473 0.452   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 942 | B50R_037_012 <sub>de</sub> | 0.375 0.25 0.375    | 0.375 0.125 0.312   | 330                 | 0.29 0.249 0.375    | 43.0 5.9 -3.6         | 6.9 328.6                | 0.709 0.61 0.475    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 943 | B50R_037_025 <sub>de</sub> | 0.375 0.125 0.375   | 0.375 0.25 0.25     | 330                 | 0.205 0.124 0.375   | 34.9 11.9 -7.2        | 13.9 328.6               | 0.783 0.778 0.524   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 944 | B50R_037_037 <sub>de</sub> | 0.375 0.0 0.375     | 0.375 0.375 0.187   | 330                 | 0.12 0.0 0.375      | 26.9 17.9 -10.9       | 20.9 328.6               | 0.887 0.986 0.593   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 945 | G00B_100_075 <sub>de</sub> | 0.25 1.0 0.25       | 1.0 0.75 0.625      | 150                 | 0.25 1.0 0.363      | 61.9 -46.5 14.9       | 48.9 162.2               | 0.822 0.809 0.0     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 946 | G00B_087_062 <sub>de</sub> | 0.25 0.875 0.25     | 0.875 0.625 0.562   | 150                 | 0.25 0.875 0.344    | 58.6 -38.8 12.4       | 40.7 162.2               | 0.795 0.053 0.596   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 947 | G00B_075_050 <sub>de</sub> | 0.25 0.75 0.25      | 0.75 0.5 0.5        | 150                 | 0.25 0.75 0.325     | 55.3 -31.0 9.9        | 32.6 162.2               | 0.782 0.18 0.592    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 948 | G00B_062_037 <sub>de</sub> | 0.25 0.625 0.25     | 0.625 0.375 0.437   | 150                 | 0.25 0.625 0.306    | 52.0 -23.2 7.4        | 24.4 162.2               | 0.769 0.292 0.584   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 949 | G00B_050_025 <sub>de</sub> | 0.25 0.5 0.25       | 0.5 0.25 0.375      | 150                 | 0.249 0.5 0.287     | 48.7 -15.5 4.9        | 16.3 162.2               | 0.754 0.401 0.574   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 950 | G00B_037_012 <sub>de</sub> | 0.25 0.375 0.25     | 0.375 0.125 0.312   | 150                 | 0.249 0.375 0.268   | 45.4 -7.7 2.4         | 8.1 162.2                | 0.748 0.488 0.562   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 951 | NW_025 <sub>de</sub>       | 0.25 0.25 0.25      | 0.25 0.0 0.25       | 360                 | 0.25 0.25 0.25      | 42.1 0.0 0.0          | 0.0 0.0 0.0              | 0.743 0.587 0.55    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 952 | B50R_025_012 <sub>de</sub> | 0.25 0.125 0.25     | 0.25 0.125 0.187    | 330                 | 0.165 0.124 0.25    | 34.1 5.9 -3.6         | 6.9 328.6                | 0.84 0.778 0.626    | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 953 | B50R_025_025 <sub>de</sub> | 0.25 0.0 0.25       | 0.25 0.25 0.125     | 330                 | 0.08 0.0 0.25       | 26.0 11.9 -7.2        | 13.9 328.6               | 0.927 0.983 0.705   | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 954 | G00B_100_087 <sub>de</sub> | 0.125 1.0 0.125     | 1.0 0.875 0.562     | 150                 | 0.125 1.0 0.257     | 56.3 -54.3 17.4       | 57.0 162.2               | 0.917 0.0 0.749     | 0.0 0.0 0.0         | 0.0 0.0 0.0           |
| 955 | G00B_087_075 <sub>de</sub> | 0.125 0.875 0.125   | 0.875 0.75 0.5      | 150                 | 0.125 0.875 0.238   | 53.0 -46.5 14.9       | 48.9 162.2               | 0.909 0.095 0.725   | 0.0                 |                       |

see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

| n    | HIC*F <sub>de</sub>  | rgb_F <sub>de</sub> |       |       | ict_F <sub>de</sub> | hsi_F <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |       |       | cmyn*sep_F <sub>de</sub> | hsiM <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |     |     |
|------|----------------------|---------------------|-------|-------|---------------------|---------------------|---------------------|-----------------------|-------|-------|--------------------------|--------------------|---------------------|-----------------------|-----|-----|
| 972  | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 973  | NW_012 <sub>de</sub> | 0.125               | 0.125 | 0.125 | 0.125               | 0.0                 | 360                 | 0.125                 | 0.125 | 0.125 | 33.2                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 974  | NW_025 <sub>de</sub> | 0.25                | 0.25  | 0.25  | 0.25                | 0.0                 | 360                 | 0.25                  | 0.25  | 0.25  | 42.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 975  | NW_037 <sub>de</sub> | 0.375               | 0.375 | 0.375 | 0.375               | 0.0                 | 360                 | 0.375                 | 0.375 | 0.375 | 51.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 976  | NW_050 <sub>de</sub> | 0.5                 | 0.5   | 0.5   | 0.5                 | 0.0                 | 360                 | 0.5                   | 0.5   | 0.5   | 60.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 977  | NW_062 <sub>de</sub> | 0.625               | 0.625 | 0.625 | 0.625               | 0.0                 | 360                 | 0.625                 | 0.625 | 0.625 | 68.9                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 978  | NW_075 <sub>de</sub> | 0.75                | 0.75  | 0.75  | 0.75                | 0.0                 | 360                 | 0.75                  | 0.75  | 0.75  | 77.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 979  | NW_087 <sub>de</sub> | 0.875               | 0.875 | 0.875 | 0.875               | 0.0                 | 360                 | 0.875                 | 0.875 | 0.875 | 86.7                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 980  | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 981  | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 982  | NW_012 <sub>de</sub> | 0.125               | 0.125 | 0.125 | 0.125               | 0.0                 | 360                 | 0.125                 | 0.125 | 0.125 | 33.2                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 983  | NW_025 <sub>de</sub> | 0.25                | 0.25  | 0.25  | 0.25                | 0.0                 | 360                 | 0.25                  | 0.25  | 0.25  | 42.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 984  | NW_037 <sub>de</sub> | 0.375               | 0.375 | 0.375 | 0.375               | 0.0                 | 360                 | 0.375                 | 0.375 | 0.375 | 51.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 985  | NW_050 <sub>de</sub> | 0.5                 | 0.5   | 0.5   | 0.5                 | 0.0                 | 360                 | 0.5                   | 0.5   | 0.5   | 60.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 986  | NW_062 <sub>de</sub> | 0.625               | 0.625 | 0.625 | 0.625               | 0.0                 | 360                 | 0.625                 | 0.625 | 0.625 | 68.9                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 987  | NW_075 <sub>de</sub> | 0.75                | 0.75  | 0.75  | 0.75                | 0.0                 | 360                 | 0.75                  | 0.75  | 0.75  | 77.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 988  | NW_087 <sub>de</sub> | 0.875               | 0.875 | 0.875 | 0.875               | 0.0                 | 360                 | 0.875                 | 0.875 | 0.875 | 86.7                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 989  | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 990  | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 991  | NW_012 <sub>de</sub> | 0.125               | 0.125 | 0.125 | 0.125               | 0.0                 | 360                 | 0.125                 | 0.125 | 0.125 | 33.2                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 992  | NW_025 <sub>de</sub> | 0.25                | 0.25  | 0.25  | 0.25                | 0.0                 | 360                 | 0.25                  | 0.25  | 0.25  | 42.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 993  | NW_037 <sub>de</sub> | 0.375               | 0.375 | 0.375 | 0.375               | 0.0                 | 360                 | 0.375                 | 0.375 | 0.375 | 51.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 994  | NW_050 <sub>de</sub> | 0.5                 | 0.5   | 0.5   | 0.5                 | 0.0                 | 360                 | 0.5                   | 0.5   | 0.5   | 60.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 995  | NW_062 <sub>de</sub> | 0.625               | 0.625 | 0.625 | 0.625               | 0.0                 | 360                 | 0.625                 | 0.625 | 0.625 | 68.9                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 996  | NW_075 <sub>de</sub> | 0.75                | 0.75  | 0.75  | 0.75                | 0.0                 | 360                 | 0.75                  | 0.75  | 0.75  | 77.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 997  | NW_087 <sub>de</sub> | 0.875               | 0.875 | 0.875 | 0.875               | 0.0                 | 360                 | 0.875                 | 0.875 | 0.875 | 86.7                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 998  | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 999  | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1000 | NW_012 <sub>de</sub> | 0.125               | 0.125 | 0.125 | 0.125               | 0.0                 | 360                 | 0.125                 | 0.125 | 0.125 | 33.2                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1001 | NW_025 <sub>de</sub> | 0.25                | 0.25  | 0.25  | 0.25                | 0.0                 | 360                 | 0.25                  | 0.25  | 0.25  | 42.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1002 | NW_037 <sub>de</sub> | 0.375               | 0.375 | 0.375 | 0.375               | 0.0                 | 360                 | 0.375                 | 0.375 | 0.375 | 51.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1003 | NW_050 <sub>de</sub> | 0.5                 | 0.5   | 0.5   | 0.5                 | 0.0                 | 360                 | 0.5                   | 0.5   | 0.5   | 60.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1004 | NW_062 <sub>de</sub> | 0.625               | 0.625 | 0.625 | 0.625               | 0.0                 | 360                 | 0.625                 | 0.625 | 0.625 | 68.9                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1005 | NW_075 <sub>de</sub> | 0.75                | 0.75  | 0.75  | 0.75                | 0.0                 | 360                 | 0.75                  | 0.75  | 0.75  | 77.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1006 | NW_087 <sub>de</sub> | 0.875               | 0.875 | 0.875 | 0.875               | 0.0                 | 360                 | 0.875                 | 0.875 | 0.875 | 86.7                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1007 | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1008 | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1009 | NW_006 <sub>de</sub> | 0.066               | 0.066 | 0.066 | 0.066               | 0.0                 | 360                 | 0.066                 | 0.066 | 0.066 | 29.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1010 | NW_013 <sub>de</sub> | 0.133               | 0.133 | 0.133 | 0.133               | 0.0                 | 360                 | 0.133                 | 0.133 | 0.133 | 33.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1011 | NW_020 <sub>de</sub> | 0.2                 | 0.2   | 0.2   | 0.2                 | 0.0                 | 360                 | 0.2                   | 0.2   | 0.2   | 38.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1012 | NW_026 <sub>de</sub> | 0.266               | 0.266 | 0.266 | 0.266               | 0.0                 | 360                 | 0.266                 | 0.266 | 0.266 | 43.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1013 | NW_033 <sub>de</sub> | 0.333               | 0.333 | 0.333 | 0.333               | 0.0                 | 360                 | 0.333                 | 0.333 | 0.333 | 48.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1014 | NW_040 <sub>de</sub> | 0.4                 | 0.4   | 0.4   | 0.4                 | 0.0                 | 360                 | 0.4                   | 0.4   | 0.4   | 52.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1015 | NW_046 <sub>de</sub> | 0.466               | 0.466 | 0.466 | 0.466               | 0.0                 | 360                 | 0.466                 | 0.466 | 0.466 | 57.5                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1016 | NW_053 <sub>de</sub> | 0.533               | 0.533 | 0.533 | 0.533               | 0.0                 | 360                 | 0.533                 | 0.533 | 0.533 | 62.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1017 | NW_060 <sub>de</sub> | 0.6                 | 0.6   | 0.6   | 0.6                 | 0.0                 | 360                 | 0.6                   | 0.6   | 0.6   | 67.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1018 | NW_066 <sub>de</sub> | 0.666               | 0.666 | 0.666 | 0.666               | 0.0                 | 360                 | 0.666                 | 0.666 | 0.666 | 71.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1019 | NW_073 <sub>de</sub> | 0.734               | 0.734 | 0.734 | 0.734               | 0.0                 | 360                 | 0.734                 | 0.734 | 0.734 | 76.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1020 | NW_080 <sub>de</sub> | 0.8                 | 0.8   | 0.8   | 0.8                 | 0.0                 | 360                 | 0.8                   | 0.8   | 0.8   | 81.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1021 | NW_086 <sub>de</sub> | 0.866               | 0.866 | 0.866 | 0.866               | 0.0                 | 360                 | 0.866                 | 0.866 | 0.866 | 86.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1022 | NW_093 <sub>de</sub> | 0.933               | 0.933 | 0.933 | 0.933               | 0.0                 | 360                 | 0.933                 | 0.933 | 0.933 | 90.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1023 | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1024 | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1025 | NW_006 <sub>de</sub> | 0.066               | 0.066 | 0.066 | 0.066               | 0.0                 | 360                 | 0.066                 | 0.066 | 0.066 | 29.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1026 | NW_013 <sub>de</sub> | 0.133               | 0.133 | 0.133 | 0.133               | 0.0                 | 360                 | 0.133                 | 0.133 | 0.133 | 33.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1027 | NW_020 <sub>de</sub> | 0.2                 | 0.2   | 0.2   | 0.2                 | 0.0                 | 360                 | 0.2                   | 0.2   | 0.2   | 38.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1028 | NW_026 <sub>de</sub> | 0.266               | 0.266 | 0.266 | 0.266               | 0.0                 | 360                 | 0.266                 | 0.266 | 0.266 | 43.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1029 | NW_033 <sub>de</sub> | 0.333               | 0.333 | 0.333 | 0.333               | 0.0                 | 360                 | 0.333                 | 0.333 | 0.333 | 48.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1030 | NW_040 <sub>de</sub> | 0.4                 | 0.4   | 0.4   | 0.4                 | 0.0                 | 360                 | 0.4                   | 0.4   | 0.4   | 52.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1031 | NW_046 <sub>de</sub> | 0.466               | 0.466 | 0.466 | 0.466               | 0.0                 | 360                 | 0.466                 | 0.466 | 0.466 | 57.5                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1032 | NW_053 <sub>de</sub> | 0.533               | 0.533 | 0.533 | 0.533               | 0.0                 | 360                 | 0.533                 | 0.533 | 0.533 | 62.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1033 | NW_060 <sub>de</sub> | 0.6                 | 0.6   | 0.6   | 0.6                 | 0.0                 | 360                 | 0.6                   | 0.6   | 0.6   | 67.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1034 | NW_066 <sub>de</sub> | 0.666               | 0.666 | 0.666 | 0.666               | 0.0                 | 360                 | 0.666                 | 0.666 | 0.666 | 71.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1035 | NW_073 <sub>de</sub> | 0.734               | 0.734 | 0.734 | 0.734               | 0.0                 | 360                 | 0.734                 | 0.734 | 0.734 | 76.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1036 | NW_080 <sub>de</sub> | 0.8                 | 0.8   | 0.8   | 0.8                 | 0.0                 | 360                 | 0.8                   | 0.8   | 0.8   | 81.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1037 | NW_086 <sub>de</sub> | 0.866               | 0.866 | 0.866 | 0.866               | 0.0                 | 360                 | 0.866                 | 0.866 | 0.866 | 86.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1038 | NW_093 <sub>de</sub> | 0.933               | 0.933 | 0.933 | 0.933               | 0.0                 | 360                 | 0.933                 | 0.933 | 0.933 | 90.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1039 | NW_100 <sub>de</sub> | 1.0                 | 1.0   | 1.0   | 1.0                 | 0.0                 | 360                 | 1.0                   | 1.0   | 1.0   | 95.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1040 | NW_000 <sub>de</sub> | 0.0                 | 0.0   | 0.0   | 0.0                 | 0.0                 | 360                 | 0.0                   | 0.0   | 0.0   | 24.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1041 | NW_006 <sub>de</sub> | 0.066               | 0.066 | 0.066 | 0.066               | 0.0                 | 360                 | 0.066                 | 0.066 | 0.066 | 29.0                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1042 | NW_013 <sub>de</sub> | 0.133               | 0.133 | 0.133 | 0.133               | 0.0                 | 360                 | 0.133                 | 0.133 | 0.133 | 33.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1043 | NW_020 <sub>de</sub> | 0.2                 | 0.2   | 0.2   | 0.2                 | 0.0                 | 360                 | 0.2                   | 0.2   | 0.2   | 38.6                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1044 | NW_026 <sub>de</sub> | 0.266               | 0.266 | 0.266 | 0.266               | 0.0                 | 360                 | 0.266                 | 0.266 | 0.266 | 43.3                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1045 | NW_033 <sub>de</sub> | 0.333               | 0.333 | 0.333 | 0.333               | 0.0                 | 360                 | 0.333                 | 0.333 | 0.333 | 48.1                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |
| 1046 | NW_040 <sub>de</sub> | 0.4                 | 0.4   | 0.4   | 0.4                 | 0.0                 | 360                 | 0.4                   | 0.4   | 0.4   | 52.8                     | 0.0                | 0.0                 | 0.0                   | 0.0 | 0.0 |

see similar files: <http://130.149.60.45/~farbmetrik/TE78/TE78L0FP.PDF> / .PS  
technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20150901-TE78/TE78L0FP.PDF /.PS  
application for measurement of offset print output, separation cmyk\* (CMY0)

TUB material: code=rha4ta

| n                                   | HIC*Fde        | rgb_Fde |       |       | ict_Fde |     | hsi_F,de | rgb*Fde |       |       | LabCh*Fde |      |       |       | cmyrn*sep,Fde |       |       |       | hsiM,de | rgb*Mde |     |       | LabCh*Mde |       |       |       |       |      |       |      |
|-------------------------------------|----------------|---------|-------|-------|---------|-----|----------|---------|-------|-------|-----------|------|-------|-------|---------------|-------|-------|-------|---------|---------|-----|-------|-----------|-------|-------|-------|-------|------|-------|------|
| 1053                                | NW_086de       | 0.866   | 0.866 | 0.866 | 0.866   | 0.0 | 0.866    | 360     | 0.866 | 0.866 | 0.866     | 86.0 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.173 | 0.108   | 0.099   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1054                                | NW_093de       | 0.933   | 0.933 | 0.933 | 0.933   | 0.0 | 0.933    | 360     | 0.933 | 0.933 | 0.933     | 90.8 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.09  | 0.054   | 0.05    | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1055                                | NW_100de       | 1.0     | 1.0   | 1.0   | 1.0     | 0.0 | 1.0      | 360     | 1.0   | 1.0   | 1.0       | 95.6 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.0   | 0.0     | 0.0     | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1056                                | NW_000de       | 0.0     | 0.0   | 0.0   | 0.0     | 0.0 | 0.0      | 360     | 0.0   | 0.0   | 0.0       | 24.3 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 1.0   | 1.0     | 1.0     | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1057                                | NW_006de       | 0.066   | 0.066 | 0.066 | 0.066   | 0.0 | 0.066    | 360     | 0.066 | 0.066 | 0.066     | 29.0 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.935 | 0.855   | 0.825   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1058                                | NW_013de       | 0.133   | 0.133 | 0.133 | 0.133   | 0.0 | 0.133    | 360     | 0.133 | 0.133 | 0.133     | 33.8 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.879 | 0.763   | 0.725   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1059                                | NW_020de       | 0.2     | 0.2   | 0.2   | 0.2     | 0.0 | 0.2      | 360     | 0.2   | 0.2   | 0.2       | 38.6 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.799 | 0.661   | 0.614   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1060                                | NW_026de       | 0.266   | 0.266 | 0.266 | 0.266   | 0.0 | 0.266    | 360     | 0.266 | 0.266 | 0.266     | 43.3 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.731 | 0.571   | 0.537   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1061                                | NW_033de       | 0.333   | 0.333 | 0.333 | 0.333   | 0.0 | 0.333    | 360     | 0.333 | 0.333 | 0.333     | 48.1 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.682 | 0.507   | 0.485   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1062                                | NW_040de       | 0.4     | 0.4   | 0.4   | 0.4     | 0.0 | 0.4      | 360     | 0.4   | 0.4   | 0.4       | 52.8 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.636 | 0.454   | 0.433   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1063                                | NW_046de       | 0.466   | 0.466 | 0.466 | 0.466   | 0.0 | 0.466    | 360     | 0.466 | 0.466 | 0.466     | 57.5 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.574 | 0.404   | 0.381   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1064                                | NW_053de       | 0.533   | 0.533 | 0.533 | 0.533   | 0.0 | 0.533    | 360     | 0.533 | 0.533 | 0.533     | 62.3 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.509 | 0.354   | 0.33    | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1065                                | NW_060de       | 0.6     | 0.6   | 0.6   | 0.6     | 0.0 | 0.6      | 360     | 0.6   | 0.6   | 0.6       | 67.1 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.442 | 0.285   | 0.278   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1066                                | NW_066de       | 0.666   | 0.666 | 0.666 | 0.666   | 0.0 | 0.666    | 360     | 0.666 | 0.666 | 0.666     | 71.8 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.377 | 0.228   | 0.228   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1067                                | NW_073de       | 0.734   | 0.734 | 0.734 | 0.734   | 0.0 | 0.734    | 360     | 0.734 | 0.734 | 0.734     | 76.6 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.314 | 0.191   | 0.186   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1068                                | NW_080de       | 0.8     | 0.8   | 0.8   | 0.8     | 0.0 | 0.8      | 360     | 0.8   | 0.8   | 0.8       | 81.3 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.252 | 0.153   | 0.146   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1069                                | NW_086de       | 0.866   | 0.866 | 0.866 | 0.866   | 0.0 | 0.866    | 360     | 0.866 | 0.866 | 0.866     | 86.0 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.173 | 0.108   | 0.099   | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1070                                | NW_093de       | 0.933   | 0.933 | 0.933 | 0.933   | 0.0 | 0.933    | 360     | 0.933 | 0.933 | 0.933     | 90.8 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.09  | 0.054   | 0.05    | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1071                                | NW_100de       | 1.0     | 1.0   | 1.0   | 1.0     | 0.0 | 1.0      | 360     | 1.0   | 1.0   | 1.0       | 95.6 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.0   | 0.0     | 0.0     | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1072                                | NW_000de       | 0.0     | 0.0   | 0.0   | 0.0     | 0.0 | 0.0      | 360     | 0.0   | 0.0   | 0.0       | 24.3 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 1.0   | 1.0     | 1.0     | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1073                                | NW_100de       | 1.0     | 1.0   | 1.0   | 1.0     | 0.0 | 1.0      | 360     | 1.0   | 1.0   | 1.0       | 95.6 | 0.0   | 0.0   | 0.0           | 0.0   | 0.0   | 0.0   | 0.0     | 0.0     | 0.0 | 360   | 1.0       | 1.0   | 1.0   | 95.6  | 0.0   | 0.0  | 0.0   | 0.0  |
| 1074                                | R00Y_100_100de | 1.0     | 0.0   | 0.0   | 1.0     | 1.0 | 0.5      | 390     | 1.0   | 0.0   | 0.254     | 45.6 | 72.2  | 34.4  | 80.0          | 25.4  | 0.0   | 0.0   | 1.0     | 0.744   | 0.0 | 375   | 1.0       | 0.0   | 0.254 | 45.6  | 72.2  | 34.4 | 80.0  | 25.4 |
| 1075                                | G50B_100_100de | 0.0     | 1.0   | 1.0   | 1.0     | 1.0 | 0.5      | 210     | 0.0   | 1.0   | 0.747     | 55.0 | -36.2 | -27.2 | 45.3          | 216.9 | 1.0   | 0.0   | 0.253   | 0.0     | 195 | 0.0   | 1.0       | 0.747 | 55.0  | -36.2 | -27.2 | 45.3 | 216.9 |      |
| 1076                                | Y00G_100_100de | 1.0     | 1.0   | 0.0   | 1.0     | 1.0 | 0.5      | 90      | 1.0   | 0.878 | 0.0       | 83.6 | -3.6  | 90.4  | 90.4          | 92.3  | 0.0   | 0.121 | 1.0     | 0.0     | 83  | 1.0   | 0.878     | 0.0   | 83.6  | -3.6  | 90.4  | 90.4 | 92.3  |      |
| 1077                                | B00R_100_100de | 0.0     | 0.0   | 1.0   | 1.0     | 1.0 | 0.5      | 270     | 0.0   | 0.458 | 1.0       | 40.2 | 1.2   | -40.6 | 40.6          | 271.7 | 1.0   | 0.539 | 0.0     | 0.0     | 242 | 0.0   | 0.458     | 1.0   | 40.2  | 1.2   | -40.6 | 40.6 | 271.7 |      |
| 1078                                | G00B_100_100de | 0.0     | 1.0   | 0.0   | 1.0     | 1.0 | 0.5      | 150     | 0.0   | 1.0   | 0.151     | 50.6 | -62.1 | 19.9  | 65.2          | 162.2 | 1.0   | 0.0   | 0.847   | 0.0     | 158 | 0.0   | 1.0       | 0.151 | 50.6  | -62.1 | 19.9  | 65.2 | 162.2 |      |
| 1079                                | B50R_100_100de | 1.0     | 0.0   | 1.0   | 1.0     | 1.0 | 0.5      | 330     | 0.321 | 0.0   | 1.0       | 31.1 | 47.7  | -29.1 | 55.9          | 328.6 | 0.677 | 0.999 | 0.0     | 0.0     | 288 | 0.321 | 0.0       | 1.0   | 31.1  | 47.7  | -29.1 | 55.9 | 328.6 |      |
| Mean color difference of this page: |                |         |       |       |         |     |          |         |       |       |           |      |       |       | delta         |       |       |       |         |         |     |       |           |       |       |       |       |      |       |      |

test chart TE78; ME16(ISO 9241-306), 3(ISO/IEC 15775)  
colors and differences,  $\Delta E^*$ , 3D=1, de=1, cmyk\*

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