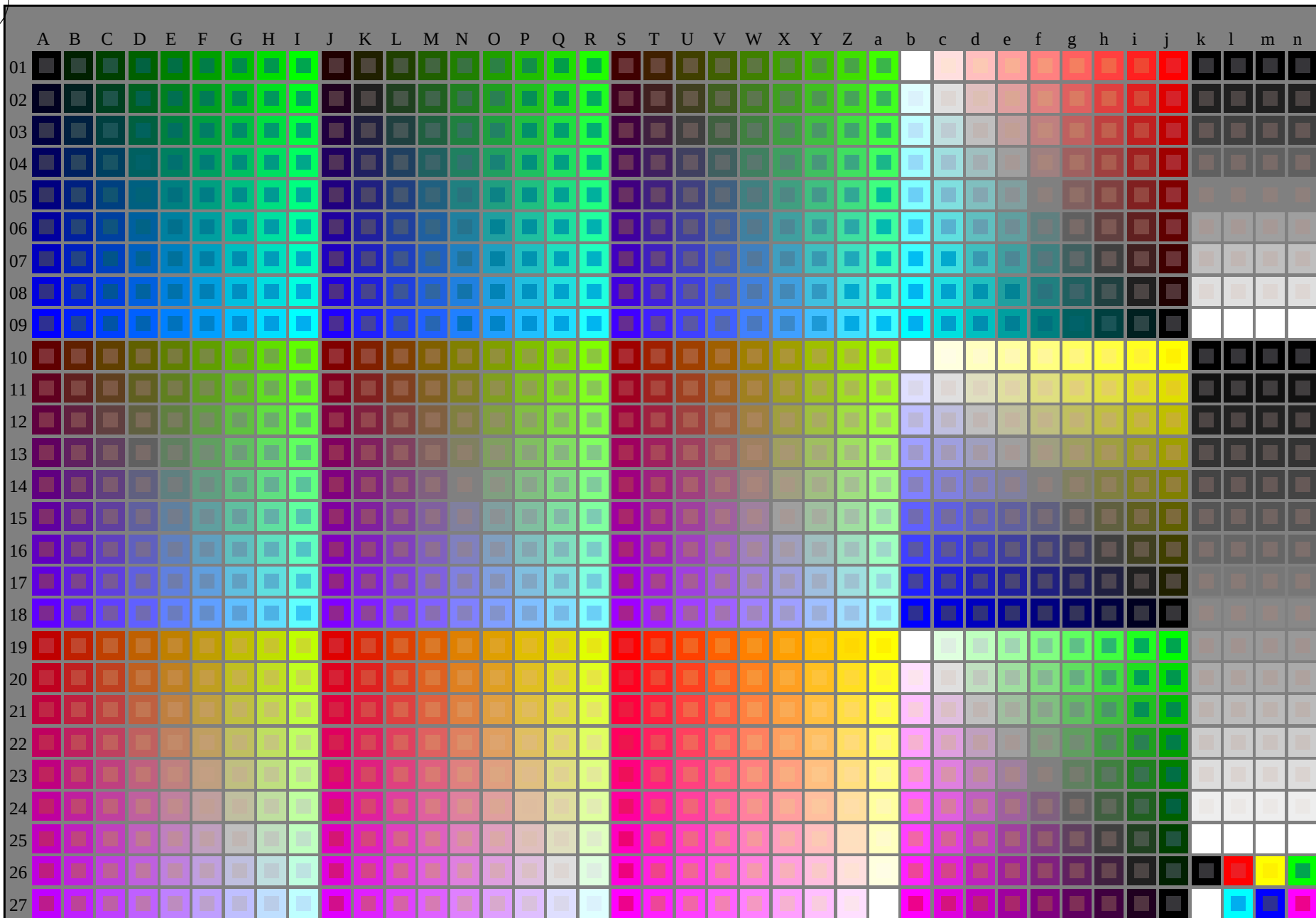


vedere dei file simili: <http://130.149.60.45/~farbmetrik/SI12/SI12.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>



4-113030-L0

SI120-7N

rgb + cmy0 (A,j + k26\_n27), 000n (k), w (l), nnn0 (m), www (n), 3D = 1

grafico TUB-SI12; 1080 colori standard  
grafico conformemente a DIN 33872

immettere: *rgb/cmyk* -> *rgb/cmyk*  
uscita: nessun cambiamento

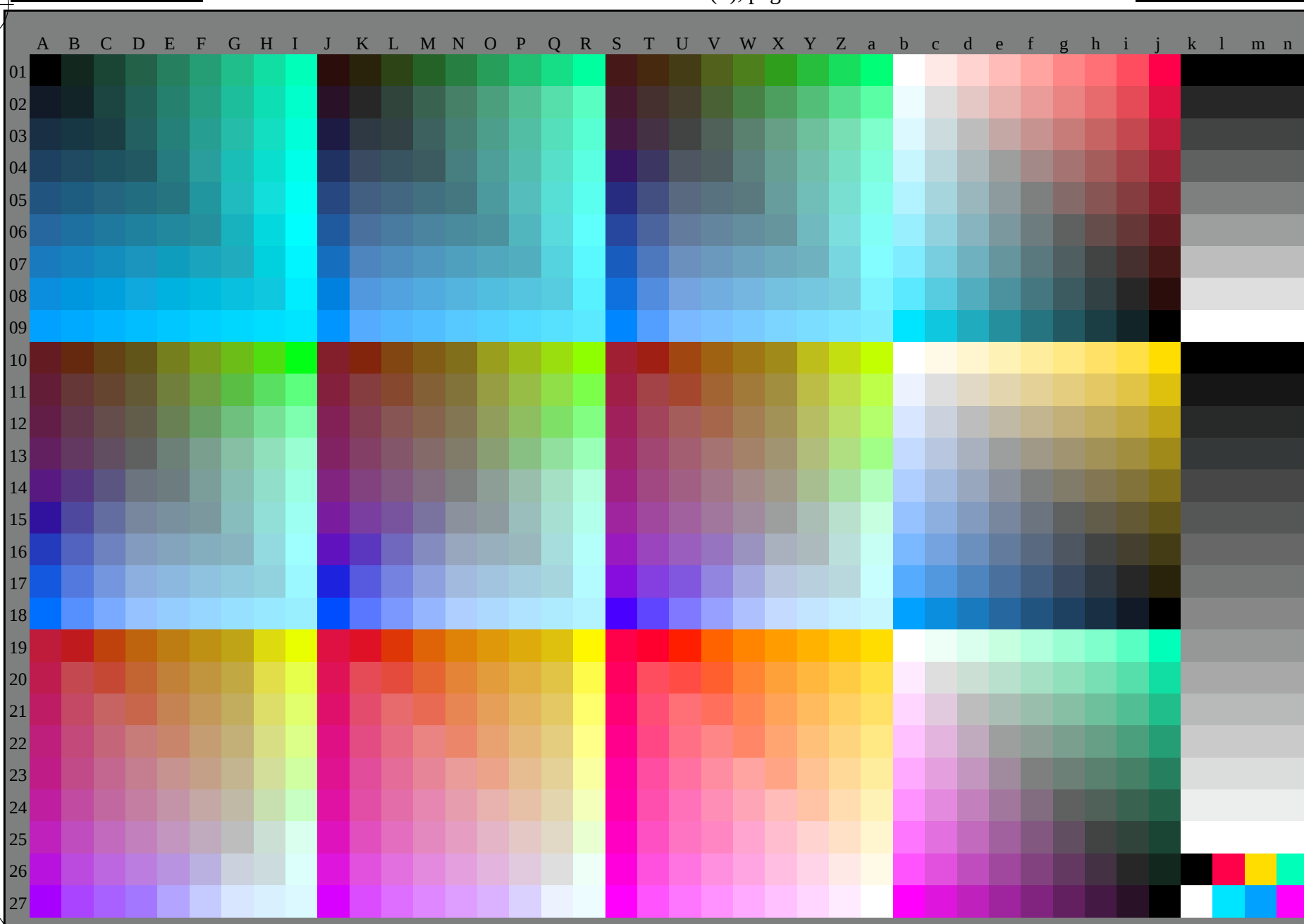
TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display

TUB materiale: code=rha4ta

vedere dei file simili: <http://130.149.60.45/~farbmetrik/SI12/SI12.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta



4-113130-L0

SI120-73

rgb (A\_n), 3D = 1

grafico TUB-SI12; 1080 colori standard  
grafico conformemente a DIN 33872, 3D=1, de=1, sRGB\*

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
uscita: 3D-linearizzazzione a  $rgb^*_{de}$

4-113130-F0

C

M

Y

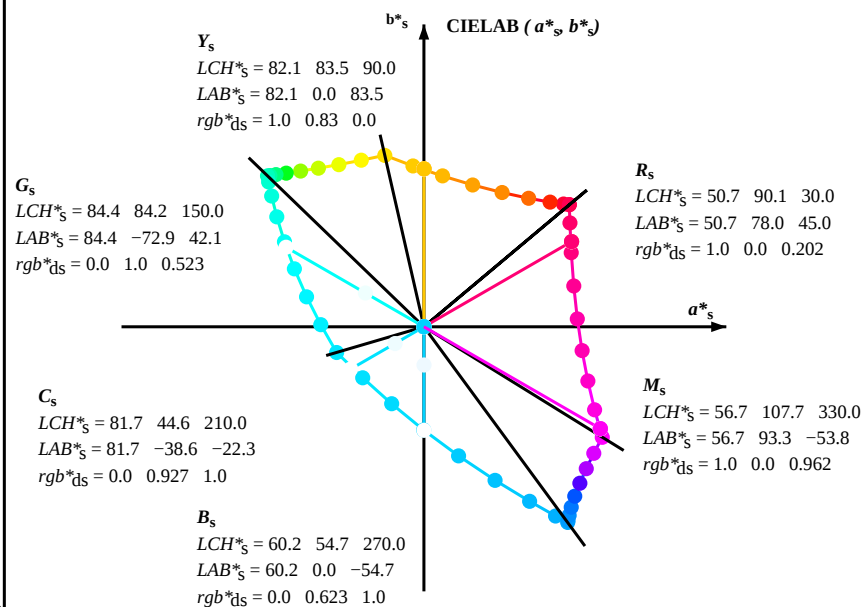
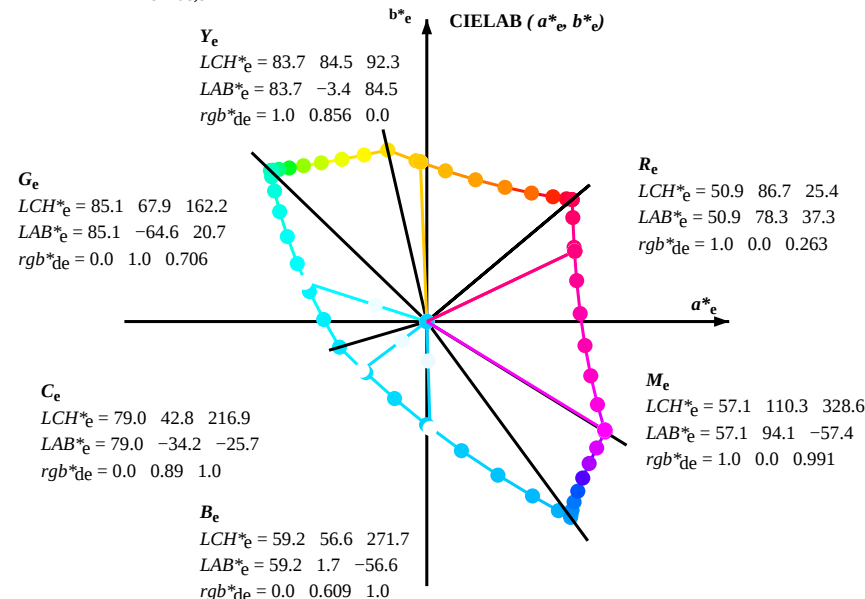
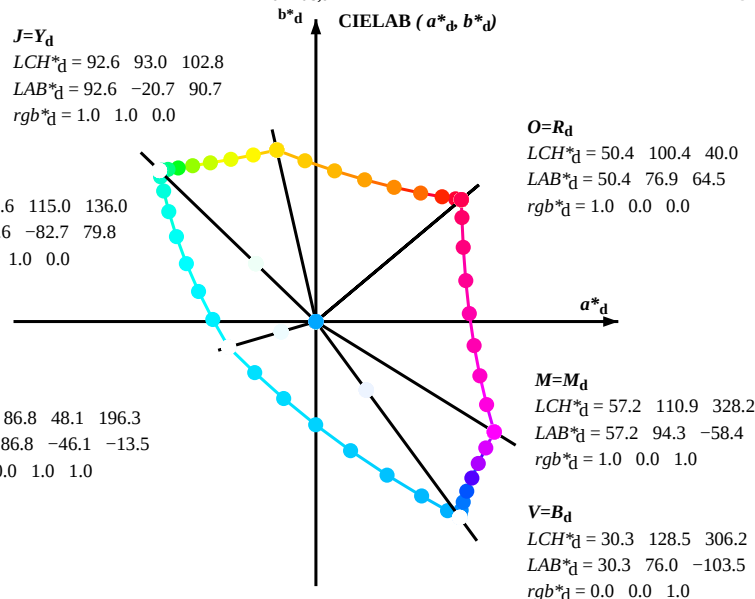
O

L

V

C

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$



$$(a^*_d, b^*_d), (a^*_s, b^*_s), (a^*_e, b^*_e)$$

$$rgb^*_d, LCH^*_d, LAB^*_d$$

$$h_{ab,s} = atan [ r^*_d \cos(30) + g^*_d \cos(150) ] / [ r^*_d \sin(30) + g^*_d \sin(150) + b^*_d \sin(270) ] \quad (1)$$

$$s: h_{ab,i} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0, 390.0 \ (i=0,6)$$

$$h_{48ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 8 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (2)$$

$$h_{360ab,sij} = h_{ab,si} + j [h_{ab,si+1} - h_{ab,si}] / 60 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (3)$$

$$h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6, 385.5 \ (i=0,6)$$

$$h_{48ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 8 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 7) \quad (4)$$

$$h_{360ab,eij} = h_{ab,ei} + j [h_{ab,ei+1} - h_{ab,ei}] / 60 \ (i = 0, 1, \dots, 5; j = 0, 1, \dots, 59) \quad (5)$$

$$h_{ab,d}$$

$$rgb^*_{de}$$

4-113230-L0 SI120-73 LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

uscita: sRGB standard device; no separation, D65, pagina 3/29

grafico TUB-SI12; 1080 colori standard  
cerchio delle tinte a 48 passi;  $rgb-LabCh^*tavole$ , 3D=1, de=1, ssRGB

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
3D-linearizzazzione a  $rgb^*_{de}$

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours RYGBM<sub>s</sub>:  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours RYGBM<sub>d</sub>:  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| h <sub>ab,d</sub> | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb*<br>dd64M      | LAB*<br>ddx64M (x=LabCh)    | rgb*<br>ddx361M    | LAB*<br>dex361M (x=LabCh) | rgb*<br>dsx361M                          | LAB*<br>dsx361M (x=LabCh)                | rgb*<br>dex361M                              | LAB*<br>dex361M | rgb*<br>dd64M | rgb*<br>dsx361M | rgb*<br>dex361M |
|-------------------|-------------------|-------------------|--------------------|-----------------------------|--------------------|---------------------------|------------------------------------------|------------------------------------------|----------------------------------------------|-----------------|---------------|-----------------|-----------------|
| 40.0              | 30.0              | 25.4              | 1.0 0.0 0.0        | 50.4 76.9 64.5 100.4 40.0   | 1.0 0.0 0.0        | 50.5 76.9 64.6 100.4 40   | 1.0 0.0 0.203 50.8 78.0 45.1 90.1 30     | 1.0 0.0 0.263 50.9 78.3 37.3 86.7 25     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 41.3              | 37.5              | 33.8              | 1.0 0.125 0.0      | 51.5 73.9 64.9 98.3 41.3    | 1.0 0.117 0.0      | 51.5 74.1 64.9 98.5 41    | 1.0 0.0 0.082 50.6 77.2 58.2 96.7 37     | 1.0 0.0 0.156 50.7 77.7 51.0 92.9 33     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 44.6              | 45.0              | 42.1              | 1.0 0.25 0.0       | 54.0 66.7 65.9 93.8 44.6    | 1.0 0.25 0.0       | 54.1 66.7 66.0 93.8 44    | 1.0 0.256 0.0 54.3 66.1 66.1 93.5 45     | 1.0 0.157 0.0 52.2 72.0 65.3 97.2 42     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 50.7              | 52.5              | 50.5              | 1.0 0.375 0.0      | 58.2 55.4 67.9 87.7 50.7    | 1.0 0.367 0.0      | 57.9 56.2 67.9 88.2 50    | 1.0 0.392 0.0 58.9 53.6 68.6 87.0 52     | 1.0 0.358 0.0 57.7 56.9 67.8 88.6 49     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 59.7              | 60.0              | 58.8              | 1.0 0.5 0.0        | 63.6 41.3 71.0 82.2 59.7    | 1.0 0.5 0.0        | 63.7 41.4 71.0 82.2 59    | 1.0 0.502 0.0 63.8 41.1 71.2 82.2 60     | 1.0 0.488 0.0 63.1 42.8 70.9 82.8 58     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 71.0              | 67.5              | 67.2              | 1.0 0.625 0.0      | 70.1 25.7 75.0 79.3 71.0    | 1.0 0.617 0.0      | 69.7 26.8 74.9 79.6 70    | 1.0 0.58 0.0 67.8 31.4 74.0 80.4 67      | 1.0 0.577 0.0 67.6 31.8 73.9 80.5 66     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 82.9              | 75.0              | 75.6              | 1.0 0.75 0.0       | 77.2 9.8 79.7 80.4 82.9     | 1.0 0.75 0.0       | 77.2 9.8 79.8 80.4 82     | 1.0 0.667 0.0 72.5 20.6 77.0 79.7 75     | 1.0 0.673 0.0 72.8 19.8 77.3 79.8 75     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 93.8              | 82.5              | 83.9              | 1.0 0.875 0.0      | 84.8 -5.7 85.0 85.2 93.8    | 1.0 0.867 0.0      | 84.3 -4.6 84.8 85.0 93    | 1.0 0.74 0.0 76.7 11.2 79.5 80.3 82      | 1.0 0.755 0.0 77.5 9.3 80.1 80.6 83      | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 102.8             | 90.0              | 92.3              | 1.0 1.0 0.0        | 92.6 -20.7 90.7 93.0 102.8  | 1.0 1.0 0.0        | 92.7 -20.6 90.8 93.1 102  | 1.0 0.831 0.0 82.1 0.0 83.5 83.5 90      | 1.0 0.857 0.0 83.7 -3.3 84.5 84.6 92     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 110.5             | 97.5              | 101.0             | 0.875 1.0 0.0      | 90.4 -33.1 88.1 94.1 110.5  | 0.883 1.0 0.0      | 90.6 -32.2 88.4 94.1 110  | 1.0 0.918 0.0 87.5 -10.6 87.3 88.0 97    | 1.0 0.967 0.0 90.6 -16.4 89.5 91.0 100   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 117.6             | 105.0             | 109.7             | 0.75 1.0 0.0       | 88.5 -44.9 85.8 96.8 117.6  | 0.75 1.0 0.0       | 88.5 -44.8 85.8 96.9 117  | 0.965 1.0 0.0 92.0 -24.1 90.2 93.4 105   | 0.888 1.0 0.0 90.7 -31.7 88.5 94.0 109   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 123.6             | 112.5             | 118.5             | 0.625 1.0 0.0      | 86.9 -55.8 83.9 100.7 123.6 | 0.633 1.0 0.0      | 87.1 -55.0 84.1 100.5 123 | 0.85 1.0 0.0 90.1 -35.4 87.8 94.7 112    | 0.743 1.0 0.0 88.5 -45.4 85.8 97.1 117   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 128.3             | 120.0             | 127.2             | 0.5 1.0 0.0        | 85.7 -65.2 82.4 105.1 128.3 | 0.5 1.0 0.0        | 85.7 -65.1 82.4 105.1 128 | 0.7 1.0 0.0 87.9 -49.1 85.3 98.4 120     | 0.529 1.0 0.0 86.0 -62.9 82.9 104.1 127  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 131.8             | 127.5             | 136.0             | 0.375 1.0 0.0      | 84.7 -72.8 81.2 109.1 131.8 | 0.383 1.0 0.0      | 84.8 -72.2 81.4 108.9 131 | 0.536 1.0 0.0 86.1 -62.4 83.0 103.9 127  | 0.132 1.0 0.0 83.8 -81.2 80.1 114.1 135  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 134.1             | 135.0             | 144.7             | 0.25 1.0 0.0       | 84.1 -78.2 80.5 112.2 134.1 | 0.25 1.0 0.0       | 84.1 -78.2 80.5 112.3 134 | 0.173 1.0 0.0 83.9 -80.2 80.3 113.5 135  | 0.0 1.0 0.41 84.1 -76.8 54.3 94.1 144    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 135.5             | 142.5             | 153.4             | 0.125 1.0 0.0      | 83.7 -81.4 80.0 114.2 135.5 | 0.133 1.0 0.0      | 83.8 -81.2 80.1 114.1 135 | 0.0 1.0 0.335 83.9 -78.7 61.6 100.0 142  | 0.0 1.0 0.573 84.6 -70.9 36.3 79.8 152   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 136.0             | 150.0             | 162.2             | 0.0 1.0 0.0        | 83.6 -82.7 79.8 115.0 136.0 | 0.0 1.0 0.0        | 83.6 -82.7 79.9 115.0 136 | 0.0 1.0 0.523 84.4 -72.9 42.1 84.3 150   | 0.0 1.0 0.706 85.2 -64.6 20.7 67.9 162   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 137.0             | 157.5             | 169.0             | 0.0 1.0 0.125 83.6 | -82.1 76.6 112.3 137.0      | 0.0 1.0 0.117 83.7 | -82.1 76.8 112.5 136      | 0.0 1.0 0.639 84.9 -67.8 28.8 73.8 157   | 0.0 1.0 0.778 85.5 -60.6 12.2 61.9 168   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 139.3             | 165.0             | 175.9             | 0.0 1.0 0.25 83.8  | -80.5 69.1 106.1 139.3      | 0.0 1.0 0.25 83.8  | -80.5 69.1 106.2 139      | 0.0 1.0 0.742 85.3 -62.5 16.8 64.8 165   | 0.0 1.0 0.847 85.9 -56.4 4.0 56.7 175    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 143.2             | 172.5             | 182.7             | 0.0 1.0 0.375 84.0 | -77.8 58.1 97.1 143.2       | 0.0 1.0 0.367 84.0 | -77.9 58.9 97.7 142       | 0.0 1.0 0.81 85.7 -58.8 8.3 59.5 172     | 0.0 1.0 0.9 86.2 -53.2 -2.0 53.3 182     | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 148.6             | 180.0             | 189.6             | 0.0 1.0 0.5 84.3   | -73.7 44.9 86.4 148.6       | 0.0 1.0 0.5 84.3   | -73.7 45.0 86.4 148       | 0.0 1.0 0.883 86.1 -54.1 0.0 54.2 180    | 0.0 1.0 0.952 86.6 -49.8 -8.3 50.6 189   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 155.8             | 187.5             | 196.4             | 0.0 1.0 0.625 84.7 | -68.5 30.6 75.0 155.8       | 0.0 1.0 0.617 84.8 | -68.8 31.5 75.8 155       | 0.0 1.0 0.933 86.4 -51.1 -6.2 51.6 187   | 0.0 1.0 0.997 86.9 -46.3 -13.2 48.3 195  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 165.6             | 195.0             | 203.2             | 0.0 1.0 0.75 85.3  | -62.0 15.9 64.0 165.6       | 0.0 1.0 0.75 85.4  | -62.0 15.9 64.1 165       | 0.0 1.0 0.99 86.8 -46.9 -12.5 48.6 195   | 0.0 0.963 1.0 84.3 -42.5 -18.2 46.4 203  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 178.8             | 202.5             | 210.1             | 0.0 1.0 0.875 86.0 | -54.5 1.0 54.5 178.8        | 0.0 1.0 0.867 86.0 | -55.1 2.0 55.2 177        | 0.0 0.97 1.0 84.7 -43.2 -17.4 46.7 202   | 0.0 0.929 1.0 81.8 -38.8 -22.1 44.7 209  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 196.3             | 210.0             | 216.9             | 0.0 1.0 1.0 86.8   | -46.1 -13.5 48.1 196.3      | 0.0 1.0 1.0 86.9   | -46.1 -13.5 48.1 196      | 0.0 0.927 1.0 81.7 -38.6 -22.2 44.7 210  | 0.0 0.89 1.0 79.1 -34.2 -25.7 42.9 216   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 219.8             | 217.5             | 223.8             | 0.0 0.875 1.0 77.9 | -32.3 -27.0 42.1 219.8      | 0.0 0.883 1.0 78.6 | -33.3 -26.3 42.6 218      | 0.0 0.89 1.0 79.1 -34.1 -25.7 42.9 217   | 0.0 0.859 1.0 76.9 -30.7 -29.0 42.4 223  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 247.2             | 225.0             | 230.6             | 0.0 0.75 1.0 69.1  | -17.0 -40.7 44.1 247.2      | 0.0 0.75 1.0 69.1  | -17.0 -40.6 44.2 247      | 0.0 0.851 1.0 76.3 -30.0 -30.0 42.5 225  | 0.0 0.826 1.0 74.5 -27.1 -33.1 43.0 230  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 269.8             | 232.5             | 237.5             | 0.0 0.625 1.0 60.3 | -0.1 -54.6 54.6 269.8       | 0.0 0.633 1.0 60.9 | -1.5 -53.8 53.9 268       | 0.0 0.82 1.0 74.1 -26.4 -33.8 43.1 232   | 0.0 0.797 1.0 72.4 -23.5 -36.3 43.4 237  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 285.0             | 240.0             | 244.3             | 0.0 0.5 1.0 51.7   | 18.3 -68.3 70.7 285.0       | 0.0 0.5 1.0 51.8   | 18.3 -68.2 70.7 285       | 0.0 0.783 1.0 71.5 -21.7 -37.7 43.6 240  | 0.0 0.763 1.0 70.1 -18.9 -39.5 44.0 244  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 294.8             | 247.5             | 251.2             | 0.0 0.375 1.0 43.8 | 37.6 -81.2 89.5 294.8       | 0.0 0.383 1.0 44.4 | 36.2 -80.4 88.3 294       | 0.0 0.751 1.0 69.2 -17.2 -40.6 44.2 247  | 0.0 0.731 1.0 67.8 -15.0 -43.1 45.8 250  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 301.1             | 255.0             | 258.0             | 0.0 0.25 1.0 37.1  | 55.9 -92.3 107.9 301.1      | 0.0 0.25 1.0 37.2  | 55.9 -92.2 107.9 301      | 0.0 0.707 1.0 66.1 -12.3 -46.0 47.8 255  | 0.0 0.69 1.0 64.9 -10.1 -48.0 49.2 258   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 304.8             | 262.5             | 264.8             | 0.0 0.125 1.0 32.4 | 69.5 -100.0 121.8 304.8     | 0.0 0.133 1.0 32.8 | 68.6 -99.5 121.0 304      | 0.0 0.668 1.0 63.4 -7.0 -50.4 51.0 262   | 0.0 0.655 1.0 62.4 -5.0 -51.8 52.1 264   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 306.2             | 270.0             | 271.7             | 0.0 0.0 1.0 30.3   | 76.0 -103.5 128.5 306.2     | 0.0 0.0 1.0 30.4   | 76.1 -103.5 128.5 306     | 0.0 0.624 1.0 60.2 0.0 -54.7 54.8 270    | 0.0 0.609 1.0 59.3 1.7 -56.5 56.6 271    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 306.6             | 277.5             | 278.8             | 0.125 0.0 1.0 31.0 | 76.2 -102.4 127.7 306.6     | 0.117 0.0 1.0 31.0 | 76.3 -102.5 127.8 306     | 0.0 0.566 1.0 56.3 7.6 -61.7 62.2 277    | 0.0 0.555 1.0 55.5 9.3 -62.9 63.7 278    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 307.5             | 285.0             | 285.9             | 0.25 0.0 1.0 32.6  | 76.8 -99.8 125.9 307.5      | 0.25 0.0 1.0 32.6  | 76.8 -99.7 126.0 307      | 0.0 0.5 1.0 51.8 18.3 -68.2 70.7 285     | 0.0 0.488 1.0 51.0 19.9 -69.6 72.5 285   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 309.2             | 292.5             | 293.0             | 0.375 0.0 1.0 35.1 | 77.9 -95.5 123.3 309.2      | 0.367 0.0 1.0 35.0 | 77.9 -95.7 123.5 309      | 0.0 0.412 1.0 46.2 31.5 -77.8 84.1 292   | 0.0 0.404 1.0 45.7 32.7 -78.5 85.2 292   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 311.6             | 300.0             | 300.1             | 0.5 0.0 1.0 38.5   | 79.8 -89.7 120.0 311.6      | 0.5 0.0 1.0 38.6   | 79.9 -89.6 120.1 311      | 0.0 0.274 1.0 38.4 52.2 -90.4 104.5 300  | 0.0 0.27 1.0 38.2 52.8 -90.6 105.0 300   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 314.8             | 307.5             | 307.2             | 0.625 0.0 1.0 42.7 | 82.5 -82.7 116.8 314.8      | 0.617 0.0 1.0 42.4 | 82.3 -83.2 117.1 314      | 0.172 0.0 1.0 31.6 76.5 -101.4 127.1 307 | 0.146 0.0 1.0 31.3 76.4 -102.0 127.5 306 | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 318.8             | 315.0             | 314.3             | 0.75 0.0 1.0 47.2  | 85.8 -75.1 114.0 318.8      | 0.75 0.0 1.0 47.3  | 85.9 -75.0 114.1 318      | 0.628 0.0 1.0 42.8 82.6 -82.5 116.8 315  | 0.605 0.0 1.0 42.1 82.1 -83.8 117.4 314  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 323.3             | 322.5             | 321.4             | 0.875 0.0 1.0 52.1 | 89.8 -66.9 112.0 323.3      | 0.867 0.0 1.0 51.9 | 89.6 -67.4 112.2 323      | 0.838 0.0 1.0 50.7 88.8 -69.3 112.7 322  | 0.811 0.0 1.0 49.7 87.9 -71.0 113.1 321  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 328.2             | 330.0             | 328.6             | 1.0 0.0 1.0 57.2   | 94.3 -58.4 110.9 328.2      | 1.0 0.0 1.0 57.3   | 94.4 -58.3 111.0 328      | 1.0 0.0 0.962 56.8 93.4 -53.8 107.8 330  | 1.0 0.0 0.992 57.2 94.2 -57.4 110.3 328  | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 334.0             | 337.5             | 335.7             | 1.0 0.0 0.875 55.6 | 90.3 -43.9 100.4 334.0      | 1.0 0.0 0.883 55.8 | 90.7 -44.8 101.1 333      | 1.0 0.0 0.827 55.1 89.2 -37.8 96.9 337   | 1.0 0.0 0.856 55.4 89.9 -41.4 99.0 335   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 341.6             | 345.0             | 342.8             | 1.0 0.0 0.75 54.2  | 86.7 -28.6 91.3 341.6       | 1.0 0.0 0.75 54.2  | 86.7 -28.6 91.4 341       | 1.0 0.0 0.707 53.8 86.0 -23.0 89.1 345   | 1.0 0.0 0.735 54.1 86.5 -26.6 90.6 342   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 351.4             | 352.5             | 349.9             | 1.0 0.0 0.625 53.0 | 83.6 -12.6 84.6 351.4       | 1.0 0.0 0.633 53.1 | 84.0 -13.6 85.1 350       | 1.0 0.0 0.619 53.0 83.6 -11.7 84.4 352   | 1.0 0.0 0.65 53.3 84.5 -15.6 86.0 349    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 362.9             | 360.0             | 357.0             | 1.0 0.0 0.5 52.0   | 81.1 4.1 81.2 362.9         | 1.0 0.0 0.5 52.1   | 81.2 4.2 81.3 362         | 1.0 0.0 0.532 52.3 82.1 0.0 82.1 360     | 1.0 0.0 0.618 53.0 83.6 -11.6 84.4 352   | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 375.2             | 367.5             | 364.1             | 1.0 0.0 0.375 51.3 | 79.2 21.6 82.1 375.2        | 1.0 0.0 0.383 51.4 | 79.5 20.5 82.1 374        | 1.0 0.0 0.459 51.8 81.0 9.9 81.6 367     | 1.0 0.0 0.533 52.3 82.2 -0.1 82.2 359    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 386.7             | 375.0             | 371.2             | 1.0 0.0 0.25 50.8  | 77.9 39.2 87.1 386.7        | 1.0 0.0 0.25 50.9  | 78.0 39.2 87.3 386        | 1.0 0.0 0.378 51.4 79.4 21.3 82.2 375    | 1.0 0.0 0.441 51.7 80.7 12.5 81.7 368    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 395.4             | 382.5             | 378.3             | 1.0 0.0 0.125 50.6 | 77.2 54.9 94.8 395.4        | 1.0 0.0 0.133 50.6 | 77.4 53.9 94.3 394        | 1.0 0.0 0.301 51.1 79.0 31.9 85.2 382    | 1.0 0.0 0.361 51.3 79.3 23.6 82.8 376    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |
| 400.0             | 390.0             | 385.4             | 1.0 0.0 0.0 50.4   | 76.9 64.5 100.4 400.0       | 1.0 0.0 0.0 50.5   | 76.9 64.6 100.4 400       | 1.0 0.0 0.203 50.8 78.0 45.1 90.1 390    | 1.0 0.0 0.263 50.9 78.3 37.3 86.7 385    | <div><div></div><div></div><div></div></div> |                 |               |                 |                 |

4-113330-L0

SI120-73

LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

uscita: sRGB standard device; no separation, D65, pagina 4/29

grafico TUB-SI12; 1080 colori standard  
cerchio delle tinte a 48 passi;  $rgb-LabCh$ \*tavole, 3D=1, de=1,  $rgb$ - $LabCh$ - $3D$ -linearizzazione a  $rgb$ \* $de$

immettere:  $rgb/cmyk \rightarrow rgb_{de}$

3D-linearizzazione a  $rgb$ \* $de$

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ |       |       | $LAB^*_{dd64M} (x=LabCh)$ |       |        |       |       |       | $rgb^*_{dex361M}$ |       |       | $LAB^*_{dex361M}$ |       |        |       |     |  | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|-----------------|-------|-------|---------------------------|-------|--------|-------|-------|-------|-------------------|-------|-------|-------------------|-------|--------|-------|-----|--|--------------|--------------|--------------|
| 40.0       | 30.0       | 25.4       | 1.0             | 0.0   | 0.0   | 50.4                      | 76.9  | 64.5   | 100.4 | 40.0  | 40.0  | 1.0               | 0.0   | 0.263 | 50.9              | 78.3  | 37.3   | 86.7  | 25  |  |              |              |              |
| 41.3       | 37.5       | 33.8       | 1.0             | 0.125 | 0.0   | 51.5                      | 73.9  | 64.9   | 98.3  | 41.3  | 41.3  | 1.0               | 0.0   | 0.156 | 50.7              | 77.7  | 51.0   | 92.9  | 33  |  |              |              |              |
| 44.6       | 45.0       | 42.1       | 1.0             | 0.25  | 0.0   | 54.0                      | 66.7  | 65.9   | 93.8  | 44.6  | 44.6  | 1.0               | 0.157 | 0.0   | 52.2              | 72.0  | 65.3   | 97.2  | 42  |  |              |              |              |
| 50.7       | 52.5       | 50.5       | 1.0             | 0.375 | 0.0   | 58.2                      | 55.4  | 67.9   | 87.7  | 50.7  | 50.7  | 1.0               | 0.358 | 0.0   | 57.7              | 56.9  | 67.8   | 88.6  | 49  |  |              |              |              |
| 59.7       | 60.0       | 58.8       | 1.0             | 0.5   | 0.0   | 63.6                      | 41.3  | 71.0   | 82.2  | 59.7  | 59.7  | 1.0               | 0.488 | 0.0   | 63.1              | 42.8  | 70.9   | 82.8  | 58  |  |              |              |              |
| 71.0       | 67.5       | 67.2       | 1.0             | 0.625 | 0.0   | 70.1                      | 25.7  | 75.0   | 79.3  | 71.0  | 71.0  | 1.0               | 0.577 | 0.0   | 67.6              | 31.8  | 73.9   | 80.5  | 66  |  |              |              |              |
| 82.9       | 75.0       | 75.6       | 1.0             | 0.75  | 0.0   | 77.2                      | 9.8   | 79.7   | 80.4  | 82.9  | 82.9  | 1.0               | 0.673 | 0.0   | 72.8              | 19.8  | 77.3   | 79.8  | 75  |  |              |              |              |
| 93.8       | 82.5       | 83.9       | 1.0             | 0.875 | 0.0   | 84.8                      | -5.7  | 85.0   | 85.2  | 93.8  | 93.8  | 1.0               | 0.755 | 0.0   | 77.5              | 9.3   | 80.1   | 80.6  | 83  |  |              |              |              |
| 102.8      | 90.0       | 92.3       | 1.0             | 1.0   | 0.0   | 92.6                      | -20.7 | 90.7   | 93.0  | 102.8 | 102.8 | 1.0               | 0.857 | 0.0   | 83.7              | -3.3  | 84.5   | 84.6  | 92  |  |              |              |              |
| 110.5      | 97.5       | 101.0      | 0.875           | 1.0   | 0.0   | 90.4                      | -33.1 | 88.1   | 94.1  | 110.5 | 110.5 | 1.0               | 0.967 | 0.0   | 90.6              | -16.4 | 89.5   | 91.0  | 100 |  |              |              |              |
| 117.6      | 105.0      | 109.7      | 0.75            | 1.0   | 0.0   | 88.5                      | -44.9 | 85.8   | 96.8  | 117.6 | 117.6 | 0.888             | 1.0   | 0.0   | 90.7              | -31.7 | 88.5   | 94.0  | 109 |  |              |              |              |
| 123.6      | 112.5      | 118.5      | 0.625           | 1.0   | 0.0   | 86.9                      | -55.8 | 83.9   | 100.7 | 123.6 | 123.6 | 0.743             | 1.0   | 0.0   | 88.5              | -45.4 | 85.8   | 97.1  | 117 |  |              |              |              |
| 128.3      | 120.0      | 127.2      | 0.5             | 1.0   | 0.0   | 85.7                      | -65.2 | 82.4   | 105.1 | 128.3 | 128.3 | 0.529             | 1.0   | 0.0   | 86.0              | -62.9 | 82.9   | 104.1 | 127 |  |              |              |              |
| 131.8      | 127.5      | 136.0      | 0.375           | 1.0   | 0.0   | 84.7                      | -72.8 | 81.2   | 109.1 | 131.8 | 131.8 | 0.132             | 1.0   | 0.0   | 83.8              | -81.2 | 80.1   | 114.1 | 135 |  |              |              |              |
| 134.1      | 135.0      | 144.7      | 0.25            | 1.0   | 0.0   | 84.1                      | -78.2 | 80.5   | 112.2 | 134.1 | 134.1 | 0.0               | 1.0   | 0.41  | 84.1              | -76.8 | 54.3   | 94.1  | 144 |  |              |              |              |
| 135.5      | 142.5      | 153.4      | 0.125           | 1.0   | 0.0   | 83.7                      | -81.4 | 80.0   | 114.2 | 135.5 | 135.5 | 0.0               | 1.0   | 0.573 | 84.6              | -70.9 | 36.3   | 79.8  | 152 |  |              |              |              |
| 136.0      | 150.0      | 162.2      | 0.0             | 1.0   | 0.0   | 83.6                      | -82.7 | 79.8   | 115.0 | 136.0 | 136.0 | 0.0               | 1.0   | 0.706 | 85.2              | -64.6 | 20.7   | 67.9  | 162 |  |              |              |              |
| 137.0      | 157.5      | 169.0      | 0.0             | 1.0   | 0.125 | 83.6                      | -82.1 | 76.6   | 112.3 | 137.0 | 137.0 | 0.0               | 1.0   | 0.778 | 85.5              | -60.6 | 12.2   | 61.9  | 168 |  |              |              |              |
| 139.3      | 165.0      | 175.9      | 0.0             | 1.0   | 0.25  | 83.8                      | -80.5 | 69.1   | 106.1 | 139.3 | 139.3 | 0.0               | 1.0   | 0.847 | 85.9              | -56.4 | 4.0    | 56.7  | 175 |  |              |              |              |
| 143.2      | 172.5      | 182.7      | 0.0             | 1.0   | 0.375 | 84.0                      | -77.8 | 58.1   | 97.1  | 143.2 | 143.2 | 0.0               | 1.0   | 0.9   | 86.2              | -53.2 | -2.0   | 53.3  | 182 |  |              |              |              |
| 148.6      | 180.0      | 189.6      | 0.0             | 1.0   | 0.5   | 84.3                      | -73.7 | 44.9   | 86.4  | 148.6 | 148.6 | 0.0               | 1.0   | 0.952 | 86.6              | -49.8 | -8.3   | 50.6  | 189 |  |              |              |              |
| 155.8      | 187.5      | 196.4      | 0.0             | 1.0   | 0.625 | 84.7                      | -68.5 | 30.6   | 75.0  | 155.8 | 155.8 | 0.0               | 1.0   | 0.997 | 86.9              | -46.3 | -13.2  | 48.3  | 195 |  |              |              |              |
| 165.6      | 195.0      | 203.2      | 0.0             | 1.0   | 0.75  | 85.3                      | -62.0 | 15.9   | 64.0  | 165.6 | 165.6 | 0.0               | 0.963 | 1.0   | 84.3              | -42.5 | -18.2  | 46.4  | 203 |  |              |              |              |
| 178.8      | 202.5      | 210.1      | 0.0             | 1.0   | 0.875 | 86.0                      | -54.5 | 1.0    | 54.5  | 178.8 | 178.8 | 0.0               | 0.929 | 1.0   | 81.8              | -38.8 | -22.1  | 44.7  | 209 |  |              |              |              |
| 196.3      | 210.0      | 216.9      | 0.0             | 1.0   | 1.0   | 86.8                      | -46.1 | -13.5  | 48.1  | 196.3 | 196.3 | 0.0               | 0.89  | 1.0   | 79.1              | -34.2 | -25.7  | 42.9  | 216 |  |              |              |              |
| 219.8      | 217.5      | 223.8      | 0.0             | 0.875 | 1.0   | 77.9                      | -32.3 | -27.0  | 42.1  | 219.8 | 219.8 | 0.0               | 0.859 | 1.0   | 76.9              | -30.7 | -29.0  | 42.4  | 223 |  |              |              |              |
| 247.2      | 225.0      | 230.6      | 0.0             | 0.75  | 1.0   | 69.1                      | -17.0 | -40.7  | 44.1  | 247.2 | 247.2 | 0.0               | 0.826 | 1.0   | 74.5              | -27.1 | -33.1  | 43.0  | 230 |  |              |              |              |
| 269.8      | 232.5      | 237.5      | 0.0             | 0.625 | 1.0   | 60.3                      | -0.1  | -54.6  | 54.6  | 269.8 | 269.8 | 0.0               | 0.797 | 1.0   | 72.4              | -23.5 | -36.3  | 43.4  | 237 |  |              |              |              |
| 285.0      | 240.0      | 244.3      | 0.0             | 0.5   | 1.0   | 51.7                      | 18.3  | -68.3  | 70.7  | 285.0 | 285.0 | 0.0               | 0.763 | 1.0   | 70.1              | -18.9 | -39.5  | 44.0  | 244 |  |              |              |              |
| 294.8      | 247.5      | 251.2      | 0.0             | 0.375 | 1.0   | 43.8                      | 37.6  | -81.2  | 89.5  | 294.8 | 294.8 | 0.0               | 0.731 | 1.0   | 67.8              | -15.0 | -43.1  | 45.8  | 250 |  |              |              |              |
| 301.1      | 255.0      | 258.0      | 0.0             | 0.25  | 1.0   | 37.1                      | 55.9  | -92.3  | 107.9 | 301.1 | 301.1 | 0.0               | 0.69  | 1.0   | 64.9              | -10.1 | -48.0  | 49.2  | 258 |  |              |              |              |
| 304.8      | 262.5      | 264.8      | 0.0             | 0.125 | 1.0   | 32.4                      | 69.5  | -100.0 | 121.8 | 304.8 | 304.8 | 0.0               | 0.655 | 1.0   | 62.4              | -5.0  | -51.8  | 52.1  | 264 |  |              |              |              |
| 306.2      | 270.0      | 271.7      | 0.0             | 0.0   | 1.0   | 30.3                      | 76.0  | -103.5 | 128.5 | 306.2 | 306.2 | 0.0               | 0.609 | 1.0   | 59.3              | 1.7   | -56.5  | 56.6  | 271 |  |              |              |              |
| 306.6      | 277.5      | 278.8      | 0.125           | 0.0   | 1.0   | 31.0                      | 76.2  | -102.4 | 127.7 | 306.6 | 306.6 | 0.0               | 0.555 | 1.0   | 55.5              | 9.3   | -62.9  | 63.7  | 278 |  |              |              |              |
| 307.5      | 285.0      | 285.9      | 0.25            | 0.0   | 1.0   | 32.6                      | 76.8  | -99.8  | 125.9 | 307.5 | 307.5 | 0.0               | 0.488 | 1.0   | 51.0              | 19.9  | -69.6  | 72.5  | 285 |  |              |              |              |
| 309.2      | 292.5      | 293.0      | 0.375           | 0.0   | 1.0   | 35.1                      | 77.9  | -95.5  | 123.3 | 309.2 | 309.2 | 0.0               | 0.404 | 1.0   | 45.7              | 32.7  | -78.5  | 85.2  | 292 |  |              |              |              |
| 311.6      | 300.0      | 300.1      | 0.5             | 0.0   | 1.0   | 38.5                      | 79.8  | -89.7  | 120.0 | 311.6 | 311.6 | 0.0               | 0.27  | 1.0   | 38.2              | 52.8  | -90.6  | 105.0 | 300 |  |              |              |              |
| 314.8      | 307.5      | 307.2      | 0.625           | 0.0   | 1.0   | 42.7                      | 82.5  | -82.7  | 116.8 | 314.8 | 314.8 | 0.0               | 0.146 | 0.0   | 31.3              | 76.4  | -102.0 | 127.5 | 306 |  |              |              |              |
| 318.8      | 315.0      | 314.3      | 0.75            | 0.0   | 1.0   | 47.2                      | 85.8  | -75.1  | 114.0 | 318.8 | 318.8 | 0.0               | 0.605 | 0.0   | 42.1              | 82.1  | -83.8  | 117.4 | 314 |  |              |              |              |
| 323.3      | 322.5      | 321.4      | 0.875           | 0.0   | 1.0   | 52.1                      | 89.8  | -66.9  | 112.0 | 323.3 | 323.3 | 0.0               | 0.811 | 0.0   | 49.7              | 87.9  | -71.0  | 113.1 | 321 |  |              |              |              |
| 328.2      | 330.0      | 328.6      | 1.0             | 0.0   | 1.0   | 57.2                      | 94.3  | -58.4  | 110.9 | 328.2 | 328.2 | 1.0               | 0.0   | 0.992 | 57.2              | 94.2  | -57.4  | 110.3 | 328 |  |              |              |              |
| 334.0      | 337.5      | 335.7      | 1.0             | 0.0   | 0.875 | 55.6                      | 90.3  | -43.9  | 100.4 | 334.0 | 334.0 | 1.0               | 0.0   | 0.856 | 55.4              | 89.9  | -41.4  | 99.0  | 335 |  |              |              |              |
| 341.6      | 345.0      | 342.8      | 1.0             | 0.0   | 0.75  | 54.2                      | 86.7  | -28.6  | 91.3  | 341.6 | 341.6 | 1.0               | 0.0   | 0.735 | 54.1              | 86.5  | -26.6  | 90.6  | 342 |  |              |              |              |
| 351.4      | 352.5      | 349.9      | 1.0             | 0.0   | 0.625 | 53.0                      | 83.6  | -12.6  | 84.6  | 351.4 | 351.4 | 1.0               | 0.0   | 0.65  | 53.3              | 84.5  | -15.6  | 86.0  | 349 |  |              |              |              |
| 362.9      | 360.0      | 357.0      | 1.0             | 0.0   | 0.5   | 52.0                      | 81.1  | 4.1    | 81.2  | 362.9 | 362.9 | 1.0               | 0.0   | 0.618 | 53.0              | 83.6  | -11.6  | 84.4  | 352 |  |              |              |              |
| 375.2      | 367.5      | 364.1      | 1.0             | 0.0   | 0.375 | 51.3                      | 79.2  | 21.6   | 82.1  | 375.2 | 375.2 | 1.0               | 0.0   | 0.533 | 52.3              | 82.2  | -0.1   | 82.2  | 359 |  |              |              |              |
| 386.7      | 375.0      | 371.2      | 1.0             | 0.0   | 0.25  | 50.8                      | 77.9  | 39.2   | 87.2  | 386.7 | 386.7 | 1.0               | 0.0   | 0.441 | 51.7              | 80.7  | 12.5   | 81.7  | 368 |  |              |              |              |
| 395.4      | 382.5      | 378.3      | 1.0             | 0.0   | 0.125 | 50.6                      | 77.2  | 54.9   | 94.8  | 395.4 | 395.4 | 1.0               | 0.0   | 0.361 | 51.3              | 79.3  | 23.6   | 82.8  | 376 |  |              |              |              |
| 400.0      | 390.0      | 385.4      | 1.0             | 0.0   | 0.0   | 50.4                      | 76.9  | 64.5   | 100.4 | 400.0 | 400.0 | 1.0               | 0.0   | 0.263 | 50.9              | 78.3  | 37.3   | 86.7  | 385 |  |              |              |              |

4-113430-L0

SI120-73

LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

uscita: sRGB standard device; no separation, D65, pagina 5/29

grafico TUB-SI12; 1080 colori standard  
cerchio delle tinte a 48 passi;  $rgb-LabCh^*_{tavole}$ , 3D=1, de=1,  $rgb^*_{de}$

immettere:  $rgb/cmyk \rightarrow rgb^*_{de}$   
3D-linearizzazzione a  $rgb^*_{de}$

4-113430-F0

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361Mi} (x=LabCh)$ | $R_d$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi} (x=LabCh)$ | $R_s$ | $rgb^*_{dd361Mi}$ | $LAB^*_{de361Mi}$ | $R_e$ | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|------------------|-----------------------------|-------|-------------------|-----------------------------|-------|-------------------|-------------------|-------|-------------------|--------------|--------------|--------------|
| 40         | 30         | 25         | 1.0              | 0.0                         | 0.0   | 50.4              | 76.9                        | 64.5  | 100.4             | 40                | 1.0   | 0.0               | 0.0          | 0.0          | 0.0          |
| 40         | 31         | 26         | 1.0              | 0.016                       | 0.0   | 50.6              | 76.5                        | 64.6  | 100.1             | 40                | 1.0   | 0.0               | 0.017        | 0.0          | 0.0          |
| 40         | 32         | 27         | 1.0              | 0.033                       | 0.0   | 50.7              | 76.1                        | 64.6  | 99.8              | 40                | 1.0   | 0.0               | 0.033        | 0.0          | 0.0          |
| 40         | 33         | 28         | 1.0              | 0.05                        | 0.0   | 50.9              | 75.7                        | 64.7  | 99.6              | 40                | 1.0   | 0.0               | 0.05         | 0.0          | 0.0          |
| 40         | 34         | 29         | 1.0              | 0.066                       | 0.0   | 51.0              | 75.3                        | 64.7  | 99.3              | 40                | 1.0   | 0.0               | 0.067        | 0.0          | 0.0          |
| 40         | 35         | 31         | 1.0              | 0.083                       | 0.0   | 51.1              | 74.9                        | 64.8  | 99.0              | 40                | 1.0   | 0.0               | 0.083        | 0.0          | 0.0          |
| 41         | 36         | 32         | 1.0              | 0.1                         | 0.0   | 51.3              | 74.5                        | 64.8  | 98.7              | 41                | 1.0   | 0.0               | 0.1          | 0.0          | 0.0          |
| 41         | 37         | 33         | 1.0              | 0.116                       | 0.0   | 51.4              | 74.1                        | 64.9  | 98.5              | 41                | 1.0   | 0.0               | 0.117        | 0.0          | 0.0          |
| 41         | 38         | 34         | 1.0              | 0.133                       | 0.0   | 51.7              | 73.4                        | 65.0  | 98.0              | 41                | 1.0   | 0.0               | 0.133        | 0.0          | 0.0          |
| 41         | 39         | 35         | 1.0              | 0.15                        | 0.0   | 52.0              | 72.4                        | 65.2  | 97.4              | 41                | 1.0   | 0.0               | 0.15         | 0.0          | 0.0          |
| 42         | 40         | 36         | 1.0              | 0.166                       | 0.0   | 52.3              | 71.4                        | 65.3  | 96.8              | 42                | 1.0   | 0.0               | 0.167        | 0.0          | 0.0          |
| 42         | 41         | 37         | 1.0              | 0.183                       | 0.0   | 52.7              | 70.5                        | 65.5  | 96.2              | 42                | 1.0   | 0.0               | 0.183        | 0.0          | 0.0          |
| 43         | 42         | 38         | 1.0              | 0.2                         | 0.0   | 53.0              | 69.5                        | 65.6  | 95.6              | 43                | 1.0   | 0.0               | 0.2          | 0.0          | 0.0          |
| 43         | 43         | 39         | 1.0              | 0.216                       | 0.0   | 53.4              | 68.6                        | 65.7  | 95.0              | 43                | 1.0   | 0.0               | 0.217        | 0.0          | 0.0          |
| 44         | 44         | 41         | 1.0              | 0.233                       | 0.0   | 53.7              | 67.6                        | 65.8  | 94.4              | 44                | 1.0   | 0.0               | 0.233        | 0.0          | 0.0          |
| 44         | 45         | 42         | 1.0              | 0.25                        | 0.0   | 54.0              | 66.7                        | 65.9  | 93.8              | 44                | 1.0   | 0.0               | 0.25         | 0.0          | 0.0          |
| 45         | 46         | 43         | 1.0              | 0.266                       | 0.0   | 54.6              | 65.1                        | 66.3  | 93.0              | 45                | 1.0   | 0.0               | 0.267        | 0.0          | 0.0          |
| 46         | 47         | 44         | 1.0              | 0.283                       | 0.0   | 55.1              | 63.6                        | 66.6  | 92.2              | 46                | 1.0   | 0.0               | 0.283        | 0.0          | 0.0          |
| 47         | 48         | 45         | 1.0              | 0.3                         | 0.0   | 55.7              | 62.1                        | 66.9  | 91.3              | 47                | 1.0   | 0.0               | 0.3          | 0.0          | 0.0          |
| 47         | 49         | 46         | 1.0              | 0.316                       | 0.0   | 56.2              | 60.6                        | 67.2  | 90.5              | 47                | 1.0   | 0.0               | 0.317        | 0.0          | 0.0          |
| 48         | 50         | 47         | 1.0              | 0.333                       | 0.0   | 56.8              | 59.1                        | 67.5  | 89.7              | 48                | 1.0   | 0.0               | 0.333        | 0.0          | 0.0          |
| 49         | 51         | 48         | 1.0              | 0.35                        | 0.0   | 57.3              | 57.6                        | 67.7  | 88.9              | 49                | 1.0   | 0.0               | 0.35         | 0.0          | 0.0          |
| 50         | 52         | 49         | 1.0              | 0.366                       | 0.0   | 57.9              | 56.2                        | 67.9  | 88.1              | 50                | 1.0   | 0.0               | 0.367        | 0.0          | 0.0          |
| 51         | 53         | 51         | 1.0              | 0.383                       | 0.0   | 58.5              | 54.5                        | 68.2  | 87.3              | 51                | 1.0   | 0.0               | 0.383        | 0.0          | 0.0          |
| 52         | 54         | 52         | 1.0              | 0.4                         | 0.0   | 59.3              | 52.6                        | 68.8  | 86.6              | 52                | 1.0   | 0.0               | 0.4          | 0.0          | 0.0          |
| 53         | 55         | 53         | 1.0              | 0.416                       | 0.0   | 60.0              | 50.7                        | 69.3  | 85.9              | 53                | 1.0   | 0.0               | 0.417        | 0.0          | 0.0          |
| 54         | 56         | 54         | 1.0              | 0.433                       | 0.0   | 60.7              | 48.8                        | 69.7  | 85.1              | 54                | 1.0   | 0.0               | 0.433        | 0.0          | 0.0          |
| 56         | 57         | 55         | 1.0              | 0.45                        | 0.0   | 61.4              | 46.9                        | 70.1  | 84.4              | 56                | 1.0   | 0.0               | 0.45         | 0.0          | 0.0          |
| 57         | 58         | 56         | 1.0              | 0.466                       | 0.0   | 62.2              | 45.1                        | 70.4  | 83.6              | 57                | 1.0   | 0.0               | 0.467        | 0.0          | 0.0          |
| 58         | 59         | 57         | 1.0              | 0.483                       | 0.0   | 62.9              | 43.2                        | 70.7  | 82.9              | 58                | 1.0   | 0.0               | 0.483        | 0.0          | 0.0          |
| 59         | 60         | 58         | 1.0              | 0.5                         | 0.0   | 63.6              | 41.3                        | 71.0  | 82.2              | 59                | 1.0   | 0.0               | 0.5          | 0.0          | 0.0          |
| 61         | 61         | 60         | 1.0              | 0.516                       | 0.0   | 64.5              | 39.3                        | 71.7  | 81.8              | 61                | 1.0   | 0.0               | 0.517        | 0.0          | 0.0          |
| 62         | 62         | 61         | 1.0              | 0.533                       | 0.0   | 65.3              | 37.2                        | 72.4  | 81.4              | 62                | 1.0   | 0.0               | 0.533        | 0.0          | 0.0          |
| 64         | 63         | 62         | 1.0              | 0.55                        | 0.0   | 66.2              | 35.1                        | 73.0  | 81.0              | 64                | 1.0   | 0.0               | 0.55         | 0.0          | 0.0          |
| 65         | 64         | 63         | 1.0              | 0.566                       | 0.0   | 67.1              | 33.0                        | 73.5  | 80.6              | 65                | 1.0   | 0.0               | 0.567        | 0.0          | 0.0          |
| 67         | 65         | 64         | 1.0              | 0.583                       | 0.0   | 67.9              | 31.0                        | 74.0  | 80.3              | 67                | 1.0   | 0.0               | 0.583        | 0.0          | 0.0          |
| 68         | 66         | 65         | 1.0              | 0.6                         | 0.0   | 68.8              | 28.9                        | 74.5  | 79.9              | 68                | 1.0   | 0.0               | 0.6          | 0.0          | 0.0          |
| 70         | 67         | 66         | 1.0              | 0.616                       | 0.0   | 69.6              | 26.8                        | 74.8  | 79.5              | 70                | 1.0   | 0.0               | 0.617        | 0.0          | 0.0          |
| 71         | 68         | 67         | 1.0              | 0.633                       | 0.0   | 70.5              | 24.7                        | 75.4  | 79.4              | 71                | 1.0   | 0.0               | 0.633        | 0.0          | 0.0          |
| 73         | 69         | 68         | 1.0              | 0.65                        | 0.0   | 71.5              | 22.7                        | 76.2  | 79.5              | 73                | 1.0   | 0.0               | 0.65         | 0.0          | 0.0          |
| 75         | 70         | 70         | 1.0              | 0.666                       | 0.0   | 72.4              | 20.6                        | 76.9  | 79.7              | 75                | 1.0   | 0.0               | 0.667        | 0.0          | 0.0          |
| 76         | 71         | 71         | 1.0              | 0.683                       | 0.0   | 73.4              | 18.5                        | 77.6  | 79.8              | 76                | 1.0   | 0.0               | 0.683        | 0.0          | 0.0          |
| 78         | 72         | 72         | 1.0              | 0.7                         | 0.0   | 74.3              | 16.3                        | 78.2  | 79.9              | 78                | 1.0   | 0.0               | 0.7          | 0.0          | 0.0          |
| 79         | 73         | 73         | 1.0              | 0.716                       | 0.0   | 75.3              | 14.2                        | 78.8  | 80.1              | 79                | 1.0   | 0.0               | 0.717        | 0.0          | 0.0          |
| 81         | 74         | 74         | 1.0              | 0.733                       | 0.0   | 76.2              | 12.0                        | 79.3  | 80.2              | 81                | 1.0   | 0.0               | 0.733        | 0.0          | 0.0          |
| 82         | 75         | 75         | 1.0              | 0.75                        | 0.0   | 77.2              | 9.8                         | 79.7  | 80.4              | 82                | 1.0   | 0.0               | 0.75         | 0.0          | 0.0          |

4-113530-L0

SI120-73

LAB\*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB\*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0

uscita: sRGB standard device; no separation, D65, pagina 6/29

grafico TUB-SI12; 1080 colori standard  
cerchio delle tinte a 48 passi;  $rgb-LabCh^*_{tavole}$ , 3D=1, de=1

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
3D-linearizzazzione a  $rgb^*_{de}$

4-113530-F0

vedere dei file simili: <http://130.149.60.45/~farbmetrik/SI12/SI12.L0FP.PDF> /.PS  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

uscita: sRGB standard device; no separation, D65, pagina 7/29

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
 =  $155RGB$ -linearizzazione a  $rgb^*_{de}$

vedere dei file simili: <http://130.149.60.45/~farbmctrik/S112/S112.HTM>  
informazioni tecniche: <http://www.ps.barn.de> o <http://130.149.60.45/~farbmctrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGCBM$ ;  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ |     |     | $h_{ab,s}$ |     |       | $h_{ab,e}$ |       |      | $rgb^*_{ds}d361Mi$ |     |           |     | $LAB^*_{ds}d361Mi(x=LabCh)$ |      |       |      | $rgb^*_{ds}d361Mi$ |          |       |     | $LAB^*_{ds}d361Mi(x=LabCh)$ |       |     |       | $rgb^*_{de}d361Mi$ |       |      |       | $LAB^*_{de}d361Mi(x=LabCh)$ |       |     |       | $rgb^*_{dd}d361Mi$ |  |  |  | $rgb^*_{ds}d361Mi$ |  |  |  | $rgb^*_{de}d361Mi$ |  |  |  |
|------------|-----|-----|------------|-----|-------|------------|-------|------|--------------------|-----|-----------|-----|-----------------------------|------|-------|------|--------------------|----------|-------|-----|-----------------------------|-------|-----|-------|--------------------|-------|------|-------|-----------------------------|-------|-----|-------|--------------------|--|--|--|--------------------|--|--|--|--------------------|--|--|--|
| 128        | 120 | 127 | 0.5        | 1.0 | 0.0   | 85.7       | -65.2 | 82.4 | 105.1              | 128 | 0.7       | 1.0 | 0.0                         | 87.9 | -49.1 | 85.3 | 98.4               | 120      | 0.5   | 1.0 | 0.0                         | 0.529 | 1.0 | 0.0   | 86.0               | -62.9 | 82.9 | 104.1 | 127                         | 0.5   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 128        | 121 | 128 | 0.483      | 1.0 | 0.0   | 85.5       | -66.2 | 82.3 | 105.6              | 128 | 0.68      | 1.0 | 0.0                         | 87.7 | -50.9 | 84.9 | 99.1               | 121      | 0.483 | 1.0 | 0.0                         | 0.498 | 1.0 | 0.0   | 85.7               | -65.3 | 82.4 | 105.2 | 128                         | 0.483 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 129        | 122 | 129 | 0.466      | 1.0 | 0.0   | 85.4       | -67.2 | 82.1 | 106.1              | 129 | 0.659     | 1.0 | 0.0                         | 87.4 | -52.8 | 84.6 | 99.7               | 122      | 0.467 | 1.0 | 0.0                         | 0.456 | 1.0 | 0.0   | 85.4               | -67.8 | 82.1 | 106.5 | 129                         | 0.467 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 129        | 123 | 130 | 0.45       | 1.0 | 0.0   | 85.3       | -68.2 | 82.0 | 106.7              | 129 | 0.638     | 1.0 | 0.0                         | 87.1 | -54.6 | 84.2 | 100.4              | 123      | 0.45  | 1.0 | 0.0                         | 0.414 | 1.0 | 0.0   | 85.1               | -70.3 | 81.7 | 107.9 | 130                         | 0.45  | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 130        | 124 | 131 | 0.433      | 1.0 | 0.0   | 85.2       | -69.2 | 81.8 | 107.2              | 130 | 0.615     | 1.0 | 0.0                         | 86.9 | -56.5 | 83.9 | 101.1              | 124      | 0.433 | 1.0 | 0.0                         | 0.372 | 1.0 | 0.0   | 84.7               | -72.9 | 81.3 | 109.2 | 131                         | 0.433 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 130        | 125 | 133 | 0.416      | 1.0 | 0.0   | 85.0       | -70.2 | 81.7 | 107.8              | 130 | 0.589     | 1.0 | 0.0                         | 86.6 | -58.4 | 83.6 | 102.1              | 125      | 0.417 | 1.0 | 0.0                         | 0.309 | 1.0 | 0.0   | 84.4               | -75.6 | 80.9 | 110.8 | 133                         | 0.417 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 131        | 126 | 134 | 0.4        | 1.0 | 0.0   | 84.9       | -71.3 | 81.5 | 108.3              | 131 | 0.562     | 1.0 | 0.0                         | 86.3 | -60.4 | 83.3 | 103.0              | 126      | 0.4   | 1.0 | 0.0                         | 0.244 | 1.0 | 0.0   | 84.1               | -78.3 | 80.5 | 112.4 | 134                         | 0.4   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 131        | 127 | 135 | 0.383      | 1.0 | 0.0   | 84.8       | -72.3 | 81.3 | 108.8              | 131 | 0.536     | 1.0 | 0.0                         | 86.1 | -62.4 | 83.0 | 103.9              | 127      | 0.383 | 1.0 | 0.0                         | 0.132 | 1.0 | 0.0   | 83.8               | -81.2 | 80.1 | 114.1 | 135                         | 0.383 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 132        | 128 | 136 | 0.366      | 1.0 | 0.0   | 84.7       | -73.2 | 81.2 | 109.3              | 132 | 0.51      | 1.0 | 0.0                         | 85.8 | -64.4 | 82.6 | 104.8              | 128      | 0.367 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.073 | 83.7               | -82.3 | 78.0 | 113.5 | 136                         | 0.367 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 132        | 129 | 137 | 0.35       | 1.0 | 0.0   | 84.6       | -73.9 | 81.1 | 109.7              | 132 | 0.477     | 1.0 | 0.0                         | 85.5 | -66.5 | 82.3 | 105.8              | 129      | 0.35  | 1.0 | 0.0                         | 0.0   | 1.0 | 0.165 | 83.7               | -81.6 | 74.2 | 110.4 | 137                         | 0.35  | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 132        | 130 | 138 | 0.333      | 1.0 | 0.0   | 84.5       | -74.6 | 81.0 | 110.1              | 132 | 0.442     | 1.0 | 0.0                         | 85.3 | -68.7 | 82.0 | 107.0              | 130      | 0.333 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.227 | 83.8               | -80.8 | 70.5 | 107.3 | 138                         | 0.333 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 132        | 131 | 140 | 0.316      | 1.0 | 0.0   | 84.4       | -75.3 | 80.9 | 110.6              | 132 | 0.406     | 1.0 | 0.0                         | 85.0 | -70.9 | 81.6 | 108.1              | 131      | 0.317 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.273 | 83.8               | -80.0 | 67.0 | 104.5 | 140                         | 0.317 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 133        | 132 | 141 | 0.3        | 1.0 | 0.0   | 84.3       | -76.0 | 80.8 | 111.0              | 133 | 0.368     | 1.0 | 0.0                         | 84.7 | -73.1 | 81.2 | 109.3              | 132      | 0.3   | 1.0 | 0.0                         | 0.0   | 1.0 | 0.311 | 83.9               | -79.3 | 63.7 | 101.8 | 141                         | 0.3   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 133        | 133 | 142 | 0.283      | 1.0 | 0.0   | 84.2       | -76.8 | 80.7 | 111.4              | 133 | 0.314     | 1.0 | 0.0                         | 84.5 | -75.4 | 80.9 | 110.7              | 133      | 0.283 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.349 | 84.0               | -78.4 | 60.4 | 99.0  | 142                         | 0.283 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 133        | 134 | 143 | 0.266      | 1.0 | 0.0   | 84.2       | -77.5 | 80.6 | 111.8              | 133 | 0.261     | 1.0 | 0.0                         | 84.2 | -77.7 | 80.6 | 112.0              | 134      | 0.267 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.383 | 84.0               | -77.5 | 57.3 | 96.4  | 143                         | 0.267 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 134        | 135 | 144 | 0.25       | 1.0 | 0.0   | 84.1       | -78.2 | 80.5 | 112.2              | 134 | 0.173     | 1.0 | 0.0                         | 83.9 | -80.2 | 80.3 | 113.5              | 135      | 0.25  | 1.0 | 0.0                         | 0.0   | 1.0 | 0.41  | 84.1               | -76.8 | 54.3 | 94.1  | 144                         | 0.25  | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 134        | 136 | 145 | 0.233      | 1.0 | 0.0   | 84.0       | -78.7 | 80.4 | 112.5              | 134 | 0.004     | 1.0 | 0.0                         | 83.6 | -82.6 | 79.9 | 115.0              | 136      | 0.233 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.437 | 84.2               | -75.9 | 51.5 | 91.8  | 145                         | 0.233 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 134        | 137 | 147 | 0.216      | 1.0 | 0.0   | 84.0       | -79.1 | 80.4 | 112.8              | 134 | 0.0       | 1.0 | 0.125                       | 83.7 | -82.1 | 76.6 | 112.3              | 137      | 0.217 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.464 | 84.2               | -75.0 | 48.7 | 89.5  | 147                         | 0.217 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 134        | 138 | 148 | 0.2        | 1.0 | 0.0   | 83.9       | -79.5 | 80.3 | 113.0              | 134 | 0.0       | 1.0 | 0.178                       | 83.7 | -81.4 | 73.4 | 109.7              | 138      | 0.2   | 1.0 | 0.0                         | 0.0   | 1.0 | 0.491 | 84.3               | -74.1 | 45.9 | 87.2  | 148                         | 0.2   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 134        | 139 | 149 | 0.183      | 1.0 | 0.0   | 83.9       | -79.9 | 80.2 | 113.3              | 134 | 0.0       | 1.0 | 0.231                       | 83.8 | -80.7 | 70.3 | 107.1              | 139      | 0.183 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.513 | 84.4               | -73.3 | 43.4 | 85.2  | 149                         | 0.183 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 140 | 150 | 0.166      | 1.0 | 0.0   | 83.8       | -80.4 | 80.2 | 113.5              | 135 | 0.0       | 1.0 | 0.271                       | 83.8 | -80.1 | 67.3 | 104.7              | 140      | 0.167 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.533 | 84.5               | -72.5 | 41.0 | 83.4  | 150                         | 0.167 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 141 | 151 | 0.15       | 1.0 | 0.0   | 83.8       | -80.8 | 80.1 | 113.8              | 135 | 0.0       | 1.0 | 0.303                       | 83.9 | -79.4 | 64.4 | 102.3              | 141      | 0.15  | 1.0 | 0.0                         | 0.0   | 1.0 | 0.553 | 84.5               | -71.7 | 38.6 | 81.6  | 151                         | 0.15  | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 142 | 152 | 0.133      | 1.0 | 0.0   | 83.7       | -81.2 | 80.1 | 114.1              | 135 | 0.0       | 1.0 | 0.335                       | 83.9 | -78.7 | 61.6 | 100.0              | 142      | 0.133 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.573 | 84.6               | -70.9 | 36.3 | 79.8  | 152                         | 0.133 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 143 | 154 | 0.116      | 1.0 | 0.0   | 83.7       | -81.5 | 80.0 | 114.2              | 135 | 0.0       | 1.0 | 0.368                       | 84.0 | -77.9 | 58.8 | 97.7               | 143      | 0.117 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.593 | 84.7               | -70.0 | 34.1 | 77.9  | 154                         | 0.117 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 144 | 155 | 0.1        | 1.0 | 0.0   | 83.7       | -81.7 | 80.0 | 114.4              | 135 | 0.0       | 1.0 | 0.393                       | 84.1 | -77.3 | 56.2 | 95.6               | 144      | 0.1   | 1.0 | 0.0                         | 0.0   | 1.0 | 0.614 | 84.7               | -69.0 | 31.9 | 76.1  | 155                         | 0.1   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 145 | 156 | 0.083      | 1.0 | 0.0   | 83.7       | -81.9 | 80.0 | 114.5              | 135 | 0.0       | 1.0 | 0.416                       | 84.1 | -76.6 | 53.7 | 93.6               | 145      | 0.083 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.631 | 84.8               | -68.2 | 29.8 | 74.5  | 156                         | 0.083 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 146 | 157 | 0.066      | 1.0 | 0.0   | 83.7       | -82.0 | 79.9 | 114.6              | 135 | 0.0       | 1.0 | 0.439                       | 84.2 | -75.9 | 51.3 | 91.7               | 146      | 0.067 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.646 | 84.9               | -67.5 | 27.9 | 73.2  | 157                         | 0.067 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 147 | 158 | 0.049      | 1.0 | 0.0   | 83.6       | -82.2 | 79.9 | 114.7              | 135 | 0.0       | 1.0 | 0.462                       | 84.2 | -75.1 | 48.8 | 89.7               | 147      | 0.05  | 1.0 | 0.0                         | 0.0   | 1.0 | 0.661 | 85.0               | -66.9 | 26.1 | 71.9  | 158                         | 0.05  | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 148 | 159 | 0.033      | 1.0 | 0.0   | 83.6       | -82.4 | 79.9 | 114.8              | 135 | 0.0       | 1.0 | 0.485                       | 84.3 | -74.3 | 46.5 | 87.7               | 148      | 0.033 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.676 | 85.0               | -66.2 | 24.3 | 70.6  | 159                         | 0.033 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 135        | 149 | 161 | 0.016      | 1.0 | 0.0   | 83.6       | -82.6 | 79.9 | 114.9              | 135 | 0.0       | 1.0 | 0.506                       | 84.4 | -73.5 | 44.2 | 85.9               | 149      | 0.017 | 1.0 | 0.0                         | 0.0   | 1.0 | 0.691 | 85.1               | -65.4 | 22.5 | 69.2  | 161                         | 0.017 | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 150 | 162 | 0.0        | 1.0 | 0.0   | 83.6       | -82.7 | 79.8 | 115.0              | 136 | $G_d$ 0.0 | 1.0 | 0.523                       | 84.4 | -72.9 | 42.1 | 84.3               | $150G_s$ | 0.0   | 1.0 | 0.0                         | 0.0   | 1.0 | 0.706 | 85.2               | -64.6 | 20.7 | 67.9  | $162G_e$                    | 0.0   | 1.0 | 0.0   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 151 | 163 | 0.0        | 1.0 | 0.016 | 83.6       | -82.7 | 79.4 | 114.6              | 136 | 0.0       | 1.0 | 0.541                       | 84.5 | -72.3 | 40.1 | 82.7               | 151      | 0.0   | 1.0 | 0.017                       | 0.0   | 1.0 | 0.718 | 85.2               | -63.9 | 19.4 | 66.9  | 163                         | 0.0   | 1.0 | 0.017 |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 152 | 164 | 0.0        | 1.0 | 0.033 | 83.6       | -82.6 | 79.0 | 114.3              | 136 | 0.0       | 1.0 | 0.558                       | 84.5 | -71.6 | 38.1 | 81.2               | 152      | 0.0   | 1.0 | 0.033                       | 0.0   | 1.0 | 0.73  | 85.3               | -63.2 | 18.1 | 65.9  | 164                         | 0.0   | 1.0 | 0.033 |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 153 | 164 | 0.0        | 1.0 | 0.05  | 83.6       | -82.5 | 78.5 | 113.9              | 136 | 0.0       | 1.0 | 0.575                       | 84.6 | -70.8 | 36.1 | 79.6               | 153      | 0.0   | 1.0 | 0.05                        | 0.0   | 1.0 | 0.741 | 85.3               | -62.5 | 16.8 | 64.8  | 164                         | 0.0   | 1.0 | 0.05  |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 154 | 165 | 0.0        | 1.0 | 0.066 | 83.6       | -82.4 | 78.1 | 113.5              | 136 | 0.0       | 1.0 | 0.592                       | 84.7 | -70.0 | 34.2 | 78.0               | 154      | 0.0   | 1.0 | 0.067                       | 0.0   | 1.0 | 0.752 | 85.4               | -61.9 | 15.6 | 63.9  | 165                         | 0.0   | 1.0 | 0.067 |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 155 | 166 | 0.0        | 1.0 | 0.083 | 83.6       | -82.3 | 77.6 | 113.2              | 136 | 0.0       | 1.0 | 0.61                        | 84.7 | -69.2 | 32.3 | 76.5               | 155      | 0.0   | 1.0 | 0.083                       | 0.0   | 1.0 | 0.761 | 85.4               | -61.5 | 14.5 | 63.2  | 166                         | 0.0   | 1.0 | 0.083 |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 156 | 167 | 0.0        | 1.0 | 0.1   | 83.6       | -82.2 | 77.2 | 112.8              | 136 | 0.0       | 1.0 | 0.626                       | 84.8 | -68.4 | 30.5 | 74.9               | 156      | 0.0   | 1.0 | 0.1                         | 0.0   | 1.0 | 0.77  | 85.5               | -61.1 | 13.3 | 62.6  | 167                         | 0.0   | 1.0 | 0.1   |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 136        | 157 | 168 | 0.0        | 1.0 | 0.116 | 83.6       | -82.1 | 76.8 | 112.5              | 136 | 0.0       | 1.0 | 0.639                       | 84.9 | -67.8 | 28.8 | 73.8               | 157      | 0.0   | 1.0 | 0.117                       | 0.0   | 1.0 | 0.778 | 85.5               | -60.6 | 12.2 | 61.9  | 168                         | 0.0   | 1.0 | 0.117 |                    |  |  |  |                    |  |  |  |                    |  |  |  |
| 137        | 158 | 169 | 0.0        | 1.0 | 0.133 | 83.6       | -82.0 | 76.0 | 111.9              | 137 | 0.0       | 1.0 | 0.652                       | 84.9 | -67.3 | 27.2 | 72.7               |          |       |     |                             |       |     |       |                    |       |      |       |                             |       |     |       |                    |  |  |  |                    |  |  |  |                    |  |  |  |

|             |          |                                                                                             |
|-------------|----------|---------------------------------------------------------------------------------------------|
| 4-113730-L0 | SI120-73 | LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0 |
|-------------|----------|---------------------------------------------------------------------------------------------|

uscita: sRGB standard device; no separation, D65, pagina 8/29

grafico TUB-SI12: 1080 colori standard

immettere:  $rgb/cmyk \rightarrow rgb_{de}$

cerchio delle tinte a 48 passi:  $rab-LabCh^*$  tavole, 3D=1, de=1, ssRGB-D-linearizzazione a  $rab^*_d$

~~4-113730-F0~~

C

M

Y

\_\_\_\_\_

\_\_\_\_\_

0

100

V

-6

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ |     | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ |       | $LAB^*_{d361Mi}$ |       | $LAB^*_{d361Mi} (x=LabCh)$ |       | $rgb^*_{ds361Mi}$ |     | $LAB^*_{ds361Mi}$ |       | $LAB^*_{ds361Mi} (x=LabCh)$ |       | $rgb^*_{dd361Mi}$ |       | $rgb^*_{de361Mi}$ |     | $LAB^*_{dex361Mi} (x=LabCh)$ |       | $rgb^*_{dd361Mi}$ |       | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ |     |     |       |       |  |  |  |
|------------|-----|------------|------------|------------------|-------|------------------|-------|----------------------------|-------|-------------------|-----|-------------------|-------|-----------------------------|-------|-------------------|-------|-------------------|-----|------------------------------|-------|-------------------|-------|-------------------|-------------------|-------------------|-----|-----|-------|-------|--|--|--|
| 139        | 165 | 175        | 0.0        | 1.0              | 0.25  | 83.8             | -80.5 | 69.1                       | 106.1 | 139               | 0.0 | 1.0               | 0.742 | 85.3                        | -62.5 | 16.8              | 64.8  | 165               | 0.0 | 1.0                          | 0.25  | 85.9              | -56.4 | 4.0               | 56.7              | 175               | 0.0 | 1.0 | 0.25  |       |  |  |  |
| 139        | 166 | 176        | 0.0        | 1.0              | 0.266 | 83.8             | -80.2 | 67.6                       | 104.9 | 139               | 0.0 | 1.0               | 0.753 | 85.4                        | -61.8 | 15.4              | 63.8  | 166               | 0.0 | 1.0                          | 0.267 | 85.9              | -55.9 | 3.1               | 56.0              | 176               | 0.0 | 1.0 | 0.267 |       |  |  |  |
| 140        | 167 | 177        | 0.0        | 1.0              | 0.283 | 83.8             | -79.9 | 66.1                       | 103.7 | 140               | 0.0 | 1.0               | 0.763 | 85.4                        | -61.4 | 14.2              | 63.1  | 167               | 0.0 | 1.0                          | 0.283 | 86.0              | -55.2 | 2.2               | 55.4              | 177               | 0.0 | 1.0 | 0.283 |       |  |  |  |
| 140        | 168 | 178        | 0.0        | 1.0              | 0.3   | 83.8             | -79.6 | 64.6                       | 102.5 | 140               | 0.0 | 1.0               | 0.772 | 85.5                        | -60.9 | 13.0              | 62.4  | 168               | 0.0 | 1.0                          | 0.3   | 86.0              | -54.6 | 1.3               | 54.7              | 178               | 0.0 | 1.0 | 0.3   |       |  |  |  |
| 141        | 169 | 179        | 0.0        | 1.0              | 0.316 | 83.9             | -79.2 | 63.1                       | 101.3 | 141               | 0.0 | 1.0               | 0.782 | 85.5                        | -60.4 | 11.8              | 61.7  | 169               | 0.0 | 1.0                          | 0.317 | 86.1              | -54.2 | 0.4               | 54.3              | 179               | 0.0 | 1.0 | 0.317 |       |  |  |  |
| 141        | 170 | 180        | 0.0        | 1.0              | 0.333 | 83.9             | -78.8 | 61.7                       | 100.1 | 141               | 0.0 | 1.0               | 0.791 | 85.6                        | -59.9 | 10.6              | 60.9  | 170               | 0.0 | 1.0                          | 0.333 | 86.1              | -53.9 | -0.3              | 54.0              | 180               | 0.0 | 1.0 | 0.333 |       |  |  |  |
| 142        | 171 | 181        | 0.0        | 1.0              | 0.35  | 83.9             | -78.4 | 60.2                       | 98.9  | 142               | 0.0 | 1.0               | 0.801 | 85.6                        | -59.4 | 9.4               | 60.2  | 171               | 0.0 | 1.0                          | 0.35  | 86.2              | -53.5 | -1.2              | 53.6              | 181               | 0.0 | 1.0 | 0.35  |       |  |  |  |
| 142        | 172 | 182        | 0.0        | 1.0              | 0.366 | 84.0             | -78.0 | 58.8                       | 97.7  | 142               | 0.0 | 1.0               | 0.81  | 85.7                        | -58.8 | 8.3               | 59.5  | 172               | 0.0 | 1.0                          | 0.367 | 86.2              | -53.2 | -2.0              | 53.3              | 182               | 0.0 | 1.0 | 0.367 |       |  |  |  |
| 143        | 173 | 183        | 0.0        | 1.0              | 0.383 | 84.0             | -77.6 | 57.2                       | 96.4  | 143               | 0.0 | 1.0               | 0.82  | 85.7                        | -58.2 | 7.2               | 58.8  | 173               | 0.0 | 1.0                          | 0.383 | 86.3              | -52.8 | -2.9              | 53.0              | 183               | 0.0 | 1.0 | 0.383 |       |  |  |  |
| 144        | 174 | 184        | 0.0        | 1.0              | 0.4   | 84.0             | -77.1 | 55.4                       | 94.9  | 144               | 0.0 | 1.0               | 0.829 | 85.8                        | -57.6 | 6.1               | 58.1  | 174               | 0.0 | 1.0                          | 0.4   | 86.3              | -52.4 | -3.7              | 52.6              | 184               | 0.0 | 1.0 | 0.4   |       |  |  |  |
| 145        | 175 | 185        | 0.0        | 1.0              | 0.416 | 84.1             | -76.6 | 53.6                       | 93.5  | 145               | 0.0 | 1.0               | 0.839 | 85.8                        | -57.0 | 5.0               | 57.3  | 175               | 0.0 | 1.0                          | 0.417 | 86.3              | -52.0 | -4.5              | 52.3              | 185               | 0.0 | 1.0 | 0.417 |       |  |  |  |
| 145        | 176 | 185        | 0.0        | 1.0              | 0.433 | 84.1             | -76.1 | 51.8                       | 92.1  | 145               | 0.0 | 1.0               | 0.848 | 85.9                        | -56.4 | 4.0               | 56.6  | 176               | 0.0 | 1.0                          | 0.433 | 86.4              | -51.6 | -5.3              | 52.0              | 185               | 0.0 | 1.0 | 0.433 |       |  |  |  |
| 146        | 177 | 186        | 0.0        | 1.0              | 0.45  | 84.2             | -75.6 | 50.0                       | 90.6  | 146               | 0.0 | 1.0               | 0.857 | 86.0                        | -55.7 | 2.9               | 55.9  | 177               | 0.0 | 1.0                          | 0.45  | 86.4              | -51.2 | -6.1              | 51.6              | 186               | 0.0 | 1.0 | 0.45  |       |  |  |  |
| 147        | 178 | 187        | 0.0        | 1.0              | 0.466 | 84.2             | -75.0 | 48.3                       | 89.2  | 147               | 0.0 | 1.0               | 0.867 | 86.0                        | -55.1 | 1.9               | 55.2  | 178               | 0.0 | 1.0                          | 0.467 | 86.5              | -50.7 | -6.8              | 51.3              | 187               | 0.0 | 1.0 | 0.467 |       |  |  |  |
| 147        | 179 | 188        | 0.0        | 1.0              | 0.483 | 84.3             | -74.4 | 46.6                       | 87.8  | 147               | 0.0 | 1.0               | 0.876 | 86.1                        | -54.4 | 1.0               | 54.5  | 179               | 0.0 | 1.0                          | 0.483 | 86.5              | -50.3 | -7.6              | 51.0              | 188               | 0.0 | 1.0 | 0.483 |       |  |  |  |
| 148        | 180 | 189        | 0.0        | 1.0              | 0.5   | 84.3             | -73.7 | 44.9                       | 86.4  | 148               | 0.0 | 1.0               | 0.883 | 86.1                        | -54.1 | 0.0               | 54.2  | 180               | 0.0 | 1.0                          | 0.5   | 86.6              | -49.8 | -8.3              | 50.6              | 189               | 0.0 | 1.0 | 0.5   |       |  |  |  |
| 149        | 181 | 190        | 0.0        | 1.0              | 0.516 | 84.4             | -73.2 | 42.9                       | 84.8  | 149               | 0.0 | 1.0               | 0.89  | 86.2                        | -53.7 | -0.8              | 53.8  | 181               | 0.0 | 1.0                          | 0.517 | 86.6              | -49.3 | -9.1              | 50.3              | 190               | 0.0 | 1.0 | 0.517 |       |  |  |  |
| 150        | 182 | 191        | 0.0        | 1.0              | 0.533 | 84.4             | -72.6 | 40.9                       | 83.3  | 150               | 0.0 | 1.0               | 0.897 | 86.2                        | -53.3 | -1.8              | 53.4  | 182               | 0.0 | 1.0                          | 0.533 | 86.6              | -48.9 | -9.8              | 50.0              | 191               | 0.0 | 1.0 | 0.533 |       |  |  |  |
| 151        | 183 | 192        | 0.0        | 1.0              | 0.55  | 84.5             | -71.9 | 39.0                       | 81.8  | 151               | 0.0 | 1.0               | 0.905 | 86.2                        | -52.9 | -2.7              | 53.1  | 183               | 0.0 | 1.0                          | 0.55  | 86.7              | -48.4 | -10.5             | 49.6              | 192               | 0.0 | 1.0 | 0.55  |       |  |  |  |
| 152        | 184 | 193        | 0.0        | 1.0              | 0.566 | 84.5             | -71.2 | 37.0                       | 80.3  | 152               | 0.0 | 1.0               | 0.912 | 86.3                        | -52.5 | -3.6              | 52.7  | 184               | 0.0 | 1.0                          | 0.567 | 86.7              | -47.9 | -11.2             | 49.3              | 193               | 0.0 | 1.0 | 0.567 |       |  |  |  |
| 153        | 185 | 194        | 0.0        | 1.0              | 0.583 | 84.6             | -70.5 | 35.2                       | 78.8  | 153               | 0.0 | 1.0               | 0.919 | 86.3                        | -52.0 | -4.5              | 52.3  | 185               | 0.0 | 1.0                          | 0.583 | 86.8              | -47.4 | -11.9             | 48.9              | 194               | 0.0 | 1.0 | 0.583 |       |  |  |  |
| 154        | 186 | 195        | 0.0        | 1.0              | 0.6   | 84.6             | -69.7 | 33.3                       | 77.3  | 154               | 0.0 | 1.0               | 0.926 | 86.4                        | -51.6 | -5.3              | 52.0  | 186               | 0.0 | 1.0                          | 0.6   | 86.8              | -46.8 | -12.5             | 48.6              | 195               | 0.0 | 1.0 | 0.6   |       |  |  |  |
| 155        | 187 | 195        | 0.0        | 1.0              | 0.616 | 84.7             | -68.9 | 31.5                       | 75.8  | 155               | 0.0 | 1.0               | 0.933 | 86.4                        | -51.1 | -6.2              | 51.6  | 187               | 0.0 | 1.0                          | 0.617 | 86.9              | -46.3 | -13.2             | 48.3              | 195               | 0.0 | 1.0 | 0.617 |       |  |  |  |
| 156        | 188 | 196        | 0.0        | 1.0              | 0.633 | 84.8             | -68.1 | 29.5                       | 74.3  | 156               | 0.0 | 1.0               | 0.94  | 86.5                        | -50.6 | -7.0              | 51.2  | 188               | 0.0 | 1.0                          | 0.633 | 86.9              | -45.8 | -13.9             | 48.0              | 196               | 0.0 | 1.0 | 0.633 |       |  |  |  |
| 157        | 189 | 197        | 0.0        | 1.0              | 0.65  | 84.8             | -67.4 | 27.4                       | 72.8  | 157               | 0.0 | 1.0               | 0.947 | 86.5                        | -50.1 | -7.9              | 50.8  | 189               | 0.0 | 1.0                          | 0.65  | 86.9              | -45.4 | -14.5             | 47.8              | 197               | 0.0 | 1.0 | 0.65  |       |  |  |  |
| 159        | 190 | 198        | 0.0        | 1.0              | 0.666 | 84.9             | -66.7 | 25.4                       | 71.3  | 159               | 0.0 | 1.0               | 0.955 | 86.6                        | -49.6 | -8.7              | 50.5  | 190               | 0.0 | 1.0                          | 0.667 | 86.9              | -44.9 | -15.2             | 47.5              | 198               | 0.0 | 1.0 | 0.667 |       |  |  |  |
| 160        | 191 | 199        | 0.0        | 1.0              | 0.683 | 85.0             | -65.8 | 23.4                       | 69.9  | 160               | 0.0 | 1.0               | 0.962 | 86.6                        | -49.1 | -9.5              | 50.1  | 191               | 0.0 | 1.0                          | 0.683 | 86.9              | -44.4 | -15.8             | 47.3              | 199               | 0.0 | 1.0 | 0.683 |       |  |  |  |
| 161        | 192 | 200        | 0.0        | 1.0              | 0.7   | 85.1             | -65.0 | 21.4                       | 68.4  | 161               | 0.0 | 1.0               | 0.969 | 86.7                        | -48.6 | -10.2             | 49.7  | 192               | 0.0 | 1.0                          | 0.7   | 86.9              | -44.0 | -16.4             | 47.1              | 200               | 0.0 | 1.0 | 0.7   |       |  |  |  |
| 163        | 193 | 201        | 0.0        | 1.0              | 0.716 | 85.2             | -64.0 | 19.5                       | 67.0  | 163               | 0.0 | 1.0               | 0.976 | 86.7                        | -48.0 | -11.0             | 49.4  | 193               | 0.0 | 1.0                          | 0.717 | 86.9              | -43.5 | -17.0             | 46.8              | 201               | 0.0 | 1.0 | 0.717 |       |  |  |  |
| 164        | 194 | 202        | 0.0        | 1.0              | 0.733 | 85.2             | -63.1 | 17.6                       | 65.5  | 164               | 0.0 | 1.0               | 0.983 | 86.8                        | -47.5 | -11.8             | 49.0  | 194               | 0.0 | 1.0                          | 0.733 | 86.9              | -43.0 | -17.6             | 46.6              | 202               | 0.0 | 1.0 | 0.733 |       |  |  |  |
| 165        | 195 | 203        | 0.0        | 1.0              | 0.75  | 85.3             | -62.0 | 15.9                       | 64.0  | 165               | 0.0 | 1.0               | 0.99  | 86.8                        | -46.9 | -12.5             | 48.6  | 195               | 0.0 | 1.0                          | 0.75  | 86.9              | -42.5 | -18.2             | 46.4              | 203               | 0.0 | 1.0 | 0.75  |       |  |  |  |
| 167        | 196 | 204        | 0.0        | 1.0              | 0.766 | 85.4             | -61.2 | 13.7                       | 62.8  | 167               | 0.0 | 1.0               | 0.997 | 86.9                        | -46.3 | -13.2             | 48.3  | 196               | 0.0 | 1.0                          | 0.767 | 86.9              | -42.0 | -18.8             | 46.1              | 204               | 0.0 | 1.0 | 0.767 |       |  |  |  |
| 169        | 197 | 205        | 0.0        | 1.0              | 0.783 | 85.5             | -60.4 | 11.5                       | 61.5  | 169               | 0.0 | 1.0               | 0.997 | 1.0                         | 86.6  | -45.8             | -13.9 | 48.0              | 197 | 0.0                          | 1.0   | 0.783             | 86.9  | -41.5             | -19.4             | 45.9              | 205 | 0.0 | 1.0   | 0.783 |  |  |  |
| 170        | 198 | 206        | 0.0        | 1.0              | 0.8   | 85.6             | -59.5 | 9.5                        | 60.2  | 170               | 0.0 | 1.0               | 0.991 | 1.0                         | 86.3  | -45.3             | -14.6 | 47.7              | 198 | 0.0                          | 1.0   | 0.8               | 86.9  | -40.9             | -19.9             | 45.7              | 206 | 0.0 | 1.0   | 0.8   |  |  |  |
| 172        | 199 | 206        | 0.0        | 1.0              | 0.816 | 85.7             | -58.5 | 7.5                        | 59.0  | 172               | 0.0 | 1.0               | 0.986 | 1.0                         | 85.9  | -44.8             | -15.4 | 47.5              | 199 | 0.0                          | 1.0   | 0.817             | 86.9  | -40.4             | -20.5             | 45.4              | 206 | 0.0 | 1.0   | 0.817 |  |  |  |
| 174        | 200 | 207        | 0.0        | 1.0              | 0.833 | 85.8             | -57.4 | 5.5                        | 57.7  | 174               | 0.0 | 1.0               | 0.981 | 1.0                         | 85.5  | -44.3             | -16.0 | 47.2              | 200 | 0.0                          | 1.0   | 0.833             | 86.9  | -39.9             | -21.0             | 45.2              | 207 | 0.0 | 1.0   | 0.833 |  |  |  |
| 176        | 201 | 208        | 0.0        | 1.0              | 0.85  | 85.9             | -56.3 | 3.7                        | 5     |                   |     |                   |       |                             |       |                   |       |                   |     |                              |       |                   |       |                   |                   |                   |     |     |       |       |  |  |  |

vedere dei file simili: <http://130.149.60.45/~farbmctrik/S112/S112.HTM>  
informazioni tecniche: <http://www.ps.barn.de> o <http://130.149.60.45/~farbmctrik>

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ; Six hue angles of the device colours  $RYGBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| h <sub>ab,d</sub> h <sub>ab,s</sub> h <sub>ab,e</sub> r <sub>gb</sub> * <sup>dd</sup> 361M LAB* <sup>dsx</sup> 361Mi (x=LabCh) |     |     |     |       |     |      |       |         |      | r <sub>gb</sub> * <sup>ds</sup> 361Mi LAB* <sup>dsx</sup> 361Mi (x=LabCh) |                |     |       |     |      |       |       |      |     | r <sub>gb</sub> * <sup>dd</sup> 361Mi r <sub>gb</sub> * <sup>de</sup> 361Mi LAB* <sup>dex</sup> 361Mi (x=LabCh) |     |       |     |     |       |     |      |       |       | r <sub>gb</sub> * <sup>dd</sup> 361Mi |     |                |       |     |     |  |  |  |  | r <sub>gb</sub> * <sup>dd</sup> r <sub>gb</sub> * <sup>ds</sup> r <sub>gb</sub> * <sup>de</sup> |  |  |
|--------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|-----|------|-------|---------|------|---------------------------------------------------------------------------|----------------|-----|-------|-----|------|-------|-------|------|-----|-----------------------------------------------------------------------------------------------------------------|-----|-------|-----|-----|-------|-----|------|-------|-------|---------------------------------------|-----|----------------|-------|-----|-----|--|--|--|--|-------------------------------------------------------------------------------------------------|--|--|
| 196                                                                                                                            | 210 | 216 | 0.0 | 1.0   | 1.0 | 86.8 | -46.1 | -13.5   | 48.1 | 196                                                                       | C <sub>d</sub> | 0.0 | 0.927 | 1.0 | 81.7 | -38.6 | -22.2 | 44.7 | 210 | C <sub>s</sub>                                                                                                  | 0.0 | 1.0   | 1.0 | 0.0 | 0.89  | 1.0 | 79.1 | -34.2 | -25.7 | 42.9                                  | 216 | C <sub>e</sub> | 0.0   | 1.0 | 1.0 |  |  |  |  |                                                                                                 |  |  |
| 199                                                                                                                            | 211 | 217 | 0.0 | 0.983 | 1.0 | 85.6 | -44.6 | -15.8   | 47.3 | 199                                                                       |                | 0.0 | 0.922 | 1.0 | 81.3 | -38.0 | -22.8 | 44.4 | 211 |                                                                                                                 | 0.0 | 0.983 | 1.0 | 0.0 | 0.885 | 1.0 | 78.7 | -33.6 | -26.1 | 42.7                                  | 217 | 0.0            | 0.983 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 202                                                                                                                            | 212 | 218 | 0.0 | 0.966 | 1.0 | 84.5 | -42.9 | -17.9   | 46.5 | 202                                                                       |                | 0.0 | 0.917 | 1.0 | 81.0 | -37.3 | -23.3 | 44.2 | 212 |                                                                                                                 | 0.0 | 0.967 | 1.0 | 0.0 | 0.881 | 1.0 | 78.4 | -33.0 | -26.5 | 42.4                                  | 218 | 0.0            | 0.967 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 205                                                                                                                            | 213 | 219 | 0.0 | 0.95  | 1.0 | 83.3 | -41.1 | -19.8   | 45.7 | 205                                                                       |                | 0.0 | 0.911 | 1.0 | 80.6 | -36.7 | -23.8 | 43.9 | 213 |                                                                                                                 | 0.0 | 0.95  | 1.0 | 0.0 | 0.876 | 1.0 | 78.0 | -32.3 | -26.9 | 42.2                                  | 219 | 0.0            | 0.95  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 208                                                                                                                            | 214 | 220 | 0.0 | 0.933 | 1.0 | 82.1 | -39.3 | -21.7   | 44.9 | 208                                                                       |                | 0.0 | 0.906 | 1.0 | 80.2 | -36.1 | -24.3 | 43.6 | 214 |                                                                                                                 | 0.0 | 0.933 | 1.0 | 0.0 | 0.871 | 1.0 | 77.7 | -31.9 | -27.4 | 42.2                                  | 220 | 0.0            | 0.933 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 212                                                                                                                            | 215 | 221 | 0.0 | 0.916 | 1.0 | 80.9 | -37.4 | -23.4   | 44.1 | 212                                                                       |                | 0.0 | 0.901 | 1.0 | 79.8 | -35.4 | -24.8 | 43.4 | 215 |                                                                                                                 | 0.0 | 0.917 | 1.0 | 0.0 | 0.867 | 1.0 | 77.4 | -31.5 | -27.9 | 42.3                                  | 221 | 0.0            | 0.917 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 215                                                                                                                            | 216 | 222 | 0.0 | 0.9   | 1.0 | 79.7 | -35.4 | -24.9   | 43.3 | 215                                                                       |                | 0.0 | 0.895 | 1.0 | 79.5 | -34.8 | -25.3 | 43.1 | 216 |                                                                                                                 | 0.0 | 0.9   | 1.0 | 0.0 | 0.863 | 1.0 | 77.2 | -31.1 | -28.5 | 42.3                                  | 222 | 0.0            | 0.9   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 218                                                                                                                            | 217 | 223 | 0.0 | 0.883 | 1.0 | 78.5 | -33.4 | -26.3   | 42.5 | 218                                                                       |                | 0.0 | 0.89  | 1.0 | 79.1 | -34.1 | -25.7 | 42.9 | 217 |                                                                                                                 | 0.0 | 0.883 | 1.0 | 0.0 | 0.859 | 1.0 | 76.9 | -30.7 | -29.0 | 42.4                                  | 223 | 0.0            | 0.883 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 221                                                                                                                            | 218 | 224 | 0.0 | 0.866 | 1.0 | 77.4 | -31.5 | -28.1   | 42.2 | 221                                                                       |                | 0.0 | 0.885 | 1.0 | 78.7 | -33.5 | -26.1 | 42.6 | 218 |                                                                                                                 | 0.0 | 0.867 | 1.0 | 0.0 | 0.855 | 1.0 | 76.6 | -30.3 | -29.6 | 42.5                                  | 224 | 0.0            | 0.867 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 225                                                                                                                            | 219 | 225 | 0.0 | 0.85  | 1.0 | 76.2 | -29.9 | -30.2   | 42.5 | 225                                                                       |                | 0.0 | 0.879 | 1.0 | 78.3 | -32.8 | -26.6 | 42.4 | 219 |                                                                                                                 | 0.0 | 0.85  | 1.0 | 0.0 | 0.851 | 1.0 | 76.3 | -29.9 | -30.1 | 42.6                                  | 225 | 0.0            | 0.85  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 228                                                                                                                            | 220 | 226 | 0.0 | 0.833 | 1.0 | 75.0 | -28.1 | -32.3   | 42.8 | 228                                                                       |                | 0.0 | 0.874 | 1.0 | 77.9 | -32.2 | -27.0 | 42.2 | 220 |                                                                                                                 | 0.0 | 0.833 | 1.0 | 0.0 | 0.846 | 1.0 | 76.0 | -29.4 | -30.6 | 42.6                                  | 226 | 0.0            | 0.833 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 232                                                                                                                            | 221 | 227 | 0.0 | 0.816 | 1.0 | 73.8 | -26.1 | -34.2   | 43.1 | 232                                                                       |                | 0.0 | 0.87  | 1.0 | 77.6 | -31.8 | -27.6 | 42.2 | 221 |                                                                                                                 | 0.0 | 0.817 | 1.0 | 0.0 | 0.842 | 1.0 | 75.7 | -29.0 | -31.1 | 42.7                                  | 227 | 0.0            | 0.817 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 236                                                                                                                            | 222 | 227 | 0.0 | 0.8   | 1.0 | 72.6 | -24.0 | -36.0   | 43.3 | 236                                                                       |                | 0.0 | 0.865 | 1.0 | 77.3 | -31.3 | -28.2 | 42.3 | 222 |                                                                                                                 | 0.0 | 0.8   | 1.0 | 0.0 | 0.838 | 1.0 | 75.4 | -28.5 | -31.6 | 42.8                                  | 227 | 0.0            | 0.8   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 239                                                                                                                            | 223 | 228 | 0.0 | 0.783 | 1.0 | 71.4 | -21.8 | -37.7   | 43.6 | 239                                                                       |                | 0.0 | 0.861 | 1.0 | 77.0 | -30.9 | -28.8 | 42.4 | 223 |                                                                                                                 | 0.0 | 0.783 | 1.0 | 0.0 | 0.834 | 1.0 | 75.1 | -28.1 | -32.1 | 42.8                                  | 228 | 0.0            | 0.783 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 243                                                                                                                            | 224 | 229 | 0.0 | 0.766 | 1.0 | 70.2 | -19.5 | -39.3   | 43.9 | 243                                                                       |                | 0.0 | 0.856 | 1.0 | 76.7 | -30.4 | -29.4 | 42.5 | 224 |                                                                                                                 | 0.0 | 0.767 | 1.0 | 0.0 | 0.83  | 1.0 | 74.8 | -27.6 | -32.6 | 42.9                                  | 229 | 0.0            | 0.767 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 247                                                                                                                            | 225 | 230 | 0.0 | 0.75  | 1.0 | 69.1 | -17.0 | -40.7   | 44.1 | 247                                                                       |                | 0.0 | 0.851 | 1.0 | 76.3 | -30.0 | -30.0 | 42.5 | 225 |                                                                                                                 | 0.0 | 0.75  | 1.0 | 0.0 | 0.826 | 1.0 | 74.5 | -27.1 | -33.1 | 43.0                                  | 230 | 0.0            | 0.75  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 250                                                                                                                            | 226 | 231 | 0.0 | 0.733 | 1.0 | 67.9 | -15.3 | -42.9   | 45.5 | 250                                                                       |                | 0.0 | 0.847 | 1.0 | 76.0 | -29.5 | -30.6 | 42.6 | 226 |                                                                                                                 | 0.0 | 0.733 | 1.0 | 0.0 | 0.821 | 1.0 | 74.2 | -26.6 | -33.6 | 43.0                                  | 231 | 0.0            | 0.733 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 253                                                                                                                            | 227 | 232 | 0.0 | 0.716 | 1.0 | 66.7 | -13.5 | -44.9   | 46.9 | 253                                                                       |                | 0.0 | 0.842 | 1.0 | 75.7 | -29.0 | -31.1 | 42.7 | 227 |                                                                                                                 | 0.0 | 0.717 | 1.0 | 0.0 | 0.817 | 1.0 | 73.9 | -26.1 | -34.1 | 43.1                                  | 232 | 0.0            | 0.717 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 256                                                                                                                            | 228 | 233 | 0.0 | 0.7   | 1.0 | 65.5 | -11.4 | -46.9   | 48.3 | 256                                                                       |                | 0.0 | 0.838 | 1.0 | 75.4 | -28.5 | -31.2 | 42.8 | 228 |                                                                                                                 | 0.0 | 0.7   | 1.0 | 0.0 | 0.813 | 1.0 | 73.6 | -25.6 | -34.6 | 43.2                                  | 233 | 0.0            | 0.7   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 259                                                                                                                            | 229 | 234 | 0.0 | 0.683 | 1.0 | 64.4 | -9.2  | -48.8   | 49.7 | 259                                                                       |                | 0.0 | 0.833 | 1.0 | 75.0 | -28.0 | -32.2 | 42.8 | 229 |                                                                                                                 | 0.0 | 0.683 | 1.0 | 0.0 | 0.809 | 1.0 | 73.3 | -25.1 | -35.0 | 43.2                                  | 234 | 0.0            | 0.683 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 262                                                                                                                            | 230 | 235 | 0.0 | 0.666 | 1.0 | 63.2 | -6.8  | -50.6   | 51.1 | 262                                                                       |                | 0.0 | 0.829 | 1.0 | 74.7 | -27.5 | -32.8 | 42.9 | 230 |                                                                                                                 | 0.0 | 0.667 | 1.0 | 0.0 | 0.805 | 1.0 | 73.0 | -24.6 | -35.5 | 43.3                                  | 235 | 0.0            | 0.667 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 265                                                                                                                            | 231 | 236 | 0.0 | 0.65  | 1.0 | 62.0 | -4.2  | -52.3   | 52.5 | 265                                                                       |                | 0.0 | 0.824 | 1.0 | 74.4 | -26.9 | -33.3 | 43.0 | 231 |                                                                                                                 | 0.0 | 0.65  | 1.0 | 0.0 | 0.801 | 1.0 | 72.7 | -24.1 | -35.9 | 43.4                                  | 236 | 0.0            | 0.65  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 268                                                                                                                            | 232 | 237 | 0.0 | 0.633 | 1.0 | 60.9 | -1.5  | -53.9   | 53.9 | 268                                                                       |                | 0.0 | 0.82  | 1.0 | 74.1 | -26.4 | -33.8 | 43.1 | 232 |                                                                                                                 | 0.0 | 0.633 | 1.0 | 0.0 | 0.797 | 1.0 | 72.4 | -23.5 | -36.3 | 43.4                                  | 237 | 0.0            | 0.633 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 270                                                                                                                            | 233 | 237 | 0.0 | 0.616 | 1.0 | 59.7 | 0.8   | -55.6   | 55.7 | 270                                                                       |                | 0.0 | 0.815 | 1.0 | 73.7 | -25.9 | -34.3 | 43.1 | 233 |                                                                                                                 | 0.0 | 0.617 | 1.0 | 0.0 | 0.792 | 1.0 | 72.1 | -23.0 | -36.8 | 43.5                                  | 237 | 0.0            | 0.617 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 272                                                                                                                            | 234 | 238 | 0.0 | 0.6   | 1.0 | 58.6 | 2.9   | -57.7   | 57.8 | 272                                                                       |                | 0.0 | 0.81  | 1.0 | 73.4 | -25.3 | -34.9 | 43.2 | 234 |                                                                                                                 | 0.0 | 0.6   | 1.0 | 0.0 | 0.788 | 1.0 | 71.8 | -22.4 | -37.2 | 43.6                                  | 238 | 0.0            | 0.6   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 274                                                                                                                            | 235 | 239 | 0.0 | 0.583 | 1.0 | 57.4 | 5.1   | -59.7   | 59.9 | 274                                                                       |                | 0.0 | 0.806 | 1.0 | 73.1 | -24.7 | -35.4 | 43.3 | 235 |                                                                                                                 | 0.0 | 0.583 | 1.0 | 0.0 | 0.784 | 1.0 | 71.5 | -21.8 | -37.6 | 43.6                                  | 239 | 0.0            | 0.583 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 276                                                                                                                            | 236 | 240 | 0.0 | 0.566 | 1.0 | 56.3 | 7.4   | -61.6   | 62.1 | 276                                                                       |                | 0.0 | 0.801 | 1.0 | 72.8 | -24.1 | -35.8 | 43.4 | 236 |                                                                                                                 | 0.0 | 0.567 | 1.0 | 0.0 | 0.78  | 1.0 | 71.2 | -21.3 | -38.0 | 43.7                                  | 240 | 0.0            | 0.567 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 278                                                                                                                            | 237 | 241 | 0.0 | 0.55  | 1.0 | 55.2 | 10.0  | -63.5   | 64.2 | 278                                                                       |                | 0.0 | 0.797 | 1.0 | 72.4 | -23.6 | -36.3 | 43.4 | 237 |                                                                                                                 | 0.0 | 0.55  | 1.0 | 0.0 | 0.776 | 1.0 | 70.9 | -20.7 | -38.4 | 43.8                                  | 241 | 0.0            | 0.55  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 280                                                                                                                            | 238 | 242 | 0.0 | 0.533 | 1.0 | 54.0 | 12.6  | -65.2   | 66.4 | 280                                                                       |                | 0.0 | 0.792 | 1.0 | 72.1 | -23.0 | -36.8 | 43.5 | 238 |                                                                                                                 | 0.0 | 0.533 | 1.0 | 0.0 | 0.772 | 1.0 | 70.6 | -20.1 | -38.8 | 43.8                                  | 242 | 0.0            | 0.533 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 283                                                                                                                            | 239 | 243 | 0.0 | 0.516 | 1.0 | 52.9 | 15.4  | -66.8   | 68.5 | 283                                                                       |                | 0.0 | 0.788 | 1.0 | 71.8 | -22.3 | -37.2 | 43.6 | 239 |                                                                                                                 | 0.0 | 0.517 | 1.0 | 0.0 | 0.767 | 1.0 | 70.3 | -19.5 | -39.2 | 43.9                                  | 243 | 0.0            | 0.517 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 285                                                                                                                            | 240 | 244 | 0.0 | 0.5   | 1.0 | 51.7 | 18.3  | -68.3   | 70.7 | 285                                                                       |                | 0.0 | 0.783 | 1.0 | 71.5 | -21.7 | -37.7 | 43.6 | 240 |                                                                                                                 | 0.0 | 0.5   | 1.0 | 0.0 | 0.763 | 1.0 | 70.1 | -18.9 | -39.5 | 44.0                                  | 244 | 0.0            | 0.5   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 286                                                                                                                            | 241 | 245 | 0.0 | 0.483 | 1.0 | 50.7 | 20.6  | -70.2   | 73.2 | 286                                                                       |                | 0.0 | 0.779 | 1.0 | 71.1 | -21.1 | -38.1 | 43.7 | 241 |                                                                                                                 | 0.0 | 0.483 | 1.0 | 0.0 | 0.759 | 1.0 | 69.8 | -18.3 | -39.9 | 44.0                                  | 245 | 0.0            | 0.483 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 287                                                                                                                            | 242 | 246 | 0.0 | 0.466 | 1.0 | 49.6 | 22.9  | -72.1   | 75.7 | 287                                                                       |                | 0.0 | 0.774 | 1.0 | 70.8 | -20.5 | -38.6 | 43.8 | 242 |                                                                                                                 | 0.0 | 0.467 | 1.0 | 0.0 | 0.755 | 1.0 | 69.5 | -17.7 | -40.2 | 44.1                                  | 246 | 0.0            | 0.467 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 288                                                                                                                            | 243 | 247 | 0.0 | 0.45  | 1.0 | 48.6 | 25.4  | -74.0   | 78.2 | 288                                                                       |                | 0.0 | 0.769 | 1.0 | 70.5 | -19.8 | -39.0 | 43.9 | 243 |                                                                                                                 | 0.0 | 0.45  | 1.0 | 0.0 | 0.751 | 1.0 | 69.2 | -17.1 | -40.6 | 44.2                                  | 247 | 0.0            | 0.45  | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 290                                                                                                                            | 244 | 248 | 0.0 | 0.433 | 1.0 | 47.5 | 28.0  | -75.7   | 80.7 | 290                                                                       |                | 0.0 | 0.765 | 1.0 | 70.2 | -19.2 | -39.4 | 43.9 | 244 |                                                                                                                 | 0.0 | 0.433 | 1.0 | 0.0 | 0.746 | 1.0 | 68.8 | -16.6 | -41.2 | 44.5                                  | 248 | 0.0            | 0.433 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 291                                                                                                                            | 245 | 248 | 0.0 | 0.416 | 1.0 | 46.5 | 30.6  | -77.4   | 83.2 | 291                                                                       |                | 0.0 | 0.76  | 1.0 | 69.8 | -18.5 | -39.8 | 44.0 | 245 |                                                                                                                 | 0.0 | 0.417 | 1.0 | 0.0 | 0.741 | 1.0 | 68.5 | -16.1 | -41.8 | 45.0                                  | 248 | 0.0            | 0.417 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 292                                                                                                                            | 246 | 249 | 0.0 | 0.4   | 1.0 | 45.4 | 33.3  | -79.0   | 85.7 | 292                                                                       |                | 0.0 | 0.756 | 1.0 | 69.5 | -17.8 | -40.2 | 44.1 | 246 |                                                                                                                 | 0.0 | 0.4   | 1.0 | 0.0 | 0.736 | 1.0 | 68.1 | -15.5 | -42.5 | 45.4                                  | 249 | 0.0            | 0.4   | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 294                                                                                                                            | 247 | 250 | 0.0 | 0.383 | 1.0 | 44.3 | 36.2  | -80.5   | 88.2 | 294                                                                       |                | 0.0 | 0.751 | 1.0 | 69.2 | -17.2 | -40.6 | 44.2 | 247 |                                                                                                                 | 0.0 | 0.383 | 1.0 | 0.0 | 0.731 | 1.0 | 67.8 | -15.0 | -43.1 | 45.8                                  | 250 | 0.0            | 0.383 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 295                                                                                                                            | 248 | 251 | 0.0 | 0.366 | 1.0 | 43.4 | 38.7  | -82.0   | 90.7 | 295                                                                       |                | 0.0 | 0.746 | 1.0 | 68.8 | -16.6 | -41.2 | 44.5 | 248 |                                                                                                                 | 0.0 | 0.367 | 1.0 | 0.0 | 0.726 | 1.0 | 67.4 | -14.4 | -43.8 | 46.2                                  | 251 | 0.0            | 0.367 | 1.0 |     |  |  |  |  |                                                                                                 |  |  |
| 296                                                                                                                            | 249 | 252 | 0.0 | 0.35  | 1.0 | 42.5 | 41.0  | -83.6</ |      |                                                                           |                |     |       |     |      |       |       |      |     |                                                                                                                 |     |       |     |     |       |     |      |       |       |                                       |     |                |       |     |     |  |  |  |  |                                                                                                 |  |  |

|             |          |                                                                                             |
|-------------|----------|---------------------------------------------------------------------------------------------|
| 4-113930-L0 | SI120-73 | LAB*la0, YN=0%, XYZnw=0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB*nw=0.0, 0.0, 0.0, 95.4, 0.0, 0.0 |
|-------------|----------|---------------------------------------------------------------------------------------------|

uscita: sRGB standard device; no separation, D65, pagina 10/29

grafico TUB-SI12: 1080 colori standard

immettere:  $rab/cmyk \rightarrow rab_{de}$

cerchio delle tinte a 48 passi;  $rgb-LabCh^*$  tavole, 3D=1, de=1,  $rgb-LabCh^*$  3D-linearizzazione a  $rgb^*_{de}$

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;

Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{d361M}$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{de361Mi}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{de361Mi}$ | $rgb^*_{dd361Mi}$ | $LAB^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $LAB^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{de361Mi}$ |     |     |       |     |      |       |       |      |     |       |       |     |
|------------|------------|------------|------------------|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-----|-----|-------|-----|------|-------|-------|------|-----|-------|-------|-----|
| 301        | 255        | 258        | 0.0              | 0.25            | 1.0               | 37.1              | 55.9              | -92.3             | 107.9             | 301               | 0.0               | 0.707             | 1.0               | 66.1              | -12.3             | -46.0             | 47.8              | 255               | 0.0               | 0.25              | 1.0 | 0.0 | 0.69  | 1.0 | 64.9 | -10.1 | -48.0 | 49.2 | 258 | 0.0   | 0.25  | 1.0 |
| 301        | 256        | 258        | 0.0              | 0.233           | 1.0               | 36.5              | 57.6              | -93.4             | 109.7             | 301               | 0.0               | 0.702             | 1.0               | 65.7              | -11.6             | -46.7             | 48.2              | 256               | 0.0               | 0.233             | 1.0 | 0.0 | 0.685 | 1.0 | 64.6 | -9.4  | -48.6 | 49.6 | 258 | 0.0   | 0.233 | 1.0 |
| 302        | 257        | 259        | 0.0              | 0.216           | 1.0               | 35.9              | 59.4              | -94.5             | 111.6             | 302               | 0.0               | 0.696             | 1.0               | 65.3              | -10.9             | -47.3             | 48.7              | 257               | 0.0               | 0.217             | 1.0 | 0.0 | 0.68  | 1.0 | 64.2 | -8.7  | -49.1 | 50.0 | 259 | 0.0   | 0.217 | 1.0 |
| 302        | 258        | 260        | 0.0              | 0.2             | 1.0               | 35.2              | 61.2              | -95.5             | 113.5             | 302               | 0.0               | 0.691             | 1.0               | 64.9              | -10.1             | -48.0             | 49.1              | 258               | 0.0               | 0.2               | 1.0 | 0.0 | 0.675 | 1.0 | 63.8 | -8.0  | -49.7 | 50.4 | 260 | 0.0   | 0.2   | 1.0 |
| 303        | 259        | 261        | 0.0              | 0.183           | 1.0               | 34.6              | 63.0              | -96.6             | 115.3             | 303               | 0.0               | 0.685             | 1.0               | 64.5              | -9.4              | -48.6             | 49.6              | 259               | 0.0               | 0.183             | 1.0 | 0.0 | 0.67  | 1.0 | 63.5 | -7.2  | -50.2 | 50.9 | 261 | 0.0   | 0.183 | 1.0 |
| 303        | 260        | 262        | 0.0              | 0.166           | 1.0               | 34.0              | 64.8              | -97.6             | 117.2             | 303               | 0.0               | 0.679             | 1.0               | 64.2              | -8.6              | -49.2             | 50.1              | 260               | 0.0               | 0.167             | 1.0 | 0.0 | 0.665 | 1.0 | 63.1 | -6.5  | -50.8 | 51.3 | 262 | 0.0   | 0.167 | 1.0 |
| 304        | 261        | 263        | 0.0              | 0.15            | 1.0               | 33.4              | 66.7              | -98.6             | 119.1             | 304               | 0.0               | 0.674             | 1.0               | 63.8              | -7.8              | -49.8             | 50.5              | 261               | 0.0               | 0.15              | 1.0 | 0.0 | 0.66  | 1.0 | 62.8 | -5.7  | -51.3 | 51.7 | 263 | 0.0   | 0.15  | 1.0 |
| 304        | 262        | 264        | 0.0              | 0.133           | 1.0               | 32.8              | 68.6              | -99.6             | 120.9             | 304               | 0.0               | 0.668             | 1.0               | 63.4              | -7.0              | -50.4             | 51.0              | 262               | 0.0               | 0.133             | 1.0 | 0.0 | 0.655 | 1.0 | 62.4 | -5.0  | -51.8 | 52.1 | 264 | 0.0   | 0.133 | 1.0 |
| 304        | 263        | 265        | 0.0              | 0.116           | 1.0               | 32.3              | 70.0              | -100.3            | 122.3             | 304               | 0.0               | 0.663             | 1.0               | 63.0              | -6.2              | -51.0             | 51.5              | 263               | 0.0               | 0.117             | 1.0 | 0.0 | 0.65  | 1.0 | 62.1 | -4.2  | -52.3 | 52.5 | 265 | 0.0   | 0.117 | 1.0 |
| 305        | 264        | 266        | 0.0              | 0.1             | 1.0               | 32.0              | 70.8              | -100.8            | 123.2             | 305               | 0.0               | 0.657             | 1.0               | 62.6              | -5.3              | -51.5             | 51.9              | 264               | 0.0               | 0.1               | 1.0 | 0.0 | 0.645 | 1.0 | 61.7 | -3.4  | -52.8 | 53.0 | 266 | 0.0   | 0.1   | 1.0 |
| 305        | 265        | 267        | 0.0              | 0.083           | 1.0               | 31.7              | 71.7              | -101.2            | 124.1             | 305               | 0.0               | 0.652             | 1.0               | 62.2              | -4.5              | -52.1             | 52.4              | 265               | 0.0               | 0.083             | 1.0 | 0.0 | 0.64  | 1.0 | 61.4 | -2.5  | -53.2 | 53.4 | 267 | 0.0   | 0.083 | 1.0 |
| 305        | 266        | 268        | 0.0              | 0.066           | 1.0               | 31.5              | 72.5              | -101.7            | 124.9             | 305               | 0.0               | 0.646             | 1.0               | 61.8              | -3.6              | -52.6             | 52.8              | 266               | 0.0               | 0.067             | 1.0 | 0.0 | 0.635 | 1.0 | 61.0 | -1.7  | -53.7 | 53.8 | 268 | 0.0   | 0.067 | 1.0 |
| 305        | 267        | 269        | 0.0              | 0.049           | 1.0               | 31.2              | 73.4              | -102.2            | 125.8             | 305               | 0.0               | 0.641             | 1.0               | 61.4              | -2.7              | -53.1             | 53.3              | 267               | 0.0               | 0.05              | 1.0 | 0.0 | 0.63  | 1.0 | 60.6 | -0.8  | -54.1 | 54.2 | 269 | 0.0   | 0.05  | 1.0 |
| 305        | 268        | 269        | 0.0              | 0.033           | 1.0               | 30.9              | 74.3              | -102.6            | 126.7             | 305               | 0.0               | 0.635             | 1.0               | 61.0              | -1.8              | -53.6             | 53.8              | 268               | 0.0               | 0.033             | 1.0 | 0.0 | 0.624 | 1.0 | 60.3 | 0.0   | -54.6 | 54.7 | 269 | 0.0   | 0.033 | 1.0 |
| 306        | 269        | 270        | 0.0              | 0.016           | 1.0               | 30.6              | 75.1              | -103.1            | 127.6             | 306               | 0.0               | 0.63              | 1.0               | 60.6              | -0.8              | -54.1             | 54.2              | 269               | 0.0               | 0.017             | 1.0 | 0.0 | 0.617 | 1.0 | 59.8 | 0.8   | -55.6 | 55.7 | 270 | 0.0   | 0.017 | 1.0 |
| 306        | 270        | 271        | 0.0              | 0.0             | 1.0               | 30.3              | 76.0              | -103.5            | 128.5             | 306               | 0.0               | 0.624             | 1.0               | 60.2              | 0.0               | -54.7             | 54.8              | 270               | 0.0               | 0.0               | 1.0 | 0.0 | 0.609 | 1.0 | 59.3 | 1.7   | -56.5 | 56.6 | 271 | 0.0   | 0.0   | 1.0 |
| 306        | 271        | 272        | 0.016            | 0.0             | 1.0               | 30.4              | 76.0              | -103.4            | 128.4             | 306               | 0.0               | 0.615             | 1.0               | 59.7              | 1.0               | -55.7             | 55.9              | 271               | 0.017             | 0.0               | 1.0 | 0.0 | 0.602 | 1.0 | 58.7 | 2.7   | -57.5 | 57.6 | 272 | 0.017 | 0.0   | 1.0 |
| 306        | 272        | 273        | 0.033            | 0.0             | 1.0               | 30.5              | 76.1              | -103.3            | 128.3             | 306               | 0.0               | 0.607             | 1.0               | 59.1              | 2.0               | -56.8             | 56.9              | 272               | 0.033             | 0.0               | 1.0 | 0.0 | 0.594 | 1.0 | 58.2 | 3.7   | -58.4 | 58.6 | 273 | 0.033 | 0.0   | 1.0 |
| 306        | 273        | 274        | 0.05             | 0.0             | 1.0               | 30.6              | 76.1              | -103.1            | 128.2             | 306               | 0.0               | 0.599             | 1.0               | 58.5              | 3.0               | -57.8             | 58.0              | 273               | 0.05              | 0.0               | 1.0 | 0.0 | 0.586 | 1.0 | 57.7 | 4.8   | -59.4 | 59.7 | 274 | 0.05  | 0.0   | 1.0 |
| 306        | 274        | 275        | 0.066            | 0.0             | 1.0               | 30.7              | 76.1              | -103.0            | 128.1             | 306               | 0.0               | 0.591             | 1.0               | 58.0              | 4.1               | -58.8             | 59.0              | 274               | 0.067             | 0.0               | 1.0 | 0.0 | 0.578 | 1.0 | 57.1 | 5.8   | -60.3 | 60.7 | 275 | 0.067 | 0.0   | 1.0 |
| 306        | 275        | 276        | 0.083            | 0.0             | 1.0               | 30.8              | 76.2              | -102.8            | 128.0             | 306               | 0.0               | 0.583             | 1.0               | 57.4              | 5.2               | -59.8             | 60.1              | 275               | 0.083             | 0.0               | 1.0 | 0.0 | 0.57  | 1.0 | 56.6 | 7.0   | -61.2 | 61.7 | 276 | 0.083 | 0.0   | 1.0 |
| 306        | 276        | 277        | 0.1              | 0.0             | 1.0               | 30.9              | 76.2              | -102.7            | 127.9             | 306               | 0.0               | 0.574             | 1.0               | 56.9              | 6.4               | -60.7             | 61.2              | 276               | 0.1               | 0.0               | 1.0 | 0.0 | 0.563 | 1.0 | 56.1 | 8.1   | -62.0 | 62.7 | 277 | 0.1   | 0.0   | 1.0 |
| 306        | 277        | 278        | 0.116            | 0.0             | 1.0               | 30.9              | 76.2              | -102.5            | 127.8             | 306               | 0.0               | 0.566             | 1.0               | 56.3              | 7.6               | -61.7             | 62.2              | 277               | 0.117             | 0.0               | 1.0 | 0.0 | 0.555 | 1.0 | 55.5 | 9.3   | -62.9 | 63.7 | 278 | 0.117 | 0.0   | 1.0 |
| 306        | 278        | 279        | 0.133            | 0.0             | 1.0               | 31.1              | 76.3              | -102.3            | 127.6             | 306               | 0.0               | 0.558             | 1.0               | 55.7              | 8.8               | -62.6             | 63.3              | 278               | 0.133             | 0.0               | 1.0 | 0.0 | 0.547 | 1.0 | 55.0 | 10.5  | -63.7 | 64.7 | 279 | 0.133 | 0.0   | 1.0 |
| 306        | 279        | 280        | 0.15             | 0.0             | 1.0               | 31.3              | 76.3              | -101.9            | 127.4             | 306               | 0.0               | 0.55              | 1.0               | 55.2              | 10.1              | -63.5             | 64.3              | 279               | 0.15              | 0.0               | 1.0 | 0.0 | 0.539 | 1.0 | 54.5 | 11.7  | -64.5 | 65.7 | 280 | 0.15  | 0.0   | 1.0 |
| 306        | 280        | 281        | 0.166            | 0.0             | 1.0               | 31.5              | 76.4              | -101.6            | 127.1             | 306               | 0.0               | 0.541             | 1.0               | 54.6              | 11.4              | -64.3             | 65.4              | 280               | 0.167             | 0.0               | 1.0 | 0.0 | 0.531 | 1.0 | 53.9 | 13.0  | -65.3 | 66.7 | 281 | 0.167 | 0.0   | 1.0 |
| 307        | 281        | 282        | 0.183            | 0.0             | 1.0               | 31.7              | 76.5              | -101.2            | 126.9             | 307               | 0.0               | 0.533             | 1.0               | 54.1              | 12.7              | -65.1             | 66.5              | 281               | 0.183             | 0.0               | 1.0 | 0.0 | 0.524 | 1.0 | 53.4 | 14.3  | -66.1 | 67.7 | 282 | 0.183 | 0.0   | 1.0 |
| 307        | 282        | 283        | 0.2              | 0.0             | 1.0               | 31.9              | 76.6              | -100.9            | 126.7             | 307               | 0.0               | 0.525             | 1.0               | 53.5              | 14.0              | -66.0             | 67.5              | 282               | 0.2               | 0.0               | 1.0 | 0.0 | 0.516 | 1.0 | 52.9 | 15.6  | -66.8 | 68.7 | 283 | 0.2   | 0.0   | 1.0 |
| 307        | 283        | 284        | 0.216            | 0.0             | 1.0               | 32.1              | 76.6              | -100.5            | 126.4             | 307               | 0.0               | 0.517             | 1.0               | 52.9              | 15.4              | -66.7             | 68.6              | 283               | 0.217             | 0.0               | 1.0 | 0.0 | 0.508 | 1.0 | 52.3 | 16.9  | -67.5 | 69.7 | 284 | 0.217 | 0.0   | 1.0 |
| 307        | 284        | 285        | 0.233            | 0.0             | 1.0               | 32.3              | 76.7              | -100.1            | 126.2             | 307               | 0.0               | 0.508             | 1.0               | 52.4              | 16.9              | -67.5             | 69.7              | 284               | 0.233             | 0.0               | 1.0 | 0.0 | 0.5   | 1.0 | 51.8 | 18.3  | -68.2 | 70.7 | 285 | 0.233 | 0.0   | 1.0 |
| 307        | 285        | 285        | 0.25             | 0.0             | 1.0               | 32.6              | 76.8              | -99.8             | 125.9             | 307               | 0.0               | 0.5               | 1.0               | 51.8              | 18.3              | -68.2             | 70.7              | 285               | 0.25              | 0.0               | 1.0 | 0.0 | 0.488 | 1.0 | 51.0 | 19.9  | -69.6 | 72.5 | 285 | 0.25  | 0.0   | 1.0 |
| 307        | 286        | 286        | 0.266            | 0.0             | 1.0               | 32.9              | 77.0              | -99.2             | 125.6             | 307               | 0.0               | 0.488             | 1.0               | 51.0              | 20.0              | -69.7             | 72.6              | 286               | 0.267             | 0.0               | 1.0 | 0.0 | 0.476 | 1.0 | 50.3 | 21.6  | -71.0 | 74.3 | 286 | 0.267 | 0.0   | 1.0 |
| 308        | 287        | 287        | 0.283            | 0.0             | 1.0               | 33.2              | 77.1              | -98.6             | 125.2             | 308               | 0.0               | 0.475             | 1.0               | 50.2              | 21.8              | -71.2             | 74.5              | 287               | 0.283             | 0.0               | 1.0 | 0.0 | 0.464 | 1.0 | 49.5 | 23.3  | -72.4 | 76.1 | 287 | 0.283 | 0.0   | 1.0 |
| 308        | 288        | 288        | 0.3              | 0.0             | 1.0               | 33.6              | 77.3              | -98.1             | 124.9             | 308               | 0.0               | 0.462             | 1.0               | 49.4              | 23.6              | -72.6             | 76.4              | 288               | 0.3               | 0.0               | 1.0 | 0.0 | 0.452 | 1.0 | 48.8 | 25.1  | -73.7 | 77.9 | 288 | 0.3   | 0.0   | 1.0 |
| 308        | 289        | 289        | 0.316            | 0.0             | 1.0               | 33.9              | 77.4              | -97.5             | 124.5             | 308               | 0.0               | 0.4               |                   |                   |                   |                   |                   |                   |                   |                   |     |     |       |     |      |       |       |      |     |       |       |     |

Data of Maximum color M in colorimetric system sRGB standard device; no separation, D65 for input or output; Six hue angles of the 60 degree standard colours  $RYGBM_s$ :  $h_{ab,ds} = 30.0, 90.0, 150.0, 210.0, 270.0, 330.0$ ;  
Six hue angles of the device colours  $RYGCBM_d$ :  $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours  $RYGBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours $RYGCBM_d$ : $h_{ab,d} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$ ; Six hue angles of the elementary colours $RYGCBM_e$ : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                            |                   |                              |                   |                   |                              |                   |                   |                   |                   |       |       |        |       |       |       |       |       |       |       |       |      |       |        |       |       |       |     |       |     |     |     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|----------------------------|-------------------|------------------------------|-------------------|-------------------|------------------------------|-------------------|-------------------|-------------------|-------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|--------|-------|-------|-------|-----|-------|-----|-----|-----|
| $h_{ab,d}$                                                                                                                                                                                                         | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{d361Mi}$ (x=LabCh) | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ |       |       |        |       |       |       |       |       |       |       |       |      |       |        |       |       |       |     |       |     |     |     |
| 311                                                                                                                                                                                                                | 300        | 300        | 0.5              | 0.0                        | 1.0               | 38.5                         | 79.8              | -89.7             | 120.0                        | 311               | 0.0               | 0.274             | 1.0               | 38.4  | 52.2  | -90.4  | 104.5 | 300   | 0.5   | 0.0   | 1.0   | 0.0   | 0.27  | 1.0   | 38.2 | 52.8  | -90.6  | 105.0 | 300   | 0.5   | 0.0 | 1.0   |     |     |     |
| 312                                                                                                                                                                                                                | 301        | 301        | 0.516            | 0.0                        | 1.0               | 39.1                         | 80.2              | -88.7             | 119.6                        | 312               | 0.0               | 0.254             | 1.0               | 37.4  | 55.3  | -91.9  | 107.4 | 301   | 0.517 | 0.0   | 1.0   | 0.0   | 0.251 | 1.0   | 37.2 | 55.7  | -92.1  | 107.7 | 301   | 0.517 | 0.0 | 1.0   |     |     |     |
| 312                                                                                                                                                                                                                | 302        | 302        | 0.533            | 0.0                        | 1.0               | 39.6                         | 80.6              | -87.8             | 119.2                        | 312               | 0.0               | 0.222             | 1.0               | 36.1  | 58.8  | -94.1  | 111.0 | 302   | 0.533 | 0.0   | 1.0   | 0.0   | 0.22  | 1.0   | 36.0 | 59.1  | -94.2  | 111.3 | 302   | 0.533 | 0.0 | 1.0   |     |     |     |
| 312                                                                                                                                                                                                                | 303        | 303        | 0.55             | 0.0                        | 1.0               | 40.2                         | 80.9              | -86.9             | 118.8                        | 312               | 0.0               | 0.188             | 1.0               | 34.8  | 62.6  | -96.3  | 114.9 | 303   | 0.55  | 0.0   | 1.0   | 0.0   | 0.187 | 1.0   | 34.8 | 62.6  | -96.3  | 115.0 | 303   | 0.55  | 0.0 | 1.0   |     |     |     |
| 313                                                                                                                                                                                                                | 304        | 303        | 0.566            | 0.0                        | 1.0               | 40.7                         | 81.3              | -86.0             | 118.3                        | 313               | 0.0               | 0.153             | 1.0               | 33.5  | 66.4  | -98.4  | 118.8 | 304   | 0.567 | 0.0   | 1.0   | 0.0   | 0.154 | 1.0   | 33.6 | 66.3  | -98.3  | 118.6 | 303   | 0.567 | 0.0 | 1.0   |     |     |     |
| 313                                                                                                                                                                                                                | 305        | 304        | 0.583            | 0.0                        | 1.0               | 41.3                         | 81.6              | -85.1             | 117.9                        | 313               | 0.0               | 0.109             | 1.0               | 32.2  | 70.4  | -100.4 | 122.7 | 305   | 0.583 | 0.0   | 1.0   | 0.0   | 0.117 | 1.0   | 32.4 | 70.0  | -100.2 | 122.3 | 304   | 0.583 | 0.0 | 1.0   |     |     |     |
| 314                                                                                                                                                                                                                | 306        | 305        | 0.6              | 0.0                        | 1.0               | 41.8                         | 82.0              | -84.1             | 117.5                        | 314               | 0.0               | 0.024             | 1.0               | 30.8  | 74.8  | -102.8 | 127.2 | 306   | 0.6   | 0.0   | 1.0   | 0.0   | 0.036 | 1.0   | 31.0 | 74.2  | -102.5 | 126.6 | 305   | 0.6   | 0.0 | 1.0   |     |     |     |
| 314                                                                                                                                                                                                                | 307        | 306        | 0.616            | 0.0                        | 1.0               | 42.4                         | 82.3              | -83.2             | 117.0                        | 314               | 0.172             | 0.0               | 1.0               | 31.6  | 76.5  | -101.4 | 127.1 | 307   | 0.617 | 0.0   | 1.0   | 0.146 | 0.0   | 1.0   | 31.3 | 76.4  | -102.0 | 127.5 | 306   | 0.617 | 0.0 | 1.0   |     |     |     |
| 315                                                                                                                                                                                                                | 308        | 307        | 0.633            | 0.0                        | 1.0               | 43.0                         | 82.7              | -82.2             | 116.6                        | 315               | 0.282             | 0.0               | 1.0               | 33.2  | 77.2  | -98.6  | 125.3 | 308   | 0.633 | 0.0   | 1.0   | 0.263 | 0.0   | 1.0   | 32.9 | 77.0  | -99.3  | 125.7 | 307   | 0.633 | 0.0 | 1.0   |     |     |     |
| 315                                                                                                                                                                                                                | 309        | 308        | 0.65             | 0.0                        | 1.0               | 43.6                         | 83.2              | -81.2             | 116.3                        | 315               | 0.357             | 0.0               | 1.0               | 34.8  | 77.8  | -96.0  | 123.7 | 309   | 0.65  | 0.0   | 1.0   | 0.335 | 0.0   | 1.0   | 34.3 | 77.6  | -96.8  | 124.2 | 308   | 0.65  | 0.0 | 1.0   |     |     |     |
| 316                                                                                                                                                                                                                | 310        | 309        | 0.666            | 0.0                        | 1.0               | 44.2                         | 83.7              | -80.2             | 115.9                        | 316               | 0.414             | 0.0               | 1.0               | 36.2  | 78.6  | -93.6  | 122.3 | 310   | 0.667 | 0.0   | 1.0   | 0.396 | 0.0   | 1.0   | 35.8 | 78.3  | -94.4  | 122.8 | 309   | 0.667 | 0.0 | 1.0   |     |     |     |
| 316                                                                                                                                                                                                                | 311        | 310        | 0.683            | 0.0                        | 1.0               | 44.8                         | 84.1              | -79.2             | 115.5                        | 316               | 0.465             | 0.0               | 1.0               | 37.6  | 79.4  | -91.2  | 121.0 | 311   | 0.683 | 0.0   | 1.0   | 0.445 | 0.0   | 1.0   | 37.1 | 79.1  | -92.2  | 121.5 | 310   | 0.683 | 0.0 | 1.0   |     |     |     |
| 317                                                                                                                                                                                                                | 312        | 311        | 0.7              | 0.0                        | 1.0               | 45.4                         | 84.6              | -78.1             | 115.2                        | 317               | 0.513             | 0.0               | 1.0               | 39.0  | 80.1  | -88.9  | 119.8 | 312   | 0.7   | 0.0   | 1.0   | 0.493 | 0.0   | 1.0   | 38.4 | 79.8  | -89.9  | 120.3 | 311   | 0.7   | 0.0 | 1.0   |     |     |     |
| 317                                                                                                                                                                                                                | 313        | 312        | 0.716            | 0.0                        | 1.0               | 46.0                         | 85.0              | -77.1             | 114.8                        | 317               | 0.551             | 0.0               | 1.0               | 40.3  | 81.0  | -86.8  | 118.8 | 313   | 0.717 | 0.0   | 1.0   | 0.532 | 0.0   | 1.0   | 39.6 | 80.6  | -87.9  | 119.3 | 312   | 0.717 | 0.0 | 1.0   |     |     |     |
| 318                                                                                                                                                                                                                | 314        | 313        | 0.733            | 0.0                        | 1.0               | 46.6                         | 85.4              | -76.1             | 114.4                        | 318               | 0.59              | 0.0               | 1.0               | 41.6  | 81.8  | -84.6  | 117.8 | 314   | 0.733 | 0.0   | 1.0   | 0.569 | 0.0   | 1.0   | 40.8 | 81.4  | -85.8  | 118.3 | 313   | 0.733 | 0.0 | 1.0   |     |     |     |
| 318                                                                                                                                                                                                                | 315        | 314        | 0.75             | 0.0                        | 1.0               | 47.2                         | 85.8              | -75.1             | 114.0                        | 318               | 0.628             | 0.0               | 1.0               | 42.8  | 82.6  | -82.5  | 116.8 | 315   | 0.75  | 0.0   | 1.0   | 0.605 | 0.0   | 1.0   | 42.1 | 82.1  | -83.8  | 117.4 | 314   | 0.75  | 0.0 | 1.0   |     |     |     |
| 319                                                                                                                                                                                                                | 316        | 315        | 0.766            | 0.0                        | 1.0               | 47.9                         | 86.4              | -74.0             | 113.8                        | 319               | 0.66              | 0.0               | 1.0               | 44.0  | 83.5  | -80.6  | 116.1 | 316   | 0.767 | 0.0   | 1.0   | 0.639 | 0.0   | 1.0   | 43.2 | 82.9  | -81.8  | 116.6 | 315   | 0.767 | 0.0 | 1.0   |     |     |     |
| 320                                                                                                                                                                                                                | 317        | 316        | 0.783            | 0.0                        | 1.0               | 48.5                         | 87.0              | -72.9             | 113.5                        | 320               | 0.692             | 0.0               | 1.0               | 45.2  | 84.4  | -78.6  | 115.4 | 317   | 0.783 | 0.0   | 1.0   | 0.669 | 0.0   | 1.0   | 44.3 | 83.8  | -80.0  | 115.9 | 316   | 0.783 | 0.0 | 1.0   |     |     |     |
| 320                                                                                                                                                                                                                | 318        | 317        | 0.8              | 0.0                        | 1.0               | 49.2                         | 87.5              | -71.8             | 113.2                        | 320               | 0.724             | 0.0               | 1.0               | 46.3  | 85.2  | -76.6  | 114.7 | 318   | 0.8   | 0.0   | 1.0   | 0.699 | 0.0   | 1.0   | 45.4 | 84.6  | -78.1  | 115.2 | 317   | 0.8   | 0.0 | 1.0   |     |     |     |
| 321                                                                                                                                                                                                                | 319        | 318        | 0.816            | 0.0                        | 1.0               | 49.8                         | 88.1              | -70.7             | 113.0                        | 321               | 0.755             | 0.0               | 1.0               | 47.5  | 86.0  | -74.7  | 114.0 | 319   | 0.817 | 0.0   | 1.0   | 0.729 | 0.0   | 1.0   | 46.5 | 85.4  | -76.3  | 114.5 | 318   | 0.817 | 0.0 | 1.0   |     |     |     |
| 321                                                                                                                                                                                                                | 320        | 319        | 0.833            | 0.0                        | 1.0               | 50.5                         | 88.6              | -69.6             | 112.7                        | 321               | 0.783             | 0.0               | 1.0               | 48.6  | 87.0  | -72.9  | 113.6 | 320   | 0.833 | 0.0   | 1.0   | 0.758 | 0.0   | 1.0   | 47.6 | 86.2  | -74.5  | 114.0 | 319   | 0.833 | 0.0 | 1.0   |     |     |     |
| 322                                                                                                                                                                                                                | 321        | 320        | 0.85             | 0.0                        | 1.0               | 51.2                         | 89.1              | -68.5             | 112.4                        | 322               | 0.81              | 0.0               | 1.0               | 49.7  | 87.9  | -71.1  | 113.1 | 321   | 0.85  | 0.0   | 1.0   | 0.785 | 0.0   | 1.0   | 48.6 | 87.1  | -72.8  | 113.5 | 320   | 0.85  | 0.0 | 1.0   |     |     |     |
| 323                                                                                                                                                                                                                | 322        | 321        | 0.866            | 0.0                        | 1.0               | 51.8                         | 89.6              | -67.4             | 112.1                        | 323               | 0.838             | 0.0               | 1.0               | 50.7  | 88.8  | -69.3  | 112.7 | 322   | 0.867 | 0.0   | 1.0   | 0.811 | 0.0   | 1.0   | 49.7 | 87.9  | -71.0  | 113.1 | 321   | 0.867 | 0.0 | 1.0   |     |     |     |
| 323                                                                                                                                                                                                                | 323        | 321        | 0.883            | 0.0                        | 1.0               | 52.5                         | 90.1              | -66.3             | 111.9                        | 323               | 0.866             | 0.0               | 1.0               | 51.8  | 89.6  | -67.4  | 112.2 | 323   | 0.883 | 0.0   | 1.0   | 0.837 | 0.0   | 1.0   | 50.7 | 88.8  | -69.3  | 112.7 | 321   | 0.883 | 0.0 | 1.0   |     |     |     |
| 324                                                                                                                                                                                                                | 324        | 322        | 0.9              | 0.0                        | 1.0               | 53.2                         | 90.8              | -65.2             | 111.8                        | 324               | 0.892             | 0.0               | 1.0               | 52.9  | 90.5  | -65.7  | 111.9 | 324   | 0.9   | 0.0   | 1.0   | 0.864 | 0.0   | 1.0   | 51.7 | 89.5  | -67.6  | 112.2 | 322   | 0.9   | 0.0 | 1.0   |     |     |     |
| 324                                                                                                                                                                                                                | 325        | 323        | 0.916            | 0.0                        | 1.0               | 53.8                         | 91.4              | -64.1             | 111.6                        | 324               | 0.918             | 0.0               | 1.0               | 53.9  | 91.5  | -64.0  | 111.7 | 325   | 0.917 | 0.0   | 1.0   | 0.889 | 0.0   | 1.0   | 52.8 | 90.4  | -65.9  | 111.9 | 323   | 0.917 | 0.0 | 1.0   |     |     |     |
| 325                                                                                                                                                                                                                | 326        | 324        | 0.933            | 0.0                        | 1.0               | 54.5                         | 92.0              | -62.9             | 111.5                        | 325               | 0.943             | 0.0               | 1.0               | 55.0  | 92.4  | -62.2  | 111.5 | 326   | 0.933 | 0.0   | 1.0   | 0.913 | 0.0   | 1.0   | 53.7 | 91.3  | -64.3  | 111.7 | 324   | 0.933 | 0.0 | 1.0   |     |     |     |
| 326                                                                                                                                                                                                                | 327        | 325        | 0.95             | 0.0                        | 1.0               | 55.2                         | 92.6              | -61.8             | 111.4                        | 326               | 0.969             | 0.0               | 1.0               | 56.0  | 93.3  | -60.5  | 111.3 | 327   | 0.95  | 0.0   | 1.0   | 0.937 | 0.0   | 1.0   | 54.7 | 92.2  | -62.6  | 111.5 | 325   | 0.95  | 0.0 | 1.0   |     |     |     |
| 326                                                                                                                                                                                                                | 328        | 326        | 0.966            | 0.0                        | 1.0               | 55.9                         | 93.2              | -60.7             | 111.2                        | 326               | 0.994             | 0.0               | 1.0               | 57.1  | 94.2  | -58.7  | 111.0 | 328   | 0.967 | 0.0   | 1.0   | 0.961 | 0.0   | 1.0   | 55.7 | 93.1  | -61.0  | 111.3 | 326   | 0.967 | 0.0 | 1.0   |     |     |     |
| 327                                                                                                                                                                                                                | 329        | 327        | 0.983            | 0.0                        | 1.0               | 56.6                         | 93.8              | -59.5             | 111.1                        | 327               | 1.0               | 0.0               | 0.984             | 57.1  | 93.9  | -56.4  | 109.6 | 329   | 0.983 | 0.0   | 1.0   | 0.985 | 0.0   | 1.0   | 56.7 | 93.9  | -59.3  | 111.1 | 327   | 0.983 | 0.0 | 1.0   |     |     |     |
| 328                                                                                                                                                                                                                | 330        | 328        | 1.0              | 0.0                        | 1.0               | 57.2                         | 94.3              | -58.4             | 110.9                        | 328               | $M_d$             | 1.0               | 0.0               | 0.962 | 56.8  | 93.4   | -53.8 | 107.8 | 330   | $M_s$ | 1.0   | 0.0   | 1.0   | 1.0   | 0.0  | 0.992 | 57.2   | 94.2  | -57.4 | 110.3 | 328 | $M_e$ | 1.0 | 0.0 | 1.0 |
| 329                                                                                                                                                                                                                | 331        | 329        | 1.0              | 0.0                        | 0.983             | 57.0                         | 93.9              | -56.4             | 109.5                        | 329               | 1.0               | 0.0               | 0.941             | 56.5  | 92.7  | -51.3  | 106.0 | 331   | 1.0   | 0.0   | 0.983 | 1.0   | 0.0   | 0.972 | 56.9 | 93.6  | -54.9  | 108.6 | 329   | 1.0   | 0.0 | 0.983 |     |     |     |
| 329                                                                                                                                                                                                                | 332        | 330        | 1.0              | 0.0                        | 0.966             | 56.8                         | 93.4              | -54.4             | 108.1                        | 329               | 1.0               | 0.0               | 0.919             | 56.2  | 92.0  | -48.8  | 104.2 | 332   | 1.0   | 0.0   | 0.967 | 1.0   | 0.0   | 0.951 | 56.7 | 93.0  | -52.5  | 106.9 | 330   | 1.0   | 0.0 | 0.967 |     |     |     |
| 330                                                                                                                                                                                                                | 333        | 331        | 1.0              | 0.0                        | 0.95              | 56.6                         | 92.9              | -52.4             | 106.7                        | 330               | 1.0               | 0.0               | 0.898             | 55.9  | 91.29 |        |       |       |       |       |       |       |       |       |      |       |        |       |       |       |     |       |     |     |     |

TUB materiale: code=rha4ta

|              |          |                                                                                                                        |                                                                |
|--------------|----------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| 4-1131230-L0 | SI120-73 | LAB*la0, YN=0%, XYZ <sub>znw</sub> =0.0, 0.0, 0.0, 84.2, 88.6, 96.5, LAB* <sub>nw</sub> =0.0, 0.0, 0.0, 95.4, 0.0, 0.0 | uscita: sRGB standard device; no separation, D65, pagina 13/29 |
|--------------|----------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
 =  $155RGB$ -linearizzazione a  $rgb^*_{de}$

uscita: sRGB standard device; no separation, D65, pagina 13/29

vedere dei file simili: <http://130.149.60.45/~farbmetrik/SI12/SI12L0FP.PDF> /.PS  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

| n/j    | 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsiM <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |
|--------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------------------------|---------------------|-----------------------|
| 0/648  | R00Y_100_100de      | 1.0 0.0 0.0         | 1.0 1.0 0.5         | 390                 | 1.0 0.0 0.263       | 50.9 78.3 37.3        | 86.7 25.4           | 1.0 0.0 0.264         | 50.9 78.1 37.1                        | 86.5 25.4           | 0.2 375               |
| 1/657  | R13Y_100_100de      | 1.0 0.125 0.0       | 1.0 1.0 0.5         | 37                  | 1.0 0.0 0.156       | 50.6 77.6 50.9        | 92.9 33.2           | 1.0 0.0 0.157         | 50.6 77.3 51.2                        | 92.8 33.5           | 0.4 381               |
| 2/666  | R25Y_100_100de      | 1.0 0.25 0.0        | 1.0 1.0 0.5         | 44                  | 1.0 0.102 0.0       | 51.3 74.4 64.8        | 98.7 41.0           | 0.999 0.102 0.0       | 51.2 74.7 64.8                        | 98.9 40.9           | 0.2 35                |
| 3/675  | R38Y_100_100de      | 1.0 0.375 0.0       | 1.0 1.0 0.5         | 52                  | 1.0 0.358 0.0       | 57.6 56.9 67.8        | 88.5 49.9           | 0.999 0.359 0.0       | 57.6 57.0 67.6                        | 88.4 49.8           | 0.1 50                |
| 4/684  | R50Y_100_100de      | 1.0 0.5 0.0         | 1.0 1.0 0.5         | 60                  | 1.0 0.487 0.0       | 63.1 42.7 70.8        | 82.7 58.8           | 0.999 0.489 0.0       | 63.1 42.6 70.7                        | 82.5 58.9           | 0.1 59                |
| 5/693  | R63Y_100_100de      | 1.0 0.625 0.0       | 1.0 1.0 0.5         | 68                  | 1.0 0.589 0.0       | 68.2 30.2 74.2        | 80.1 67.8           | 1.0 0.588 0.0         | 68.1 30.4 73.7                        | 79.8 67.5           | 0.4 65                |
| 6/702  | R75Y_100_100de      | 1.0 0.75 0.0        | 1.0 1.0 0.5         | 76                  | 1.0 0.684 0.0       | 73.5 18.3 77.7        | 79.8 76.7           | 1.0 0.682 0.0         | 73.3 18.4 77.1                        | 79.3 76.5           | 0.5 72                |
| 7/711  | R88Y_100_100de      | 1.0 0.875 0.0       | 1.0 1.0 0.5         | 83                  | 1.0 0.767 0.0       | 78.3 7.7 80.7         | 81.0 84.5           | 1.0 0.766 0.0         | 78.2 7.7 80.4                         | 80.8 84.4           | 0.2 77                |
| 8/720  | Y00G_100_100de      | 1.0 1.0 0.0         | 1.0 1.0 0.5         | 90                  | 1.0 0.856 0.0       | 83.7 -3.4 84.5        | 84.5 92.3           | 1.0 0.856 0.0         | 83.6 -3.4 84.2                        | 84.3 92.3           | 0.2 82                |
| 9/639  | Y13G_100_100de      | 0.875 1.0 0.0       | 1.0 1.0 0.5         | 97                  | 1.0 0.966 0.0       | 90.5 -16.5 89.4       | 91.0 100.4          | 1.0 0.966 0.0         | 90.5 -16.7 89.1                       | 90.7 100.6          | 0.3 88                |
| 10/558 | Y25G_100_100de      | 0.75 1.0 0.0        | 1.0 1.0 0.5         | 104                 | 0.906 1.0 0.0       | 91.0 -29.9 88.9       | 93.8 108.6          | 0.906 1.0 0.0         | 90.9 -30.0 88.7                       | 93.6 108.6          | 0.2 94                |
| 11/477 | Y38G_100_100de      | 0.625 1.0 0.0       | 1.0 1.0 0.5         | 112                 | 0.743 1.0 0.0       | 88.4 -45.5 85.7       | 97.1 117.9          | 0.742 0.999 0.0       | 88.4 -45.6 85.7                       | 97.0 118.0          | 0.1 104               |
| 12/396 | Y50G_100_100de      | 0.5 1.0 0.0         | 1.0 1.0 0.5         | 120                 | 0.528 1.0 0.0       | 85.9 -63.0 82.8       | 104.1 127.2         | 0.53 0.999 0.0        | 85.9 -63.0 82.7                       | 104.0 127.3         | 0.1 118               |
| 13/315 | Y63G_100_100de      | 0.375 1.0 0.0       | 1.0 1.0 0.5         | 128                 | 0.0 1.0 0.072       | 83.6 -82.4 77.9       | 113.4 136.5         | 0.005 1.0 0.072       | 83.6 -82.3 78.4                       | 113.7 136.4         | 0.4 153               |
| 14/234 | Y75G_100_100de      | 0.25 1.0 0.0        | 1.0 1.0 0.5         | 136                 | 0.0 1.0 0.436       | 84.1 -76.0 51.4       | 91.8 145.9          | 0.0 1.0 0.439         | 84.1 -75.8 51.4                       | 91.6 145.8          | 0.1 175               |
| 15/153 | Y88G_100_100de      | 0.125 1.0 0.0       | 1.0 1.0 0.5         | 143                 | 0.0 1.0 0.593       | 84.6 -70.0 34.0       | 77.9 154.0          | 0.0 1.0 0.594         | 84.6 -69.9 34.2                       | 77.8 153.9          | 0.2 186               |
| 16/72  | G00C_100_100de      | 0.0 1.0 0.0         | 1.0 1.0 0.5         | 150                 | 0.0 1.0 0.706       | 85.1 -64.6 20.7       | 67.9 162.2          | 0.0 1.0 0.707         | 85.1 -64.3 20.9                       | 67.6 162.0          | 0.3 193               |
| 17/73  | G13C_100_100de      | 0.0 1.0 0.125       | 1.0 1.0 0.5         | 157                 | 0.0 1.0 0.778       | 85.5 -60.7 12.2       | 61.9 168.6          | 0.0 1.0 0.779         | 85.5 -60.3 12.3                       | 61.5 168.4          | 0.3 197               |
| 18/74  | G25C_100_100de      | 0.0 1.0 0.25        | 1.0 1.0 0.5         | 164                 | 0.0 1.0 0.838       | 85.8 -57.1 4.9        | 57.3 175.0          | 0.0 1.0 0.841         | 85.8 -56.6 5.0                        | 56.9 174.8          | 0.4 201               |
| 19/75  | G38C_100_100de      | 0.0 1.0 0.375       | 1.0 1.0 0.5         | 172                 | 0.0 1.0 0.899       | 86.2 -53.2 -2.1       | 53.3 182.3          | 0.0 1.0 0.901         | 86.2 -52.8 -2.0                       | 52.8 182.2          | 0.4 204               |
| 20/76  | G50C_100_100de      | 0.0 1.0 0.5         | 1.0 1.0 0.5         | 180                 | 0.0 1.0 0.951       | 86.5 -49.9 -8.4       | 50.6 189.6          | 0.0 1.0 0.955         | 86.5 -49.2 -8.4                       | 49.9 189.6          | 0.6 207               |
| 21/77  | G63C_100_100de      | 0.0 1.0 0.625       | 1.0 1.0 0.5         | 188                 | 0.0 0.997 1.0       | 86.6 -45.9 -13.9      | 47.9 196.9          | 0.0 0.997 1.0         | 86.6 -45.8 -13.8                      | 47.9 196.8          | 0.1 210               |
| 22/78  | G75C_100_100de      | 0.0 1.0 0.75        | 1.0 1.0 0.5         | 196                 | 0.0 0.958 1.0       | 83.9 -42.0 -18.9      | 46.1 204.2          | 0.0 0.959 1.0         | 83.9 -41.8 -17.9                      | 45.4 203.1          | 1.0 212               |
| 23/79  | G88C_100_100de      | 0.0 1.0 0.875       | 1.0 1.0 0.5         | 203                 | 0.0 0.924 1.0       | 81.4 -38.3 -22.6      | 44.5 210.5          | 0.0 0.925 1.0         | 81.5 -38.0 -21.5                      | 43.7 209.5          | 1.1 213               |
| 24/80  | C00B_100_100de      | 0.0 1.0 1.0         | 1.0 1.0 0.5         | 210                 | 0.0 0.89 1.0        | 79.0 -34.2 -25.7      | 42.8 216.9          | 0.0 0.89 1.0          | 79.0 -34.1 -25.3                      | 42.5 216.6          | 0.4 215               |
| 25/71  | C13B_100_100de      | 0.0 0.875 1.0       | 1.0 1.0 0.5         | 217                 | 0.0 0.858 1.0       | 76.8 -30.8 -29.1      | 42.4 223.3          | 0.0 0.859 1.0         | 76.8 -30.5 -28.7                      | 41.9 223.2          | 0.5 217               |
| 26/62  | C25B_100_100de      | 0.0 0.75 1.0        | 1.0 1.0 0.5         | 224                 | 0.0 0.829 1.0       | 74.7 -27.7 -32.7      | 42.8 229.7          | 0.0 0.831 1.0         | 74.8 -27.1 -31.8                      | 41.8 229.5          | 1.0 219               |
| 27/53  | C38B_100_100de      | 0.0 0.625 1.0       | 1.0 1.0 0.5         | 232                 | 0.0 0.796 1.0       | 72.4 -23.6 -36.4      | 43.4 237.0          | 0.0 0.797 1.0         | 72.5 -23.0 -35.4                      | 42.3 236.9          | 1.0 221               |
| 28/44  | C50B_100_100de      | 0.0 0.5 1.0         | 1.0 1.0 0.5         | 240                 | 0.0 0.763 1.0       | 70.0 -19.0 -39.6      | 43.9 244.3          | 0.0 0.763 1.0         | 70.0 -18.7 -39.3                      | 43.5 244.4          | 0.4 223               |
| 29/35  | C63B_100_100de      | 0.0 0.375 1.0       | 1.0 1.0 0.5         | 248                 | 0.0 0.725 1.0       | 67.4 -14.5 -43.8      | 46.2 251.6          | 0.0 0.726 1.0         | 67.4 -13.9 -43.3                      | 45.5 252.1          | 0.7 225               |
| 30/26  | C75B_100_100de      | 0.0 0.25 1.0        | 1.0 1.0 0.5         | 256                 | 0.0 0.685 1.0       | 64.5 -9.4 -48.6       | 49.5 258.9          | 0.0 0.686 1.0         | 64.6 -8.7 -47.7                       | 48.5 259.6          | 1.1 227               |
| 31/17  | C88B_100_100de      | 0.0 0.125 1.0       | 1.0 1.0 0.5         | 263                 | 0.0 0.649 1.0       | 62.0 -4.2 -52.3       | 52.5 265.3          | 0.0 0.65 1.0          | 62.0 -3.7 -51.8                       | 48.1 265.9          | 0.7 230               |
| 32/8   | B00M_100_100de      | 0.0 0.0 1.0         | 1.0 1.0 0.5         | 270                 | 0.0 0.609 1.0       | 59.2 1.7 -56.6        | 56.6 271.7          | 0.0 0.609 1.0         | 59.2 2.0 -56.3                        | 56.3 272.1          | 0.4 232               |
| 33/89  | B13M_100_100de      | 0.125 0.0 1.0       | 1.0 1.0 0.5         | 277                 | 0.0 0.554 1.0       | 55.5 9.2 -63.0        | 63.6 278.3          | 0.0 0.557 1.0         | 55.6 9.6 -62.0                        | 62.7 278.8          | 1.0 236               |
| 34/170 | B25M_100_100de      | 0.25 0.0 1.0        | 1.0 1.0 0.5         | 284                 | 0.0 0.5 1.0         | 51.8 18.3 -68.3       | 70.7 285.0          | 0.0 0.502 1.0         | 51.9 18.0 -68.0                       | 70.4 284.8          | 0.3 239               |
| 35/251 | B38M_100_100de      | 0.375 0.0 1.0       | 1.0 1.0 0.5         | 292                 | 0.0 0.404 1.0       | 45.7 32.7 -78.6       | 85.1 292.5          | 0.0 0.407 1.0         | 45.8 32.6 -78.0                       | 84.5 292.7          | 0.6 246               |
| 36/332 | B50M_100_100de      | 0.5 0.0 1.0         | 1.0 1.0 0.5         | 300                 | 0.0 0.27 1.0        | 38.2 52.7 -90.7       | 104.9 300.1         | 0.0 0.272 1.0         | 38.2 52.8 -90.5                       | 104.8 300.2         | 0.2 254               |
| 37/413 | B63M_100_100de      | 0.625 0.0 1.0       | 1.0 1.0 0.5         | 308                 | 0.263 0.0 1.0       | 32.8 76.9 -99.3       | 125.7 307.7         | 0.264 0.0 0.999       | 32.8 76.9 -99.4                       | 125.7 307.7         | 0.0 284               |
| 38/494 | B75M_100_100de      | 0.75 0.0 1.0        | 1.0 1.0 0.5         | 316                 | 0.638 0.0 1.0       | 43.2 82.9 -81.9       | 116.5 315.3         | 0.637 0.0 1.0         | 43.1 82.8 -82.0                       | 116.5 315.2         | 0.1 309               |
| 39/575 | B88M_100_100de      | 0.875 0.0 1.0       | 1.0 1.0 0.5         | 323                 | 0.837 0.0 1.0       | 50.7 88.7 -69.4       | 112.6 321.9         | 0.837 0.0 1.0         | 50.6 88.6 -69.4                       | 112.5 321.9         | 0.1 321               |
| 40/656 | M00R_100_100de      | 1.0 0.0 1.0         | 1.0 1.0 0.5         | 330                 | 1.0 0.0 0.991       | 57.1 94.1 -57.4       | 110.3 328.6         | 1.0 0.0 0.991         | 57.1 94.0 -57.4                       | 110.2 328.5         | 0.0 330               |
| 41/655 | M13R_100_100de      | 1.0 0.0 0.875       | 1.0 1.0 0.5         | 337                 | 1.0 0.0 0.855       | 55.4 89.9 -41.4       | 99.0 335.2          | 1.0 0.0 0.854         | 55.3 89.7 -41.4                       | 98.8 335.1          | 0.2 337               |
| 42/654 | M25R_100_100de      | 1.0 0.0 0.75        | 1.0 1.0 0.5         | 344                 | 1.0 0.0 0.747       | 54.1 86.7 -28.3       | 91.2 341.8          | 1.0 0.0 0.746         | 54.1 86.6 -28.2                       | 91.1 341.9          | 0.1 344               |
| 43/653 | M38R_100_100de      | 1.0 0.0 0.625       | 1.0 1.0 0.5         | 352                 | 1.0 0.0 0.65        | 53.2 84.5 -15.7       | 85.9 349.4          | 1.0 0.0 0.647         | 53.2 84.1 -15.6                       | 85.6 349.4          | 0.3 350               |
| 44/652 | M50R_100_100de      | 1.0 0.0 0.5         | 1.0 1.0 0.5         | 360                 | 1.0 0.0 0.617       | 52.9 83.6 -11.6       | 84.4 352.0          | 1.0 0.0 0.616         | 52.9 83.4 -11.5                       | 84.2 352.1          | 0.1 352               |
| 45/651 | M63R_100_100de      | 1.0 0.0 0.375       | 1.0 1.0 0.5         | 368                 | 1.0 0.0 0.521       | 52.2 81.8 1.3         | 81.8 0.9            | 1.0 0.0 0.522         | 52.2 81.5 1.1                         | 81.5 0.7            | 0.3 358               |
| 46/650 | M75R_100_100de      | 1.0 0.0 0.25        | 1.0 1.0 0.5         | 376                 | 1.0 0.0 0.429       | 51.6 80.5 14.0        | 81.7 9.8            | 1.0 0.0 0.431         | 51.6 80.0 13.7                        | 81.2 9.7            | 0.6 364               |
| 47/649 | M88R_100_100de      | 1.0 0.0 0.125       | 1.0 1.0 0.5         | 383                 | 1.0 0.0 0.348       | 51.2 79.3 25.2        | 83.2 17.6           | 1.0 0.0 0.35          | 51.2 78.9 25.0                        | 82.8 17.6           | 0.3 369               |
| 48/648 | R00Y_100_100de      | 1.0 0.0 0.0         | 1.0 1.0 0.5         | 390                 | 1.0 0.0 0.263       | 50.9 78.3 37.3        | 86.7 25.4           | 1.0 0.0 0.264         | 50.9 78.1 37.1                        | 86.5 25.4           | 0.2 375               |
| 49/0   | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 360                 | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0             | 0.0 0.0 0.0           | 0.0 0.0 0.0                           | 0.0 0.0             | 0.0 360               |
| 50/91  | NW_013de            | 0.125 0.125 0.125   | 0.125 0.0 0.125     | 360                 | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.0 0.0             | 0.129 0.132 0.132     | 11.9 -0.2 0.0                         | 0.2 198.6           | 0.2 360               |
| 51/182 | NW_025de            | 0.25 0.25 0.25      | 0.25 0.0 0.25       | 360                 | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.0 0.0             | 0.232 0.236 0.237     | 23.7 -0.4 -0.2                        | 0.4 207.2           | 0.4 360               |
| 52/273 | NW_038de            | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.0 0.0             | 0.345 0.35 0.35       | 35.7 -0.4 -0.2                        | 0.5 205.6           | 0.5 360               |
| 53/364 | NW_050de            | 0.5 0.5 0.5         | 0.5 0.0 0.5         | 360                 | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.0 0.0             | 0.466 0.47 0.471      | 47.7 -0.3 -0.1                        | 0.4 205.6           | 0.4 360               |
| 54/455 | NW_063de            | 0.625 0.625 0.625   | 0.625 0.0 0.625     | 360                 | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.0 0.0             | 0.559 0.593 0.594     | 59.4 -0.2 -0.1                        | 0.3 206.3           | 0.3 360               |
| 55/546 | NW_075de            | 0.75 0.75 0.75      | 0.75 0.0 0.75       | 360                 | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.0 0.0             | 0.721 0.724 0.724     | 71.3 -0.1 0.0                         | 0.2 207.8           | 0.2 360               |
| 56/637 | NW_088de            | 0.875 0.875 0.875   | 0.875 0.0 0.875     | 360                 | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.0 0.0             | 0.858 0.86 0.86       | 83.3 0.0 0.0                          | 0.1 212.6           | 0.1 360               |
| 57/728 | NW_100de            | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 0.0 0.0             | 1.0 1.0 1.0           | 95.4 0.0 0.0                          | 0.0 325.2           | 0.0 360               |

delta E\* = 0.4

grafico TUB-SI12; 1080 colori standard  
colori e la differenza,  $\Delta E^*$ , 3D=1, de=1, sRGB\*

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
uscita: 3D-linearizzazione a  $rgb^*_{de}$

vedere dei file simili: <http://130.149.60.45/~farbmetrik/SI12/SI12.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

| n/j    | 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsiM <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |
|--------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------------------------|---------------------|-----------------------|
| 0/648  | R00Y_100_100de      | 1.0 0.0 0.0         | 1.0 1.0 0.5         | 390                 | 1.0 0.0 0.263       | 50.9 78.3 37.3        | 86.7 25.4           | 1.0 0.0 0.264         | 50.9 78.1 37.1                        | 86.5 25.4           | 0.2 375               |
| 1/666  | R25Y_100_100de      | 1.0 0.25 0.0        | 1.0 1.0 0.5         | 44                  | 1.0 0.102 0.0       | 51.3 74.4 64.8        | 98.7 41.0           | 0.999 0.102 0.0       | 51.2 74.7 64.8                        | 98.9 40.9           | 0.2 35                |
| 2/684  | R50Y_100_100de      | 1.0 0.5 0.0         | 1.0 1.0 0.5         | 60                  | 1.0 0.487 0.0       | 63.1 42.7 70.8        | 82.7 58.8           | 0.999 0.489 0.0       | 63.1 42.6 70.7                        | 82.5 58.9           | 0.1 59                |
| 3/702  | R75Y_100_100de      | 1.0 0.75 0.0        | 1.0 1.0 0.5         | 76                  | 1.0 0.684 0.0       | 73.5 18.3 77.7        | 79.8 76.7           | 1.0 0.682 0.0         | 73.3 18.4 77.1                        | 79.3 76.5           | 0.5 72                |
| 4/720  | Y00G_100_100de      | 1.0 1.0 0.0         | 1.0 1.0 0.5         | 90                  | 1.0 0.856 0.0       | 83.7 -3.4 84.5        | 84.5 92.3           | 1.0 0.856 0.0         | 83.6 -3.4 84.2                        | 84.3 92.3           | 0.2 82                |
| 5/558  | Y25G_100_100de      | 0.75 1.0 0.0        | 1.0 1.0 0.5         | 104                 | 0.906 1.0 0.0       | 91.0 -29.9 88.9       | 93.8 108.6          | 0.906 1.0 0.0         | 90.9 -30.0 88.7                       | 93.6 108.6          | 0.2 94                |
| 6/396  | Y50G_100_100de      | 0.5 1.0 0.0         | 1.0 1.0 0.5         | 120                 | 0.528 1.0 0.0       | 85.9 -63.0 82.8       | 104.1 127.2         | 0.53 0.999 0.0        | 85.9 -63.0 82.7                       | 104.0 127.3         | 0.1 118               |
| 7/234  | Y75G_100_100de      | 0.25 1.0 0.0        | 1.0 1.0 0.5         | 136                 | 0.0 1.0 0.436       | 84.1 -76.0 51.4       | 91.8 145.9          | 0.0 1.0 0.439         | 84.1 -75.8 51.4                       | 91.6 145.8          | 0.1 175               |
| 8/72   | G00B_100_100de      | 0.0 1.0 0.0         | 1.0 1.0 0.5         | 150                 | 0.0 1.0 0.706       | 85.1 -64.6 20.7       | 67.9 162.2          | 0.0 1.0 0.707         | 85.1 -64.3 20.9                       | 67.6 162.0          | 0.3 193               |
| 9/72   | G00B_100_100de      | 0.0 1.0 0.0         | 1.0 1.0 0.5         | 150                 | 0.0 1.0 0.706       | 85.1 -64.6 20.7       | 67.9 162.2          | 0.0 1.0 0.707         | 85.1 -64.3 20.9                       | 67.6 162.0          | 0.3 193               |
| 10/76  | G25B_100_100de      | 0.0 1.0 0.5         | 1.0 1.0 0.5         | 180                 | 0.0 1.0 0.951       | 86.5 -49.9 -8.4       | 50.6 189.6          | 0.0 1.0 0.955         | 86.5 -49.2 -8.4                       | 49.9 189.6          | 0.6 207               |
| 11/80  | G50B_100_100de      | 0.0 1.0 1.0         | 1.0 1.0 0.5         | 210                 | 0.0 0.89 1.0        | 79.0 -34.2 -25.7      | 42.8 216.9          | 0.0 0.89 1.0          | 79.0 -34.1 -25.3                      | 42.5 216.6          | 0.4 215               |
| 12/44  | G75B_100_100de      | 0.0 0.5 1.0         | 1.0 1.0 0.5         | 240                 | 0.0 0.763 1.0       | 70.0 -19.0 -39.6      | 43.9 244.3          | 0.0 0.763 1.0         | 70.0 -18.7 -39.3                      | 43.5 244.5          | 0.4 223               |
| 13/8   | B00M_100_100de      | 0.0 0.0 1.0         | 1.0 1.0 0.5         | 270                 | 0.0 0.609 1.0       | 59.2 1.7 -56.6        | 56.6 271.7          | 0.0 0.609 1.0         | 59.2 2.0 -56.3                        | 56.3 272.1          | 0.4 232               |
| 14/332 | B25R_100_100de      | 0.5 0.0 1.0         | 1.0 1.0 0.5         | 300                 | 0.0 0.27 1.0        | 38.2 52.7 -90.7       | 104.9 300.1         | 0.0 0.272 1.0         | 38.2 52.8 -90.5                       | 104.8 300.2         | 0.2 254               |
| 15/656 | B50R_100_100de      | 1.0 0.0 1.0         | 1.0 1.0 0.5         | 330                 | 1.0 0.0 0.991       | 57.1 94.1 -57.4       | 110.3 328.6         | 1.0 0.0 0.991         | 57.1 94.0 -57.4                       | 110.2 328.5         | 0.0 330               |
| 16/652 | B75R_100_100de      | 1.0 0.0 0.5         | 1.0 1.0 0.5         | 360                 | 1.0 0.0 0.617       | 52.9 83.6 -11.6       | 84.4 352.0          | 1.0 0.0 0.616         | 52.9 83.4 -11.5                       | 84.2 352.1          | 0.1 352               |
| 17/648 | R00Y_100_100de      | 1.0 0.0 0.0         | 1.0 1.0 0.5         | 390                 | 1.0 0.0 0.263       | 50.9 78.3 37.3        | 86.7 25.4           | 1.0 0.0 0.264         | 50.9 78.1 37.1                        | 86.5 25.4           | 0.2 375               |
| 18/688 | R00Y_100_050de      | 1.0 0.5 0.5         | 1.0 0.5 0.75        | 390                 | 1.0 0.5 0.631       | 73.1 39.1 18.6        | 43.3 25.4           | 1.0 0.622 0.61        | 71.4 33.9 16.1                        | 37.6 25.4 5.9       | 375                   |
| 19/706 | R50Y_100_050de      | 1.0 0.75 0.5        | 1.0 0.5 0.75        | 60                  | 1.0 0.743 0.5       | 79.2 31.3 35.4        | 41.3 58.8           | 1.0 0.745 0.545       | 77.9 16.5 33.4                        | 37.3 63.6 5.3       | 59                    |
| 20/724 | Y00G_100_050de      | 1.0 1.0 0.5         | 1.0 0.5 0.75        | 90                  | 1.0 0.928 0.5       | 89.5 -1.7 42.2        | 42.2 92.3           | 1.0 0.925 0.594       | 88.9 -4.7 41.4                        | 41.7 96.5 3.2       | 82                    |
| 21/562 | Y50G_100_050de      | 0.75 1.0 0.5        | 1.0 0.5 0.75        | 120                 | 0.764 1.0 0.5       | 90.7 -31.5 41.4       | 52.0 127.2          | 0.803 1.0 0.607       | 90.2 -31.1 41.0                       | 51.5 127.1 0.6      | 118                   |
| 22/490 | G00B_100_050de      | 0.5 1.0 0.5         | 1.0 0.5 0.75        | 150                 | 0.5 1.0 0.853       | 90.2 -32.3 10.3       | 33.9 162.2          | 0.673 1.0 0.853       | 89.6 -31.6 9.5                        | 33.9 163.2 1.2      | 193                   |
| 23/404 | G50B_100_050de      | 0.5 1.0 1.0         | 1.0 0.5 0.75        | 210                 | 0.5 0.945 1.0       | 87.2 -17.1 -12.8      | 21.4 216.9          | 0.676 0.947 1.0       | 87.1 -17.5 -12.7                      | 21.7 216.0 0.4      | 215                   |
| 24/368 | B00R_100_050de      | 0.5 0.5 1.0         | 1.0 0.5 0.75        | 270                 | 0.5 0.804 1.0       | 77.3 0.8 -28.3        | 28.3 271.7          | 0.66 0.797 1.0        | 77.1 0.3 -27.9                        | 27.9 270.8 0.6      | 232                   |
| 25/692 | B50R_100_050de      | 1.0 0.5 1.0         | 1.0 0.5 0.75        | 330                 | 1.0 0.5 0.995       | 76.3 47.0 -28.7       | 55.1 328.6          | 1.0 0.645 1.0         | 75.4 45.0 -29.9                       | 54.1 326.3 2.5      | 330                   |
| 26/688 | R00Y_100_050de      | 1.0 0.5 0.5         | 1.0 0.5 0.75        | 390                 | 1.0 0.5 0.631       | 73.1 39.1 18.6        | 43.3 25.4           | 1.0 0.622 0.61        | 71.4 33.9 16.1                        | 37.6 25.4 5.9       | 375                   |
| 27/506 | R00Y_075_050de      | 0.75 0.25 0.25      | 0.75 0.5 0.5        | 390                 | 0.75 0.25 0.381     | 49.3 39.1 18.6        | 43.3 25.4           | 0.762 0.363 0.365     | 49.2 39.0 18.4                        | 43.1 25.2 0.2       | 375                   |
| 28/524 | R50Y_075_050de      | 0.75 0.5 0.25       | 0.75 0.5 0.5        | 60                  | 0.75 0.493 0.25     | 55.4 21.3 35.4        | 41.3 58.8           | 0.756 0.487 0.298     | 55.4 20.9 35.4                        | 41.2 59.3 0.3       | 59                    |
| 29/542 | Y00G_075_050de      | 0.75 0.75 0.25      | 0.75 0.5 0.5        | 90                  | 0.75 0.678 0.25     | 65.7 -1.7 42.2        | 42.2 92.3           | 0.745 0.655 0.341     | 65.6 -1.7 42.1                        | 42.2 92.3 0.1       | 82                    |
| 30/380 | Y50G_075_050de      | 0.5 0.75 0.25       | 0.75 0.5 0.5        | 120                 | 0.514 0.75 0.25     | 66.8 -31.5 41.4       | 52.0 127.2          | 0.532 0.728 0.352     | 66.7 -31.5 41.3                       | 52.0 127.3 0.1      | 118                   |
| 31/218 | G00B_075_050de      | 0.25 0.75 0.25      | 0.75 0.5 0.5        | 150                 | 0.25 0.75 0.603     | 66.4 -32.3 10.3       | 33.9 162.2          | 0.404 0.73 0.587      | 66.3 -32.5 10.3                       | 34.1 162.4 0.2      | 193                   |
| 32/222 | G50B_075_050de      | 0.25 0.75 0.75      | 0.75 0.5 0.5        | 210                 | 0.25 0.695 0.75     | 63.3 -17.1 -12.8      | 21.4 216.9          | 0.408 0.674 0.726     | 63.2 -17.3 -12.9                      | 21.6 216.8 0.2      | 215                   |
| 33/186 | B00R_075_050de      | 0.25 0.25 0.75      | 0.75 0.5 0.5        | 270                 | 0.25 0.554 0.75     | 53.4 0.8 -28.3        | 28.3 271.7          | 0.394 0.538 0.728     | 53.4 0.4 -28.1                        | 28.1 270.8 0.4      | 232                   |
| 34/510 | B50R_075_050de      | 0.75 0.25 0.75      | 0.75 0.5 0.5        | 330                 | 0.75 0.25 0.745     | 52.4 47.0 -28.7       | 55.1 328.6          | 0.743 0.385 0.724     | 52.4 46.7 -28.6                       | 54.8 328.4 0.3      | 330                   |
| 35/506 | R00Y_075_050de      | 0.75 0.25 0.25      | 0.75 0.5 0.5        | 390                 | 0.75 0.25 0.381     | 49.3 39.1 18.6        | 43.3 25.4           | 0.762 0.363 0.365     | 49.2 39.0 18.4                        | 43.1 25.2 0.2       | 375                   |
| 36/324 | R00Y_050_050de      | 0.5 0.0 0.0         | 0.5 0.5 0.25        | 390                 | 0.5 0.0 0.131       | 25.4 39.1 18.6        | 43.3 25.4           | 0.482 0.102 0.144     | 25.2 39.8 18.4                        | 43.9 24.8 0.7       | 375                   |
| 37/342 | R50Y_050_050de      | 0.5 0.25 0.0        | 0.5 0.5 0.25        | 60                  | 0.5 0.243 0.0       | 31.5 21.3 35.4        | 41.3 58.8           | 0.48 0.247 0.061      | 31.5 21.4 36.4                        | 42.2 59.4 0.9       | 59                    |
| 38/360 | Y00G_050_050de      | 0.5 0.5 0.0         | 0.5 0.5 0.25        | 90                  | 0.5 0.428 0.0       | 41.8 -1.7 42.2        | 42.2 92.3           | 0.476 0.408 0.088     | 41.9 -1.9 43.0                        | 43.1 92.5 0.8       | 82                    |
| 39/198 | Y50G_050_050de      | 0.25 0.5 0.0        | 0.5 0.5 0.25        | 120                 | 0.264 0.5 0.0       | 42.9 -31.5 41.4       | 52.0 127.2          | 0.273 0.472 0.095     | 43.0 -32.2 42.2                       | 53.1 127.3 1.0      | 118                   |
| 40/36  | G00B_050_050de      | 0.0 0.5 0.0         | 0.5 0.5 0.25        | 150                 | 0.5 0.5 0.353       | 42.5 -32.3 10.3       | 33.9 162.2          | 0.126 0.473 0.343     | 42.7 -32.9 10.5                       | 34.5 162.2 0.6      | 193                   |
| 41/40  | G50B_050_050de      | 0.0 0.5 0.5         | 0.5 0.5 0.25        | 210                 | 0.0 0.445 0.5       | 39.5 -17.1 -12.8      | 21.4 216.9          | 0.126 0.424 0.472     | 39.6 -17.6 -12.9                      | 21.9 216.1 0.5      | 215                   |
| 42/4   | B00R_050_050de      | 0.0 0.0 0.5         | 0.5 0.5 0.25        | 270                 | 0.0 0.304 0.5       | 29.6 0.8 -28.3        | 28.3 271.7          | 0.112 0.3 0.473       | 29.6 0.1 -28.5                        | 28.5 270.3 0.7      | 232                   |
| 43/328 | B50R_050_050de      | 0.5 0.0 0.5         | 0.5 0.5 0.25        | 330                 | 0.5 0.0 0.495       | 28.5 47.0 -28.7       | 55.1 328.6          | 0.475 0.121 0.469     | 28.5 47.2 -29.1                       | 55.4 328.3 0.4      | 330                   |
| 44/324 | R00Y_050_050de      | 0.5 0.0 0.0         | 0.5 0.5 0.25        | 390                 | 0.5 0.0 0.131       | 25.4 39.1 18.6        | 43.3 25.4           | 0.482 0.102 0.144     | 25.2 39.8 18.4                        | 43.9 24.8 0.7       | 375                   |
| 45/0   | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 360                 | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0             | 0.0 0.0 0.0           | 0.0 0.0 0.0                           | 0.0 0.0             | 360                   |
| 46/91  | NW_013de            | 0.125 0.125 0.125   | 0.125 0.0 0.125     | 360                 | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.0 0.0             | 0.129 0.132 0.132     | 11.9 -0.2 0.0                         | 0.2 198.6           | 0.2 360               |
| 47/182 | NW_025de            | 0.25 0.25 0.25      | 0.25 0.0 0.25       | 360                 | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.0 0.0             | 0.232 0.236 0.237     | 23.7 -0.4 -0.2                        | 0.4 207.2           | 0.4 360               |
| 48/273 | NW_038de            | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.0 0.0             | 0.345 0.35 0.35       | 35.7 -0.4 -0.2                        | 0.5 205.6           | 0.5 360               |
| 49/364 | NW_050de            | 0.5 0.5 0.5         | 0.5 0.0 0.5         | 360                 | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.0 0.0             | 0.466 0.47 0.471      | 47.7 -0.3 -0.1                        | 0.4 205.6           | 0.4 360               |
| 50/455 | NW_063de            | 0.625 0.625 0.625   | 0.625 0.0 0.625     | 360                 | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.0 0.0             | 0.59 0.593 0.594      | 59.4 -0.2 -0.1                        | 0.3 206.3           | 0.3 360               |
| 51/546 | NW_075de            | 0.75 0.75 0.75      | 0.75 0.0 0.75       | 360                 | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.0 0.0             | 0.721 0.724 0.724     | 71.3 -0.1 0.0                         | 0.2 207.8           | 0.2 360               |
| 52/637 | NW_088de            | 0.875 0.875 0.875   | 0.875 0.0 0.875     | 360                 | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.0 0.0             | 0.858 0.86 0.86       | 83.3 0.0 0.0                          | 0.1 212.6           | 0.1 360               |
| 53/728 | NW_100de            | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 0.0 0.0             | 1.0 1.0 1.0           | 95.4 0.0 0.0                          | 0.0 325.2           | 0.0 360               |

delta E\* = 0.8

grafico TUB-SI12; 1080 colori standard  
colori e la differenza,  $\Delta E^*$ , 3D=1, de=1, sRGB\*

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
uscita: 3D-linearizzazione a  $rgb^*_{de}$

http://130.149.60.45/~farbmetrik/SI12/SI12L0FP.PDF /.PS; 3D-linearizzazzazione  
F: 3D-linearizzazzazione SI12/SI12LI30FP.DAT nel file (F), pagina 16/29

| n\j | 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| 0   | NW_000de            | 0.0                 | 0.0                 | 0.0                 | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                                  | 0.0                 | 0.0                   |
| 1   | B00R_012_012de      | 0.0                 | 0.125               | 0.125               | 0.062               | 270                   | 0.076               | 0.125                 | 7.4                                  | 0.2                 | -7.0                  |
| 2   | B00R_025_025de      | 0.0                 | 0.25                | 0.25                | 0.125               | 270                   | 0.152               | 0.25                  | 14.8                                 | 0.4                 | -14.1                 |
| 3   | B00R_037_037de      | 0.0                 | 0.375               | 0.375               | 0.187               | 270                   | 0.228               | 0.375                 | 22.2                                 | 0.6                 | -21.2                 |
| 4   | B00R_050_050de      | 0.0                 | 0.5                 | 0.5                 | 0.25                | 270                   | 0.304               | 0.5                   | 29.6                                 | 0.8                 | -28.3                 |
| 5   | B00R_062_062de      | 0.0                 | 0.625               | 0.625               | 0.312               | 270                   | 0.38                | 0.625                 | 37.0                                 | 1.0                 | -35.3                 |
| 6   | B00R_075_075de      | 0.0                 | 0.75                | 0.75                | 0.375               | 270                   | 0.457               | 0.75                  | 44.4                                 | 1.2                 | -42.4                 |
| 7   | B00R_087_087de      | 0.0                 | 0.875               | 0.875               | 0.437               | 270                   | 0.533               | 0.875                 | 51.8                                 | 1.5                 | -49.5                 |
| 8   | B00R_100_100de      | 0.0                 | 1.0                 | 1.0                 | 0.5                 | 270                   | 0.609               | 1.0                   | 59.2                                 | 1.7                 | -56.6                 |
| 9   | G00B_012_012de      | 0.0                 | 0.125               | 0.125               | 0.062               | 150                   | 0.125               | 0.088                 | 10.6                                 | -8.0                | 2.5                   |
| 10  | G50B_012_012de      | 0.0                 | 0.125               | 0.125               | 0.062               | 210                   | 0.111               | 0.125                 | 9.8                                  | -4.2                | -3.2                  |
| 11  | G75B_025_025de      | 0.0                 | 0.125               | 0.25                | 0.125               | 240                   | 0.19                | 0.25                  | 17.5                                 | -4.7                | -9.9                  |
| 12  | G84B_037_037de      | 0.0                 | 0.125               | 0.375               | 0.187               | 251                   | 0.266               | 0.375                 | 24.8                                 | -4.7                | -17.1                 |
| 13  | G88B_050_050de      | 0.0                 | 0.125               | 0.5                 | 0.5                 | 256                   | 0.342               | 0.5                   | 32.2                                 | -4.7                | -24.3                 |
| 14  | G90B_062_062de      | 0.0                 | 0.125               | 0.625               | 0.625               | 312                   | 0.418               | 0.625                 | 39.6                                 | -4.5                | -31.4                 |
| 15  | G92B_075_075de      | 0.0                 | 0.125               | 0.75                | 0.75                | 375                   | 0.494               | 0.75                  | 47.0                                 | -4.3                | -38.5                 |
| 16  | G93B_087_087de      | 0.0                 | 0.125               | 0.875               | 0.875               | 437                   | 0.573               | 0.875                 | 54.6                                 | -4.4                | -45.3                 |
| 17  | G94B_100_100de      | 0.0                 | 0.125               | 1.0                 | 1.0                 | 520                   | 0.649               | 1.0                   | 62.0                                 | -4.2                | -52.3                 |
| 18  | G00B_025_025de      | 0.0                 | 0.25                | 0.25                | 0.125               | 150                   | 0.25                | 0.176                 | 21.2                                 | -16.1               | 5.1                   |
| 19  | G25B_025_025de      | 0.0                 | 0.25                | 0.125               | 0.125               | 180                   | 0.25                | 0.237                 | 21.6                                 | -12.4               | -2.1                  |
| 20  | G50B_025_025de      | 0.0                 | 0.25                | 0.25                | 0.125               | 210                   | 0.222               | 0.25                  | 19.7                                 | -8.5                | -6.4                  |
| 21  | G65B_037_037de      | 0.0                 | 0.25                | 0.375               | 0.187               | 229                   | 0.303               | 0.375                 | 27.4                                 | -9.4                | -13.1                 |
| 22  | G75B_050_050de      | 0.0                 | 0.25                | 0.5                 | 0.5                 | 240                   | 0.381               | 0.5                   | 35.0                                 | -9.5                | -19.8                 |
| 23  | G80B_062_062de      | 0.0                 | 0.25                | 0.625               | 0.625               | 312                   | 0.456               | 0.625                 | 42.3                                 | -9.4                | -27.0                 |
| 24  | G84B_075_075de      | 0.0                 | 0.25                | 0.75                | 0.75                | 375                   | 0.532               | 0.75                  | 49.7                                 | -9.5                | -34.3                 |
| 25  | G86B_087_087de      | 0.0                 | 0.25                | 0.875               | 0.875               | 437                   | 0.608               | 0.875                 | 57.1                                 | -9.4                | -41.5                 |
| 26  | G88B_100_100de      | 0.0                 | 0.25                | 1.0                 | 1.0                 | 520                   | 0.685               | 1.0                   | 64.5                                 | -9.4                | -48.6                 |
| 27  | G00B_037_037de      | 0.0                 | 0.375               | 0.375               | 0.187               | 150                   | 0.375               | 0.264                 | 31.9                                 | -24.2               | 7.7                   |
| 28  | G15B_037_037de      | 0.0                 | 0.375               | 0.125               | 0.375               | 187                   | 0.375               | 0.33                  | 32.2                                 | -20.3               | 0.1                   |
| 29  | G34B_037_037de      | 0.0                 | 0.375               | 0.25                | 0.375               | 187                   | 0.368               | 0.375                 | 32.1                                 | -16.7               | -5.9                  |
| 30  | G50B_037_037de      | 0.0                 | 0.375               | 0.375               | 0.187               | 210                   | 0.333               | 0.375                 | 29.6                                 | -12.8               | -9.6                  |
| 31  | G61B_050_050de      | 0.0                 | 0.375               | 0.5                 | 0.5                 | 224                   | 0.414               | 0.5                   | 37.3                                 | -13.8               | -16.3                 |
| 32  | G69B_062_062de      | 0.0                 | 0.375               | 0.625               | 0.625               | 312                   | 0.495               | 0.625                 | 45.0                                 | -14.4               | -23.0                 |
| 33  | G75B_075_075de      | 0.0                 | 0.375               | 0.75                | 0.75                | 375                   | 0.572               | 0.75                  | 52.5                                 | -14.2               | -29.7                 |
| 34  | G79B_087_087de      | 0.0                 | 0.375               | 0.875               | 0.875               | 437                   | 0.648               | 0.875                 | 59.9                                 | -14.1               | -36.7                 |
| 35  | G81B_100_100de      | 0.0                 | 0.375               | 1.0                 | 1.0                 | 520                   | 0.725               | 1.0                   | 67.4                                 | -14.5               | -43.8                 |
| 36  | G00B_050_050de      | 0.0                 | 0.5                 | 0.5                 | 0.25                | 150                   | 0.5                 | 0.353                 | 42.5                                 | -32.3               | 10.3                  |
| 37  | G11B_050_050de      | 0.0                 | 0.5                 | 0.125               | 0.5                 | 164                   | 0.5                 | 0.419                 | 42.9                                 | -28.5               | 2.4                   |
| 38  | G25B_050_050de      | 0.0                 | 0.5                 | 0.25                | 0.5                 | 180                   | 0.5                 | 0.475                 | 43.2                                 | -24.9               | -4.2                  |
| 39  | G38B_050_050de      | 0.0                 | 0.5                 | 0.375               | 0.5                 | 196                   | 0.479               | 0.5                   | 41.9                                 | -21.0               | -9.4                  |
| 40  | G50B_050_050de      | 0.0                 | 0.5                 | 0.5                 | 0.25                | 210                   | 0.445               | 0.5                   | 39.5                                 | -17.1               | -12.8                 |
| 41  | G59B_062_062de      | 0.0                 | 0.625               | 0.625               | 0.312               | 221                   | 0.526               | 0.625                 | 47.2                                 | -18.1               | -19.5                 |
| 42  | G65B_075_075de      | 0.0                 | 0.5                 | 0.75                | 0.75                | 375                   | 0.606               | 0.75                  | 54.9                                 | -18.9               | -26.3                 |
| 43  | G70B_087_087de      | 0.0                 | 0.5                 | 0.875               | 0.875               | 437                   | 0.686               | 0.875                 | 62.5                                 | -19.2               | -32.9                 |
| 44  | G75B_100_100de      | 0.0                 | 0.5                 | 1.0                 | 1.0                 | 520                   | 0.763               | 1.0                   | 70.0                                 | -19.0               | -39.6                 |
| 45  | G00B_062_062de      | 0.0                 | 0.625               | 0.625               | 0.312               | 150                   | 0.625               | 0.441                 | 53.2                                 | -40.4               | 12.9                  |
| 46  | G09B_062_062de      | 0.0                 | 0.625               | 0.125               | 0.625               | 161                   | 0.625               | 0.507                 | 53.5                                 | -36.7               | 4.9                   |
| 47  | G19B_062_062de      | 0.0                 | 0.625               | 0.25                | 0.625               | 173                   | 0.625               | 0.566                 | 53.9                                 | -33.0               | -1.8                  |
| 48  | G30B_062_062de      | 0.0                 | 0.625               | 0.375               | 0.625               | 187                   | 0.625               | 0.623                 | 54.2                                 | -29.0               | -8.3                  |
| 49  | G40B_062_062de      | 0.0                 | 0.625               | 0.5                 | 0.625               | 196                   | 0.589               | 0.625                 | 51.7                                 | -25.3               | -12.8                 |
| 50  | G50B_062_062de      | 0.0                 | 0.625               | 0.625               | 0.312               | 210                   | 0.556               | 0.625                 | 49.4                                 | -21.4               | -16.1                 |
| 51  | G57B_075_075de      | 0.0                 | 0.625               | 0.75                | 0.75                | 375                   | 0.637               | 0.75                  | 57.1                                 | -22.4               | -22.6                 |
| 52  | G63B_087_087de      | 0.0                 | 0.625               | 0.875               | 0.875               | 437                   | 0.718               | 0.875                 | 64.9                                 | -23.3               | -29.4                 |
| 53  | G68B_100_100de      | 0.0                 | 0.625               | 1.0                 | 1.0                 | 520                   | 0.796               | 1.0                   | 72.4                                 | -23.6               | -36.4                 |
| 54  | G00B_075_075de      | 0.0                 | 0.75                | 0.0                 | 0.75                | 375                   | 0.75                | 0.529                 | 63.8                                 | -48.5               | 15.5                  |
| 55  | G07B_075_075de      | 0.0                 | 0.75                | 0.125               | 0.75                | 375                   | 0.75                | 0.596                 | 64.2                                 | -44.8               | 7.5                   |
| 56  | G15B_075_075de      | 0.0                 | 0.75                | 0.25                | 0.75                | 375                   | 0.75                | 0.66                  | 64.5                                 | -40.7               | 0.3                   |
| 57  | G25B_075_075de      | 0.0                 | 0.75                | 0.375               | 0.75                | 375                   | 0.75                | 0.713                 | 64.9                                 | -37.7               | -6.3                  |
| 58  | G34B_075_075de      | 0.0                 | 0.75                | 0.5                 | 0.75                | 375                   | 0.736               | 0.75                  | 64.2                                 | -33.4               | -11.9                 |
| 59  | G42B_075_075de      | 0.0                 | 0.75                | 0.625               | 0.75                | 375                   | 0.7                 | 0.75                  | 61.6                                 | -29.5               | -16.2                 |
| 60  | G50B_075_075de      | 0.0                 | 0.75                | 0.75                | 0.75                | 375                   | 0.667               | 0.75                  | 59.3                                 | -25.6               | -19.3                 |
| 61  | G56B_087_087de      | 0.0                 | 0.75                | 0.875               | 0.875               | 437                   | 0.747               | 0.875                 | 66.9                                 | -26.6               | -25.9                 |
| 62  | G61B_100_100de      | 0.0                 | 0.75                | 1.0                 | 1.0                 | 520                   | 0.829               | 1.0                   | 74.7                                 | -27.7               | -32.7                 |
| 63  | G00B_087_087de      | 0.0                 | 0.875               | 0.875               | 0.437               | 150                   | 0.875               | 0.617                 | 74.5                                 | -56.5               | 18.1                  |
| 64  | G06B_087_087de      | 0.0                 | 0.875               | 0.125               | 0.875               | 158                   | 0.875               | 0.688                 | 74.8                                 | -52.7               | 9.7                   |
| 65  | G13B_087_087de      | 0.0                 | 0.875               | 0.25                | 0.875               | 166                   | 0.875               | 0.748                 | 75.1                                 | -48.9               | 2.7                   |
| 66  | G20B_087_087de      | 0.0                 | 0.875               | 0.375               | 0.875               | 175                   | 0.875               | 0.804                 | 75.5                                 | -45.5               | -4.0                  |
| 67  | G29B_087_087de      | 0.0                 | 0.875               | 0.5                 | 0.875               | 185                   | 0.875               | 0.861                 | 75.9                                 | -41.5               | -10.4                 |
| 68  | G36B_087_087de      | 0.0                 | 0.875               | 0.625               | 0.875               | 194                   | 0.847               | 0.875                 | 74.0                                 | -37.7               | -15.5                 |
| 69  | G43B_087_087de      | 0.0                 | 0.875               | 0.75                | 0.875               | 202                   | 0.812               | 0.875                 | 71.6                                 | -34.0               | -19.3                 |
| 70  | G50B_087_087de      | 0.0                 | 0.875               | 0.875               | 0.437               | 210                   | 0.778               | 0.875                 | 69.1                                 | -29.9               | -22.5                 |
| 71  | G55B_100_100de      | 0.0                 | 0.875               | 1.0                 | 1.0                 | 520                   | 0.858               | 1.0                   | 76.8                                 | -30.8               | -29.1                 |
| 72  | G00B_100_100de      | 0.0                 | 1.0                 | 0.0                 | 1.0                 | 520                   | 0.0                 | 0.706                 | 85.1                                 | -64.6               | 20.7                  |
| 73  | G05B_100_100de      | 0.0                 | 1.0                 | 0.125               | 1.0                 | 520                   | 0.0                 | 0.778                 | 85.5                                 | -60.7               | 12.2                  |
| 74  | G11B_100_100de      | 0.0                 | 1.0                 | 0.25                | 1.0                 | 520                   | 0.0                 | 0.838                 | 85.8                                 | -57.1               | 4.9                   |
| 75  | G18B_100_100de      | 0.0                 | 1.0                 | 0.375               | 1.0                 | 520                   | 0.0                 | 0.899                 | 86.2                                 | -53.2               | -2.1                  |
| 76  | G25B_100_100de      | 0.0                 | 1.0                 | 0.5                 | 1.0                 | 520                   | 0.0                 | 0.951                 | 86.5                                 | -49.9               | -8.4                  |
| 77  | G31B_100_100de      | 0.0                 | 1.0                 | 0.625               | 1.0                 | 520                   | 0.0                 | 0.997                 | 1.0                                  | 86.6                | -45.9                 |
| 78  | G38B_100_100de      | 0.0                 | 1.0                 | 0.75                | 1.0                 | 520                   | 0.0                 | 0.958                 | 1.0                                  | 83.9                | -42.0                 |
| 79  | G44B_100_100de      | 0.0                 | 1.0                 | 0.875               | 1.0                 | 520                   | 0.0                 | 0.924                 | 1.0                                  | 81.4                | -38.3                 |
| 80  | G50B_100_100de      | 0.0                 | 1.0                 | 1.0                 | 1.0                 | 520                   | 0.0                 | 0.89                  | 1.0                                  | 79.0                | -34.2                 |

4-1131530-F0

SI120-7N, 16/29-F

grafico TUB-SI12; 1080 colori standard  
colori e la differenza,  $\Delta E^*$ , 3D=1, de=1, sRGB\*

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
uscita: 3D-linearizzazione a  $rgb^*_{de}$

delta  $E^* = 0.6$

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di stampa di display, nessuna separazione

TUB materiale: code=rha4ta

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |                             |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|-----------------------------|
| 81  | R00Y_012_012de      | 0.125 0.0 0.0       | 0.125 0.125 0.062   | 390                 | 0.125 0.0 0.032     | 6.3 9.7 4.6           | 10.8 25.4           | 0.146 0.043 0.037     | 5.3 11.5 4.6                         | 12.4 21.9 2.0       | 375 0.0 0.0 0.263     | 50.9 78.3 37.3 86.7 25.4    |
| 82  | B50R_012_012de      | 0.125 0.0 0.125     | 0.125 0.125 0.062   | 330                 | 0.125 0.0 0.123     | 7.1 11.7 -7.1         | 13.7 328.6          | 0.137 0.052 0.133     | 6.1 14.1 -8.8                        | 16.6 328.0 3.0      | 330 1.0 0.0 0.991     | 57.1 94.1 -57.4 110.3 328.6 |
| 83  | B25R_025_025de      | 0.125 0.0 0.25      | 0.25 0.25 0.125     | 300                 | 0.0 0.067 0.25      | 9.5 13.1 -22.6        | 26.2 300.1          | 0.093 0.083 0.24      | 8.6 14.1 -24.3                       | 28.1 300.2 2.1      | 254 0.0 0.27 1.0      | 38.2 52.7 -90.7 104.9 300.1 |
| 84  | B15R_037_037de      | 0.125 0.0 0.375     | 0.375 0.375 0.187   | 289                 | 0.0 0.165 0.375     | 17.9 10.1 -28.9       | 299.7               | 0.101 0.173 0.354     | 17.7 9.4 -28.8                       | 30.3 288.2 0.9      | 243 0.0 0.44 1.0      | 47.9 26.9 -75.0 79.7 288.0  |
| 85  | B11R_050_050de      | 0.125 0.0 0.5       | 0.5 0.5 0.25        | 284                 | 0.0 0.25 0.5        | 25.9 9.1 -34.1        | 35.3 285.0          | 0.129 0.25 0.473      | 25.9 9.1 -34.4                       | 35.6 284.8 0.2      | 239 0.0 0.5 1.0       | 51.8 18.3 -68.3 70.7 285.0  |
| 86  | B09R_062_062de      | 0.125 0.0 0.625     | 0.625 0.625 0.312   | 281                 | 0.0 0.327 0.625     | 33.3 8.9 -41.3        | 42.3 281.2          | 0.101 0.324 0.597     | 33.2 8.1 -41.4                       | 42.2 281.0 0.8      | 238 0.0 0.523 1.0     | 53.3 14.2 -66.1 67.7 282.1  |
| 87  | B07R_075_075de      | 0.125 0.0 0.75      | 0.75 0.75 0.375     | 279                 | 0.0 0.404 0.75      | 40.8 8.7 -48.4        | 49.2 280.2          | 0.071 0.401 0.728     | 40.8 8.0 -48.3                       | 49.0 279.4 0.7      | 237 0.0 0.539 1.0     | 54.4 11.7 -64.6 65.6 280.2  |
| 88  | B06R_087_087de      | 0.125 0.0 0.875     | 0.875 0.875 0.437   | 278                 | 0.0 0.478 0.875     | 48.1 9.1 -55.8        | 56.5 279.3          | 0.0 0.478 0.864       | 48.1 8.7 -55.7                       | 56.4 278.9 0.3      | 236 0.0 0.546 1.0     | 54.9 10.4 -63.8 64.6 279.3  |
| 89  | B05R_100_100de      | 0.125 0.0 1.0       | 1.0 1.0 0.5         | 277                 | 0.0 0.554 1.0       | 55.5 9.2 -63.0        | 63.6 278.3          | 0.0 0.557 1.0         | 55.6 9.6 -62.0                       | 62.7 278.8 1.0      | 236 0.0 0.554 1.0     | 55.5 9.2 -63.0 63.6 278.3   |
| 90  | Y00G_012_012de      | 0.125 0.125 0.0     | 0.125 0.125 0.062   | 90                  | 0.125 0.107 0.0     | 10.4 -0.4 10.5        | 10.5 9.2            | 0.139 0.115 0.038     | 10.1 -0.3 11.5                       | 11.5 9.7 1.0        | 82 1.0 0.856 0.0      | 83.7 -3.4 84.5 84.5 92.3    |
| 91  | NW_012de            | 0.125 0.125 0.125   | 0.125 0.0 0.125     | 360                 | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.0 0.0             | 0.129 0.132 0.132     | 11.9 -0.2 0.0                        | 0.2 198.6 0.2       | 360 1.0 1.0 0.0       | 95.4 0.0 0.0 0.0 0.0        |
| 92  | B00R_025_012de      | 0.125 0.125 0.25    | 0.25 0.125 0.187    | 270                 | 0.124 0.201 0.25    | 19.3 0.2 -7.0         | 7.0 271.7           | 0.162 0.197 0.238     | 19.0 -0.7 -7.5                       | 7.5 264.4 1.0       | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 93  | B00R_037_025de      | 0.125 0.125 0.375   | 0.375 0.25 0.25     | 270                 | 0.124 0.277 0.375   | 26.7 0.4 -14.1        | 14.1 271.7          | 0.199 0.267 0.353     | 26.6 -0.3 -14.5                      | 14.5 268.5 0.9      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 94  | B00R_050_037de      | 0.125 0.125 0.5     | 0.5 0.375 0.312     | 270                 | 0.124 0.353 0.5     | 34.1 0.6 -21.2        | 21.2 271.7          | 0.232 0.34 0.473      | 34.1 0.0 -21.5                       | 21.5 270.2 0.6      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 95  | B00R_062_050de      | 0.125 0.125 0.625   | 0.625 0.5 0.375     | 270                 | 0.125 0.429 0.625   | 41.5 0.8 -28.3        | 28.3 271.7          | 0.261 0.416 0.597     | 41.5 0.2 -28.1                       | 28.1 270.4 0.6      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 96  | B00R_075_062de      | 0.125 0.125 0.75    | 0.75 0.625 0.437    | 270                 | 0.125 0.505 0.75    | 48.9 1.0 -35.3        | 35.3 271.7          | 0.282 0.494 0.727     | 48.9 0.4 -35.1                       | 35.1 270.7 0.6      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 97  | B00R_087_075de      | 0.125 0.125 0.875   | 0.875 0.75 0.5      | 270                 | 0.125 0.582 0.875   | 56.3 1.2 -42.4        | 42.4 271.7          | 0.294 0.573 0.863     | 56.2 0.9 -42.5                       | 42.5 271.2 0.4      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 98  | B00R_100_087de      | 0.125 0.125 1.0     | 1.0 0.875 0.562     | 270                 | 0.125 0.658 1.0     | 63.7 1.5 -49.5        | 49.5 271.7          | 0.304 0.654 1.0       | 63.5 1.1 -49.3                       | 49.4 271.3 0.4      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6 56.6 271.7   |
| 99  | Y50G_025_025de      | 0.125 0.25 0.0      | 0.25 0.25 0.125     | 120                 | 0.132 0.25 0.0      | 21.4 -15.7            | 20.7 127.2          | 0.15 0.238 0.071      | 21.4 -16.8                           | 21.9 27.6 127.4     | 1.6 118 0.528 1.0 0.0 | 85.9 -63.0 82.8 104.1 127.2 |
| 100 | G00B_025_012de      | 0.125 0.25 0.125    | 0.25 0.125 0.187    | 150                 | 0.124 0.25 0.213    | 22.5 -8.0             | 2.5 8.4 162.2       | 0.165 0.239 0.208     | 22.4 -9.1                            | 2.3 9.4 165.6       | 1.0 193 1.0 0.706     | 85.1 -64.6 20.7 67.9 162.2  |
| 101 | G50B_025_012de      | 0.125 0.25 0.25     | 0.25 0.125 0.187    | 210                 | 0.124 0.236 0.25    | 21.8 -4.2             | -3.2 5.3 216.9      | 0.167 0.226 0.237     | 21.6 -5.1                            | -3.5 6.2 214.5      | 0.9 215 0.0 0.89 1.0  | 79.0 -34.2 -25.7 42.8 216.9 |
| 102 | G75B_037_025de      | 0.125 0.25 0.375    | 0.375 0.25 0.25     | 240                 | 0.124 0.315 0.375   | 29.4 -4.7             | -9.9 10.9 244.3     | 0.199 0.301 0.352     | 29.3 -5.8                            | -10.2 11.7 240.2    | 1.1 223 0.0 0.763 1.0 | 70.0 -19.0 -39.6 43.9 244.3 |
| 103 | G84B_050_037de      | 0.125 0.25 0.5      | 0.5 0.375 0.312     | 251                 | 0.124 0.391 0.5     | 36.8 -4.7             | -17.1 17.8 254.3    | 0.235 0.375 0.474     | 36.8 -5.1                            | -17.3 18.1 253.5    | 0.4 226 0.0 0.71 1.0  | 66.3 -12.7 -45.7 47.4 254.3 |
| 104 | G88B_062_050de      | 0.125 0.25 0.625    | 0.625 0.5 0.375     | 256                 | 0.125 0.467 0.625   | 44.2 -4.7             | -24.3 24.7 258.9    | 0.256 0.453 0.598     | 44.2 -5.4                            | -24.1 24.7 257.3    | 0.6 227 0.0 0.685 1.0 | 64.5 -9.4 -48.6 49.5 258.9  |
| 105 | G90B_075_062de      | 0.125 0.25 0.75     | 0.75 0.625 0.437    | 259                 | 0.125 0.543 0.75    | 51.6 -4.5             | -31.4 31.7 261.6    | 0.273 0.531 0.729     | 51.6 -5.1                            | -31.3 31.7 260.6    | 0.6 228 0.0 0.67 1.0  | 63.4 -7.3 -50.3 50.8 261.6  |
| 106 | G92B_087_075de      | 0.125 0.25 0.875    | 0.875 0.5 0.5       | 261                 | 0.125 0.619 0.875   | 59.0 -4.3             | -28.5 38.7 263.5    | 0.287 0.61 0.864      | 58.8 -4.5                            | -38.7 38.9 263.2    | 0.2 229 0.0 0.659 1.0 | 62.7 -5.8 -51.3 51.7 263.5  |
| 107 | G93B_100_087de      | 0.125 0.25 1.0      | 1.0 0.875 0.562     | 262                 | 0.125 0.698 1.0     | 65.4 -4.4             | -45.3 45.6 266.5    | 0.294 0.696 1.0       | 65.3 -4.9                            | -45.0 45.2 263.6    | 0.7 229 0.0 0.654 1.0 | 62.4 -5.0 -51.8 52.1 264.4  |
| 108 | Y68G_037_037de      | 0.125 0.375 0.0     | 0.375 0.375 0.187   | 131                 | 0.0 0.375 0.102     | 31.4 -30.0            | 25.1 39.1 140.0     | 0.125 0.354 0.133     | 31.5 -30.0                           | 25.4 39.7 140.1     | 0.5 165 0.0 0.273     | 83.8 -80.1 67.0 140.0 140.0 |
| 109 | G00B_037_025de      | 0.125 0.375 0.125   | 0.375 0.25 0.25     | 150                 | 0.124 0.375 0.301   | 33.2 -16.1            | 5.1 16.9 162.2      | 0.203 0.354 0.289     | 33.1 -17.2                           | 5.0 17.9 163.7      | 1.1 193 0.0 1.0 0.706 | 85.1 -64.6 20.7 67.9 162.2  |
| 110 | G25B_037_025de      | 0.125 0.375 0.25    | 0.375 0.25 0.25     | 180                 | 0.124 0.375 0.362   | 33.5 -12.4            | -2.1 12.6 189.6     | 0.208 0.353 0.341     | 33.5 -13.4                           | -2.3 13.6 189.7     | 1.0 207 0.0 1.0 0.951 | 86.5 -49.9 -8.4 50.6 189.6  |
| 111 | G50B_037_025de      | 0.125 0.375 0.375   | 0.375 0.25 0.25     | 210                 | 0.124 0.347 0.375   | 31.6 -8.5             | -6.4 10.7 216.9     | 0.204 0.329 0.351     | 31.6 -9.6                            | -6.7 11.7 214.7     | 1.1 215 0.0 0.89 1.0  | 79.0 -34.2 -25.7 42.8 216.9 |
| 112 | G65B_050_037de      | 0.125 0.375 0.5     | 0.5 0.375 0.312     | 229                 | 0.124 0.428 0.5     | 39.4 -9.4             | -13.1 16.2 234.3    | 0.237 0.41 0.474      | 39.5 -10.0                           | -13.2 16.6 232.9    | 0.5 220 0.0 0.808 1.0 | 73.3 -25.2 -35.1 43.2 234.3 |
| 113 | G75B_062_050de      | 0.125 0.375 0.625   | 0.625 0.5 0.375     | 240                 | 0.125 0.506 0.625   | 46.9 -9.5             | -19.8 21.9 244.3    | 0.266 0.489 0.596     | 47.0 -10.1                           | -19.6 22.0 242.7    | 0.6 223 0.0 0.763 1.0 | 70.0 -19.0 -39.6 43.9 244.3 |
| 114 | G80B_075_062de      | 0.125 0.375 0.75    | 0.75 0.625 0.437    | 247                 | 0.125 0.581 0.75    | 54.2 -9.4             | -27.0 28.6 250.7    | 0.28 0.566 0.726      | 54.1 -9.9                            | -26.9 28.7 249.8    | 0.4 225 0.0 0.73 1.0  | 67.7 -15.1 -43.2 45.7 250.7 |
| 115 | G84B_087_075de      | 0.125 0.375 0.875   | 0.875 0.75 0.5      | 251                 | 0.125 0.657 0.875   | 61.6 -9.5             | -34.0 35.6 254.3    | 0.287 0.648 0.864     | 61.5 -9.7                            | -34.4 35.8 254.2    | 0.2 226 0.0 0.71 1.0  | 66.3 -12.7 -45.7 47.4 254.3 |
| 116 | G86B_100_087de      | 0.125 0.375 1.0     | 1.0 0.875 0.562     | 254                 | 0.125 0.733 1.0     | 69.0 -9.4             | -41.5 42.6 257.1    | 0.29 0.733 1.0        | 68.8 -10.0                           | -41.0 42.2 256.2    | 0.7 227 0.0 0.695 1.0 | 65.2 -10.8 -47.5 48.7 257.1 |
| 117 | Y76G_050_050de      | 0.125 0.5 0.0       | 0.5 0.5 0.25        | 136                 | 0.0 0.5 0.218       | 42.0 -38.0            | 25.7 45.9 145.9     | 0.131 0.474 0.226     | 42.2 -38.6                           | 26.1 46.6 145.8     | 0.7 175 0.0 1.0 0.436 | 84.1 -76.0 51.4 91.8 145.9  |
| 118 | G00B_050_037de      | 0.125 0.5 0.125     | 0.5 0.375 0.312     | 150                 | 0.124 0.5 0.389     | 43.8 -24.2            | 7.7 25.4 162.2      | 0.245 0.475 0.375     | 44.0 -24.6                           | 7.8 25.8 162.3      | 0.4 193 0.0 1.0 0.706 | 85.1 -64.6 20.7 67.9 162.2  |
| 119 | G15B_050_037de      | 0.125 0.5 0.25      | 0.5 0.375 0.312     | 169                 | 0.124 0.5 0.455     | 44.2 -20.3            | 0.1 20.3 179.5      | 0.248 0.474 0.431     | 44.3 -20.9                           | 0.1 20.9 179.6      | 0.5 203 0.0 1.0 0.88  | 86.0 -54.3 0.4 54.3 179.5   |
| 120 | G34B_050_037de      | 0.125 0.5 0.375     | 0.5 0.375 0.312     | 191                 | 0.124 0.493 0.5     | 44.0 -16.7            | -5.9 17.7 199.6     | 0.251 0.468 0.472     | 44.1 -17.1                           | -5.9 18.1 199.2     | 0.4 210 0.0 0.982 1.0 | 85.6 -44.5 -15.8 47.3 199.6 |
| 121 | G50B_050_037de      | 0.125 0.5 0.5       | 0.5 0.375 0.312     | 210                 | 0.124 0.458 0.5     | 41.5 -12.8            | -9.6 16.0 216.9     | 0.243 0.437 0.472     | 41.6 -13.4                           | -9.7 16.6 215.9     | 0.6 215 0.0 0.89 1.0  | 79.0 -34.2 -25.7 42.8 216.9 |
| 122 | G61B_062_050de      | 0.125 0.5 0.625     | 0.625 0.5 0.375     | 224                 | 0.125 0.539 0.625   | 49.3 -13.8            | -16.3 21.4 229.7    | 0.264 0.52 0.597      | 49.3 -14.4                           | -16.1 21.6 228.3    | 0.5 219 0.0 0.829 1.0 | 74.7 -27.7 -32.7 42.8 229.7 |
| 123 | G69B_075_062de      | 0.125 0.5 0.75      | 0.75 0.625 0.437    | 233                 | 0.125 0.62 0.75     | 57.0 -14.4            | -23.0 27.1 237.9    | 0.28 0.603 0.728      | 56.8 -14.7                           | -23.0 27.3 237.4    | 0.3 221 0.0 0.792 1.0 | 72.1 -23.0 -36.8 43.4 237.9 |
| 124 | G75B_087_075de      | 0.125 0.5 0.875     | 0.875 0.75 0.5      | 240                 | 0.125 0.697 0.875   | 64.4 -14.2            | -29.7 32.9 244.3    | 0.299 0.687 0.862     | 64.3 -14.5                           | -29.8 33.2 244.0    | 0.3 223 0.0 0.763 1.0 | 70.0 -19.0 -39.6 43.9 244.3 |
| 125 | G79B_100_087de      | 0.125 0.5 1.0       | 1.0 0.875 0.562     | 245                 | 0.125 0.773 1.0     | 71.8 -14.1            | -36.7 39.3 248.9    | 0.311 0.772 1.0       | 71.7 -14.4                           | -36.6 39.3 248.4    | 0.3 224 0.0 0.74 1.0  | 68.4 -16.1 -41.9 44.9 248.9 |
| 126 | Y81G_062_062de      | 0.125 0.625 0.0     | 0.625 0.625 0.312   | 139                 | 0.0 0.625 0.32      | 52.7 -45.8            | 27.1 53.2 149.4     | 0.13 0.596 0.319      | 52.6 -46.1                           | 27.1 53.5 149.5     | 0.3 180 0.0 1.0 0.513 | 84.3 -73.3 43.3 85.2 149.4  |
| 127 | G00B_062_050de      | 0.125 0.625 0.125   | 0.625 0.5 0.375     | 150                 | 0.125 0.625 0.478   | 54.5 -32.3            | 10.3 33.9 162.2     | 0.269 0.598 0.463     | 54.4 -32.6                           | 10.0 34.1 162.8     | 0.4 193 0.0 1.0 0.706 | 85.1 -64.6 20.7 67.9 162.2  |
| 128 | G11B_062_050de      | 0.125 0.625 0.25    | 0.625 0.5 0.375     | 164                 | 0.125 0.625 0.544   | 54.8 -28.5            | 2.4 28.6 175.0      | 0.272 0.598 0.523     | 54.7 -28.8                           | 2.2 28.8 175.6      | 0.3 201 0.0 1.0 0.838 | 85.8 -57.1 4.9 57.3 175.0   |
| 129 | G25B_062_050de      | 0.125 0.625 0.375   | 0.625 0.5 0.375     | 186                 | 0.125 0.625 0.6     | 55.2 -24.9            | -4.2 25.3 189.6     | 0.276 0.597 0.574     | 55.1 -25.3                           | -4.3 25.6 189.6     | 0.3 207 0.0 1.0 0.951 | 86.5 -49.9 -8.4 50.6 189.6  |
| 130 | G38B_062_050de      | 0.125 0.625 0.5     | 0.625 0.5 0.375     | 196                 | 0.125 0.604 0.625   | 53.8 -21.0            | -9.4 23.0 204.2     | 0.274 0.578 0.597     | 53.8 -21.4                           | -9.4 23.4 203.6     | 0.4 212 0.0 0.958 1.0 | 83.9 -42.0 -18.9 46.1 204.2 |
| 131 | G50B_062_050de      | 0.125 0.625 0.625   |                     |                     |                     |                       |                     |                       |                                      |                     |                       |                             |

http://130.149.60.45/~farbmetrik/SI12/SI12L0FP.PDF /.PS; 3D-linearizzazzione  
F: 3D-linearizzazzione SI12/SI12LI30FP.DAT nel file (F), pagina 18/29

| n   | HIC*Fde        | rgb_Fde          | ict_Fde           | hsi_Fde | rgb*Fde           | LabCh*Fde        | rgb*Fde    | LabCh*Fde         | DE*Fde hsiMde    | rgb*Mde        | LabCh*Mde |
|-----|----------------|------------------|-------------------|---------|-------------------|------------------|------------|-------------------|------------------|----------------|-----------|
| 162 | R00Y_025_025de | 0.25 0.0 0.0     | 0.25 0.25 0.125   | 390     | 0.25 0.0 0.065    | 12.7 19.5 9.3    | 21.6 25.4  | 0.248 0.077 0.076 | 12.1 20.4 10.6   | 23.0 27.4 1.6  | 375       |
| 163 | R00Y_025_025de | 0.25 0.0 0.125   | 0.25 0.25 0.125   | 360     | 0.25 0.0 0.154    | 13.2 20.9 -2.9   | 21.1 352.0 | 0.241 0.08 0.162  | 12.6 21.8 -4.0   | 232 249.6 1.5  | 352       |
| 164 | B50R_025_025de | 0.25 0.0 0.25    | 0.25 0.25 0.125   | 330     | 0.25 0.0 0.247    | 14.2 23.5 -14.3  | 27.5 328.6 | 0.241 0.086 0.237 | 13.7 24.5 -15.3  | 28.9 327.9 1.4 | 330       |
| 165 | B34R_037_037de | 0.25 0.0 0.375   | 0.375 0.375 0.187 | 311     | 0.166 0.0 0.375   | 13.9 29.6 -34.5  | 45.5 310.5 | 0.187 0.069 0.353 | 13.1 30.7 -36.1  | 47.4 310.2 2.0 | 296       |
| 166 | B25R_050_050de | 0.25 0.0 0.5     | 0.5 0.5 0.25      | 300     | 0.0 0.135 0.5     | 19.1 26.3 -45.3  | 52.4 300.1 | 0.131 0.148 0.474 | 18.9 26.6 -46.0  | 53.1 300.0 0.7 | 254       |
| 167 | B19R_062_062de | 0.25 0.0 0.625   | 0.625 0.625 0.312 | 293     | 0.0 0.245 0.625   | 28.0 21.7 -49.8  | 54.3 293.5 | 0.129 0.248 0.597 | 28.0 21.5 -49.8  | 54.2 293.3 0.2 | 247       |
| 168 | B15R_075_075de | 0.25 0.0 0.75    | 0.75 0.75 0.375   | 289     | 0.0 0.33 0.75     | 35.9 20.2 -56.2  | 59.8 289.7 | 0.078 0.33 0.728  | 35.7 19.6 -56.4  | 59.8 286.2 0.5 | 243       |
| 169 | B13R_087_087de | 0.25 0.0 0.875   | 0.875 0.875 0.437 | 286     | 0.0 0.416 0.875   | 43.9 18.9 -62.2  | 65.0 286.9 | 0.043 0.417 0.862 | 44.0 18.4 -62.1  | 64.8 286.5 0.5 | 241       |
| 170 | B11R_100_100de | 0.25 0.0 1.0     | 1.0 1.0 0.5       | 284     | 0.0 0.5 1.0       | 51.8 18.3 -68.3  | 70.7 285.0 | 0.0 0.502 1.0     | 51.9 18.0 -68.0  | 70.4 284.8 0.3 | 239       |
| 171 | R50Y_025_025de | 0.25 0.125 0.0   | 0.25 0.25 0.125   | 60      | 0.25 0.121 0.0    | 15.7 10.6 17.7   | 20.6 58.8  | 0.247 0.138 0.042 | 15.6 10.4 19.2   | 21.9 61.4 1.5  | 59        |
| 172 | R00Y_025_012de | 0.25 0.125 0.125 | 0.25 0.125 0.187  | 390     | 0.25 0.124 0.157  | 18.2 9.7 4.6     | 10.8 25.4  | 0.247 0.163 0.16  | 18.0 9.4 4.3     | 10.4 24.7 0.5  | 375       |
| 173 | B50R_025_012de | 0.25 0.125 0.25  | 0.25 0.125 0.187  | 330     | 0.25 0.124 0.248  | 19.0 11.7 -7.1   | 13.7 328.6 | 0.239 0.168 0.237 | 18.8 11.6 -7.6   | 13.8 326.6 0.5 | 330       |
| 174 | B25R_037_025de | 0.25 0.125 0.375 | 0.375 0.25 0.25   | 300     | 0.124 0.192 0.375 | 21.4 13.1 -22.6  | 26.2 300.1 | 0.206 0.192 0.355 | 21.0 12.8 -23.5  | 26.7 298.6 0.9 | 254       |
| 175 | B15R_050_037de | 0.25 0.125 0.5   | 0.5 0.375 0.312   | 289     | 0.124 0.29 0.5    | 29.9 10.1 -28.1  | 29.9 289.7 | 0.235 0.281 0.475 | 29.8 9.7 -28.5   | 30.1 288.7 0.5 | 243       |
| 176 | B11R_062_050de | 0.25 0.125 0.625 | 0.625 0.5 0.375   | 284     | 0.125 0.375 0.625 | 37.8 9.1 -34.1   | 35.3 285.0 | 0.266 0.363 0.597 | 37.8 8.7 -34.1   | 35.2 284.3 0.4 | 239       |
| 177 | B09R_075_062de | 0.25 0.125 0.75  | 0.75 0.625 0.437  | 281     | 0.125 0.452 0.75  | 45.3 8.9 -41.3   | 42.3 282.1 | 0.278 0.441 0.729 | 45.2 8.2 -41.2   | 42.0 281.2 0.6 | 238       |
| 178 | B07R_087_075de | 0.25 0.125 0.875 | 0.875 0.75 0.5    | 279     | 0.125 0.529 0.875 | 52.7 8.7 -48.4   | 49.2 280.2 | 0.29 0.522 0.865  | 52.7 8.2 -48.4   | 49.1 279.6 0.5 | 237       |
| 179 | B06R_100_087de | 0.25 0.125 1.0   | 1.0 0.875 0.562   | 278     | 0.125 0.603 1.0   | 60.0 9.1 -55.8   | 56.5 279.3 | 0.295 0.6 1.0     | 59.8 8.5 -55.3   | 55.9 278.7 0.8 | 236       |
| 180 | Y00G_025_025de | 0.25 0.25 0.0    | 0.25 0.25 0.125   | 90      | 0.25 0.214 0.0    | 20.9 -0.8 21.1   | 21.1 92.3  | 0.24 0.207 0.065  | 20.7 -1.5 22.6   | 22.6 93.8 1.6  | 82        |
| 181 | Y00G_025_012de | 0.25 0.25 0.125  | 0.25 0.125 0.187  | 90      | 0.25 0.232 0.124  | 22.3 -0.4 10.5   | 10.5 92.3  | 0.24 0.221 0.158  | 22.2 -1.0 10.4   | 10.5 95.4 0.6  | 82        |
| 182 | NW_025de       | 0.25 0.25 0.25   | 0.25 0.0 0.25     | 360     | 0.25 0.25 0.25    | 23.8 0.0 0.0     | 0.0 0.0    | 0.232 0.236 0.237 | 23.7 -0.4 -0.2   | 0.4 207.2 0.4  | 360       |
| 183 | B00R_037_012de | 0.25 0.25 0.375  | 0.375 0.125 0.312 | 270     | 0.249 0.326 0.375 | 31.2 0.2 -7.0    | 7.0 271.7  | 0.276 0.308 0.352 | 31.1 -0.4 -7.3   | 7.3 266.8 0.6  | 232       |
| 184 | B00R_050_025de | 0.25 0.25 0.5    | 0.5 0.25 0.375    | 270     | 0.249 0.402 0.5   | 38.6 0.4 -14.1   | 14.1 271.7 | 0.32 0.382 0.473  | 38.6 0.0 -14.4   | 14.4 269.8 0.5 | 232       |
| 185 | B00R_062_037de | 0.25 0.25 0.625  | 0.625 0.375 0.437 | 270     | 0.25 0.478 0.625  | 46.0 0.6 -21.2   | 21.2 271.7 | 0.359 0.459 0.597 | 46.0 0.0 -21.0   | 21.0 270.0 0.6 | 232       |
| 186 | B00R_075_050de | 0.25 0.25 0.75   | 0.75 0.5 0.5      | 270     | 0.25 0.554 0.75   | 53.4 0.8 -28.3   | 28.3 271.7 | 0.394 0.538 0.728 | 53.4 0.4 -28.1   | 28.1 270.8 0.4 | 232       |
| 187 | B00R_087_062de | 0.25 0.25 0.875  | 0.875 0.625 0.562 | 270     | 0.25 0.63 0.875   | 60.8 1.0 -35.3   | 35.3 271.7 | 0.424 0.617 0.864 | 60.7 1.0 -35.5   | 35.5 271.6 0.2 | 232       |
| 188 | B00R_100_075de | 0.25 0.25 1.0    | 1.0 0.75 0.625    | 270     | 0.25 0.707 1.0    | 68.2 1.2 -42.4   | 42.4 271.7 | 0.45 0.701 1.0    | 68.1 0.9 -42.1   | 42.1 271.2 0.5 | 232       |
| 189 | Y31G_037_037de | 0.25 0.375 0.0   | 0.375 0.375 0.187 | 109     | 0.302 0.375 0.0   | 33.5 -14.8 32.6  | 35.8 114.4 | 0.292 0.35 0.089  | 33.4 -15.5 33.4  | 36.9 114.9 1.0 | 100       |
| 190 | Y50G_037_025de | 0.25 0.375 0.125 | 0.375 0.25 0.25   | 120     | 0.357 0.375 0.124 | 33.4 -15.7 20.7  | 26.0 127.2 | 0.264 0.353 0.185 | 33.4 -16.5 21.0  | 26.7 128.0 0.8 | 118       |
| 191 | G00B_037_012de | 0.25 0.375 0.25  | 0.375 0.125 0.312 | 150     | 0.249 0.375 0.338 | 34.4 -8.0 2.5    | 8.4 162.2  | 0.279 0.353 0.32  | 34.4 -8.7 2.4    | 9.1 164.6 0.7  | 193       |
| 192 | G50B_037_012de | 0.25 0.375 0.375 | 0.375 0.125 0.312 | 210     | 0.249 0.361 0.375 | 33.7 -4.2 -3.2   | 5.3 216.9  | 0.281 0.34 0.351  | 33.6 -4.9 -3.4   | 6.0 215.0 0.6  | 215       |
| 193 | G75B_050_025de | 0.25 0.375 0.5   | 0.5 0.25 0.375    | 240     | 0.249 0.44 0.5    | 41.3 -4.7 -9.9   | 10.9 244.3 | 0.321 0.419 0.472 | 41.3 -5.4 -10.1  | 11.5 241.8 0.7 | 223       |
| 194 | G84B_062_037de | 0.25 0.375 0.625 | 0.625 0.375 0.437 | 251     | 0.25 0.516 0.625  | 48.7 -4.7 -17.1  | 17.1 254.3 | 0.36 0.497 0.597  | 48.8 -5.2 -16.9  | 17.7 257.2 0.5 | 226       |
| 195 | G88B_075_050de | 0.25 0.375 0.75  | 0.75 0.5 0.5      | 256     | 0.25 0.592 0.75   | 56.1 -4.7 -24.3  | 24.7 258.9 | 0.39 0.575 0.729  | 56.0 -5.0 -24.2  | 24.8 258.2 0.3 | 227       |
| 196 | G90B_087_062de | 0.25 0.375 0.875 | 0.875 0.625 0.562 | 259     | 0.25 0.668 0.875  | 63.5 -4.5 -31.4  | 31.7 261.6 | 0.418 0.657 0.865 | 63.3 -4.7 -31.6  | 31.9 261.5 0.2 | 228       |
| 197 | G92B_100_075de | 0.25 0.375 1.0   | 1.0 0.75 0.625    | 261     | 0.25 0.744 1.0    | 70.9 -4.3 -38.5  | 38.7 263.5 | 0.446 0.741 1.0   | 70.7 -4.7 -38.0  | 38.3 262.8 0.6 | 229       |
| 198 | Y50G_050_050de | 0.25 0.5 0.0     | 0.5 0.5 0.25      | 120     | 0.264 0.5 0.0     | 42.9 -31.5 41.4  | 52.0 127.2 | 0.273 0.472 0.095 | 43.0 -32.2 42.2  | 53.1 127.3 1.0 | 118       |
| 199 | Y68G_050_037de | 0.25 0.5 0.125   | 0.5 0.375 0.312   | 131     | 0.124 0.5 0.227   | 43.3 -30.0 25.1  | 39.1 140.0 | 0.252 0.476 0.246 | 43.5 -30.0 25.3  | 39.6 140.1 0.4 | 165       |
| 200 | G00B_050_025de | 0.25 0.5 0.25    | 0.5 0.25 0.375    | 150     | 0.249 0.5 0.426   | 45.1 -16.1 5.1   | 16.9 162.2 | 0.325 0.475 0.407 | 45.1 -16.8 5.0   | 17.5 163.4 0.6 | 193       |
| 201 | G25B_050_025de | 0.25 0.5 0.375   | 0.5 0.25 0.375    | 180     | 0.249 0.5 0.487   | 45.4 -12.4 -2.1  | 12.6 189.6 | 0.329 0.474 0.461 | 45.5 -13.1 -2.2  | 13.3 189.8 0.7 | 207       |
| 202 | G50B_050_025de | 0.25 0.5 0.5     | 0.5 0.25 0.375    | 210     | 0.249 0.472 0.5   | 43.6 -8.5 -6.4   | 10.7 216.9 | 0.324 0.448 0.471 | 43.6 -9.3 -6.6   | 11.5 215.3 0.8 | 215       |
| 203 | G65B_062_037de | 0.25 0.5 0.625   | 0.625 0.375 0.437 | 229     | 0.25 0.553 0.625  | 51.3 -9.4 -13.1  | 16.2 234.3 | 0.364 0.532 0.597 | 51.4 -9.9 -12.9  | 16.3 232.5 0.5 | 220       |
| 204 | G75B_075_050de | 0.25 0.5 0.75    | 0.75 0.5 0.5      | 240     | 0.25 0.631 0.75   | 58.8 -9.5 -19.8  | 21.9 244.3 | 0.4 0.612 0.727   | 58.7 -9.5 -19.8  | 22.0 244.2 0.1 | 223       |
| 205 | G80B_087_062de | 0.25 0.5 0.875   | 0.875 0.625 0.562 | 247     | 0.25 0.706 0.875  | 66.1 -9.4 -27.0  | 28.6 250.7 | 0.425 0.695 0.863 | 66.0 -9.6 -27.1  | 28.8 250.5 0.2 | 225       |
| 206 | G84B_100_075de | 0.25 0.5 1.0     | 1.0 0.75 0.625    | 251     | 0.25 0.782 1.0    | 73.6 -9.5 -34.3  | 35.6 254.3 | 0.446 0.781 1.0   | 73.4 -10.0 -33.8 | 35.3 254.3 0.6 | 226       |
| 207 | Y61G_062_062de | 0.25 0.625 0.0   | 0.625 0.625 0.312 | 127     | 0.082 0.625 0.0   | 52.3 -50.8 50.0  | 71.3 135.4 | 0.159 0.596 0.093 | 52.2 -51.3 50.6  | 72.0 135.4 0.7 | 142       |
| 208 | Y76G_062_050de | 0.25 0.625 0.125 | 0.625 0.5 0.375   | 136     | 0.125 0.625 0.343 | 54.0 -38.0 25.7  | 45.9 145.9 | 0.272 0.599 0.344 | 53.9 -38.3 25.6  | 46.1 146.2 0.3 | 175       |
| 209 | G00B_062_037de | 0.25 0.625 0.25  | 0.625 0.375 0.437 | 150     | 0.25 0.625 0.514  | 55.7 -24.2 7.7   | 25.4 162.2 | 0.37 0.599 0.497  | 55.7 -24.1 7.4   | 25.3 162.8 0.3 | 193       |
| 210 | G15B_062_037de | 0.25 0.625 0.375 | 0.625 0.375 0.437 | 169     | 0.25 0.625 0.58   | 56.1 -20.3 0.1   | 20.3 179.5 | 0.375 0.598 0.554 | 56.0 -20.4 0.0   | 20.4 179.9 0.1 | 203       |
| 211 | G34B_062_037de | 0.25 0.625 0.5   | 0.625 0.375 0.437 | 191     | 0.25 0.618 0.625  | 55.9 -16.7 -5.9  | 17.7 199.6 | 0.379 0.591 0.595 | 55.8 -16.8 -5.9  | 17.9 199.3 0.1 | 210       |
| 212 | G50B_062_037de | 0.25 0.625 0.625 | 0.625 0.375 0.437 | 210     | 0.25 0.583 0.625  | 53.5 -12.8 -9.6  | 16.0 216.9 | 0.371 0.559 0.595 | 53.4 -13.2 -9.5  | 16.3 215.8 0.3 | 215       |
| 213 | G61B_075_050de | 0.25 0.625 0.75  | 0.75 0.5 0.5      | 224     | 0.25 0.664 0.75   | 61.2 -13.8 -16.3 | 21.4 229.7 | 0.399 0.645 0.728 | 61.0 -13.9 -16.4 | 21.5 229.6 0.2 | 219       |
| 214 | G69B_087_062de | 0.25 0.625 0.875 | 0.875 0.625 0.562 | 233     | 0.25 0.745 0.875  | 68.9 -14.4 -23.0 | 27.1 237.9 | 0.425 0.734 0.864 | 68.7 -14.5 -23.1 | 27.3 237.7 0.2 | 221       |
| 215 | G75B_100_075de | 0.25 0.625 1.0   | 1.0 0.75 0.625    | 240     | 0.25 0.822 1.0    | 76.3 -14.2 -29.7 | 32.9 244.3 | 0.457 0.821 1.0   | 76.2 -14.6 -29.4 | 32.9 243.6 0.4 | 223       |
| 216 | Y68G_075_075de | 0.25 0.75 0.0    | 0.75 0.75 0.375   | 131     | 0.0 0.75 0.204    | 62.8 -60.1 50.2  | 78.3 140.0 | 0.129 0.726 0.217 | 62.8 -60.2 50.6  | 78.6 139.9 0.3 | 165       |
| 217 | Y81G_075_062de | 0.25 0.75 0.125  | 0.75 0.625 0.437  | 139     | 0.125 0.75 0.445  | 64.6 -45.8 27.1  | 53.2 149.4 | 0.294 0.729 0.441 | 64.5 -46.1 26.8  | 53.4 149.7 0.3 | 180       |
| 218 | G00B_075_050de | 0.25 0.75 0.25   | 0.75 0.5 0.5      | 150     | 0.125 0.75 0.603  | 66.4 -32.3 10.3  | 33.9 162.2 | 0.404 0.73 0.587  | 66.3 -32.5 10.3  | 34.1 162.4 0.2 | 193       |
| 219 | G11B_075_050de | 0.25 0.75 0.375  | 0.75 0.5 0.5      | 164     | 0.125 0.75 0.669  | 66.7 -28.5 2.4   | 28.6 175.0 | 0.409 0.729 0.649 | 66.6 -28.7 2.5   | 28.8 174.9 0.1 | 201       |
| 220 | G25B_075_050de | 0.25 0.75 0.5    | 0.75 0.5 0.5      | 180     | 0.125 0.75 0.725  | 68.1 -24.9 -4.2  | 25.3 189.6 | 0.413 0.728 0.703 | 67.0 -25.1 -4.2  | 25.5 189.4 0.2 | 207       |
| 221 | G38B_075_050de | 0.25 0.75 0.625  | 0.75 0.5 0.5      | 196     | 0.125 0.729 0.75  | 65.8 -21.0 -9.4  | 23.0 204.2 | 0.411 0.708 0.727 | 65.6 -21.2 -9.4  | 23.2 204.0 0.2 | 212       |
| 222 | G50B_075_050de | 0.25 0.75 0.75   | 0.75 0.5 0.5      | 210     | 0.125 0.695 0.75  | 63.3 -17.1 -12.8 | 21.4 216.9 | 0.408 0.674 0.726 | 63.2 -17.3 -12.9 | 21.6 216.8 0.2 | 215       |
| 223 | G59B_087_062de | 0.25 0.75 0.875  | 0.875 0.625 0.562 | 221     | 0.125 0.776 0.875 | 71.1 -18.1 -19.5 | 26.6 227.0 | 0.431 0.765 0.863 | 71.0 -18.3 -19.6 | 26.8 2         |           |

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb* <sub>Mde</sub> | LabCh* <sub>Mde</sub> |                  |             |       |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|------------------|-------------|-------|
| 243 | R00Y_037_037 <sub>de</sub> | 0.375 0.0 0.0       | 0.375 0.375 0.187   | 390                 | 0.375 0.0 0.098     | 19.0 29.3 13.9        | 32.5 25.4           | 0.363 0.092 0.113     | 18.7 30.3 14.0                       | 33.4 24.7 1.0       | 375 0.0 0.263         | 50.9 78.3 37.3   | 86.7 25.4   |       |
| 244 | R18Y_037_037 <sub>de</sub> | 0.375 0.0 0.125     | 0.375 0.375 0.187   | 371                 | 0.375 0.0 0.182     | 19.4 30.4 2.2         | 30.5 4.3            | 0.358 0.096 0.188     | 19.1 31.2 1.6                        | 31.2 2.9 1.0        | 360 0.0 0.486         | 51.9 81.1 6.1    | 81.3 4.3    |       |
| 245 | B65R_037_037 <sub>de</sub> | 0.375 0.0 0.25      | 0.375 0.375 0.187   | 349                 | 0.375 0.0 0.257     | 20.1 32.0 -7.6        | 32.9 346.6          | 0.358 0.098 0.252     | 19.8 33.0 -8.2                       | 34.0 346.0 1.1      | 347 1.0 0.0 0.686     | 53.6 85.5 -20.3  | 87.9 346.6  |       |
| 246 | B50R_037_037 <sub>de</sub> | 0.375 0.0 0.375     | 0.375 0.375 0.187   | 330                 | 0.375 0.0 0.371     | 21.4 35.3 -21.5       | 41.3 328.6          | 0.355 0.106 0.351     | 21.1 35.8 -22.2                      | 42.2 328.2 0.9      | 330 1.0 0.0 0.991     | 57.1 94.1 -57.4  | 110.3 328.6 |       |
| 247 | B38R_050_050 <sub>de</sub> | 0.375 0.0 0.5       | 0.5 0.5 0.25        | 316                 | 0.319 0.0 0.5       | 21.6 41.4 -40.9       | 58.2 315.3          | 0.317 0.085 0.473     | 21.1 42.4 -42.1                      | 59.8 315.2 1.6      | 309 0.638 0.0 1.0     | 43.2 82.9 -81.9  | 116.5 315.3 |       |
| 248 | B30R_062_062 <sub>de</sub> | 0.375 0.0 0.625     | 0.625 0.625 0.312   | 307                 | 0.091 0.0 0.625     | 19.5 47.7 -63.7       | 79.6 306.8          | 0.166 0.055 0.596     | 18.9 48.7 -64.6                      | 80.9 306.9 1.4      | 277 0.145 0.0 1.0     | 31.2 76.3 -102.0 | 127.4 306.8 |       |
| 249 | B25R_075_075 <sub>de</sub> | 0.375 0.0 0.75      | 0.75 0.75 0.375     | 300                 | 0.0 0.202 0.75      | 28.6 39.5 -68.0       | 78.7 300.1          | 0.12 0.206 0.727      | 28.3 39.9 -68.4                      | 79.2 300.2 0.6      | 254 0.0 0.27 1.0      | 38.2 52.7 -90.7  | 104.1 300.1 |       |
| 250 | B20R_087_087 <sub>de</sub> | 0.375 0.0 0.875     | 0.875 0.875 0.437   | 295                 | 0.0 0.318 0.875     | 37.8 34.2 -72.0       | 79.7 295.4          | 0.061 0.318 0.861     | 37.6 34.0 -72.3                      | 79.9 295.2 0.3      | 248 0.0 0.364 1.0     | 43.2 39.1 -82.3  | 91.1 295.4  |       |
| 251 | B18R_100_100 <sub>de</sub> | 0.375 0.0 1.0       | 1.0 1.0 0.5         | 292                 | 0.0 0.404 1.0       | 45.7 32.7 -78.6       | 85.1 292.5          | 0.0 0.407 1.0         | 45.8 32.6 -78.0                      | 84.5 292.7 0.6      | 246 0.0 0.404 1.0     | 45.7 32.7 -78.6  | 85.1 292.5  |       |
| 252 | R31Y_037_037 <sub>de</sub> | 0.375 0.125 0.0     | 0.375 0.375 0.187   | 49                  | 0.375 0.108 0.0     | 20.7 23.6 25.0        | 34.4 46.6           | 0.364 0.138 0.042     | 20.6 23.8 26.4                       | 35.6 47.8 1.3       | 46 1.0 0.29 0.0       | 55.4 63.0 66.8   | 91.8 46.6   |       |
| 253 | R00Y_037_025 <sub>de</sub> | 0.375 0.125 0.125   | 0.375 0.25 0.25     | 390                 | 0.375 0.124 0.19    | 24.6 19.5 9.3         | 21.6 25.4           | 0.368 0.189 0.189     | 24.3 19.8 8.9                        | 21.7 24.2 0.5       | 375 1.0 0.0 0.263     | 50.9 78.3 37.3   | 86.7 25.4   |       |
| 254 | R00Y_037_025 <sub>de</sub> | 0.375 0.125 0.25    | 0.375 0.25 0.25     | 360                 | 0.375 0.124 0.279   | 25.1 20.9 -2.9        | 21.1 352.0          | 0.361 0.193 0.27      | 24.8 21.3 -3.5                       | 21.6 350.6 0.7      | 352 1.0 0.0 0.617     | 52.9 83.6 -11.6  | 84.4 352.0  |       |
| 255 | B50R_037_025 <sub>de</sub> | 0.375 0.125 0.375   | 0.375 0.25 0.25     | 330                 | 0.375 0.124 0.372   | 26.2 23.5 -14.3       | 27.5 328.6          | 0.357 0.199 0.351     | 25.9 23.9 -15.0                      | 28.2 327.7 0.8      | 330 1.0 0.0 0.991     | 57.1 94.1 -57.4  | 110.3 328.6 |       |
| 256 | B34R_050_037 <sub>de</sub> | 0.375 0.125 0.5     | 0.5 0.375 0.312     | 311                 | 0.291 0.124 0.5     | 25.8 29.6 -34.5       | 45.5 310.5          | 0.313 0.185 0.476     | 25.4 30.0 -35.5                      | 46.5 310.2 1.1      | 296 0.444 0.0 1.0     | 37.0 79.0 -92.2  | 121.5 310.5 |       |
| 257 | B25R_062_050 <sub>de</sub> | 0.375 0.125 0.625   | 0.625 0.5 0.375     | 300                 | 0.125 0.26 0.625    | 31.0 26.3 -45.3       | 52.4 300.1          | 0.276 0.258 0.599     | 30.9 26.0 -45.4                      | 52.3 299.8 0.3      | 254 0.0 0.27 1.0      | 38.2 52.7 -90.7  | 104.9 300.1 |       |
| 258 | B19R_075_062 <sub>de</sub> | 0.375 0.125 0.75    | 0.75 0.625 0.437    | 293                 | 0.125 0.37 0.75     | 40.0 21.7 -49.8       | 54.3 293.5          | 0.289 0.36 0.729      | 39.9 21.3 -49.8                      | 54.2 293.1 0.3      | 247 0.0 0.392 1.0     | 44.9 34.7 -79.7  | 86.9 293.5  |       |
| 259 | B15R_087_075 <sub>de</sub> | 0.375 0.125 0.875   | 0.875 0.75 0.5      | 289                 | 0.125 0.455 0.875   | 47.9 20.2 -56.2       | 59.8 289.7          | 0.296 0.448 0.866     | 47.8 19.7 -56.3                      | 59.6 289.3 0.4      | 243 0.0 0.44 1.0      | 47.9 26.9 -75.0  | 79.7 289.7  |       |
| 260 | B13R_100_087 <sub>de</sub> | 0.375 0.125 1.0     | 1.0 0.875 0.562     | 286                 | 0.125 0.541 1.0     | 55.9 18.9 -62.2       | 65.0 286.9          | 0.307 0.537 1.0       | 55.8 18.1 -61.7                      | 64.3 286.3 0.9      | 241 0.0 0.476 1.0     | 50.2 21.6 -71.1  | 74.3 286.9  |       |
| 261 | R68Y_037_037 <sub>de</sub> | 0.375 0.25 0.0      | 0.375 0.375 0.187   | 71                  | 0.375 0.234 0.0     | 26.3 9.6 28.1         | 29.7 71.1           | 0.358 0.232 0.067     | 26.1 9.6 29.2                        | 30.7 71.7 1.0       | 68 1.0 0.626 0.0      | 70.1 25.6 75.1   | 79.3 71.1   |       |
| 262 | R50Y_037_025 <sub>de</sub> | 0.375 0.25 0.125    | 0.375 0.25 0.25     | 60                  | 0.375 0.246 0.124   | 27.7 10.6 17.7        | 20.6 58.8           | 0.367 0.245 0.161     | 27.6 10.5 17.8                       | 20.7 59.3 0.1       | 59 1.0 0.487 0.0      | 63.1 42.7 70.8   | 82.7 58.8   |       |
| 263 | R00Y_037_012 <sub>de</sub> | 0.375 0.25 0.25     | 0.375 0.125 0.312   | 390                 | 0.375 0.249 0.282   | 30.2 9.7 4.6          | 10.8 25.5           | 0.366 0.273 0.268     | 30.1 9.6 4.5                         | 10.6 25.2 0.2       | 375 1.0 0.0 0.263     | 50.9 78.3 37.3   | 86.7 25.4   |       |
| 264 | B50R_037_012 <sub>de</sub> | 0.375 0.25 0.375    | 0.375 0.125 0.312   | 330                 | 0.375 0.249 0.373   | 31.0 11.7 -7.1        | 13.7 328.6          | 0.355 0.279 0.351     | 30.9 11.5 -7.4                       | 13.7 326.9 0.4      | 330 1.0 0.0 0.991     | 57.1 94.1 -57.4  | 110.3 328.6 |       |
| 265 | B25R_050_025 <sub>de</sub> | 0.375 0.25 0.5      | 0.5 0.25 0.375      | 300                 | 0.249 0.317 0.5     | 33.4 13.1 -22.6       | 26.2 300.1          | 0.327 0.304 0.476     | 33.2 12.7 -23.1                      | 26.4 298.8 0.6      | 254 0.0 0.27 1.0      | 38.2 52.7 -90.7  | 104.9 300.1 |       |
| 266 | B15R_062_037 <sub>de</sub> | 0.375 0.25 0.625    | 0.625 0.375 0.437   | 289                 | 0.25 0.415 0.625    | 41.8 10.1 -28.1       | 29.9 289.7          | 0.362 0.398 0.6       | 41.8 9.6 -28.0                       | 29.6 288.9 0.4      | 243 0.0 0.44 1.0      | 47.9 26.9 -75.0  | 79.7 289.7  |       |
| 267 | B11R_075_050 <sub>de</sub> | 0.375 0.25 0.75     | 0.75 0.5 0.5        | 284                 | 0.25 0.5 0.75       | 49.7 9.1 -34.1        | 35.3 285.0          | 0.399 0.483 0.728     | 49.7 8.6 -33.9                       | 35.0 284.3 0.5      | 239 0.0 0.5 1.0       | 51.8 18.3 -68.3  | 70.7 285.0  |       |
| 268 | B09R_087_062 <sub>de</sub> | 0.375 0.25 0.875    | 0.875 0.625 0.562   | 281                 | 0.25 0.577 0.875    | 57.2 8.9 -41.3        | 42.3 282.1          | 0.423 0.563 0.866     | 57.1 8.6 -41.4                       | 42.3 281.8 0.2      | 238 0.0 0.523 1.0     | 53.3 14.2 -66.1  | 67.7 282.1  |       |
| 269 | B07R_100_075 <sub>de</sub> | 0.375 0.25 1.0      | 1.0 0.75 0.625      | 279                 | 0.25 0.654 1.0      | 64.6 8.7 -48.4        | 49.2 280.2          | 0.477 0.646 1.0       | 64.4 8.2 -47.8                       | 48.5 279.8 0.8      | 237 0.0 0.539 1.0     | 54.4 11.7 -64.6  | 65.6 280.2  |       |
| 270 | Y00G_037_037 <sub>de</sub> | 0.375 0.375 0.0     | 0.375 0.375 0.187   | 90                  | 0.375 0.321 0.0     | 31.3 -1.2 31.6        | 31.7 92.3           | 0.354 0.305 0.081     | 31.3 -1.7 32.6                       | 32.6 93.0 1.0       | 82 1.0 0.856 0.0      | 83.7 -3.4 84.5   | 92.3        |       |
| 271 | Y00G_037_025 <sub>de</sub> | 0.375 0.375 0.125   | 0.375 0.25 0.25     | 90                  | 0.375 0.339 0.124   | 32.8 -0.8 21.1        | 21.1 92.3           | 0.357 0.319 0.18      | 32.7 -0.4 21.3                       | 21.3 93.7 0.6       | 82 1.0 0.856 0.0      | 83.7 -3.4 84.5   | 92.3        |       |
| 272 | Y00G_037_012 <sub>de</sub> | 0.375 0.375 0.25    | 0.375 0.125 0.312   | 90                  | 0.375 0.357 0.249   | 34.3 -0.4 10.5        | 10.5 92.3           | 0.356 0.334 0.267     | 34.2 -0.8 10.4                       | 10.4 94.5 0.4       | 82 1.0 0.856 0.0      | 83.7 -3.4 84.5   | 92.3        |       |
| 273 | NW_037 <sub>de</sub>       | 0.375 0.375 0.375   | 0.375 0.0 0.375     | 360                 | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.0 0.0             | 0.345 0.35 0.35       | 35.7 -0.4 -0.2                       | 0.5 205.6 0.5       | 360 1.0 1.0 1.0       | 95.4 0.0 0.0     | 0.0         |       |
| 274 | B00R_050_012 <sub>de</sub> | 0.375 0.375 0.5     | 0.5 0.125 0.437     | 270                 | 0.375 0.451 0.5     | 43.1 0.2 -7.0         | 7.0 271.7           | 0.396 0.426 0.472     | 43.2 -0.2 -7.2                       | 7.2 268.3 0.4       | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6   | 56.6 271.7  |       |
| 275 | B00R_062_025 <sub>de</sub> | 0.375 0.375 0.625   | 0.625 0.25 0.5      | 270                 | 0.375 0.527 0.625   | 50.5 0.4 -14.1        | 14.1 271.7          | 0.445 0.504 0.597     | 50.6 0.0 -14.0                       | 14.0 270.1 0.4      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6   | 56.6 271.7  |       |
| 276 | B00R_075_037 <sub>de</sub> | 0.375 0.375 0.75    | 0.75 0.375 0.562    | 270                 | 0.375 0.603 0.75    | 57.9 0.6 -21.2        | 21.2 271.7          | 0.487 0.582 0.728     | 57.9 0.4 -21.2                       | 21.2 271.3 0.1      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6   | 56.6 271.7  |       |
| 277 | B00R_087_050 <sub>de</sub> | 0.375 0.375 0.875   | 0.875 0.5 0.625     | 270                 | 0.375 0.679 0.875   | 65.4 0.8 -28.3        | 28.3 271.7          | 0.527 0.664 0.864     | 65.2 0.8 -28.4                       | 28.4 271.6 0.2      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6   | 56.6 271.7  |       |
| 278 | B00R_100_062 <sub>de</sub> | 0.375 0.375 1.0     | 1.0 0.625 0.687     | 270                 | 0.375 0.755 1.0     | 72.8 1.0 -35.3        | 35.3 271.7          | 0.564 0.748 1.0       | 72.6 0.7 -34.9                       | 34.9 271.5 0.5      | 232 0.0 0.609 1.0     | 59.2 1.7 -56.6   | 56.6 271.7  |       |
| 279 | Y23G_050_050 <sub>de</sub> | 0.375 0.5 0.0       | 0.5 0.5 0.25        | 104                 | 0.453 0.5 0.0       | 45.5 -14.9 44.4       | 46.9 108.6          | 0.432 0.47 0.099      | 45.5 -15.4 45.1                      | 47.7 108.8 0.8      | 94 0.906 1.0 0.0      | 91.0 -29.9       | 88.9 93.8   | 108.6 |
| 280 | Y31G_050_037 <sub>de</sub> | 0.375 0.5 0.125     | 0.5 0.375 0.312     | 109                 | 0.427 0.5 0.124     | 45.4 -14.8 32.6       | 35.8 114.4          | 0.416 0.471 0.209     | 45.4 -15.4 33.1                      | 36.5 114.9 0.7      | 100 0.806 1.0 0.0     | 89.4 -39.5       | 87.0 95.6   | 114.4 |
| 281 | Y50G_050_025 <sub>de</sub> | 0.375 0.5 0.25      | 0.5 0.25 0.375      | 120                 | 0.382 0.5 0.249     | 45.3 -15.7 20.7       | 20.7 127.2          | 0.384 0.474 0.299     | 45.4 -16.2 20.8                      | 20.6 127.9 0.5      | 118 0.528 1.0 0.0     | 85.9 -63.0       | 82.8 104.1  | 127.2 |
| 282 | G00B_050_012 <sub>de</sub> | 0.375 0.5 0.375     | 0.5 0.125 0.437     | 150                 | 0.375 0.5 0.463     | 46.4 -8.0 2.5         | 8.4 162.2           | 0.399 0.474 0.438     | 46.4 -8.5 2.4                        | 8.9 163.9 0.5       | 193 0.0 1.0 0.706     | 85.1 -64.6       | 20.7 67.9   | 162.2 |
| 283 | G50B_050_012 <sub>de</sub> | 0.375 0.5 0.5       | 0.5 0.125 0.437     | 210                 | 0.375 0.486 0.5     | 45.6 -4.2 -3.2        | 5.3 216.9           | 0.4 0.459 0.471       | 45.7 -4.7 -3.3                       | 5.8 215.5 0.4       | 215 0.0 0.89 1.0      | 79.0 -34.2       | -25.7 42.8  | 216.9 |
| 284 | G75B_062_025 <sub>de</sub> | 0.375 0.5 0.625     | 0.625 0.25 0.5      | 240                 | 0.375 0.565 0.625   | 53.2 -4.7 -9.9        | 10.9 244.3          | 0.445 0.541 0.595     | 53.2 -5.2 -9.8                       | 11.1 242.0 0.4      | 223 0.0 0.763 1.0     | 70.0 -19.0       | -39.6 43.9  | 244.3 |
| 285 | G84B_075_037 <sub>de</sub> | 0.375 0.5 0.75      | 0.75 0.375 0.562    | 251                 | 0.375 0.641 0.75    | 60.6 -4.7 -17.1       | 17.8 254.3          | 0.489 0.62 0.728      | 60.5 -4.6 -17.2                      | 17.8 254.7 0.1      | 226 0.0 0.71 1.0      | 66.3 -12.7       | -45.7 47.4  | 254.3 |
| 286 | G88B_087_050 <sub>de</sub> | 0.375 0.5 0.875     | 0.875 0.5 0.625     | 256                 | 0.375 0.717 0.875   | 68.0 -4.7 -24.3       | 24.7 258.9          | 0.524 0.704 0.865     | 67.9 -4.7 -24.4                      | 24.9 258.9 0.1      | 227 0.0 0.685 1.0     | 64.5 -9.4        | -48.6 49.5  | 258.9 |
| 287 | G90B_100_062 <sub>de</sub> | 0.375 0.5 1.0       | 1.0 0.625 0.687     | 259                 | 0.375 0.793 1.0     | 75.4 -4.5 -31.4       | 31.7 261.6          | 0.558 0.79 1.0        | 75.2 -5.1 -30.9                      | 31.3 260.5 0.7      | 228 0.0 0.67 1.0      | 63.4 -7.3        | -50.3 50.8  | 261.6 |
| 288 | Y38G_062_062 <sub>de</sub> | 0.375 0.625 0.0     | 0.625 0.625 0.312   | 113                 | 0.449 0.625 0.0     | 55.0 -29.7 53.4       | 61.1 119.1          | 0.439 0.594 0.096     | 54.9 -29.9 53.9                      | 61.6 119.0 0.5      | 105 0.719 1.0 0.0     | 88.1 -47.6       | 85.4 97.8   | 119.1 |
| 289 | Y50G_062_050 <sub>de</sub> | 0.375 0.625 0.125   | 0.625 0.5 0.375     | 120                 | 0.389 0.625 0.125   | 54.9 -31.5 41.4       | 52.0 127.2          | 0.402 0.597 0.226     | 54.8 -31.7 41.6                      | 52.3 127.3 0.2      | 118 0.528 1.0 0.0     | 85.9 -63.0       | 82.8 104.1  | 127.2 |
| 290 | Y68G_062_037 <sub>de</sub> | 0.375 0.625 0.25    | 0.625 0.375 0.437   | 131                 | 0.25 0.625 0.352    | 55.2 -30.0 25.1       | 39.1 140.0          | 0.377 0.6 0.363       | 55.2 -30.0 25.0                      | 39.0 140.1 0.1      | 165 0.0 1.0 0.273     | 83.8 -80.1       | 67.0 104.0  | 140.0 |
| 291 | G00B_062_025 <sub>de</sub> | 0.375 0.625 0.375   | 0.625 0.25 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |
|-----|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| 324 | R00Y_050_050a       | 0.5                 | 0.0                 | 0.0                 | 0.5                 | 0.5                   | 0.25                | 390                   | 0.5                                  | 0.0                 | 0.131                 | 25.4                                 | 39.1                | 18.6                  |
| 325 | R26Y_050_050a       | 0.5                 | 0.0                 | 0.125               | 0.5                 | 0.5                   | 0.25                | 376                   | 0.5                                  | 0.0                 | 0.214                 | 25.8                                 | 40.2                | 7.0                   |
| 326 | R00Y_050_050a       | 0.5                 | 0.0                 | 0.25                | 0.5                 | 0.5                   | 0.25                | 360                   | 0.5                                  | 0.0                 | 0.308                 | 26.4                                 | 41.8                | -5.8                  |
| 327 | B61R_050_050a       | 0.5                 | 0.0                 | 0.375               | 0.5                 | 0.5                   | 0.25                | 344                   | 0.5                                  | 0.0                 | 0.373                 | 27.0                                 | 43.3                | -14.1                 |
| 328 | B50R_050_050a       | 0.5                 | 0.0                 | 0.5                 | 0.5                 | 0.5                   | 0.25                | 330                   | 0.5                                  | 0.0                 | 0.495                 | 28.5                                 | 47.0                | -28.7                 |
| 329 | B40R_062_062a       | 0.5                 | 0.0                 | 0.625               | 0.625               | 0.625                 | 0.312               | 319                   | 0.455                                | 0.0                 | 0.625                 | 29.0                                 | 53.3                | -47.7                 |
| 330 | B34R_075_075a       | 0.5                 | 0.0                 | 0.75                | 0.75                | 0.75                  | 0.375               | 311                   | 0.333                                | 0.0                 | 0.75                  | 27.8                                 | 59.3                | -69.1                 |
| 331 | B29R_087_087a       | 0.5                 | 0.0                 | 0.875               | 0.875               | 0.875                 | 0.437               | 305                   | 0.0                                  | 0.102               | 0.875                 | 28.3                                 | 61.2                | -87.7                 |
| 332 | B25R_100_100a       | 0.5                 | 0.0                 | 1.0                 | 1.0                 | 1.0                   | 0.5                 | 300                   | 0.0                                  | 0.27                | 1.0                   | 38.2                                 | 52.7                | -90.7                 |
| 333 | R23Y_050_050a       | 0.5                 | 0.125               | 0.0                 | 0.5                 | 0.5                   | 0.25                | 44                    | 0.5                                  | 0.051               | 0.0                   | 25.6                                 | 37.2                | 32.4                  |
| 334 | R00Y_050_037a       | 0.5                 | 0.125               | 0.125               | 0.5                 | 0.375                 | 0.312               | 390                   | 0.5                                  | 0.124               | 0.223                 | 31.0                                 | 29.3                | 13.9                  |
| 335 | R18Y_050_037a       | 0.5                 | 0.125               | 0.25                | 0.5                 | 0.375                 | 0.312               | 371                   | 0.5                                  | 0.124               | 0.307                 | 31.4                                 | 30.4                | 2.2                   |
| 336 | B65R_050_037a       | 0.5                 | 0.125               | 0.375               | 0.5                 | 0.375                 | 0.312               | 349                   | 0.5                                  | 0.124               | 0.382                 | 32.0                                 | 32.0                | -7.6                  |
| 337 | B50R_050_037a       | 0.5                 | 0.125               | 0.5                 | 0.5                 | 0.375                 | 0.312               | 330                   | 0.5                                  | 0.124               | 0.496                 | 33.3                                 | 35.3                | -21.5                 |
| 338 | B38R_062_050a       | 0.5                 | 0.125               | 0.625               | 0.625               | 0.5                   | 0.375               | 316                   | 0.444                                | 0.125               | 0.625                 | 33.5                                 | 41.4                | -40.9                 |
| 339 | B30R_075_062a       | 0.5                 | 0.125               | 0.75                | 0.75                | 0.625                 | 0.437               | 307                   | 0.216                                | 0.125               | 0.75                  | 31.4                                 | 47.7                | -63.7                 |
| 340 | B25R_087_075a       | 0.5                 | 0.125               | 0.875               | 0.875               | 0.75                  | 0.5                 | 300                   | 0.125                                | 0.327               | 0.875                 | 40.6                                 | 39.5                | -68.0                 |
| 341 | B20R_100_087a       | 0.5                 | 0.125               | 1.0                 | 1.0                 | 0.875                 | 0.562               | 295                   | 0.125                                | 0.443               | 1.0                   | 49.7                                 | 34.7                | -72.0                 |
| 342 | R50Y_050_050a       | 0.5                 | 0.25                | 0.0                 | 0.5                 | 0.5                   | 0.25                | 60                    | 0.5                                  | 0.243               | 0.0                   | 31.5                                 | 21.3                | 35.4                  |
| 343 | R31Y_050_037a       | 0.5                 | 0.25                | 0.125               | 0.5                 | 0.375                 | 0.312               | 49                    | 0.5                                  | 0.233               | 0.124                 | 32.7                                 | 23.6                | 25.0                  |
| 344 | R00Y_050_025a       | 0.5                 | 0.25                | 0.25                | 0.5                 | 0.25                  | 0.375               | 390                   | 0.5                                  | 0.249               | 0.315                 | 36.5                                 | 19.5                | 9.3                   |
| 345 | R00Y_050_025a       | 0.5                 | 0.25                | 0.375               | 0.5                 | 0.25                  | 0.375               | 360                   | 0.5                                  | 0.249               | 0.404                 | 37.0                                 | 20.9                | -2.9                  |
| 346 | B50R_050_025a       | 0.5                 | 0.25                | 0.5                 | 0.5                 | 0.25                  | 0.375               | 330                   | 0.5                                  | 0.249               | 0.497                 | 38.1                                 | 23.5                | -14.3                 |
| 347 | B34R_062_037a       | 0.5                 | 0.25                | 0.625               | 0.625               | 0.375                 | 0.437               | 311                   | 0.416                                | 0.25                | 0.625                 | 37.7                                 | 29.6                | -34.5                 |
| 348 | B25R_075_050a       | 0.5                 | 0.25                | 0.75                | 0.75                | 0.5                   | 0.5                 | 300                   | 0.25                                 | 0.385               | 0.75                  | 42.9                                 | 26.3                | -45.3                 |
| 349 | B19R_087_062a       | 0.5                 | 0.25                | 0.875               | 0.875               | 0.625                 | 0.562               | 293                   | 0.25                                 | 0.495               | 0.875                 | 51.9                                 | 21.7                | -49.8                 |
| 350 | B15R_100_075a       | 0.5                 | 0.25                | 1.0                 | 1.0                 | 0.75                  | 0.625               | 289                   | 0.25                                 | 0.58                | 1.0                   | 59.8                                 | 20.2                | -56.2                 |
| 351 | R76Y_050_050a       | 0.5                 | 0.375               | 0.0                 | 0.5                 | 0.5                   | 0.25                | 76                    | 0.5                                  | 0.342               | 0.0                   | 36.7                                 | 9.1                 | 38.8                  |
| 352 | R68Y_050_037a       | 0.5                 | 0.375               | 0.125               | 0.5                 | 0.375                 | 0.312               | 71                    | 0.5                                  | 0.359               | 0.124                 | 38.2                                 | 9.6                 | 28.1                  |
| 353 | R50Y_050_025a       | 0.5                 | 0.375               | 0.25                | 0.5                 | 0.25                  | 0.375               | 60                    | 0.5                                  | 0.371               | 0.249                 | 39.6                                 | 10.6                | 17.7                  |
| 354 | R00Y_050_012a       | 0.5                 | 0.375               | 0.375               | 0.5                 | 0.125                 | 0.437               | 390                   | 0.5                                  | 0.375               | 0.407                 | 42.1                                 | 9.7                 | 4.6                   |
| 355 | B50R_050_012a       | 0.5                 | 0.375               | 0.5                 | 0.5                 | 0.125                 | 0.437               | 330                   | 0.5                                  | 0.375               | 0.498                 | 42.9                                 | 11.7                | -7.1                  |
| 356 | B25R_062_025a       | 0.5                 | 0.375               | 0.625               | 0.625               | 0.25                  | 0.5                 | 300                   | 0.375                                | 0.442               | 0.625                 | 45.3                                 | 13.1                | -22.6                 |
| 357 | B15R_075_037a       | 0.5                 | 0.375               | 0.75                | 0.75                | 0.375                 | 0.562               | 289                   | 0.375                                | 0.54                | 0.75                  | 53.7                                 | 10.1                | -28.1                 |
| 358 | B11R_087_050a       | 0.5                 | 0.375               | 0.875               | 0.875               | 0.5                   | 0.625               | 284                   | 0.375                                | 0.625               | 0.875                 | 61.6                                 | 9.1                 | -34.1                 |
| 359 | B09R_100_062a       | 0.5                 | 0.375               | 1.0                 | 1.0                 | 0.625                 | 0.687               | 281                   | 0.375                                | 0.702               | 1.0                   | 69.1                                 | 8.9                 | -41.3                 |
| 360 | Y00G_050_050a       | 0.5                 | 0.5                 | 0.0                 | 0.5                 | 0.5                   | 0.25                | 90                    | 0.5                                  | 0.428               | 0.0                   | 41.8                                 | -1.7                | 42.2                  |
| 361 | Y00G_050_037a       | 0.5                 | 0.5                 | 0.125               | 0.5                 | 0.375                 | 0.312               | 90                    | 0.5                                  | 0.446               | 0.124                 | 43.3                                 | -1.2                | 31.6                  |
| 362 | Y00G_050_025a       | 0.5                 | 0.5                 | 0.25                | 0.5                 | 0.25                  | 0.375               | 90                    | 0.5                                  | 0.464               | 0.249                 | 44.7                                 | -0.8                | 21.1                  |
| 363 | Y00G_050_012a       | 0.5                 | 0.5                 | 0.375               | 0.5                 | 0.125                 | 0.437               | 90                    | 0.5                                  | 0.482               | 0.375                 | 46.2                                 | -0.4                | 10.5                  |
| 364 | NW_050a             | 0.5                 | 0.5                 | 0.5                 | 0.5                 | 0.0                   | 0.5                 | 360                   | 0.5                                  | 0.5                 | 0.5                   | 47.7                                 | 0.0                 | 0.0                   |
| 365 | B00R_062_012a       | 0.5                 | 0.5                 | 0.625               | 0.625               | 0.125                 | 0.562               | 270                   | 0.5                                  | 0.576               | 0.625                 | 55.1                                 | 0.2                 | -7.0                  |
| 366 | B00R_075_025a       | 0.5                 | 0.5                 | 0.75                | 0.75                | 0.25                  | 0.625               | 270                   | 0.5                                  | 0.652               | 0.75                  | 62.5                                 | 0.4                 | -14.1                 |
| 367 | B00R_087_037a       | 0.5                 | 0.5                 | 0.875               | 0.875               | 0.375                 | 0.687               | 270                   | 0.5                                  | 0.728               | 0.875                 | 69.9                                 | 0.6                 | -21.2                 |
| 368 | B00R_100_050a       | 0.5                 | 0.5                 | 1.0                 | 1.0                 | 0.5                   | 0.75                | 270                   | 0.5                                  | 0.804               | 1.0                   | 77.3                                 | 0.8                 | -28.3                 |
| 369 | Y18G_062_062a       | 0.5                 | 0.625               | 0.0                 | 0.625               | 0.625                 | 0.312               | 101                   | 0.602                                | 0.625               | 0.0                   | 57.5                                 | -15.2               | 56.3                  |
| 370 | Y23G_062_050a       | 0.5                 | 0.625               | 0.125               | 0.625               | 0.5                   | 0.375               | 104                   | 0.578                                | 0.625               | 0.125                 | 57.4                                 | -14.9               | 44.4                  |
| 371 | Y31G_062_037a       | 0.5                 | 0.625               | 0.25                | 0.625               | 0.375                 | 0.437               | 109                   | 0.552                                | 0.625               | 0.25                  | 57.3                                 | -14.8               | 32.6                  |
| 372 | Y50G_062_025a       | 0.5                 | 0.625               | 0.375               | 0.625               | 0.25                  | 0.5                 | 120                   | 0.507                                | 0.625               | 0.375                 | 57.2                                 | -15.7               | 20.7                  |
| 373 | G00B_062_012a       | 0.5                 | 0.625               | 0.5                 | 0.625               | 0.125                 | 0.562               | 150                   | 0.5                                  | 0.625               | 0.588                 | 58.3                                 | -8.0                | 2.5                   |
| 374 | G50B_062_012a       | 0.5                 | 0.625               | 0.625               | 0.625               | 0.125                 | 0.562               | 210                   | 0.5                                  | 0.611               | 0.625                 | 57.5                                 | -4.2                | -3.2                  |
| 375 | G75B_075_025a       | 0.5                 | 0.625               | 0.75                | 0.75                | 0.25                  | 0.625               | 240                   | 0.5                                  | 0.69                | 0.75                  | 65.2                                 | -4.7                | -9.9                  |
| 376 | G84B_087_037a       | 0.5                 | 0.625               | 0.875               | 0.875               | 0.375                 | 0.687               | 251                   | 0.5                                  | 0.766               | 0.875                 | 72.5                                 | -4.7                | -17.1                 |
| 377 | G88B_100_050a       | 0.5                 | 0.625               | 1.0                 | 1.0                 | 0.5                   | 0.75                | 256                   | 0.5                                  | 0.842               | 1.0                   | 79.9                                 | -4.7                | -24.3                 |
| 378 | Y31G_075_075a       | 0.5                 | 0.75                | 0.0                 | 0.75                | 0.75                  | 0.375               | 109                   | 0.604                                | 0.75                | 0.0                   | 67.0                                 | -29.6               | 65.3                  |
| 379 | Y38G_075_062a       | 0.5                 | 0.75                | 0.125               | 0.75                | 0.625                 | 0.437               | 113                   | 0.574                                | 0.75                | 0.125                 | 67.0                                 | -29.7               | 53.4                  |
| 380 | Y50G_075_050a       | 0.5                 | 0.75                | 0.25                | 0.75                | 0.5                   | 0.5                 | 120                   | 0.514                                | 0.75                | 0.25                  | 66.8                                 | -31.5               | 41.4                  |
| 381 | Y68G_075_037a       | 0.5                 | 0.75                | 0.375               | 0.75                | 0.375                 | 0.562               | 131                   | 0.375                                | 0.75                | 0.427                 | 67.2                                 | -30.0               | 25.1                  |
| 382 | G00B_075_025a       | 0.5                 | 0.75                | 0.5                 | 0.75                | 0.25                  | 0.625               | 150                   | 0.5                                  | 0.75                | 0.676                 | 68.9                                 | -16.1               | 5.1                   |
| 383 | G25B_075_025a       | 0.5                 | 0.75                | 0.625               | 0.75                | 0.25                  | 0.625               | 180                   | 0.5                                  | 0.75                | 0.737                 | 69.3                                 | -12.4               | -2.1                  |
| 384 | G50B_075_025a       | 0.5                 | 0.75                | 0.75                | 0.75                | 0.25                  | 0.625               | 210                   | 0.5                                  | 0.722               | 0.75                  | 67.4                                 | -8.5                | -6.4                  |
| 385 | G65B_087_037a       | 0.5                 | 0.75                | 0.875               | 0.875               | 0.375                 | 0.687               | 229                   | 0.5                                  | 0.803               | 0.875                 | 75.1                                 | -9.4                | -13.1                 |
| 386 | G75B_100_050a       | 0.5                 | 0.75                | 1.0                 | 1.0                 | 0.5                   | 0.75                | 240                   | 0.5                                  | 0.881               | 1.0                   | 82.7                                 | -9.5                | -19.8                 |
| 387 | Y41G_087_087a       | 0.5                 | 0.875               | 0.0                 | 0.875               | 0.875                 | 0.437               | 115                   | 0.586                                | 0.875               | 0.0                   | 76.5                                 | -45.3               | 74.1                  |
| 388 | Y50G_087_075a       | 0.5                 | 0.875               | 0.125               | 0.875               | 0.75                  | 0.5                 | 120                   | 0.521                                | 0.875               | 0.125                 | 76.4                                 | -47.2               | 62.1                  |
| 389 | Y61G_087_062a       | 0.5                 | 0.875               | 0.25                | 0.875               | 0.625                 | 0.562               | 127                   | 0.332                                | 0.875               | 0.25                  | 76.2                                 | -50.8               | 50.0                  |
| 390 | Y76G_087_050a       | 0.5                 | 0.875               | 0.375               | 0.875               | 0.5                   | 0.625               | 136                   | 0.375                                | 0.875               | 0.593                 | 77.8                                 | -38.0               | 25.7                  |
| 391 | G00B_087_037a       | 0.5                 | 0.875               | 0.5                 | 0.875               | 0.375                 | 0.687               | 150                   | 0.5                                  | 0.875               | 0.764                 | 79.6                                 | -24.2               | 7.7                   |
| 392 | G15B_087_037a       | 0.5                 | 0.875               | 0.625               | 0.875               | 0.375                 | 0.687               | 169                   | 0.5                                  | 0.875               | 0.83                  | 79.9                                 | -20.3               | 0.1                   |
| 393 | G34B_087_037a       | 0.5                 | 0.875               | 0.75                | 0.875               | 0.375                 | 0.687               | 191                   | 0.5                                  | 0.868               | 0.875                 | 79.8                                 | -16.7               | -5.9                  |
| 394 | G50B_087_037a       | 0.5                 | 0.875               | 0.875               | 0.875               | 0.375                 | 0.687               | 210                   | 0.5                                  | 0.833               | 0.875                 | 77.3                                 | -12.8               | 9.6                   |
| 395 | G61B_100_050a       | 0.5                 | 0.875               | 1.0                 | 1.0                 | 0.5                   | 0.75                | 224                   | 0.5                                  | 0.914               | 1.0                   | 85.0                                 | -13.8               | -16.3                 |
| 396 | Y50G_100_100a       | 0.5                 | 1.0                 | 0.0                 | 1.0                 | 1.0                   | 0.5                 | 120                   | 0.528                                | 1.0                 | 0.0                   | 85.9                                 | -63.0               | 82.8                  |
| 397 | Y58G_100_087a       | 0.5                 | 1.0                 | 0.125               | 1.0                 | 0.875                 | 0.562               | 125                   | 0.395                                | 1.0                 | 0.125                 | 85.8                                 | -66.2               | 70.7                  |
| 398 | Y68G_100_075a       | 0.5                 | 1.0                 | 0.25                | 1.0                 | 0.75                  | 0.625               | 131                   | 0.25                                 | 1.0                 | 0.454                 | 86.7                                 | -60.1               | 50.2                  |
| 399 | Y81G_100_062a       | 0.5                 | 1.0                 | 0.375               | 1.0                 | 0.625                 | 0.687               | 139                   | 0.375                                | 1.0                 | 0.695                 | 88.5                                 | -45.8               | 27.1                  |
| 400 | G00B_100_050a       | 0.5                 | 1.0                 | 0.5                 | 1.0                 | 0.5                   | 0.75                | 150                   | 0.5                                  | 1.0                 | 0.853                 | 90.2                                 | -32.3               | 10.3                  |
| 401 | G11B_100_050a       | 0.5                 | 1.0                 | 0.625               | 1.0                 | 0.5                   | 0.75                | 164                   | 0.5                                  | 1.0                 | 0.919                 | 90.6                                 | -28.5               | 2.4                   |
| 402 | G25B_100_050a       | 0.5                 | 1.0                 | 0.75                | 1.0                 | 0.5                   | 0.75                | 186                   | 0.5                                  | 1.0                 | 0.975                 | 90.9                                 | -24.9               | -4.2                  |
| 403 | G38B_100_050a       | 0.5                 | 1.0                 | 0.875               | 1.0                 | 0.5                   | 0.75                | 196                   | 0.5                                  | 0.979               | 1.0                   | 89.6                                 | -21.0               | 9.4                   |
| 404 | G50B_100_050a       | 0.5                 | 1.0                 | 1.0                 | 1.0                 | 0.5                   | 0.75                | 210                   | 0.5                                  | 0.945               | 1.0                   | 87.2                                 | -17.1               | -12.8                 |

delta E\* = 0.4

grafico TUB-SI12; 1080 colori standard  
colori e la differenza,  $\Delta E^*$ , 3D=1, de=1, sRGB\*

immettere:  $rgb/cmyk \rightarrow rgb_{de}$   
uscita: 3D-linearizzazione a  $rgb^*_{de}$

TUB iscrizione: 20130201-SI12/SI12L0FP.PDF /.PS  
la domanda per la misura di

| n   | HIC*Fde        | rgb_Fde           | ict_Fde           | hsi_Fde | rgb*Fde           | LabCh*Fde       | rgb*Fde           | LabCh*Fde       | DE*Fde hsiMde   | 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 0.164   | 31.8 48.9 23.3  | 0.603 0.103 0.172 | 31.5 49.2 23.1  | 54.4 25.1 0.4   | 0.263   | 50.9 78.8 37.3    |
| 406 | R31Y_062_062da | 0.625 0.0 0.125   | 0.625 0.625 0.312 | 379     | 0.625 0.0 0.247   | 32.1 49.9 11.7  | 0.603 0.104 0.25  | 31.9 50.3 11.3  | 51.6 12.6 0.6   | 0.366   | 51.4 79.3 18.7    |
| 407 | R11Y_062_062da | 0.625 0.0 0.25    | 0.625 0.625 0.312 | 367     | 0.625 0.0 0.333   | 32.7 51.3 -0.8  | 0.6 0.107 0.329   | 32.4 51.6 -0.7  | 51.6 359.2 0.6  | 0.357   | 52.3 82.1 -0.2    |
| 408 | B69R_062_062da | 0.625 0.0 0.375   | 0.625 0.625 0.312 | 353     | 0.625 0.0 0.398   | 33.2 52.5 -8.8  | 0.599 0.111 0.39  | 33.0 52.8 -9.4  | 53.6 349.9 0.6  | 0.350   | 53.1 84.1 -14.2   |
| 409 | B59R_062_062da | 0.625 0.0 0.5     | 0.625 0.625 0.312 | 341     | 0.625 0.0 0.495   | 34.1 55.1 -21.1 | 0.599 0.114 0.479 | 34.0 55.6 -21.6 | 59.4 338.5 0.6  | 0.341   | 54.7 88.2 -33.8   |
| 410 | B50R_062_062da | 0.625 0.0 0.625   | 0.625 0.625 0.312 | 330     | 0.625 0.0 0.619   | 35.7 58.8 -35.9 | 0.597 0.124 0.591 | 35.0 58.3 -36.0 | 68.8 328.4 0.2  | 0.330   | 57.1 94.1 -57.4   |
| 411 | B42R_075_075da | 0.625 0.0 0.75    | 0.75 0.75 0.375   | 321     | 0.588 0.0 0.75    | 36.4 65.2 -54.6 | 0.575 0.084 0.725 | 36.1 65.7 -55.0 | 85.7 320.0 0.7  | 0.318   | 48.6 87.0 -72.8   |
| 412 | B36R_087_087da | 0.625 0.0 0.875   | 0.875 0.875 0.437 | 314     | 0.497 0.0 0.875   | 37.5 71.1 -75.1 | 0.501 0.04 0.861  | 35.5 71.7 -75.3 | 104.0 313.5 0.5 | 0.304   | 81.3 -85.9 118.3  |
| 413 | B31R_100_100da | 0.625 0.0 1.0     | 1.0 1.0 0.5       | 308     | 0.263 0.0 1.0     | 32.8 76.9 -99.3 | 0.264 0.0 0.999   | 32.8 76.9 -99.4 | 125.7 307.7 0.0 | 0.284   | 76.9 -99.3 125.7  |
| 414 | R18Y_062_062da | 0.625 0.125 0.0   | 0.625 0.625 0.312 | 41      | 0.625 0.0 0.038   | 31.5 48.2 37.3  | 0.605 0.101 0.064 | 31.3 48.6 38.2  | 61.8 38.1 0.1   | 0.386   | 50.5 77.2 59.7    |
| 415 | R00Y_062_050da | 0.625 0.125 0.125 | 0.625 0.5 0.375   | 390     | 0.625 0.125 0.256 | 37.3 39.1 18.6  | 0.619 0.237 0.251 | 37.2 39.2 18.3  | 43.2 25.0 0.3   | 0.375   | 50.9 78.3 37.3    |
| 416 | R26Y_062_050da | 0.625 0.125 0.25  | 0.625 0.5 0.375   | 376     | 0.625 0.125 0.339 | 37.7 40.2 7.0   | 0.614 0.24 0.33   | 37.6 40.2 6.6   | 40.7 9.3 0.4    | 0.364   | 80.5 14.0 81.7    |
| 417 | R00Y_062_050da | 0.625 0.125 0.375 | 0.625 0.5 0.375   | 360     | 0.625 0.125 0.433 | 38.4 41.8 -5.8  | 0.608 0.245 0.421 | 38.3 41.6 -6.2  | 42.1 351.4 0.4  | 0.352   | 83.6 -11.6 84.4   |
| 418 | B61R_062_050da | 0.625 0.125 0.5   | 0.625 0.5 0.375   | 344     | 0.625 0.125 0.498 | 39.0 43.3 -14.1 | 0.607 0.25 0.482  | 38.9 43.2 -14.5 | 45.5 341.4 0.4  | 0.344   | 86.7 -24.3 91.2   |
| 419 | B50R_062_050da | 0.625 0.125 0.625 | 0.625 0.5 0.375   | 330     | 0.625 0.125 0.62  | 40.5 47.0 -28.7 | 0.605 0.256 0.593 | 40.4 46.8 -28.8 | 55.0 328.3 0.2  | 0.330   | 84.1 -57.4 110.3  |
| 420 | B40R_075_062da | 0.625 0.125 0.75  | 0.75 0.625 0.437  | 319     | 0.58 0.125 0.75   | 41.0 53.3 -47.7 | 0.58 0.243 0.728  | 40.8 53.2 -47.8 | 71.5 318.0 0.1  | 0.314   | 95.3 -76.3 114.5  |
| 421 | B34R_087_075da | 0.625 0.125 0.875 | 0.875 0.75 0.5    | 311     | 0.458 0.125 0.875 | 39.7 59.3 -69.1 | 0.495 0.216 0.865 | 39.5 59.8 -69.4 | 91.6 310.7 0.5  | 0.296   | 79.0 -92.2 121.5  |
| 422 | B29R_100_087da | 0.625 0.125 1.0   | 1.0 0.875 0.562   | 305     | 0.125 0.227 1.0   | 40.2 61.2 -87.7 | 0.342 0.243 1.0   | 40.0 60.9 -87.4 | 106.5 304.8 0.5 | 0.263   | 70.0 -100.3 122.3 |
| 423 | R38Y_062_062da | 0.625 0.25 0.0    | 0.625 0.625 0.312 | 53      | 0.625 0.237 0.0   | 36.4 34.3 42.5  | 0.602 0.246 0.051 | 36.4 34.2 43.3  | 55.2 51.6 0.7   | 0.32    | 54.9 68.1 87.5    |
| 424 | R23Y_062_050da | 0.625 0.25 0.125  | 0.625 0.5 0.375   | 44      | 0.625 0.176 0.125 | 37.6 37.2 32.4  | 0.623 0.247 0.156 | 37.5 36.9 32.5  | 49.2 41.3 0.3   | 0.35    | 71.4 64.8 98.7    |
| 425 | R00Y_062_037da | 0.625 0.25 0.25   | 0.625 0.375 0.437 | 390     | 0.625 0.25 0.348  | 42.9 29.3 13.9  | 0.626 0.335 0.332 | 42.7 29.2 13.6  | 32.2 25.0 0.4   | 0.375   | 50.9 78.3 37.3    |
| 426 | R18Y_062_037da | 0.625 0.25 0.375  | 0.625 0.375 0.437 | 371     | 0.625 0.25 0.432  | 43.3 30.4 2.2   | 0.617 0.339 0.415 | 43.1 30.3 1.8   | 30.3 3.4 0.5    | 0.360   | 81.1 6.1 81.3     |
| 427 | B65R_062_037da | 0.625 0.25 0.5    | 0.625 0.375 0.437 | 349     | 0.625 0.25 0.507  | 43.9 32.0 -7.6  | 0.613 0.343 0.488 | 43.8 32.0 -8.1  | 33.0 345.7 0.5  | 0.347   | 85.5 -20.3 87.9   |
| 428 | B50R_062_037da | 0.625 0.25 0.625  | 0.625 0.375 0.437 | 330     | 0.625 0.25 0.621  | 45.2 35.3 -21.5 | 0.609 0.351 0.595 | 45.1 35.1 -21.7 | 41.2 328.2 0.2  | 0.330   | 94.1 -57.4 110.3  |
| 429 | B38R_075_050da | 0.625 0.25 0.75   | 0.75 0.5 0.5      | 316     | 0.569 0.25 0.75   | 45.4 41.4 -40.9 | 0.578 0.339 0.73  | 45.2 41.4 -41.2 | 58.6 315.3 0.3  | 0.309   | 82.9 -81.9 116.5  |
| 430 | B30R_087_062da | 0.625 0.25 0.875  | 0.875 0.625 0.562 | 307     | 0.341 0.25 0.875  | 43.4 47.7 -63.7 | 0.477 0.311 0.868 | 43.2 47.9 -63.9 | 79.9 306.8 0.3  | 0.277   | 76.3 -102.0 127.4 |
| 431 | B25R_100_075da | 0.625 0.25 1.0    | 1.0 0.75 0.625    | 300     | 0.2 0.452 1.0     | 42.5 39.5 -68.0 | 0.474 0.443 1.0   | 42.3 38.8 -67.2 | 77.6 300.0 1.1  | 0.254   | 52.2 -90.7 104.9  |
| 432 | R61Y_062_062da | 0.625 0.375 0.0   | 0.625 0.625 0.312 | 67      | 0.625 0.36 0.0    | 42.2 19.8 46.1  | 0.6 0.354 0.06    | 42.1 19.7 46.9  | 50.9 67.2 0.8   | 0.65    | 61.8 73.8 80.4    |
| 433 | R50Y_062_050da | 0.625 0.375 0.125 | 0.625 0.5 0.375   | 60      | 0.625 0.368 0.125 | 43.4 21.3 35.4  | 0.614 0.364 0.18  | 43.4 21.0 35.7  | 41.4 59.5 0.4   | 0.59    | 63.1 42.7 70.8    |
| 434 | R31Y_062_037da | 0.625 0.375 0.25  | 0.625 0.375 0.437 | 49      | 0.625 0.358 0.25  | 44.6 23.6 25.0  | 0.63 0.371 0.271  | 44.6 23.3 24.9  | 34.1 46.9 0.3   | 0.46    | 55.4 63.0 66.8    |
| 435 | R00Y_062_025da | 0.625 0.375 0.375 | 0.625 0.25 0.5    | 390     | 0.625 0.375 0.44  | 48.5 19.5 9.3   | 0.624 0.425 0.471 | 48.3 19.1 8.9   | 21.1 25.1 0.5   | 0.375   | 79.0 37.3 86.7    |
| 436 | R00Y_062_025da | 0.625 0.375 0.5   | 0.625 0.25 0.5    | 360     | 0.625 0.375 0.529 | 49.0 20.9 -2.9  | 0.612 0.43 0.507  | 48.9 20.6 -3.2  | 20.9 351.0 0.4  | 0.352   | 83.6 -11.6 84.4   |
| 437 | B50R_062_025da | 0.625 0.375 0.625 | 0.625 0.25 0.5    | 330     | 0.625 0.375 0.622 | 50.0 23.5 -14.3 | 0.608 0.438 0.595 | 49.9 23.1 -14.4 | 27.2 328.0 0.4  | 0.330   | 91.1 -57.4 110.3  |
| 438 | B34R_075_037da | 0.625 0.375 0.75  | 0.75 0.375 0.562  | 311     | 0.541 0.375 0.75  | 49.6 29.6 -34.5 | 0.569 0.424 0.732 | 49.5 29.2 -34.6 | 45.3 310.2 0.3  | 0.296   | 84.1 -92.2 121.5  |
| 439 | B25R_087_050da | 0.625 0.375 0.875 | 0.875 0.5 0.625   | 300     | 0.375 0.51 0.875  | 54.8 26.3 -45.3 | 0.545 0.495 0.869 | 54.9 26.0 -45.2 | 52.2 299.9 0.3  | 0.254   | 79.0 -90.7 104.9  |
| 440 | B19R_100_062da | 0.625 0.375 1.0   | 1.0 0.625 0.687   | 293     | 0.375 0.62 1.0    | 63.8 21.7 -49.8 | 0.573 0.604 1.0   | 63.6 21.1 -49.1 | 53.4 293.3 0.9  | 0.247   | 34.7 -79.7 86.9   |
| 441 | R18Y_062_062da | 0.625 0.5 0.0     | 0.625 0.625 0.312 | 79      | 0.625 0.449 0.0   | 47.1 8.6 49.3   | 0.598 0.435 0.072 | 47.1 8.2 50.1   | 50.8 80.7 0.9   | 0.74    | 73.8 78.9 80.1    |
| 442 | R76Y_062_050da | 0.625 0.5 0.125   | 0.625 0.5 0.375   | 76      | 0.625 0.467 0.125 | 48.6 9.1 38.8   | 0.609 0.45 0.197  | 48.5 8.6 39.2   | 40.1 77.5 0.6   | 0.72    | 83.7 77.7 79.8    |
| 443 | R68Y_062_037da | 0.625 0.5 0.25    | 0.625 0.375 0.437 | 71      | 0.625 0.484 0.25  | 50.1 9.6 28.1   | 0.616 0.466 0.298 | 50.1 9.0 28.1   | 29.5 72.1 0.5   | 0.68    | 10.1 25.6 75.1    |
| 444 | R50Y_062_025da | 0.625 0.5 0.375   | 0.625 0.25 0.5    | 60      | 0.625 0.496 0.375 | 51.5 10.6 17.7  | 0.622 0.48 0.388  | 51.5 10.2 17.5  | 20.3 59.6 0.4   | 0.59    | 63.1 42.7 70.8    |
| 445 | R00Y_062_012da | 0.625 0.5 0.625   | 0.625 0.125 0.562 | 390     | 0.625 0.5 0.532   | 54.0 9.7 4.6    | 0.616 0.512 0.506 | 54.1 9.4 4.4    | 10.4 25.3 0.3   | 0.375   | 50.9 78.3 37.3    |
| 446 | B50R_062_012da | 0.625 0.5 0.625   | 0.625 0.125 0.562 | 330     | 0.625 0.5 0.623   | 54.8 11.7 -7.1  | 0.602 0.518 0.595 | 54.8 11.2 -7.1  | 13.3 327.7 0.5  | 0.330   | 94.1 -57.4 110.3  |
| 447 | B25R_075_025da | 0.625 0.5 0.75    | 0.75 0.25 0.625   | 300     | 0.5 0.567 0.75    | 57.2 13.1 -22.6 | 0.578 0.545 0.731 | 57.1 12.7 -22.6 | 60.0 299.3 0.4  | 0.254   | 52.2 -90.7 104.9  |
| 448 | B15R_087_037da | 0.625 0.5 0.875   | 0.875 0.375 0.687 | 289     | 0.5 0.665 0.875   | 65.7 10.1 -28.1 | 0.62 0.644 0.867  | 65.5 10.0 -28.3 | 30.0 289.6 0.2  | 0.243   | 47.9 26.9 -75.0   |
| 449 | B11R_100_050da | 0.625 0.5 1.0     | 1.0 0.5 0.75      | 284     | 0.5 0.75 1.0      | 73.6 9.1 -34.1  | 0.665 0.737 1.0   | 73.4 8.7 -33.6  | 34.8 284.5 0.6  | 0.239   | 63.1 -68.3 70.7   |
| 450 | Y00G_062_062da | 0.625 0.625 0.0   | 0.625 0.625 0.312 | 90      | 0.625 0.535 0.0   | 52.3 -2.1 52.8  | 0.598 0.514 0.085 | 52.3 -2.5 53.5  | 53.5 92.7 0.8   | 0.82    | 83.7 -3.4 84.5    |
| 451 | Y00G_062_050da | 0.625 0.625 0.125 | 0.625 0.5 0.375   | 90      | 0.625 0.553 0.125 | 53.7 -1.7 42.2  | 0.607 0.53 0.218  | 53.8 -2.1 42.5  | 42.6 92.8 0.5   | 0.82    | 83.7 -3.4 84.5    |
| 452 | Y00G_062_037da | 0.625 0.625 0.25  | 0.625 0.375 0.437 | 90      | 0.625 0.571 0.25  | 55.2 -1.2 31.6  | 0.61 0.545 0.318  | 55.2 -1.7 31.7  | 31.8 93.1 0.4   | 0.82    | 83.7 -3.4 84.5    |
| 453 | Y00G_062_025da | 0.625 0.625 0.375 | 0.625 0.25 0.5    | 90      | 0.625 0.589 0.375 | 56.7 -0.8 21.1  | 0.61 0.56 0.413   | 56.6 -1.1 20.8  | 20.9 93.1 0.4   | 0.82    | 83.7 -3.4 84.5    |
| 454 | Y00G_062_012da | 0.625 0.625 0.5   | 0.625 0.125 0.562 | 90      | 0.625 0.607 0.5   | 58.1 -0.4 10.5  | 0.604 0.577 0.505 | 58.0 -0.5 10.1  | 10.2 93.3 0.4   | 0.82    | 83.7 -3.4 84.5    |
| 455 | NW_062da       | 0.625 0.625 0.625 | 0.625 0.0 0.625   | 360     | 0.625 0.625 0.625 | 59.6 0.0 0.0    | 0.59 0.593 0.594  | 59.4 -0.2 -0.1  | 0.3 206.3 0.3   | 0.360   | 1.0 0.0 0.0       |
| 456 | B00R_075_012da | 0.625 0.625 0.75  | 0.75 0.125 0.687  | 270     | 0.625 0.701 0.75  | 67.0 0.2 -7.0   | 0.701 0.675 0.726 | 66.8 0.0 -7.2   | 7.2 270.5 0.2   | 0.232   | 1.7 -56.6 56.6    |
| 457 | B00R_087_025da | 0.625 0.625 0.875 | 0.875 0.25 0.75   | 270     | 0.625 0.777 0.875 | 74.4 0.4 -14.1  | 0.701 0.76 0.864  | 74.3 0.3 -14.3  | 14.3 271.2 0.2  | 0.232   | 1.7 -56.6 56.6    |
| 458 | B00R_100_037da | 0.625 0.625 1.0   | 1.0 0.375 0.812   | 270     | 0.625 0.853 1.0   | 81.8 0.6 -21.2  | 0.712 0.846 1.0   | 81.7 0.3 -20.8  | 20.8 270.9 0.5  | 0.232   | 1.7 -56.6 56.6    |
| 459 | Y15G_075_075da | 0.625 0.75 0.0    | 0.75 0.75 0.375   | 99      | 0.75 0.749 0.0    | 69.4 -15.4 68.0 | 0.725 0.723 0.086 | 69.7 -15.7 68.4 | 70.2 102.9 0.5  | 0.89    | 91.1 -20.6 90.7   |
| 460 | Y18G_075_062da | 0.625 0.75 0.125  | 0.75 0.625 0.437  | 101     | 0.727 0.75 0.125  | 69.4 -15.2 56.3 | 0.714 0.723 0.251 | 69.2 -15.3 56.1 | 58.1 105.2 0.3  | 0.91    | 90.1 -24.3 90.1   |
| 461 | Y23G_075_050da | 0.625 0.75 0.25   | 0.75 0.5 0.5      | 104     | 0.625 0.75 0.25   | 69.3 -14.9 44.4 | 0.696 0.696 0.723 | 69.1 -15.1 44.2 | 46.8 108.9 0.3  | 0.94    | 91.0 -29.9 93.8   |
| 462 | Y31G_075_037da | 0.625 0.75 0.375  | 0.75 0.375 0.562  | 109     | 0.677 0.75 0.375  | 69.3 -14.8 32.6 | 0.673 0.724 0.452 | 69.1 -15.0 32.3 | 35.7 114.9 0.3  | 1.00    | 89.4 -39.5 87.0   |
| 463 | Y50G_075_025da | 0.625 0.75 0.5    | 0.75 0.25 0.625   | 120     | 0.632 0.75 0.5    | 69.2 -15.7 20.7 | 0.635 0.728 0.543 | 69.0 -15.9 20.4 | 25.9 127.9 0.3  | 1.18    | 85.9 -63.0 82.8   |
| 464 | G00B_075_012da | 0.625 0.75 0.625  | 0.75 0.125        |         |                   |                 |                   |                 |                 |         |                   |

| n   | HIC*Fde        | rgb_Fde | ict_Fde | hsi_Fde | rgb*Fde | LabCh*Fde | rgb*Fde | LabCh*Fde | DE*Fde hsiMde | rgb*Mde | LabCh*Mde |      |      |       |       |       |       |       |       |      |      |       |       |       |       |       |      |       |       |       |      |       |        |       |       |
|-----|----------------|---------|---------|---------|---------|-----------|---------|-----------|---------------|---------|-----------|------|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|--------|-------|-------|
| 486 | R00Y_075_075de | 0.75    | 0.0     | 0.0     | 0.75    | 0.75      | 0.0     | 0.197     | 38.1          | 58.7    | 27.9      | 65.0 | 25.4 | 0.731 | 0.086 | 0.201 | 37.8  | 59.2  | 27.8  | 65.4 | 25.1 | 0.6   | 375   | 1.0   | 0.0   | 0.263 | 50.9 | 78.3  | 37.3  | 86.7  | 25.4 |       |        |       |       |
| 487 | R35Y_075_075de | 0.75    | 0.0     | 0.125   | 0.75    | 0.75      | 0.0     | 0.279     | 38.5          | 59.4    | 16.4      | 61.6 | 15.4 | 0.729 | 0.092 | 0.281 | 38.2  | 59.8  | 15.9  | 61.9 | 14.9 | 0.6   | 368   | 1.0   | 0.0   | 0.373 | 51.3 | 79.2  | 21.9  | 82.2  | 15.4 |       |        |       |       |
| 488 | R18Y_075_075de | 0.75    | 0.0     | 0.25    | 0.75    | 0.75      | 0.375   | 371       | 0.75          | 0.0     | 0.364     | 38.9 | 60.8 | 4.5   | 61.0  | 4.3   | 0.729 | 0.09  | 0.362 | 38.6 | 61.3 | 4.0   | 61.4  | 3.7   | 0.8   | 360   | 1.0  | 0.0   | 0.486 | 51.9  | 81.1 | 6.1   | 81.3   | 4.3   |       |
| 489 | R00Y_075_075de | 0.75    | 0.0     | 0.375   | 0.75    | 0.75      | 0.375   | 360       | 0.75          | 0.0     | 0.463     | 39.7 | 62.7 | -8.7  | 63.3  | 352.0 | 0.728 | 0.097 | 0.457 | 39.4 | 63.0 | -9.4  | 63.7  | 351.4 | 0.7   | 352   | 1.0  | 0.0   | 0.617 | 52.9  | 83.6 | -11.6 | 84.4   | 352.0 |       |
| 490 | B65R_075_075de | 0.75    | 0.0     | 0.5     | 0.75    | 0.75      | 0.375   | 349       | 0.75          | 0.0     | 0.514     | 40.2 | 64.1 | -15.2 | 65.9  | 346.6 | 0.73  | 0.093 | 0.504 | 39.9 | 64.6 | -15.8 | 66.5  | 346.1 | 0.7   | 347   | 1.0  | 0.0   | 0.686 | 53.6  | 85.5 | -20.3 | 87.9   | 346.6 |       |
| 491 | B57R_075_075de | 0.75    | 0.0     | 0.625   | 0.75    | 0.75      | 0.375   | 339       | 0.75          | 0.0     | 0.618     | 41.3 | 66.8 | -18.2 | 68.1  | 72.5  | 337.1 | 0.729 | 0.098 | 0.6  | 41.0 | 67.1  | -28.4 | 72.9  | 337.0 | 0.4   | 339  | 1.0   | 0.0   | 0.824 | 55.0 | 89.1  | -37.5  | 96.7  | 337.1 |
| 492 | B50R_075_075de | 0.75    | 0.0     | 0.75    | 0.75    | 0.75      | 0.375   | 330       | 0.75          | 0.0     | 0.743     | 42.8 | 70.6 | -43.0 | 82.7  | 328.6 | 0.727 | 0.108 | 0.719 | 42.6 | 70.7 | -43.3 | 82.9  | 328.5 | 0.3   | 330   | 1.0  | 0.0   | 0.991 | 57.1  | 94.1 | -57.4 | 110.3  | 328.6 |       |
| 493 | B43R_087_087de | 0.75    | 0.0     | 0.875   | 0.875   | 0.875     | 0.375   | 322       | 0.709         | 0.0     | 0.875     | 43.4 | 76.9 | -62.2 | 98.9  | 321.0 | 0.7   | 0.055 | 0.86  | 43.1 | 77.2 | -62.6 | 99.4  | 320.9 | 0.5   | 319   | 1.0  | 0.811 | 0.0   | 1.0   | 49.6 | 87.9  | -71.1  | 113.0 | 321.0 |
| 494 | B38R_100_100de | 0.75    | 0.0     | 1.0     | 1.0     | 1.0       | 0.5     | 316       | 0.638         | 0.0     | 1.0       | 43.2 | 82.9 | -81.9 | 116.5 | 315.3 | 0.637 | 0.0   | 1.0   | 43.1 | 82.8 | -82.0 | 116.5 | 315.2 | 0.1   | 309   | 1.0  | 0.638 | 0.0   | 1.0   | 43.2 | 82.9  | -81.9  | 116.5 | 315.3 |
| 495 | R15Y_075_075de | 0.75    | 0.125   | 0.0     | 0.75    | 0.75      | 0.375   | 39        | 0.75          | 0.0     | 0.092     | 37.9 | 57.9 | 41.3  | 71.1  | 35.5  | 0.731 | 0.088 | 0.101 | 37.6 | 58.3 | 41.6  | 71.7  | 35.5  | 0.6   | 383   | 1.0  | 0.0   | 0.123 | 50.5  | 77.2 | 55.0  | 94.8   | 35.5  |       |
| 496 | R00Y_075_062de | 0.75    | 0.125   | 0.125   | 0.75    | 0.625     | 0.437   | 390       | 0.75          | 0.125   | 0.289     | 43.7 | 48.9 | 23.3  | 54.2  | 25.4  | 0.749 | 0.256 | 0.282 | 43.6 | 48.7 | 23.1  | 53.9  | 25.3  | 0.2   | 375   | 1.0  | 0.0   | 0.263 | 50.9  | 78.3 | 37.3  | 86.7   | 25.4  |       |
| 497 | R31Y_075_062de | 0.75    | 0.125   | 0.25    | 0.75    | 0.625     | 0.437   | 379       | 0.75          | 0.125   | 0.372     | 44.0 | 49.9 | 11.7  | 51.2  | 13.2  | 0.746 | 0.257 | 0.363 | 44.0 | 49.8 | 11.4  | 51.1  | 12.9  | 0.2   | 366   | 1.0  | 0.0   | 0.395 | 51.4  | 79.8 | 18.7  | 82.0   | 13.2  |       |
| 498 | R11Y_075_062de | 0.75    | 0.125   | 0.375   | 0.75    | 0.625     | 0.437   | 367       | 0.75          | 0.125   | 0.458     | 44.6 | 51.3 | -0.1  | 51.3  | 359.8 | 0.742 | 0.26  | 0.448 | 44.5 | 51.2 | -0.5  | 51.2  | 359.3 | 0.4   | 357   | 1.0  | 0.0   | 0.533 | 52.3  | 82.1 | -0.2  | 82.1   | 359.8 |       |
| 499 | B69R_075_062de | 0.75    | 0.125   | 0.5     | 0.75    | 0.625     | 0.437   | 353       | 0.75          | 0.125   | 0.523     | 45.1 | 52.5 | -8.8  | 53.3  | 350.4 | 0.74  | 0.263 | 0.512 | 45.0 | 52.5 | -9.2  | 53.4  | 349.9 | 0.4   | 350   | 1.0  | 0.0   | 0.637 | 53.1  | 84.1 | -14.2 | 85.3   | 350.4 |       |
| 500 | B59R_075_062de | 0.75    | 0.125   | 0.625   | 0.75    | 0.625     | 0.437   | 341       | 0.75          | 0.125   | 0.62      | 46.1 | 55.1 | -21.1 | 59.0  | 339.0 | 0.738 | 0.267 | 0.603 | 45.9 | 55.1 | -21.2 | 59.0  | 338.9 | 0.1   | 341   | 1.0  | 0.0   | 0.793 | 54.7  | 88.2 | -33.8 | 94.5   | 339.0 |       |
| 501 | B50R_075_062de | 0.75    | 0.125   | 0.75    | 0.75    | 0.625     | 0.437   | 330       | 0.75          | 0.125   | 0.744     | 47.6 | 58.8 | -35.9 | 68.9  | 328.6 | 0.736 | 0.274 | 0.722 | 47.4 | 58.8 | -36.0 | 69.0  | 328.5 | 0.2   | 330   | 1.0  | 0.0   | 0.991 | 57.1  | 94.1 | -57.4 | 110.3  | 328.6 |       |
| 502 | B42R_087_075de | 0.75    | 0.125   | 0.875   | 0.875   | 0.75      | 0.5     | 321       | 0.713         | 0.125   | 0.875     | 48.4 | 65.2 | -54.6 | 85.1  | 320.0 | 0.716 | 0.261 | 0.863 | 48.2 | 65.2 | -54.7 | 85.1  | 319.9 | 0.2   | 318   | 1.0  | 0.784 | 0.0   | 1.0   | 48.6 | 87.0  | -72.8  | 113.5 | 320.0 |
| 503 | B36R_100_087de | 0.75    | 0.125   | 1.0     | 1.0     | 0.875     | 0.562   | 314       | 0.622         | 0.125   | 1.0       | 47.6 | 71.1 | -75.1 | 103.5 | 313.4 | 0.645 | 0.238 | 1.0   | 47.4 | 71.0 | -74.9 | 103.2 | 313.4 | 0.3   | 304   | 1.0  | 0.568 | 0.0   | 1.0   | 48.8 | 81.3  | -85.9  | 118.3 | 313.4 |
| 504 | R31Y_075_075de | 0.75    | 0.25    | 0.0     | 0.75    | 0.75      | 0.375   | 49        | 0.75          | 0.217   | 0.0       | 41.5 | 47.3 | 50.1  | 68.9  | 46.6  | 0.731 | 0.231 | 0.035 | 41.3 | 47.5 | 50.5  | 69.3  | 46.7  | 0.5   | 46    | 1.0  | 0.29  | 0.0   | 55.4  | 63.0 | 66.8  | 91.8   | 46.6  |       |
| 505 | R18Y_075_062de | 0.75    | 0.25    | 0.125   | 0.75    | 0.625     | 0.437   | 41        | 0.75          | 0.125   | 0.163     | 43.5 | 48.2 | 37.3  | 61.0  | 37.7  | 0.754 | 0.254 | 0.178 | 43.4 | 48.0 | 37.6  | 61.0  | 38.0  | 0.3   | 386   | 1.0  | 0.0   | 0.062 | 50.5  | 77.2 | 59.7  | 97.6   | 37.7  |       |
| 506 | R00Y_075_050de | 0.75    | 0.25    | 0.25    | 0.75    | 0.5       | 0.5     | 390       | 0.75          | 0.25    | 0.381     | 49.3 | 39.1 | 18.6  | 43.3  | 25.4  | 0.762 | 0.363 | 0.365 | 49.2 | 39.0 | 18.4  | 43.1  | 25.2  | 0.2   | 375   | 1.0  | 0.0   | 0.263 | 50.9  | 78.3 | 37.3  | 86.7   | 25.4  |       |
| 507 | R26Y_075_050de | 0.75    | 0.25    | 0.375   | 0.75    | 0.5       | 0.5     | 376       | 0.75          | 0.25    | 0.464     | 49.6 | 40.2 | 7.0   | 40.8  | 9.8   | 0.755 | 0.367 | 0.449 | 49.6 | 40.0 | 6.6   | 40.6  | 9.4   | 0.3   | 364   | 1.0  | 0.0   | 0.429 | 51.6  | 80.5 | 14.0  | 81.7   | 9.8   |       |
| 508 | R00Y_075_050de | 0.75    | 0.25    | 0.5     | 0.75    | 0.5       | 0.5     | 360       | 0.75          | 0.25    | 0.558     | 50.3 | 41.8 | -5.8  | 42.2  | 352.0 | 0.747 | 0.373 | 0.543 | 50.3 | 41.5 | -5.9  | 41.9  | 351.7 | 0.3   | 352   | 1.0  | 0.0   | 0.617 | 52.9  | 83.6 | -11.6 | 84.4   | 352.0 |       |
| 509 | B61R_075_050de | 0.75    | 0.25    | 0.625   | 0.75    | 0.5       | 0.5     | 344       | 0.75          | 0.25    | 0.623     | 50.9 | 43.3 | -14.1 | 45.6  | 341.8 | 0.744 | 0.377 | 0.606 | 50.9 | 43.0 | -14.0 | 45.2  | 341.8 | 0.3   | 344   | 1.0  | 0.0   | 0.747 | 54.1  | 86.7 | -28.3 | 91.2   | 341.8 |       |
| 510 | B50R_075_050de | 0.75    | 0.25    | 0.75    | 0.75    | 0.5       | 0.5     | 330       | 0.75          | 0.25    | 0.745     | 52.4 | 47.0 | -28.7 | 55.1  | 328.6 | 0.743 | 0.385 | 0.724 | 52.4 | 46.7 | -28.6 | 54.8  | 328.4 | 0.3   | 330   | 1.0  | 0.0   | 0.991 | 57.1  | 94.1 | -57.4 | 110.3  | 328.6 |       |
| 511 | B40R_087_062de | 0.75    | 0.25    | 0.875   | 0.875   | 0.625     | 0.562   | 319       | 0.705         | 0.25    | 0.875     | 52.9 | 53.3 | -47.7 | 71.5  | 318.1 | 0.719 | 0.375 | 0.866 | 52.9 | 53.0 | -47.7 | 71.3  | 318.0 | 0.2   | 314   | 1.0  | 0.729 | 0.0   | 1.0   | 46.5 | 85.3  | -76.3  | 114.5 | 318.1 |
| 512 | B34R_100_075de | 0.75    | 0.25    | 1.0     | 1.0     | 0.75      | 0.625   | 311       | 0.583         | 0.25    | 1.0       | 51.6 | 59.3 | -69.1 | 91.1  | 310.5 | 0.636 | 0.35  | 1.0   | 51.4 | 58.9 | -68.5 | 90.3  | 310.6 | 0.7   | 296   | 1.0  | 0.444 | 0.0   | 1.0   | 37.0 | 79.0  | -92.2  | 121.5 | 310.5 |
| 513 | R50Y_075_075de | 0.75    | 0.375   | 0.0     | 0.75    | 0.75      | 0.375   | 60        | 0.75          | 0.365   | 0.0       | 47.3 | 32.0 | 53.1  | 62.0  | 58.8  | 0.729 | 0.364 | 0.045 | 47.2 | 31.9 | 53.8  | 62.5  | 59.3  | 0.6   | 59    | 1.0  | 0.487 | 0.0   | 63.1  | 42.7 | 70.8  | 82.7   | 58.8  |       |
| 514 | R38Y_075_062de | 0.75    | 0.375   | 0.125   | 0.75    | 0.625     | 0.437   | 53        | 0.75          | 0.362   | 0.125     | 48.4 | 34.3 | 42.5  | 54.7  | 51.0  | 0.748 | 0.369 | 0.176 | 48.3 | 40.0 | 42.9  | 54.8  | 51.6  | 0.5   | 52    | 1.0  | 0.379 | 0.0   | 58.3  | 54.9 | 68.1  | 87.5   | 51.0  |       |
| 515 | R23Y_075_050de | 0.75    | 0.375   | 0.25    | 0.75    | 0.5       | 0.5     | 44        | 0.75          | 0.301   | 0.25      | 49.5 | 37.2 | 32.4  | 49.3  | 41.0  | 0.769 | 0.371 | 0.269 | 49.5 | 37.0 | 32.3  | 49.1  | 41.1  | 0.2   | 35    | 1.0  | 0.102 | 0.0   | 51.3  | 74.4 | 64.8  | 98.7   | 41.0  |       |
| 516 | R00Y_075_037de | 0.75    | 0.375   | 0.375   | 0.75    | 0.375     | 0.562   | 390       | 0.75          | 0.375   | 0.473     | 54.8 | 29.3 | 13.9  | 32.5  | 25.4  | 0.765 | 0.459 | 0.451 | 54.7 | 29.1 | 13.6  | 32.1  | 25.1  | 0.3   | 375   | 1.0  | 0.0   | 0.263 | 50.9  | 78.3 | 37.3  | 86.7   | 25.4  |       |
| 517 | R18Y_075_037de | 0.75    | 0.375   | 0.5     | 0.75    | 0.375     | 0.562   | 371       | 0.75          | 0.375   | 0.557     | 55.2 | 30.4 | 2.2   | 30.5  | 4.3   | 0.754 | 0.464 | 0.537 | 55.2 | 30.1 | 2.0   | 30.2  | 3.9   | 0.3   | 360   | 1.0  | 0.0   | 0.486 | 51.9  | 81.1 | 6.1   | 81.3   | 4.3   |       |
| 518 | B65R_075_037de | 0.75    | 0.375   | 0.625   | 0.75    | 0.375     | 0.562   | 349       | 0.75          | 0.375   | 0.632     | 55.8 | 32.0 | -7.6  | 32.9  | 346.6 | 0.749 | 0.468 | 0.611 | 55.8 | 31.8 | -7.5  | 32.6  | 346.6 | 0.2   | 347   | 1.0  | 0.0   | 0.686 | 53.6  | 85.5 | -20.3 | 87.9   | 346.6 |       |
| 519 | B50R_075_037de | 0.75    | 0.375   | 0.75    | 0.75    | 0.375     | 0.562   | 330       | 0.75          | 0.375   | 0.746     | 57.2 | 35.3 | -21.5 | 41.3  | 328.6 | 0.744 | 0.478 | 0.725 | 57.1 | 34.9 | -21.4 | 41.0  | 328.4 | 0.3   | 330   | 1.0  | 0.0   | 0.991 | 57.1  | 94.1 | -57.4 | 110.3  | 328.6 |       |
| 520 | B38R_087_050de | 0.75    | 0.375   | 0.875   | 0.875   | 0.5       | 0.625   | 316       | 0.694         | 0.375   | 0.875     | 57.3 | 41.4 | -40.9 | 58.2  | 315.3 | 0.714 | 0.467 | 0.868 | 57.2 | 41.2 | -41.0 | 58.1  | 315.1 | 0.2   | 309   | 1.0  | 0.638 | 0.0   | 1.0   | 43.2 | 82.9  | -81.9  | 116.5 | 315.3 |
| 521 | B30R_100_062de | 0.75    | 0.375   | 1.0     | 1.0     | 0.625     | 0.687   | 307       | 0.466         | 0.375   | 1.0       | 55.3 | 47.7 | -63.7 | 79.6  | 306.8 | 0.618 | 0.437 | 1.0   | 55.0 | 46.9 | -62.6 | 78.3  | 306.8 | 1.3   | 277   | 1.0  | 0.145 | 0.0   | 1.0   | 31.2 | 76.3  | -102.0 | 127.4 | 306.8 |
| 522 | R68Y_075_075de | 0.75    | 0.5     | 0.0     | 0.75    | 0.75      | 0.375   | 71        | 0.75          | 0.469   | 0.0       | 52.6 | 19.2 | 56.3  | 59.5  | 71.1  | 0.728 | 0.461 | 0.056 | 52.5 | 18.9 | 57.0  | 60.0  | 71.6  | 0.7   | 68    | 1.0  | 0.626 | 0.0   | 70.1  | 25.6 | 75.1  | 79.3   | 71.   |       |

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| 567 | R00Y_087_087 <sub>de</sub> | 0.875 0.0 0.0       | 0.875 0.875 0.437   | 390                 | 0.875 0.0 0.23      | 44.5 68.5 32.6        | 0.864 0.053 0.232   | 44.3 68.9 32.4        | 76.1 25.2 0.4                        | 375                 | 0.263                 |
| 568 | R36Y_087_087 <sub>de</sub> | 0.875 0.0 0.125     | 0.875 0.875 0.437   | 382                 | 0.875 0.0 0.315     | 44.8 69.4 20.6        | 0.863 0.055 0.317   | 44.6 69.7 20.2        | 72.6 16.1 0.5                        | 369                 | 0.36                  |
| 569 | R23Y_087_087 <sub>de</sub> | 0.875 0.0 0.25      | 0.875 0.875 0.437   | 374                 | 0.875 0.0 0.395     | 45.3 70.7 9.5         | 0.865 0.049 0.395   | 45.1 71.2 9.0         | 71.7 7.2 0.6                         | 363                 | 0.452                 |
| 570 | R08Y_087_087 <sub>de</sub> | 0.875 0.0 0.375     | 0.875 0.875 0.437   | 365                 | 0.875 0.0 0.487     | 45.9 72.4 -2.9        | 0.864 0.051 0.484   | 45.7 72.8 -3.5        | 72.8 35.7 1.7                        | 356                 | 0.557                 |
| 571 | B70R_087_087 <sub>de</sub> | 0.875 0.0 0.5       | 0.875 0.875 0.437   | 355                 | 0.875 0.0 0.538     | 46.3 73.1 -9.8        | 0.863 0.059 0.534   | 46.1 73.5 -10.3       | 74.3 35.9 0.6                        | 352                 | 0.615                 |
| 572 | B63R_087_087 <sub>de</sub> | 0.875 0.0 0.625     | 0.875 0.875 0.437   | 346                 | 0.875 0.0 0.632     | 47.2 75.5 -21.9       | 0.864 0.057 0.622   | 47.0 75.9 -22.0       | 79.0 34.7 0.4                        | 345                 | 0.723                 |
| 573 | B56R_087_087 <sub>de</sub> | 0.875 0.0 0.75      | 0.875 0.875 0.437   | 338                 | 0.875 0.0 0.735     | 48.3 78.3 -34.5       | 0.862 0.061 0.722   | 48.0 78.6 -34.8       | 86.0 33.6 0.4                        | 338                 | 0.84                  |
| 574 | B50R_087_087 <sub>de</sub> | 0.875 0.0 0.875     | 0.875 0.875 0.437   | 330                 | 0.875 0.0 0.867     | 50.0 82.3 -50.2       | 0.861 0.068 0.853   | 49.8 82.7 -50.5       | 96.9 32.0 0.4                        | 330                 | 0.991                 |
| 575 | B44R_100_100 <sub>de</sub> | 0.875 0.0 1.0       | 1.0 1.0 0.5         | 323                 | 0.837 0.0 1.0       | 50.7 88.7 -69.4       | 0.837 0.0 1.0       | 50.6 88.6 -69.4       | 112.5 32.9 0.1                       | 321                 | 0.837                 |
| 576 | R13Y_087_087 <sub>de</sub> | 0.875 0.125 0.0     | 0.875 0.875 0.437   | 38                  | 0.875 0.0 0.122     | 44.3 67.7 46.4        | 0.864 0.052 0.13    | 44.1 68.2 46.2        | 82.4 34.1 0.4                        | 382                 | 0.14                  |
| 577 | R00Y_087_075 <sub>de</sub> | 0.875 0.125 0.125   | 0.875 0.75 0.5      | 390                 | 0.875 0.125 0.322   | 50.1 58.7 27.9        | 0.884 0.266 0.313   | 50.0 58.7 27.7        | 65.0 25.3 0.2                        | 375                 | 0.263                 |
| 578 | R35Y_087_075 <sub>de</sub> | 0.875 0.125 0.25    | 0.875 0.75 0.5      | 381                 | 0.875 0.125 0.404   | 50.4 59.4 16.4        | 0.88 0.269 0.397    | 50.3 59.5 16.0        | 61.6 15.1 0.3                        | 368                 | 0.373                 |
| 579 | R18Y_087_075 <sub>de</sub> | 0.875 0.125 0.375   | 0.875 0.75 0.5      | 371                 | 0.875 0.125 0.489   | 50.9 60.8 4.5         | 0.878 0.271 0.482   | 50.8 60.9 4.1         | 61.1 3.9 0.4                         | 360                 | 0.486                 |
| 580 | R00Y_087_075 <sub>de</sub> | 0.875 0.125 0.5     | 0.875 0.75 0.5      | 360                 | 0.875 0.125 0.588   | 51.6 62.7 -8.7        | 0.874 0.275 0.579   | 51.5 62.7 -8.9        | 63.4 35.1 0.2                        | 352                 | 0.617                 |
| 581 | B65R_087_075 <sub>de</sub> | 0.875 0.125 0.625   | 0.875 0.75 0.5      | 349                 | 0.875 0.125 0.639   | 52.1 64.1 -15.2       | 0.876 0.275 0.628   | 52.0 64.2 -15.2       | 66.0 34.6 0.1                        | 347                 | 0.686                 |
| 582 | B57R_087_075 <sub>de</sub> | 0.875 0.125 0.75    | 0.875 0.75 0.5      | 339                 | 0.875 0.125 0.743   | 53.2 66.8 -28.1       | 0.874 0.28 0.731    | 53.0 67.0 -28.3       | 72.7 33.1 0.2                        | 339                 | 0.824                 |
| 583 | B50R_087_075 <sub>de</sub> | 0.875 0.125 0.875   | 0.875 0.75 0.5      | 330                 | 0.875 0.125 0.868   | 54.8 70.6 -43.0       | 0.872 0.287 0.856   | 54.6 70.8 -43.3       | 83.0 32.8 0.3                        | 330                 | 0.991                 |
| 584 | B43R_100_087 <sub>de</sub> | 0.875 0.125 1.0     | 1.0 0.875 0.562     | 322                 | 0.834 0.125 1.0     | 55.3 76.9 -62.2       | 0.847 0.271 1.0     | 55.2 76.9 -62.0       | 98.8 31.0 0.2                        | 319                 | 0.811                 |
| 585 | R26Y_087_087 <sub>de</sub> | 0.875 0.25 0.0      | 0.875 0.875 0.437   | 46                  | 0.875 0.173 0.0     | 46.4 60.9 57.4        | 0.863 0.187 0.019   | 46.1 61.5 57.3        | 84.1 43.0 0.6                        | 40                  | 0.198                 |
| 586 | R15Y_087_087 <sub>de</sub> | 0.875 0.25 0.125    | 0.875 0.75 0.5      | 39                  | 0.875 0.125 0.217   | 49.8 57.9 41.3        | 0.887 0.265 0.213   | 49.7 57.9 41.5        | 71.2 35.6 0.2                        | 383                 | 0.123                 |
| 587 | R00Y_087_062 <sub>de</sub> | 0.875 0.25 0.25     | 0.875 0.625 0.562   | 390                 | 0.875 0.25 0.414    | 55.6 48.9 23.3        | 0.899 0.388 0.399   | 55.6 48.8 23.0        | 54.0 25.2 0.2                        | 375                 | 0.263                 |
| 588 | R31Y_087_062 <sub>de</sub> | 0.875 0.25 0.375    | 0.875 0.625 0.562   | 379                 | 0.875 0.25 0.497    | 56.0 49.9 11.7        | 0.893 0.391 0.484   | 55.9 49.8 11.4        | 51.1 12.9 0.3                        | 366                 | 0.395                 |
| 589 | R11Y_087_062 <sub>de</sub> | 0.875 0.25 0.5      | 0.875 0.625 0.562   | 367                 | 0.875 0.25 0.583    | 56.5 51.3 -0.1        | 0.888 0.394 0.57    | 56.4 51.2 -0.2        | 51.2 35.9 0.1                        | 357                 | 0.533                 |
| 590 | B69R_087_062 <sub>de</sub> | 0.875 0.25 0.625    | 0.875 0.625 0.562   | 353                 | 0.875 0.25 0.648    | 57.0 52.5 -8.8        | 0.884 0.398 0.636   | 56.9 52.4 -8.7        | 53.1 35.0 0.1                        | 350                 | 0.637                 |
| 591 | B59R_087_062 <sub>de</sub> | 0.875 0.25 0.75     | 0.875 0.625 0.562   | 341                 | 0.875 0.25 0.745    | 58.0 55.1 -21.1       | 0.882 0.403 0.734   | 57.9 55.0 -21.1       | 58.9 33.0 0.1                        | 341                 | 0.793                 |
| 592 | B50R_087_062 <sub>de</sub> | 0.875 0.25 0.875    | 0.875 0.625 0.562   | 330                 | 0.875 0.25 0.869    | 59.5 58.8 -35.9       | 0.879 0.411 0.859   | 59.5 58.8 -35.9       | 68.9 32.8 0.1                        | 330                 | 0.991                 |
| 593 | B42R_100_075 <sub>de</sub> | 0.875 0.25 1.0      | 1.0 0.75 0.625      | 321                 | 0.838 0.25 1.0      | 60.3 62.5 -54.6       | 0.861 0.401 1.0     | 60.2 65.0 -54.0       | 84.6 32.0 0.6                        | 318                 | 0.784                 |
| 594 | R41Y_087_087 <sub>de</sub> | 0.875 0.375 0.0     | 0.875 0.875 0.437   | 55                  | 0.875 0.358 0.0     | 52.2 45.0 60.4        | 0.863 0.361 0.021   | 52.2 45.0 60.6        | 75.5 53.4 0.1                        | 54                  | 0.41                  |
| 595 | R31Y_087_075 <sub>de</sub> | 0.875 0.375 0.125   | 0.875 0.75 0.5      | 49                  | 0.875 0.342 0.125   | 53.4 47.3 50.1        | 0.865 0.366 0.169   | 53.4 47.2 50.5        | 69.1 46.9 0.4                        | 46                  | 0.29                  |
| 596 | R18Y_087_062 <sub>de</sub> | 0.875 0.375 0.25    | 0.875 0.625 0.562   | 41                  | 0.875 0.25 0.288    | 55.4 48.2 37.3        | 0.906 0.385 0.294   | 55.4 48.1 37.3        | 60.9 37.2 0.1                        | 386                 | 0.062                 |
| 597 | R00Y_087_050 <sub>de</sub> | 0.875 0.375 0.375   | 0.875 0.5 0.625     | 390                 | 0.875 0.375 0.506   | 61.2 39.1 18.6        | 0.908 0.492 0.486   | 61.2 39.0 18.4        | 43.1 25.2 0.2                        | 375                 | 0.263                 |
| 598 | R26Y_087_050 <sub>de</sub> | 0.875 0.375 0.5     | 0.875 0.5 0.625     | 376                 | 0.875 0.375 0.589   | 61.6 40.2 7.0         | 0.899 0.496 0.572   | 61.6 39.9 7.0         | 40.6 9.9 0.2                         | 364                 | 0.429                 |
| 599 | R00Y_087_050 <sub>de</sub> | 0.875 0.375 0.625   | 0.875 0.5 0.625     | 360                 | 0.875 0.375 0.683   | 62.2 41.8 -5.8        | 0.889 0.502 0.67    | 62.2 41.4 -5.6        | 41.8 35.2 0.4                        | 352                 | 0.617                 |
| 600 | B61R_087_050 <sub>de</sub> | 0.875 0.375 0.75    | 0.875 0.5 0.625     | 344                 | 0.875 0.375 0.748   | 62.8 43.3 -14.1       | 0.885 0.506 0.737   | 62.9 43.0 -14.0       | 45.2 34.9 0.3                        | 344                 | 0.747                 |
| 601 | B50R_087_050 <sub>de</sub> | 0.875 0.375 0.875   | 0.875 0.5 0.625     | 330                 | 0.875 0.375 0.87    | 64.3 47.0 -28.5       | 0.884 0.515 0.86    | 64.3 46.8 -28.6       | 54.9 32.8 0.2                        | 330                 | 0.991                 |
| 602 | B40R_100_062 <sub>de</sub> | 0.875 0.375 1.0     | 1.0 0.625 0.687     | 319                 | 0.83 0.375 1.0      | 64.8 53.3 -47.7       | 0.862 0.501 1.0     | 64.5 53.3 -47.1       | 71.2 31.8 0.6                        | 314                 | 0.729                 |
| 603 | R58Y_087_087 <sub>de</sub> | 0.875 0.5 0.0       | 0.875 0.875 0.437   | 65                  | 0.875 0.483 0.0     | 58.0 30.5 63.9        | 0.863 0.481 0.024   | 58.0 30.3 64.2        | 71.0 64.6 0.2                        | 63                  | 0.552                 |
| 604 | R50Y_087_075 <sub>de</sub> | 0.875 0.5 0.125     | 0.875 0.75 0.5      | 60                  | 0.875 0.49 0.125    | 59.2 32.0 53.1        | 0.88 0.49 0.19      | 59.2 31.7 53.6        | 62.3 59.3 0.6                        | 59                  | 0.487                 |
| 605 | R38Y_087_062 <sub>de</sub> | 0.875 0.5 0.25      | 0.875 0.625 0.562   | 53                  | 0.875 0.487 0.25    | 60.3 34.3 42.5        | 0.898 0.495 0.296   | 60.3 34.1 42.6        | 54.6 51.3 0.2                        | 52                  | 0.379                 |
| 606 | R23Y_087_050 <sub>de</sub> | 0.875 0.5 0.375     | 0.875 0.5 0.625     | 44                  | 0.875 0.426 0.375   | 61.4 37.2 32.4        | 0.918 0.498 0.387   | 61.4 37.0 32.3        | 49.1 41.0 0.2                        | 35                  | 0.102                 |
| 607 | R00Y_087_037 <sub>de</sub> | 0.875 0.5 0.5       | 0.875 0.375 0.687   | 390                 | 0.875 0.5 0.598     | 66.8 29.3 13.9        | 0.908 0.586 0.574   | 66.6 29.3 13.8        | 32.4 25.2 0.1                        | 375                 | 0.263                 |
| 608 | R18Y_087_037 <sub>de</sub> | 0.875 0.5 0.625     | 0.875 0.375 0.687   | 371                 | 0.875 0.5 0.682     | 67.1 30.4 2.2         | 0.895 0.59 0.663    | 67.0 30.4 2.2         | 30.5 4.2 0.1                         | 360                 | 0.486                 |
| 609 | B65R_087_037 <sub>de</sub> | 0.875 0.5 0.75      | 0.875 0.375 0.687   | 349                 | 0.875 0.5 0.757     | 67.8 32.0 -7.6        | 0.888 0.595 0.743   | 67.6 32.1 -7.7        | 33.0 34.6 0.1                        | 347                 | 0.686                 |
| 610 | B50R_087_037 <sub>de</sub> | 0.875 0.5 0.875     | 0.875 0.375 0.687   | 330                 | 0.875 0.5 0.871     | 69.1 35.3 -21.5       | 0.884 0.604 0.861   | 69.0 35.4 -21.6       | 41.5 32.8 0.2                        | 330                 | 0.991                 |
| 611 | B38R_100_050 <sub>de</sub> | 0.875 0.5 1.0       | 1.0 0.5 0.75        | 316                 | 0.819 0.5 1.0       | 69.3 41.4 -40.9       | 0.855 0.595 1.0     | 69.0 41.1 -40.1       | 57.4 31.5 0.9                        | 309                 | 0.638                 |
| 612 | R73Y_087_087 <sub>de</sub> | 0.875 0.625 0.0     | 0.875 0.875 0.437   | 74                  | 0.875 0.578 0.0     | 63.1 18.6 67.1        | 0.862 0.571 0.031   | 63.0 18.6 67.3        | 69.8 74.5 0.2                        | 70                  | 0.661                 |
| 613 | R68Y_087_075 <sub>de</sub> | 0.875 0.625 0.125   | 0.875 0.75 0.5      | 71                  | 0.875 0.594 0.125   | 64.5 19.2 56.3        | 0.875 0.585 0.209   | 64.4 19.2 56.6        | 59.8 71.2 0.3                        | 68                  | 0.626                 |
| 614 | R61Y_087_062 <sub>de</sub> | 0.875 0.625 0.25    | 0.875 0.625 0.562   | 67                  | 0.875 0.61 0.25     | 66.1 19.8 46.1        | 0.89 0.601 0.32     | 65.9 19.9 46.1        | 50.2 66.6 0.1                        | 65                  | 0.576                 |
| 615 | R50Y_087_050 <sub>de</sub> | 0.875 0.625 0.375   | 0.875 0.5 0.625     | 60                  | 0.875 0.618 0.375   | 67.3 21.3 35.4        | 0.901 0.611 0.42    | 67.1 21.4 35.1        | 41.1 55.5 0.3                        | 59                  | 0.487                 |
| 616 | R31Y_087_037 <sub>de</sub> | 0.875 0.625 0.5     | 0.875 0.375 0.687   | 49                  | 0.875 0.608 0.5     | 68.4 23.6 25.0        | 0.914 0.619 0.512   | 68.3 23.8 24.6        | 34.3 45.9 0.4                        | 46                  | 0.29                  |
| 617 | R00Y_087_025 <sub>de</sub> | 0.875 0.625 0.625   | 0.875 0.25 0.75     | 390                 | 0.875 0.625 0.69    | 72.3 19.5 9.3         | 0.876 0.678 0.666   | 72.1 19.5 9.2         | 21.6 25.2 0.2                        | 375                 | 0.263                 |
| 618 | R00Y_087_025 <sub>de</sub> | 0.875 0.625 0.75    | 0.875 0.25 0.75     | 360                 | 0.875 0.625 0.779   | 72.8 20.9 -2.9        | 0.884 0.683 0.763   | 72.6 20.9 -3.0        | 21.1 35.1 0.2                        | 352                 | 0.617                 |
| 619 | B50R_087_025 <sub>de</sub> | 0.875 0.625 0.875   | 0.875 0.25 0.75     | 330                 | 0.875 0.625 0.872   | 73.9 23.5 -14.3       | 0.88 0.692 0.861    | 73.7 23.6 -14.5       | 27.7 32.8 0.2                        | 330                 | 0.991                 |
| 620 | B34R_100_037 <sub>de</sub> | 0.875 0.625 1.0     | 1.0 0.375 0.812     | 311                 | 0.791 0.625 1.0     | 73.5 29.6 -34.5       | 0.841 0.677 1.0     | 73.2 29.2 -33.6       | 44.5 31.0 0.9                        | 296                 | 0.444                 |
| 621 | R86Y_087_087 <sub>de</sub> | 0.875 0.75 0.0      | 0.875 0.875 0.437   | 82                  | 0.875 0.66 0.0      | 67.8 8.1 70.0         | 0.861 0.65 0.04     | 67.6 8.1 70.3         | 70.8 83.3 0.3                        | 76                  | 0.754                 |
| 622 | R85Y_087_075 <sub>de</sub> | 0.875 0.75 0.125    | 0.875 0.75 0.5      | 81                  | 0.875 0.682 0.125   | 69.0 8.0 59.7         | 0.872 0.669 0.226   | 69.4 8.1 59.8         | 60.4 82.2 0.2                        | 75                  | 0.742                 |
| 623 | R81Y_087_062 <sub>de</sub> | 0.875 0.75 0.25     | 0.875 0.625 0.562   | 70                  | 0.875 0.699 0.25    | 71.0 8.6 49.3         | 0.88 0.685 0.341    | 70.8 8.6 49.2         | 50.0 79.9 0.1                        | 74                  | 0.719                 |
| 624 | R76Y_087_050 <sub>de</sub> | 0.875 0.75 0.375    | 0.875 0.5 0.625     | 76                  | 0.875 0.717 0.375   | 72.5 9.1 38.8         | 0.892 0.702 0.443   | 72.3 9.1 38.6         | 39.7 76.6 0.2                        | 72                  | 0.684                 |
| 625 | R68Y_087_037 <sub>de</sub> | 0.875 0.75 0.5      | 0.875 0.375 0.687   | 71                  | 0.875 0.734 0.5     | 74.0 9.6 28.1         | 0.894 0.72 0.542    | 73.8 9.6 27.9         | 29.5 70.9 0.2                        | 69                  | 0.626                 |
| 626 | R50Y_087_025 <sub>de</sub> | 0.875 0.75 0.625    | 0.875 0.25 0.75     | 60                  | 0.875 0.746 0.625   | 75.4 10.6 17.7        | 0.888 0.735 0.635   | 75.2 10.7 17.7        | 20.7 58.8 0.1                        | 58                  | 0.487                 |
| 627 | R00Y_087_012 <sub>de</sub> | 0.875 0.75 0.75     | 0.875 0.125 0.812   | 390                 | 0.875 0.75 0.882    | 77.9 9.7 4.6          | 0.886 0.769 0.762   | 77.8 9.7 4.6          | 10.8 25.3 0.1                        | 375                 | 0.263                 |
| 628 | B                          |                     |                     |                     |                     |                       |                     |                       |                                      |                     |                       |

http://130.149.60.45/~farbmetrik/SI12/SI12L0FP.PDF /.PS; 3D-linearizzazzione  
F: 3D-linearizzazzione SI12/SI12LI30FP.DAT nel file (F), pagina 24/29

| n   | HIC*F <sub>de</sub> | rgb_F <sub>de</sub> | ic <sub>t</sub> _F <sub>de</sub> | hsi_F <sub>de</sub> | rgb**F <sub>de</sub> | LabCh*F <sub>de</sub> | rgb**F <sub>de</sub> | LabCh*F <sub>de</sub> | DE**F <sub>de</sub> hsi <sub>de</sub> | rgb**M <sub>de</sub> | LabCh*M <sub>de</sub> |
|-----|---------------------|---------------------|----------------------------------|---------------------|----------------------|-----------------------|----------------------|-----------------------|---------------------------------------|----------------------|-----------------------|
| 648 | R00Y_100_100de      | 1.0 0.0 0.0         | 1.0 1.0 0.5                      | 390                 | 1.0 0.0 0.263        | 50.9 78.3 37.3        | 86.7 25.4            | 1.0 0.0 0.264         | 50.9 78.1 37.1                        | 86.5 25.4 0.2        | 375                   |
| 649 | R38Y_100_100de      | 1.0 0.0 0.125       | 1.0 1.0 0.5                      | 383                 | 1.0 0.0 0.348        | 51.2 79.3 25.2        | 83.2 17.6            | 1.0 0.0 0.35          | 51.2 78.9 25.0                        | 82.8 17.6 0.3        | 369                   |
| 650 | R26Y_100_100de      | 1.0 0.0 0.25        | 1.0 1.0 0.5                      | 376                 | 1.0 0.0 0.429        | 51.6 80.5 14.0        | 81.7 9.8             | 1.0 0.0 0.431         | 51.6 80.0 13.7                        | 81.2 9.7 0.6         | 364                   |
| 651 | R13Y_100_100de      | 1.0 0.0 0.375       | 1.0 1.0 0.5                      | 368                 | 1.0 0.0 0.521        | 52.2 81.8 1.3         | 81.8 0.9             | 1.0 0.0 0.522         | 52.2 81.5 1.1                         | 81.5 0.7 0.3         | 358                   |
| 652 | R00Y_100_100de      | 1.0 0.0 0.5         | 1.0 1.0 0.5                      | 360                 | 1.0 0.0 0.617        | 52.9 83.6 -11.6       | 84.4 352.0           | 1.0 0.0 0.616         | 52.9 83.4 -11.5                       | 84.2 352.1 0.1       | 352                   |
| 653 | B68R_100_100de      | 1.0 0.0 0.625       | 1.0 1.0 0.5                      | 352                 | 1.0 0.0 0.65         | 53.2 84.5 -15.7       | 85.9 349.4           | 1.0 0.0 0.647         | 53.2 84.1 -15.6                       | 85.6 349.4 0.3       | 350                   |
| 654 | B61R_100_100de      | 1.0 0.0 0.75        | 1.0 1.0 0.5                      | 344                 | 1.0 0.0 0.747        | 54.1 86.7 -28.3       | 91.2 341.8           | 1.0 0.0 0.746         | 54.1 86.6 -28.2                       | 91.1 341.9 0.1       | 344                   |
| 655 | B55R_100_100de      | 1.0 0.0 0.875       | 1.0 1.0 0.5                      | 337                 | 1.0 0.0 0.855        | 55.4 89.9 -41.4       | 99.0 335.2           | 1.0 0.0 0.854         | 55.3 89.7 -41.4                       | 98.8 335.1 0.2       | 337                   |
| 656 | B50R_100_100de      | 1.0 0.0 1.0         | 1.0 1.0 0.5                      | 330                 | 1.0 0.0 0.991        | 57.1 94.1 -57.4       | 110.3 328.6          | 1.0 0.0 0.991         | 57.1 94.0 -57.4                       | 110.3 328.5 0.0      | 330                   |
| 657 | R11Y_100_100de      | 1.0 0.125 0.0       | 1.0 1.0 0.5                      | 37                  | 1.0 0.0 0.156        | 50.6 77.6 50.9        | 92.9 33.2            | 1.0 0.0 0.157         | 50.6 77.3 51.2                        | 92.8 33.5 0.4        | 381                   |
| 658 | R00Y_100_087de      | 1.0 0.125 0.125     | 1.0 0.875 0.562                  | 390                 | 1.0 0.125 0.355      | 56.4 68.5 32.6        | 75.8 25.4            | 1.0 0.274 0.346       | 55.4 67.0 30.9                        | 73.8 24.8 2.4        | 375                   |
| 659 | R36Y_100_087de      | 1.0 0.125 0.25      | 1.0 0.875 0.562                  | 382                 | 1.0 0.125 0.44       | 56.8 69.4 20.6        | 72.4 16.5            | 1.0 0.276 0.434       | 55.8 68.1 18.7                        | 70.7 15.5 2.2        | 369                   |
| 660 | R23Y_100_087de      | 1.0 0.125 0.375     | 1.0 0.875 0.562                  | 374                 | 1.0 0.125 0.52       | 57.2 70.7 9.5         | 71.4 7.6             | 1.0 0.25 0.5          | 55.5 71.3 9.0                         | 71.8 7.2 1.8         | 363                   |
| 661 | R08Y_100_087de      | 1.0 0.125 0.5       | 1.0 0.875 0.562                  | 365                 | 1.0 0.125 0.612      | 57.8 72.4 -2.9        | 72.4 357.6           | 1.0 0.279 0.607       | 57.0 71.4 -4.2                        | 71.5 356.6 1.7       | 356                   |
| 662 | B70R_100_087de      | 1.0 0.125 0.625     | 1.0 0.875 0.562                  | 355                 | 1.0 0.125 0.663      | 58.2 73.1 -9.8        | 73.8 352.3           | 1.0 0.282 0.66        | 57.5 72.4 -10.8                       | 73.2 351.4 1.4       | 352                   |
| 663 | B63R_100_087de      | 1.0 0.125 0.75      | 1.0 0.875 0.562                  | 346                 | 1.0 0.125 0.757      | 59.1 75.5 -21.9       | 78.6 343.7           | 1.0 0.285 0.749       | 58.3 74.7 -22.1                       | 77.9 343.4 1.1       | 345                   |
| 664 | B56R_100_087de      | 1.0 0.125 0.875     | 1.0 0.875 0.562                  | 338                 | 1.0 0.125 0.86       | 60.2 78.3 -34.5       | 85.6 336.1           | 1.0 0.289 0.859       | 59.6 77.8 -35.6                       | 85.6 335.4 1.3       | 338                   |
| 665 | B50R_100_087de      | 1.0 0.125 1.0       | 1.0 0.875 0.562                  | 330                 | 1.0 0.125 0.992      | 61.9 82.3 -50.2       | 96.5 328.6           | 1.0 0.296 0.994       | 61.3 82.1 -51.2                       | 96.7 328.0 1.1       | 330                   |
| 666 | R23Y_100_100de      | 1.0 0.25 0.0        | 1.0 1.0 0.5                      | 44                  | 1.0 0.102 0.0        | 51.3 74.4 64.8        | 98.7 41.0            | 0.999 0.102 0.0       | 51.2 74.7 64.8                        | 98.9 40.9 0.2        | 35                    |
| 667 | R13Y_100_087de      | 1.0 0.25 0.125      | 1.0 0.875 0.562                  | 38                  | 1.0 0.125 0.247      | 56.2 67.7 46.4        | 82.1 34.3            | 1.0 0.272 0.242       | 55.0 66.0 44.7                        | 79.7 34.1 2.6        | 382                   |
| 668 | R00Y_100_075de      | 1.0 0.25 0.25       | 1.0 0.75 0.625                   | 390                 | 1.0 0.25 0.447       | 62.0 58.7 27.9        | 65.0 25.4            | 1.0 0.409 0.432       | 60.5 55.4 25.5                        | 61.0 24.7 4.3        | 375                   |
| 669 | R35Y_100_075de      | 1.0 0.25 0.375      | 1.0 0.75 0.625                   | 381                 | 1.0 0.25 0.529       | 62.3 59.4 16.4        | 61.6 15.4            | 1.0 0.412 0.501       | 60.9 56.4 16.4                        | 58.8 16.2 3.3        | 368                   |
| 670 | R18Y_100_075de      | 1.0 0.25 0.5        | 1.0 0.75 0.625                   | 371                 | 1.0 0.25 0.614       | 62.8 60.8 4.5         | 61.0 4.3             | 1.0 0.415 0.605       | 61.6 58.5 2.9                         | 58.6 2.8 3.0         | 360                   |
| 671 | R00Y_100_075de      | 1.0 0.25 0.625      | 1.0 0.75 0.625                   | 360                 | 1.0 0.25 0.713       | 63.5 62.7 -8.7        | 63.3 352.0           | 1.0 0.42 0.709        | 62.6 60.9 -10.1                       | 61.7 350.5 2.4       | 352                   |
| 672 | B65R_100_075de      | 1.0 0.25 0.75       | 1.0 0.75 0.625                   | 349                 | 1.0 0.25 0.764       | 64.0 61.1 -15.2       | 65.9 346.6           | 1.0 0.421 0.749       | 62.9 62.0 -15.1                       | 63.8 346.2 2.3       | 347                   |
| 673 | B57R_100_075de      | 1.0 0.25 0.875      | 1.0 0.75 0.625                   | 339                 | 1.0 0.25 0.868       | 65.1 66.8 -28.1       | 72.5 337.1           | 1.0 0.427 0.868       | 64.2 65.4 -29.5                       | 71.8 335.7 2.1       | 339                   |
| 674 | B50R_100_075de      | 1.0 0.25 1.0        | 1.0 0.75 0.625                   | 330                 | 1.0 0.25 0.993       | 66.7 70.6 -43.0       | 82.7 325.8           | 1.0 0.436 0.997       | 65.9 69.4 -44.3                       | 82.4 324.7 1.8       | 330                   |
| 675 | R36Y_100_100de      | 1.0 0.375 0.0       | 1.0 1.0 0.5                      | 52                  | 1.0 0.358 0.0        | 57.6 56.9 67.8        | 88.5 49.9            | 0.999 0.359 0.0       | 57.6 57.0 67.6                        | 88.4 49.8 0.1        | 50                    |
| 676 | R26Y_100_087de      | 1.0 0.375 0.125     | 1.0 0.875 0.562                  | 46                  | 1.0 0.298 0.125      | 58.3 60.9 57.4        | 83.7 43.3            | 1.0 0.344 0.161       | 57.2 59.0 56.4 81.7                   | 43.7 2.4 4.0         | 10                    |
| 677 | R15Y_100_075de      | 1.0 0.375 0.25      | 1.0 0.75 0.625                   | 39                  | 1.0 0.25 0.342       | 61.8 57.9 41.3        | 71.1 35.5            | 1.0 0.408 0.33        | 60.0 54.0 38.8                        | 66.5 35.6 4.8        | 383                   |
| 678 | R00Y_100_062de      | 1.0 0.375 0.375     | 1.0 0.625 0.687                  | 390                 | 1.0 0.375 0.539      | 67.6 48.9 23.3        | 54.2 25.4            | 1.0 0.5 0.5           | 60.7 46.4 21.9                        | 51.3 25.2 3.9        | 375                   |
| 679 | R31Y_100_062de      | 1.0 0.375 0.5       | 1.0 0.625 0.687                  | 379                 | 1.0 0.375 0.622      | 67.9 49.9 11.7        | 51.2 13.2            | 1.0 0.525 0.607       | 66.5 46.0 9.6                         | 47.0 11.8 4.6        | 366                   |
| 680 | R11Y_100_062de      | 1.0 0.375 0.625     | 1.0 0.625 0.687                  | 367                 | 1.0 0.375 0.708      | 68.4 51.3 -0.1        | 51.3 359.8           | 1.0 0.529 0.699       | 67.2 48.2 -1.8                        | 48.2 357.7 3.7       | 357                   |
| 681 | B69R_100_062de      | 1.0 0.375 0.75      | 1.0 0.625 0.687                  | 353                 | 1.0 0.375 0.773      | 68.9 52.5 -8.8        | 53.3 350.4           | 1.0 0.5 0.75          | 66.3 53.2 -10.2                       | 54.2 349.1 3.0       | 350                   |
| 682 | B59R_100_062de      | 1.0 0.375 0.875     | 1.0 0.625 0.687                  | 341                 | 1.0 0.375 0.87       | 69.9 55.1 -21.1       | 59.0 339.0           | 1.0 0.538 0.87        | 69.0 53.0 -22.5                       | 57.6 336.9 2.7       | 341                   |
| 683 | B50R_100_062de      | 1.0 0.375 1.0       | 1.0 0.625 0.687                  | 330                 | 1.0 0.375 0.994      | 71.5 58.8 -35.9       | 68.9 328.6           | 1.0 0.547 0.999       | 70.6 57.1 -37.2                       | 68.2 326.8 2.3       | 330                   |
| 684 | R50Y_100_100de      | 1.0 0.5 0.0         | 1.0 1.0 0.5                      | 60                  | 1.0 0.487 0.0        | 63.1 42.7 70.8        | 82.7 58.8            | 0.999 0.489 0.0       | 63.1 42.6 70.7                        | 82.5 58.9 0.1        | 59                    |
| 685 | R41Y_100_087de      | 1.0 0.5 0.125       | 1.0 0.875 0.562                  | 55                  | 1.0 0.483 0.125      | 64.2 45.0 60.4        | 75.4 53.3            | 1.0 0.493 0.18        | 63.5 42.7 60.1                        | 73.7 54.5 2.3        | 54                    |
| 686 | R31Y_100_075de      | 1.0 0.5 0.25        | 1.0 0.75 0.625                   | 49                  | 1.0 0.467 0.25       | 65.4 47.3 50.1        | 68.9 46.6            | 1.0 0.5 0.292         | 64.0 43.0 48.2                        | 64.6 48.2 4.8        | 46                    |
| 687 | R18Y_100_062de      | 1.0 0.5 0.375       | 1.0 0.625 0.687                  | 41                  | 1.0 0.375 0.413      | 67.3 48.2 37.3        | 61.0 37.7            | 1.0 0.5 0.375         | 64.2 44.1 38.0                        | 58.3 40.7 5.1        | 386                   |
| 688 | R00Y_100_050de      | 1.0 0.5 0.5         | 1.0 0.5 0.75                     | 390                 | 1.0 0.5 0.631        | 73.1 39.1 18.6        | 43.3 25.4            | 1.0 0.622 0.61        | 71.4 33.9 16.1                        | 37.6 25.4 5.9        | 375                   |
| 689 | R26Y_100_050de      | 1.0 0.5 0.625       | 1.0 0.5 0.75                     | 376                 | 1.0 0.5 0.714        | 73.5 40.2 7.0         | 40.8 9.8             | 1.0 0.623 0.7         | 72.0 36.5 4.7                         | 36.8 7.4 4.6         | 364                   |
| 690 | R00Y_100_050de      | 1.0 0.5 0.75        | 1.0 0.5 0.75                     | 360                 | 1.0 0.5 0.808        | 74.1 41.8 -5.8        | 42.2 352.0           | 1.0 0.623 0.804       | 72.6 40.0 -8.0                        | 40.8 348.5 3.2       | 352                   |
| 691 | B61R_100_050de      | 1.0 0.5 0.875       | 1.0 0.5 0.75                     | 344                 | 1.0 0.5 0.873        | 74.8 43.3 -14.1       | 45.6 341.8           | 1.0 0.623 0.873       | 73.2 42.6 -16.5                       | 45.7 338.7 2.9       | 344                   |
| 692 | B50R_100_050de      | 1.0 0.5 1.0         | 1.0 0.5 0.75                     | 330                 | 1.0 0.5 0.995        | 76.3 47.0 -28.7       | 55.1 328.6           | 1.0 0.645 1.0         | 75.4 45.0 -29.9                       | 54.1 326.3 2.5       | 330                   |
| 693 | R63Y_100_100de      | 1.0 0.625 0.0       | 1.0 1.0 0.5                      | 68                  | 1.0 0.589 0.0        | 68.2 30.2 74.2        | 80.1 67.8            | 1.0 0.588 0.0         | 68.1 30.4 73.7                        | 79.8 67.5 0.4        | 65                    |
| 694 | R58Y_100_087de      | 1.0 0.625 0.125     | 1.0 0.875 0.562                  | 65                  | 1.0 0.608 0.125      | 69.9 30.5 63.9        | 70.8 64.4            | 1.0 0.607 0.197       | 69.3 28.8 63.6                        | 69.9 65.6 1.8        | 63                    |
| 695 | R50Y_100_075de      | 1.0 0.625 0.25      | 1.0 0.75 0.625                   | 60                  | 1.0 0.615 0.25       | 71.1 32.0 53.1        | 62.0 58.8            | 1.0 0.618 0.318       | 70.1 28.7 51.8                        | 59.2 60.9 3.7        | 59                    |
| 696 | R38Y_100_062de      | 1.0 0.625 0.375     | 1.0 0.625 0.687                  | 53                  | 1.0 0.612 0.375      | 72.2 34.3 42.5        | 54.7 51.0            | 1.0 0.623 0.419       | 70.6 29.6 40.2                        | 49.9 53.6 5.5        | 52                    |
| 697 | R23Y_100_050de      | 1.0 0.625 0.5       | 1.0 0.5 0.75                     | 44                  | 1.0 0.551 0.5        | 73.3 37.2 32.4        | 49.3 41.0            | 1.0 0.625 0.5         | 71.0 31.0 30.2                        | 43.3 44.3 6.9        | 35                    |
| 698 | R00Y_100_037de      | 1.0 0.625 0.625     | 1.0 0.375 0.812                  | 390                 | 1.0 0.625 0.723      | 78.7 29.3 13.9        | 32.5 25.4            | 1.0 0.719 0.703       | 77.2 24.3 11.8                        | 27.1 25.9 5.6        | 375                   |
| 699 | R18Y_100_037de      | 1.0 0.625 0.75      | 1.0 0.375 0.812                  | 371                 | 1.0 0.625 0.807      | 79.1 30.4 2.2         | 30.5 4.3             | 1.0 0.723 0.797       | 78.0 26.9 0.6                         | 26.9 1.4 3.9         | 360                   |
| 700 | B65R_100_037de      | 1.0 0.625 0.875     | 1.0 0.375 0.812                  | 349                 | 1.0 0.625 0.882      | 79.7 32.0 -7.6        | 32.9 346.6           | 1.0 0.728 0.879       | 78.8 29.4 -8.9                        | 30.8 343.0 3.0       | 347                   |
| 701 | B50R_100_037de      | 1.0 0.625 1.0       | 1.0 0.375 0.812                  | 330                 | 1.0 0.625 0.996      | 81.0 35.3 -21.5       | 41.3 328.6           | 1.0 0.739 1.0         | 80.3 33.1 -22.4                       | 40.0 325.8 2.4       | 330                   |
| 702 | R76Y_100_100de      | 1.0 0.75 0.0        | 1.0 1.0 0.5                      | 76                  | 1.0 0.684 0.0        | 73.5 18.3 77.7        | 79.8 76.7            | 1.0 0.682 0.0         | 73.3 18.4 77.1                        | 79.3 76.5 0.5        | 72                    |
| 703 | R73Y_100_087de      | 1.0 0.75 0.125      | 1.0 0.875 0.562                  | 74                  | 1.0 0.703 0.125      | 75.0 18.6 67.1        | 69.7 74.4            | 1.0 0.7 0.215         | 74.5 17.0 66.9                        | 69.0 75.6 1.6        | 70                    |
| 704 | R69Y_100_075de      | 1.0 0.75 0.25       | 1.0 0.75 0.625                   | 71                  | 1.0 0.719 0.25       | 76.4 19.2 56.3        | 59.5 71.1            | 1.0 0.716 0.341       | 75.6 16.4 55.3                        | 67.7 73.4 3.0        | 68                    |
| 705 | R61Y_100_062de      | 1.0 0.75 0.375      | 1.0 0.625 0.687                  | 67                  | 1.0 0.735 0.375      | 78.0 19.8 46.1        | 50.2 66.6            | 1.0 0.734 0.446       | 76.9 15.9 44.5                        | 47.3 70.2 4.3        | 65                    |
| 706 | R50Y_100_050de      | 1.0 0.75 0.5        | 1.0 0.5 0.75                     | 60                  | 1.0 0.743 0.5        | 79.2 21.3 35.4        | 41.3 58.8            | 1.0 0.745 0.545       | 77.9 16.5 33.4                        | 37.3 63.6 5.3        | 59                    |
| 707 | R31Y_100_037de      | 1.0 0.75 0.625      | 1.0 0.375 0.812                  | 49                  | 1.0 0.733 0.625      | 80.4 23.6 25.0        | 34.4 46.6            | 1.0 0.75 0.625        | 78.5 18.1 24.0                        | 30.0 52.9 5.9        | 46                    |
| 708 | R00Y_100_025de      | 1.0 0.75 0.75       | 1.0 0.25 0.875                   | 390                 | 1.0 0.75 0.815       | 84.2 19.5 9.3         | 21.6 25.4            | 1.0 0.814 0.8         | 83.1 15.5 7.7                         | 17.3 26.4 4.5        | 375                   |
| 709 | R00Y_100_025de      | 1.0 0.75 0.875      | 1.0 0.25 0.875                   | 360                 | 1.0 0.75 0.904       | 84.7 20.9 -2.9        | 21.1 352.0           | 1.0 0.819 0.9         | 84.1 18.6 -3.9                        | 19.0 348.0 2.5       | 352                   |
| 710 | B50R_100_025de      | 1.0 0.75 1.0        | 1.0 0.25 0.875                   | 330                 | 1.0 0.75 0.997       | 85.8 23.5 -14.3       | 27.5 328.6           | 1.0 0.827 1.0         | 85.2 21.7 -15.0                       | 26.4 325.3 1.9       | 330                   |
| 711 | R88Y_100_100de      | 1.0 0.875 0.0       | 1.0 1.0 0.5                      | 83                  | 1.0 0.767 0.0        | 78.3 7.7 80.7         | 81.0 84.5            | 1.0 0.766 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE**F <sub>de</sub> hsi <sub>de</sub> | rgb**M <sub>de</sub> | LabCh**M <sub>de</sub> |               |                  |            |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------------------------|----------------------|------------------------|---------------|------------------|------------|
| 729 | NW_100 <sub>de</sub>       | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 0.0 0.0 0.0         | 1.0 1.0 1.0           | 95.4 0.0 0.0                          | 360                  | 1.0 1.0 1.0            | 95.4 0.0 0.0  | 0.0 0.0 0.0      |            |
| 730 | G50B_100_012 <sub>de</sub> | 0.875 1.0 1.0       | 1.0 0.125 0.937     | 210                 | 0.875 0.986 1.0     | 93.3 -4.2 -3.2        | 5.3 216.9           | 0.924 0.987 1.0       | 93.3 -4.3 -3.2                        | 5.4 216.5            | 0.1 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 731 | G50B_100_025 <sub>de</sub> | 0.75 1.0 1.0        | 1.0 0.25 0.875      | 210                 | 0.75 0.972 1.0      | 91.3 -8.5 -6.4        | 10.7 216.9          | 0.847 0.974 1.0       | 91.2 -8.7 -6.4                        | 10.8 216.1           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 732 | G50B_100_037 <sub>de</sub> | 0.625 1.0 1.0       | 1.0 0.375 0.812     | 210                 | 0.625 0.958 1.0     | 89.2 -12.8 -9.6       | 16.0 216.9          | 0.765 0.961 1.0       | 89.2 -13.1 -9.5                       | 16.2 216.1           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 733 | G50B_100_050 <sub>de</sub> | 0.5 1.0 1.0         | 1.0 0.5 0.75        | 210                 | 0.5 0.945 1.0       | 87.2 -17.1 -12.8      | 21.4 216.9          | 0.676 0.947 1.0       | 87.1 -17.5 -12.7                      | 21.7 216.0           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 734 | G50B_100_062 <sub>de</sub> | 0.375 1.0 1.0       | 1.0 0.625 0.687     | 210                 | 0.375 0.931 1.0     | 85.2 -21.4 -16.1      | 26.8 216.9          | 0.581 0.933 1.0       | 85.1 -21.8 -15.9                      | 27.0 216.1           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 735 | G50B_100_075 <sub>de</sub> | 0.25 1.0 1.0        | 1.0 0.75 0.625      | 210                 | 0.25 0.917 1.0      | 83.1 -25.6 -19.3      | 32.1 216.9          | 0.471 0.919 1.0       | 83.1 -26.0 -19.0                      | 32.2 216.2           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 736 | G50B_100_087 <sub>de</sub> | 0.125 1.0 1.0       | 1.0 0.875 0.562     | 210                 | 0.125 0.903 1.0     | 81.1 -29.9 -22.5      | 37.5 216.9          | 0.322 0.905 1.0       | 81.0 -30.4 -22.2                      | 37.7 216.2           | 0.5 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 737 | G50B_100_100 <sub>de</sub> | 0.0 1.0 1.0         | 1.0 1.0 0.5         | 210                 | 0.0 0.89 1.0        | 79.0 -34.2 -25.7      | 42.8 216.9          | 0.0 0.89 1.0          | 79.0 -34.1 -25.3                      | 42.5 216.6           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 738 | ROOY_100_012 <sub>de</sub> | 1.0 0.875 0.875     | 1.0 0.125 0.937     | 390                 | 1.0 0.875 0.907     | 89.8 9.7 4.6          | 10.8 25.4           | 1.0 0.907 0.899       | 89.2 7.3 3.7                          | 8.3 27.1             | 2.6 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 739 | NW_087 <sub>de</sub>       | 0.875 0.875 0.875   | 0.875 0.0 0.875     | 360                 | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.0 0.0             | 0.858 0.86 0.86       | 83.3 0.0 0.0                          | 0.1 212.6            | 0.1 360                | 1.0 1.0 1.0   | 95.4 0.0 0.0     | 0.0 0.0    |
| 740 | G50B_087_012 <sub>de</sub> | 0.75 0.875 0.875    | 0.875 0.125 0.812   | 210                 | 0.75 0.861 0.875    | 81.4 -4.2 -3.2        | 5.3 216.9           | 0.786 0.847 0.86      | 81.3 -4.4 -3.2                        | 5.5 216.4            | 0.1 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 741 | G50B_087_025 <sub>de</sub> | 0.625 0.875 0.875   | 0.875 0.25 0.75     | 210                 | 0.625 0.847 0.875   | 79.4 -8.5 -6.4        | 10.7 216.9          | 0.707 0.835 0.86      | 79.2 -8.9 -6.5                        | 11.0 216.3           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 742 | G50B_087_037 <sub>de</sub> | 0.5 0.875 0.875     | 0.875 0.375 0.687   | 210                 | 0.5 0.833 0.875     | 77.3 -12.8 -9.6       | 16.0 216.9          | 0.629 0.822 0.861     | 77.2 -13.0 -9.7                       | 16.3 216.6           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 743 | G50B_087_050 <sub>de</sub> | 0.375 0.875 0.875   | 0.875 0.5 0.625     | 210                 | 0.375 0.82 0.875    | 75.3 -17.1 -12.8      | 21.4 216.9          | 0.542 0.809 0.862     | 75.2 -17.3 -12.9                      | 21.6 216.8           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 744 | G50B_087_062 <sub>de</sub> | 0.25 0.875 0.875    | 0.875 0.625 0.562   | 210                 | 0.25 0.806 0.875    | 73.2 -21.4 -16.1      | 26.8 216.9          | 0.44 0.795 0.862      | 73.1 -21.6 -16.2                      | 27.0 216.8           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 745 | G50B_087_075 <sub>de</sub> | 0.125 0.875 0.875   | 0.875 0.75 0.5      | 210                 | 0.125 0.792 0.875   | 71.2 -25.6 -19.3      | 32.1 216.9          | 0.312 0.781 0.863     | 71.1 -25.9 -19.4                      | 32.3 216.8           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 746 | G50B_087_087 <sub>de</sub> | 0.0 0.875 0.875     | 0.875 0.875 0.437   | 210                 | 0.0 0.778 0.875     | 69.1 -29.9 -22.5      | 37.5 216.9          | 0.047 0.767 0.863     | 69.0 -30.1 -22.6                      | 37.7 216.8           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 747 | ROOY_100_025 <sub>de</sub> | 1.0 0.75 0.75       | 1.0 0.25 0.875      | 390                 | 1.0 0.75 0.815      | 84.2 19.5 9.3         | 21.6 25.4           | 1.0 0.814 0.8         | 83.1 15.5 7.7                         | 17.3 26.4            | 4.5 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 748 | ROOY_087_012 <sub>de</sub> | 0.875 0.75 0.75     | 0.875 0.125 0.812   | 390                 | 0.875 0.75 0.882    | 77.9 9.7 4.6          | 10.8 25.4           | 0.886 0.769 0.762     | 77.8 9.7 4.6                          | 10.8 25.3            | 0.1 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 749 | NW_075 <sub>de</sub>       | 0.75 0.75 0.75      | 0.75 0.0 0.75       | 360                 | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.0 0.0             | 0.721 0.724 0.724     | 71.3 -0.1 0.0                         | 0.2 207.8            | 0.2 360                | 1.0 1.0 1.0   | 95.4 0.0 0.0     | 0.0 0.0    |
| 750 | G50B_075_012 <sub>de</sub> | 0.625 0.75 0.75     | 0.75 0.125 0.687    | 210                 | 0.625 0.736 0.75    | 69.5 -4.2 -3.2        | 5.3 216.9           | 0.652 0.712 0.724     | 69.3 -4.4 -3.2                        | 5.5 216.2            | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 751 | G50B_075_025 <sub>de</sub> | 0.5 0.75 0.75       | 0.75 0.25 0.625     | 210                 | 0.5 0.722 0.75      | 67.4 -8.5 -6.4        | 10.7 216.9          | 0.576 0.7 0.725       | 67.2 -8.8 -6.5                        | 11.0 216.3           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 752 | G50B_075_037 <sub>de</sub> | 0.375 0.75 0.75     | 0.75 0.375 0.562    | 210                 | 0.375 0.708 0.75    | 65.4 -12.8 -9.6       | 16.0 216.9          | 0.501 0.687 0.725     | 65.3 -12.8 -9.6                       | 16.0 216.8           | 0.1 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 753 | G50B_075_050 <sub>de</sub> | 0.25 0.75 0.75      | 0.75 0.5 0.5        | 210                 | 0.25 0.695 0.75     | 63.3 -17.1 -12.8      | 21.4 216.9          | 0.408 0.674 0.726     | 63.2 -17.3 -12.9                      | 21.6 216.8           | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 754 | G50B_075_062 <sub>de</sub> | 0.125 0.75 0.75     | 0.75 0.625 0.437    | 210                 | 0.125 0.681 0.75    | 61.3 -21.4 -16.1      | 26.8 216.9          | 0.294 0.661 0.736     | 61.1 -21.7 -16.2                      | 27.1 216.8           | 0.3 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 755 | G50B_075_075 <sub>de</sub> | 0.0 0.75 0.75       | 0.75 0.75 0.375     | 210                 | 0.0 0.667 0.75      | 59.3 -25.6 -19.3      | 32.1 216.9          | 0.104 0.647 0.726     | 59.1 -25.9 -19.4                      | 32.4 216.8           | 0.3 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 756 | ROOY_100_037 <sub>de</sub> | 1.0 0.625 0.625     | 1.0 0.375 0.812     | 390                 | 1.0 0.625 0.723     | 78.7 29.3 13.9        | 32.5 25.4           | 1.0 0.719 0.703       | 77.2 24.3 11.8                        | 27.1 25.9            | 5.6 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 757 | ROOY_087_025 <sub>de</sub> | 0.875 0.625 0.625   | 0.875 0.25 0.75     | 390                 | 0.875 0.625 0.69    | 72.3 19.5 9.3         | 21.6 25.4           | 0.9 0.678 0.666       | 72.1 19.5 9.2                         | 21.6 25.2            | 0.2 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 758 | ROOY_075_012 <sub>de</sub> | 0.75 0.625 0.625    | 0.75 0.125 0.687    | 390                 | 0.75 0.625 0.657    | 65.9 9.7 4.6          | 10.8 25.4           | 0.749 0.637 0.629     | 65.8 9.7 4.6                          | 10.8 25.4            | 0.1 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 759 | NW_062 <sub>de</sub>       | 0.625 0.625 0.625   | 0.625 0.0 0.625     | 360                 | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.0 0.0             | 0.59 0.593 0.594      | 59.4 -0.2 -0.1                        | 0.3 206.3            | 0.3 360                | 1.0 1.0 1.0   | 95.4 0.0 0.0     | 0.0 0.0    |
| 760 | G50B_062_012 <sub>de</sub> | 0.5 0.625 0.625     | 0.625 0.125 0.562   | 210                 | 0.5 0.611 0.625     | 57.5 -4.2 -3.2        | 5.3 216.9           | 0.524 0.583 0.594     | 57.4 -4.4 -3.2                        | 5.5 215.9            | 0.2 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 761 | G50B_062_025 <sub>de</sub> | 0.375 0.625 0.625   | 0.625 0.25 0.5      | 210                 | 0.375 0.597 0.625   | 55.5 -8.5 -6.4        | 10.7 216.9          | 0.449 0.571 0.595     | 55.4 -9.0 -6.4                        | 11.1 215.6           | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 762 | G50B_062_037 <sub>de</sub> | 0.25 0.625 0.625    | 0.625 0.375 0.437   | 210                 | 0.25 0.583 0.625    | 53.5 -12.8 -9.6       | 16.0 216.9          | 0.371 0.559 0.595     | 53.4 -13.2 -9.5                       | 16.3 215.8           | 0.3 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 763 | G50B_062_050 <sub>de</sub> | 0.125 0.625 0.625   | 0.625 0.5 0.375     | 210                 | 0.125 0.57 0.625    | 51.4 -17.1 -12.8      | 21.4 216.9          | 0.271 0.547 0.595     | 51.4 -17.7 -12.7                      | 21.8 215.7           | 0.6 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 764 | G50B_062_062 <sub>de</sub> | 0.0 0.625 0.625     | 0.625 0.625 0.312   | 210                 | 0.0 0.556 0.625     | 49.4 -21.4 -16.1      | 26.8 216.9          | 0.126 0.534 0.596     | 49.4 -21.9 -15.9                      | 27.1 215.9           | 0.5 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 765 | ROOY_100_050 <sub>de</sub> | 1.0 0.5 0.5         | 1.0 0.5 0.75        | 390                 | 1.0 0.5 0.631       | 73.1 39.1 18.6        | 43.3 25.4           | 1.0 0.622 0.61        | 71.4 33.9 16.1                        | 37.6 25.4            | 5.9 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 766 | ROOY_087_037 <sub>de</sub> | 0.875 0.5 0.5       | 0.875 0.375 0.687   | 390                 | 0.875 0.5 0.598     | 66.8 29.3 13.9        | 32.5 25.4           | 0.908 0.586 0.574     | 66.6 29.3 13.8                        | 32.4 25.2            | 0.1 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 767 | ROOY_075_025 <sub>de</sub> | 0.75 0.5 0.5        | 0.75 0.25 0.625     | 390                 | 0.75 0.5 0.565      | 60.4 19.5 9.3         | 21.6 25.4           | 0.76 0.549 0.54       | 60.2 19.3 9.0                         | 21.3 25.1            | 0.4 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 768 | ROOY_062_012 <sub>de</sub> | 0.625 0.5 0.5       | 0.625 0.125 0.562   | 390                 | 0.625 0.5 0.532     | 54.0 9.7 4.6          | 10.8 25.4           | 0.616 0.512 0.506     | 54.1 9.4 4.4                          | 10.4 25.3            | 0.3 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 769 | NW_050 <sub>de</sub>       | 0.5 0.5 0.5         | 0.5 0.0 0.5         | 360                 | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.0 0.0             | 0.466 0.47 0.471      | 47.7 -0.3 -0.1                        | 0.4 205.6            | 0.4 360                | 1.0 1.0 1.0   | 95.4 0.0 0.0     | 0.0 0.0    |
| 770 | G50B_050_012 <sub>de</sub> | 0.375 0.5 0.5       | 0.5 0.125 0.437     | 210                 | 0.375 0.486 0.5     | 45.6 -4.2 -3.2        | 5.3 216.9           | 0.4 0.459 0.471       | 45.7 -4.7 -3.3                        | 5.8 215.5            | 0.4 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 771 | G50B_050_025 <sub>de</sub> | 0.25 0.5 0.5        | 0.5 0.25 0.375      | 210                 | 0.249 0.472 0.5     | 43.6 -8.5 -6.4        | 10.7 216.9          | 0.324 0.448 0.471     | 43.6 -9.3 -6.6                        | 11.5 215.3           | 0.8 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 772 | G50B_050_037 <sub>de</sub> | 0.125 0.5 0.5       | 0.5 0.375 0.312     | 210                 | 0.124 0.458 0.5     | 41.5 -12.8 -9.6       | 16.0 216.9          | 0.243 0.437 0.472     | 41.6 -13.4 -9.7                       | 16.6 215.9           | 0.6 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 773 | G50B_050_050 <sub>de</sub> | 0.0 0.5 0.5         | 0.5 0.5 0.25        | 210                 | 0.0 0.445 0.5       | 39.5 -17.1 -12.8      | 21.4 216.9          | 0.126 0.424 0.472     | 39.6 -17.6 -12.9                      | 21.9 216.1           | 0.5 215                | 0.0 0.89 1.0  | 79.0 -34.2 -25.7 | 42.8 216.9 |
| 774 | ROOY_100_062 <sub>de</sub> | 1.0 0.375 0.375     | 1.0 0.625 0.687     | 390                 | 1.0 0.375 0.539     | 67.6 48.9 23.3        | 54.2 25.4           | 1.0 0.5 0.5           | 64.7 46.4 21.9                        | 51.3 25.2            | 3.9 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 775 | ROOY_087_050 <sub>de</sub> | 0.875 0.375 0.375   | 0.875 0.5 0.625     | 390                 | 0.875 0.375 0.506   | 61.2 39.1 18.6        | 43.3 25.4           | 0.908 0.492 0.486     | 61.2 39.0 18.4                        | 43.1 25.2            | 0.2 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 776 | ROOY_075_037 <sub>de</sub> | 0.75 0.375 0.375    | 0.75 0.375 0.562    | 390                 | 0.75 0.375 0.473    | 54.8 29.3 13.9        | 32.5 25.4           | 0.765 0.459 0.451     | 54.7 29.1 13.6                        | 32.1 25.1            | 0.3 375                | 1.0 0.0 0.263 | 50.9 78.3 37.3   | 86.7 25.4  |
| 777 | ROOY_062_025 <sub>de</sub> | 0.625 0.375 0.375   | 0.625 0.25 0.5      | 390                 | 0.625 0.375 0.44    | 48.5 19.5 9           |                     |                       |                                       |                      |                        |               |                  |            |

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <sub>de</sub> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> |
|-----|----------------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|--------------------------------------|---------------------|-----------------------|
| 810 | NW_100 <sub>de</sub>       | 1.0 1.0 1.0         | 1.0 0.0 1.0         | 1.0 0.0 1.0         | 360                 | 1.0 1.0 1.0           | 95.4 0.0 0.0        | 0.0 0.0 0.0           | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 360                   | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 0.0 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 0.951 1.0     | 90.8 0.2 -7.0         | 7.0 271.7           | 0.918 0.947 1.0       | 90.7 0.0 -6.9                        | 6.9 270.0 0.2       | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 812 | B00R_100_025 <sub>de</sub> | 0.75 0.75 1.0       | 1.0 0.25 0.875      | 270                 | 0.75 0.902 1.0      | 86.3 0.4 -14.1        | 14.1 271.7          | 0.837 0.897 1.0       | 86.2 0.1 -13.8                       | 13.8 270.5 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 813 | B00R_100_037 <sub>de</sub> | 0.625 0.625 1.0     | 1.0 0.375 0.812     | 270                 | 0.625 0.853 1.0     | 81.8 0.6 -21.2        | 21.2 271.7          | 0.752 0.846 1.0       | 81.7 0.3 -20.8                       | 20.8 270.9 0.5      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 814 | B00R_100_050 <sub>de</sub> | 0.5 0.5 1.0         | 1.0 0.5 0.75        | 270                 | 0.5 0.804 1.0       | 77.3 0.8 -28.3        | 28.3 271.7          | 0.66 0.797 1.0        | 77.1 0.3 -27.9                       | 27.9 270.8 0.6      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 815 | B00R_100_062 <sub>de</sub> | 0.375 0.375 1.0     | 1.0 0.625 0.687     | 270                 | 0.375 0.755 1.0     | 72.8 1.0 -35.3        | 35.3 271.7          | 0.564 0.748 1.0       | 72.6 0.7 -34.9                       | 34.9 271.2 0.5      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 816 | B00R_100_075 <sub>de</sub> | 0.25 0.25 1.0       | 1.0 0.75 0.625      | 270                 | 0.25 0.707 1.0      | 68.2 1.2 -42.4        | 42.4 271.7          | 0.45 0.701 1.0        | 68.1 0.9 -42.1                       | 42.1 271.2 0.5      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 817 | B00R_100_087 <sub>de</sub> | 0.125 0.125 1.0     | 1.0 0.875 0.562     | 270                 | 0.125 0.658 1.0     | 63.7 1.5 -49.5        | 49.5 271.7          | 0.304 0.654 1.0       | 63.5 1.1 -49.3                       | 49.4 271.3 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 818 | B00R_100_100 <sub>de</sub> | 0.0 0.0 1.0         | 1.0 1.0 0.5         | 270                 | 0.0 0.609 1.0       | 59.2 1.7 -56.6        | 56.6 271.7          | 0.0 0.609 1.0         | 59.2 2.0 -56.3                       | 56.3 272.1 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 819 | Y00G_100_012 <sub>de</sub> | 1.0 1.0 0.875       | 1.0 0.125 0.937     | 90                  | 1.0 0.982 0.875     | 93.9 -0.4 10.5        | 10.5 92.3           | 1.0 0.98 0.898        | 93.6 -1.7 10.1                       | 10.3 99.7 1.4       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 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   | 83.4 0.0 0.0          | 0.0 0.0             | 0.858 0.86 0.86       | 83.3 0.0 0.0                         | 0.1 212.6 0.1       | 360                   | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 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 0.826 0.875    | 78.9 0.2 -7.0         | 7.0 271.7           | 0.78 0.809 0.862      | 78.8 0.1 -7.2                        | 7.2 270.8 0.2       | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 822 | B00R_087_025 <sub>de</sub> | 0.625 0.625 0.875   | 0.875 0.25 0.75     | 270                 | 0.625 0.777 0.875   | 74.4 0.4 -14.1        | 14.1 271.7          | 0.701 0.76 0.864      | 74.3 0.3 -14.3                       | 14.3 271.2 0.2      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 823 | B00R_087_037 <sub>de</sub> | 0.5 0.5 0.875       | 0.875 0.375 0.687   | 270                 | 0.5 0.728 0.875     | 69.9 0.6 -21.2        | 21.2 271.7          | 0.616 0.711 0.864     | 69.7 0.5 -21.3                       | 21.3 271.3 0.2      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 824 | B00R_087_050 <sub>de</sub> | 0.375 0.375 0.875   | 0.875 0.5 0.625     | 270                 | 0.375 0.679 0.875   | 65.4 0.8 -28.3        | 28.3 271.7          | 0.527 0.664 0.864     | 65.2 0.8 -28.4                       | 28.4 271.6 0.2      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 825 | B00R_087_062 <sub>de</sub> | 0.25 0.25 0.875     | 0.875 0.625 0.562   | 270                 | 0.25 0.63 0.875     | 60.8 1.0 -35.3        | 35.3 271.7          | 0.424 0.617 0.864     | 60.7 1.0 -35.5                       | 35.5 271.6 0.2      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 826 | B00R_087_075 <sub>de</sub> | 0.125 0.125 0.875   | 0.875 0.75 0.5      | 270                 | 0.125 0.582 0.875   | 56.3 1.2 -42.4        | 42.4 271.7          | 0.294 0.573 0.863     | 56.2 0.9 -42.5                       | 42.5 271.2 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 827 | B00R_087_087 <sub>de</sub> | 0.0 0.0 0.875       | 0.875 0.875 0.437   | 270                 | 0.0 0.533 0.875     | 51.8 1.5 -49.5        | 49.5 271.7          | 0.033 0.53 0.862      | 51.8 0.9 -49.4                       | 49.4 271.1 0.5      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 828 | Y00G_100_025 <sub>de</sub> | 1.0 1.0 0.75        | 1.0 0.25 0.875      | 90                  | 1.0 0.964 0.75      | 92.4 -0.8 21.1        | 21.1 92.3           | 1.0 0.961 0.797       | 91.9 -3.1 20.4                       | 20.7 98.7 2.4       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 829 | Y00G_087_012 <sub>de</sub> | 0.875 0.875 0.75    | 0.875 0.125 0.812   | 90                  | 0.875 0.857 0.75    | 82.0 -0.4 10.5        | 10.5 92.3           | 0.873 0.841 0.761     | 81.9 -0.5 10.5                       | 10.5 98.8 0.1       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 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      | 71.5 0.0 0.0          | 0.0 0.0             | 0.721 0.724 0.724     | 71.3 -0.1 0.0                        | 0.2 207.8 0.2       | 360                   | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 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 0.701 0.75    | 67.0 0.2 -7.0         | 7.0 271.7           | 0.646 0.675 0.726     | 66.8 0.0 -7.2                        | 7.2 270.5 0.2       | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 832 | B00R_075_025 <sub>de</sub> | 0.5 0.5 0.75        | 0.75 0.25 0.625     | 270                 | 0.5 0.652 0.75      | 62.5 0.4 -14.1        | 14.1 271.7          | 0.57 0.628 0.728      | 62.3 0.4 -14.3                       | 14.3 271.6 0.2      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 833 | B00R_075_037 <sub>de</sub> | 0.375 0.375 0.75    | 0.75 0.375 0.562    | 270                 | 0.375 0.603 0.75    | 57.9 0.6 -21.2        | 21.2 271.7          | 0.487 0.582 0.728     | 57.9 0.4 -21.2                       | 21.2 271.3 0.1      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 834 | B00R_075_050 <sub>de</sub> | 0.25 0.25 0.75      | 0.75 0.5 0.5        | 270                 | 0.25 0.554 0.75     | 53.4 0.8 -28.3        | 28.3 271.7          | 0.394 0.538 0.728     | 53.4 0.4 -28.1                       | 28.1 270.8 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 835 | B00R_075_062 <sub>de</sub> | 0.125 0.125 0.75    | 0.75 0.625 0.437    | 270                 | 0.125 0.505 0.75    | 48.9 1.0 -35.3        | 35.3 271.7          | 0.282 0.494 0.727     | 48.9 0.4 -35.1                       | 35.1 270.7 0.6      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 836 | B00R_075_075 <sub>de</sub> | 0.0 0.0 0.75        | 0.75 0.75 0.375     | 270                 | 0.0 0.457 0.75      | 44.4 1.2 -42.4        | 42.4 271.7          | 0.08 0.451 0.726      | 44.4 0.3 -42.3                       | 42.3 270.5 0.9      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 837 | Y00G_100_037 <sub>de</sub> | 1.0 1.0 0.625       | 1.0 0.375 0.812     | 90                  | 1.0 0.946 0.625     | 91.0 -1.2 31.6        | 31.7 92.3           | 1.0 0.943 0.696       | 90.4 -4.1 30.9                       | 31.2 97.6 3.0       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 838 | Y00G_087_025 <sub>de</sub> | 0.875 0.875 0.625   | 0.875 0.25 0.75     | 90                  | 0.875 0.839 0.625   | 80.5 -0.8 21.1        | 21.1 92.3           | 0.881 0.823 0.663     | 80.4 -1.0 21.2                       | 21.2 92.8 0.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 839 | Y00G_075_012 <sub>de</sub> | 0.75 0.75 0.625     | 0.75 0.125 0.687    | 90                  | 0.75 0.732 0.625    | 70.0 -0.4 10.5        | 10.5 92.3           | 0.736 0.706 0.629     | 69.9 -0.5 10.5                       | 10.5 93.0 0.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 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   | 59.6 0.0 0.0          | 0.0 0.0             | 0.59 0.593 0.594      | 59.4 -0.2 -0.1                       | 0.3 206.3 0.3       | 360                   | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 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 0.576 0.625     | 55.1 0.2 -7.0         | 7.0 271.7           | 0.52 0.548 0.595      | 55.0 0.0 -7.0                        | 7.0 269.2 0.3       | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 842 | B00R_062_025 <sub>de</sub> | 0.375 0.375 0.625   | 0.625 0.25 0.5      | 270                 | 0.375 0.527 0.625   | 50.5 0.4 -14.1        | 14.1 271.7          | 0.445 0.504 0.597     | 50.6 0.0 -14.0                       | 14.0 270.1 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 843 | B00R_062_037 <sub>de</sub> | 0.25 0.25 0.625     | 0.625 0.375 0.437   | 270                 | 0.25 0.478 0.625    | 46.0 0.6 -21.2        | 21.2 271.7          | 0.359 0.459 0.597     | 46.0 0.0 -21.0                       | 21.0 270.0 0.6      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 844 | B00R_062_050 <sub>de</sub> | 0.125 0.125 0.625   | 0.625 0.5 0.375     | 270                 | 0.125 0.429 0.625   | 41.5 0.8 -28.3        | 28.3 271.7          | 0.261 0.416 0.597     | 41.5 0.2 -28.1                       | 28.1 270.4 0.6      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 845 | B00R_062_062 <sub>de</sub> | 0.0 0.0 0.625       | 0.625 0.625 0.312   | 270                 | 0.0 0.38 0.625      | 37.0 1.0 -35.3        | 35.3 271.7          | 0.123 0.374 0.596     | 37.0 0.7 -35.2                       | 35.2 271.1 0.4      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 846 | Y00G_100_050 <sub>de</sub> | 1.0 1.0 0.5         | 1.0 0.5 0.75        | 90                  | 1.0 0.928 0.5       | 89.5 -1.7 42.2        | 42.2 92.3           | 1.0 0.925 0.594       | 88.9 -4.7 41.4                       | 41.7 96.5 3.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 847 | Y00G_087_037 <sub>de</sub> | 0.875 0.875 0.5     | 0.875 0.375 0.687   | 90                  | 0.875 0.821 0.5     | 79.1 -1.2 31.6        | 31.7 92.3           | 0.885 0.804 0.566     | 78.9 -1.4 31.5                       | 31.6 92.5 0.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 848 | Y00G_075_025 <sub>de</sub> | 0.75 0.75 0.5       | 0.75 0.25 0.625     | 90                  | 0.75 0.714 0.5      | 68.6 -0.8 21.1        | 21.1 92.3           | 0.744 0.688 0.536     | 68.4 -0.8 20.8                       | 20.8 92.4 0.3       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 849 | Y00G_062_012 <sub>de</sub> | 0.625 0.625 0.5     | 0.625 0.125 0.562   | 90                  | 0.625 0.607 0.5     | 58.1 -0.4 10.5        | 10.5 92.3           | 0.604 0.577 0.505     | 58.0 -0.5 10.1                       | 10.2 93.3 0.4       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 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         | 47.7 0.0 0.0          | 0.0 0.0             | 0.466 0.47 0.471      | 47.7 -0.3 -0.1                       | 0.4 205.6 0.4       | 360                   | 1.0 1.0 1.0                          | 95.4 0.0 0.0        | 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 0.451 0.5     | 43.1 0.2 -7.0         | 7.0 271.7           | 0.396 0.426 0.472     | 43.2 -0.2 -7.2                       | 7.2 268.4 0.4       | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 852 | B00R_050_025 <sub>de</sub> | 0.25 0.25 0.5       | 0.5 0.25 0.375      | 270                 | 0.249 0.402 0.5     | 38.6 0.4 -14.1        | 14.1 271.7          | 0.32 0.382 0.473      | 38.6 0.0 -14.4                       | 14.4 269.8 0.5      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 853 | B00R_050_037 <sub>de</sub> | 0.125 0.125 0.5     | 0.5 0.375 0.312     | 270                 | 0.124 0.353 0.5     | 34.1 0.6 -21.2        | 21.2 271.7          | 0.232 0.34 0.473      | 34.1 0.0 -21.5                       | 21.5 270.2 0.6      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 854 | B00R_050_050 <sub>de</sub> | 0.0 0.0 0.5         | 0.5 0.5 0.25        | 270                 | 0.0 0.304 0.5       | 29.6 0.8 -28.3        | 28.3 271.7          | 0.112 0.3 0.473       | 29.6 0.1 -28.5                       | 28.5 270.3 0.7      | 232                   | 0.0 0.609 1.0                        | 59.2 1.7 -56.6      | 56.6 271.7            |
| 855 | Y00G_100_062 <sub>de</sub> | 1.0 1.0 0.375       | 1.0 0.625 0.687     | 90                  | 1.0 0.91 0.375      | 88.1 -2.1 52.8        | 52.8 92.3           | 1.0 0.907 0.492       | 87.4 -4.9 51.7                       | 52.0 95.4 3.0       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 856 | Y00G_087_050 <sub>de</sub> | 0.875 0.875 0.375   | 0.875 0.5 0.625     | 90                  | 0.875 0.803 0.375   | 77.6 -1.7 42.2        | 42.2 92.3           | 0.885 0.787 0.467     | 77.5 -1.7 42.0                       | 42.0 92.3 0.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 857 | Y00G_075_037 <sub>de</sub> | 0.75 0.75 0.375     | 0.75 0.375 0.562    | 90                  | 0.75 0.696 0.375    | 67.1 -1.2 31.6        | 31.7 92.3           | 0.746 0.671 0.441     | 67.0 -1.3 31.4                       | 31.4 92.5 0.2       | 82                    | 1.0 0.856 0.0                        | 83.7 -3.4           | 84.5 84.5 92.3        |
| 858 | Y00G_062_025 <sub>de</sub> | 0.625 0.625 0.375   | 0.625 0.25 0.5      |                     |                     |                       |                     |                       |                                      |                     |                       |                                      |                     |                       |

http://130.149.60.45/~farbmetrik/SI12/SI12L0FP.PDF /.PS; 3D-linearizzazzazione  
F: 3D-linearizzazzazione SI12/SI12LI30FP.DAT nel file (F), pagina 27/29

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsi <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         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 0.0 0.0 0.0         | 1.0 1.0 1.0           | 95.4 0.0 0.0                         | 1.0 360             | 1.0 0.0 0.0           |
| 892 | B50R_100_012 <sub>de</sub> | 1.0 0.875 1.0       | 1.0 0.125 0.937     | 330 1.0             | 1.0 0.875 0.998     | 90.6 11.7 -7.1        | 13.7 328.6          | 1.0 0.914 1.0         | 90.3 10.6 -7.4                       | 13.0 324.9 1.1      | 330 1.0 0.0 0.991     |
| 893 | B50R_100_025 <sub>de</sub> | 1.0 0.75 1.0        | 1.0 0.25 0.875      | 330 1.0             | 1.0 0.75 0.997      | 85.8 23.5 -14.3       | 27.5 328.6          | 1.0 0.827 1.0         | 85.2 21.7 -15.0                      | 26.4 325.3 1.9      | 330 1.0 0.0 0.991     |
| 894 | B50R_100_037 <sub>de</sub> | 1.0 0.625 1.0       | 1.0 0.375 0.812     | 330 1.0             | 1.0 0.625 0.996     | 81.0 35.3 -21.5       | 41.3 328.6          | 1.0 0.739 1.0         | 80.3 33.1 -22.4                      | 40.0 325.8 2.4      | 330 1.0 0.0 0.991     |
| 895 | B50R_100_050 <sub>de</sub> | 1.0 0.5 1.0         | 1.0 0.5 0.75        | 330 1.0             | 1.0 0.5 0.995       | 76.3 47.0 -28.7       | 55.1 328.6          | 1.0 0.645 1.0         | 75.4 45.0 -29.9                      | 54.1 326.3 2.5      | 330 1.0 0.0 0.991     |
| 896 | B50R_100_062 <sub>de</sub> | 1.0 0.375 1.0       | 1.0 0.625 0.687     | 330 1.0             | 1.0 0.375 0.994     | 71.5 58.8 -35.9       | 68.9 328.6          | 1.0 0.547 0.999       | 70.6 57.1 -37.2                      | 68.2 326.8 2.3      | 330 1.0 0.0 0.991     |
| 897 | B50R_100_075 <sub>de</sub> | 1.0 0.25 1.0        | 1.0 0.75 0.625      | 330 1.0             | 1.0 0.25 0.993      | 66.7 70.6 -43.0       | 82.7 328.6          | 1.0 0.436 0.997       | 65.9 69.4 -44.2                      | 82.4 327.4 1.8      | 330 1.0 0.0 0.991     |
| 898 | B50R_100_087 <sub>de</sub> | 1.0 0.125 1.0       | 1.0 0.875 0.562     | 330 1.0             | 1.0 0.125 0.992     | 61.9 82.3 -50.2       | 96.5 328.6          | 1.0 0.296 0.994       | 61.3 82.1 -51.2                      | 96.7 328.0 1.1      | 330 1.0 0.0 0.991     |
| 899 | B50R_100_100 <sub>de</sub> | 1.0 0.0 1.0         | 1.0 1.0 0.5         | 330 1.0             | 1.0 0.0 0.991       | 57.1 94.1 -57.4       | 110.3 328.6         | 1.0 0.0 0.991         | 57.1 94.0 -57.4                      | 110.2 328.5 0.0     | 330 1.0 0.0 0.991     |
| 900 | GO0B_100_012 <sub>de</sub> | 0.875 1.0 0.875     | 1.0 0.125 0.937     | 150 0.875           | 1.0 0.875 0.963     | 94.1 -8.0 2.5         | 8.4 162.2           | 0.922 1.0 0.963       | 93.8 -7.7 2.1                        | 8.4 164.2 0.5       | 193 0.0 1.0 0.706     |
| 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 0.875   | 83.4 0.0 0.0          | 0.0 0.0             | 0.858 0.86 0.86       | 83.3 0.0 0.0                         | 0.1 212.6 0.1       | 360 1.0 1.0 1.0       |
| 902 | B50R_087_012 <sub>de</sub> | 0.875 0.75 0.875    | 0.875 0.125 0.812   | 330 0.875           | 0.75 0.875 0.873    | 78.7 11.7 -7.1        | 13.7 328.6          | 0.872 0.777 0.861     | 78.5 11.7 -7.2                       | 13.8 328.2 0.1      | 330 1.0 0.0 0.991     |
| 903 | B50R_087_025 <sub>de</sub> | 0.875 0.625 0.875   | 0.875 0.25 0.75     | 330 0.875           | 0.625 0.875 0.872   | 73.9 23.5 -14.3       | 27.5 328.6          | 0.88 0.692 0.861      | 73.7 23.6 -14.5                      | 27.7 328.3 0.2      | 330 1.0 0.0 0.991     |
| 904 | B50R_087_037 <sub>de</sub> | 0.875 0.5 0.875     | 0.875 0.375 0.687   | 330 0.875           | 0.5 0.875 0.871     | 69.1 35.3 -21.5       | 41.3 328.6          | 0.884 0.604 0.861     | 69.0 35.4 -21.6                      | 41.5 328.5 0.2      | 330 1.0 0.0 0.991     |
| 905 | B50R_087_050 <sub>de</sub> | 0.875 0.375 0.875   | 0.875 0.5 0.625     | 330 0.875           | 0.375 0.875 0.871   | 64.3 47.0 -28.7       | 55.1 328.6          | 0.884 0.515 0.86      | 64.3 46.8 -28.6                      | 54.9 328.5 0.2      | 330 1.0 0.0 0.991     |
| 906 | B50R_087_062 <sub>de</sub> | 0.875 0.25 0.875    | 0.875 0.625 0.562   | 330 0.875           | 0.25 0.875 0.859    | 59.5 58.8 -35.9       | 68.9 328.6          | 0.879 0.411 0.859     | 59.5 58.8 -35.9                      | 68.9 328.5 0.1      | 330 1.0 0.0 0.991     |
| 907 | B50R_087_075 <sub>de</sub> | 0.875 0.125 0.875   | 0.875 0.75 0.5      | 330 0.875           | 0.125 0.868 54.8    | 70.6 -43.0            | 82.7 328.6          | 0.872 0.287 0.856     | 54.6 70.8 -43.3                      | 83.0 328.5 0.3      | 330 1.0 0.0 0.991     |
| 908 | B50R_087_087 <sub>de</sub> | 0.875 0.0 0.875     | 0.875 0.875 0.437   | 330 0.875           | 0.0 0.875 0.867     | 50.0 82.3 -50.2       | 96.5 328.6          | 0.861 0.068 0.853     | 49.8 82.7 -50.5                      | 96.9 328.5 0.4      | 330 1.0 0.0 0.991     |
| 909 | GO0B_100_025 <sub>de</sub> | 0.75 1.0 0.75       | 1.0 0.25 0.875      | 150 0.75            | 1.0 0.926 92.8      | -16.1 5.1             | 16.9 162.2          | 0.844 1.0 0.926       | 92.2 -15.5 4.5                       | 16.2 163.7 0.9      | 193 0.0 1.0 0.706     |
| 910 | GO0B_087_012 <sub>de</sub> | 0.75 0.875 0.75     | 0.875 0.125 0.812   | 150 0.75            | 0.875 0.838 82.2    | -8.0 2.5              | 8.4 162.2           | 0.784 0.863 0.824     | 82.1 -8.2 2.5                        | 8.6 162.7 0.2       | 193 0.0 1.0 0.706     |
| 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 71.5      | 0.0 0.0 0.0           | 0.0                 | 0.721 0.724 0.724     | 71.3 -0.1 0.0                        | 0.2 207.8 0.2       | 360 1.0 1.0 1.0       |
| 912 | B50R_075_012 <sub>de</sub> | 0.75 0.625 0.75     | 0.75 0.125 0.687    | 330 0.75            | 0.625 0.748 66.7    | 11.7 -7.1             | 13.7 328.6          | 0.734 0.644 0.725     | 66.5 11.6 -7.3                       | 13.7 328.0 0.2      | 330 1.0 0.0 0.991     |
| 913 | B50R_075_025 <sub>de</sub> | 0.75 0.5 0.75       | 0.75 0.25 0.625     | 330 0.75            | 0.5 0.747 62.0      | 23.5 -14.3            | 27.5 328.6          | 0.741 0.562 0.728     | 61.8 23.3 -14.4                      | 27.4 328.2 0.2      | 330 1.0 0.0 0.991     |
| 914 | B50R_075_037 <sub>de</sub> | 0.75 0.375 0.75     | 0.75 0.375 0.562    | 330 0.75            | 0.375 0.746 57.2    | 35.3 -21.5            | 41.3 328.6          | 0.744 0.478 0.725     | 57.1 34.9 -21.4                      | 41.0 328.4 0.3      | 330 1.0 0.0 0.991     |
| 915 | B50R_075_050 <sub>de</sub> | 0.75 0.25 0.75      | 0.75 0.5 0.5        | 330 0.75            | 0.25 0.745 52.4     | 47.0 -28.7            | 55.1 328.6          | 0.743 0.385 0.724     | 52.4 46.7 -28.6                      | 54.8 328.4 0.3      | 330 1.0 0.0 0.991     |
| 916 | B50R_075_062 <sub>de</sub> | 0.75 0.125 0.75     | 0.75 0.625 0.437    | 330 0.75            | 0.125 0.744 47.6    | 47.8 -35.9            | 68.9 328.6          | 0.736 0.274 0.727     | 47.4 58.8 -36.0                      | 69.0 328.5 0.2      | 330 1.0 0.0 0.991     |
| 917 | B50R_075_075 <sub>de</sub> | 0.75 0.0 0.75       | 0.75 0.75 0.375     | 330 0.75            | 0.0 0.743 42.8      | 70.6 -43.0            | 82.7 328.6          | 0.727 0.108 0.719     | 42.6 70.7 -43.3                      | 82.9 328.5 0.3      | 330 1.0 0.0 0.991     |
| 918 | GO0B_100_037 <sub>de</sub> | 0.625 1.0 0.625     | 1.0 0.375 0.812     | 150 0.625           | 1.0 0.889 91.5      | -24.2 7.7             | 25.4 162.2          | 0.764 1.0 0.874       | 90.9 -24.0 8.8                       | 25.6 159.8 1.2      | 193 0.0 1.0 0.706     |
| 919 | GO0B_087_025 <sub>de</sub> | 0.625 0.875 0.625   | 0.875 0.25 0.75     | 150 0.625           | 0.875 0.801 80.9    | -16.1 5.1             | 16.9 162.2          | 0.706 0.865 0.788     | 80.7 -16.4 5.0                       | 17.1 162.8 0.3      | 193 0.0 1.0 0.706     |
| 920 | GO0B_075_012 <sub>de</sub> | 0.625 0.75 0.625    | 0.75 0.125 0.687    | 150 0.625           | 0.75 0.713 70.2     | -8.0 2.5              | 8.4 162.2           | 0.65 0.728 0.689      | 70.1 -8.3 2.5                        | 8.7 162.8 0.3       | 193 0.0 1.0 0.706     |
| 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 59.6    | 0.0 0.0 0.0           | 0.0                 | 0.59 0.593 0.594      | 59.4 -0.2 -0.1                       | 0.3 206.3 0.3       | 360 1.0 1.0 1.0       |
| 922 | B50R_062_012 <sub>de</sub> | 0.625 0.5 0.625     | 0.625 0.125 0.562   | 330 0.625           | 0.5 0.623 54.8      | 11.7 -7.1             | 13.7 328.6          | 0.602 0.518 0.595     | 54.8 11.2 -7.1                       | 13.3 327.7 0.5      | 330 1.0 0.0 0.991     |
| 923 | B50R_062_025 <sub>de</sub> | 0.625 0.375 0.625   | 0.625 0.25 0.5      | 330 0.625           | 0.375 0.622 50.0    | 23.5 -14.3            | 27.5 328.6          | 0.608 0.438 0.595     | 49.9 23.1 -14.4                      | 27.2 328.0 0.4      | 330 1.0 0.0 0.991     |
| 924 | B50R_062_037 <sub>de</sub> | 0.625 0.25 0.625    | 0.625 0.375 0.437   | 330 0.625           | 0.25 0.621 45.2     | 35.3 -21.5            | 41.3 328.6          | 0.609 0.351 0.595     | 45.1 35.1 -21.7                      | 41.2 328.2 0.2      | 330 1.0 0.0 0.991     |
| 925 | B50R_062_050 <sub>de</sub> | 0.625 0.125 0.625   | 0.625 0.5 0.375     | 330 0.625           | 0.125 0.62 40.5     | 47.0 -28.7            | 55.1 328.6          | 0.605 0.256 0.593     | 40.4 46.8 -28.8                      | 55.0 328.3 0.2      | 330 1.0 0.0 0.991     |
| 926 | B50R_062_062 <sub>de</sub> | 0.625 0.0 0.625     | 0.625 0.625 0.312   | 330 0.625           | 0.0 0.619 35.7      | 58.8 -35.9            | 68.9 328.6          | 0.597 0.124 0.591     | 35.6 58.6 -36.0                      | 68.8 328.4 0.2      | 330 1.0 0.0 0.991     |
| 927 | GO0B_100_050 <sub>de</sub> | 0.5 1.0 0.5         | 1.0 0.5 0.75        | 150 0.5             | 1.0 0.853 90.2      | -32.3 10.3            | 33.9 162.2          | 0.673 1.0 0.853       | 89.6 -31.6 9.5                       | 33.0 163.2 1.2      | 193 0.0 1.0 0.706     |
| 928 | GO0B_087_037 <sub>de</sub> | 0.5 0.875 0.5       | 0.875 0.375 0.687   | 150 0.5             | 0.875 0.764 79.6    | -24.2 7.7             | 25.4 162.2          | 0.627 0.867 0.752     | 79.5 -24.3 7.7                       | 25.6 162.2 0.1      | 193 0.0 1.0 0.706     |
| 929 | GO0B_075_025 <sub>de</sub> | 0.5 0.75 0.5        | 0.75 0.25 0.625     | 150 0.5             | 0.75 0.676 68.9     | -16.1 5.1             | 16.9 162.2          | 0.575 0.729 0.655     | 68.8 -16.3 5.0                       | 17.1 162.7 0.2      | 193 0.0 1.0 0.706     |
| 930 | GO0B_062_012 <sub>de</sub> | 0.5 0.625 0.5       | 0.625 0.125 0.562   | 150 0.5             | 0.625 0.588 58.3    | -8.0 2.5              | 8.4 162.2           | 0.523 0.597 0.561     | 58.2 -8.1 2.4                        | 8.5 163.5 0.2       | 193 0.0 1.0 0.706     |
| 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 47.7        | 0.0 0.0 0.0           | 0.0                 | 0.466 0.47 0.471      | 47.7 -0.3 -0.1                       | 0.4 205.6 0.4       | 360 1.0 1.0 1.0       |
| 932 | B50R_050_012 <sub>de</sub> | 0.5 0.375 0.5       | 0.5 0.125 0.437     | 330 0.5             | 0.375 0.498 42.9    | 11.7 -7.1             | 13.7 328.6          | 0.478 0.396 0.472     | 42.9 11.5 -7.3                       | 13.7 327.3 0.2      | 330 1.0 0.0 0.991     |
| 933 | B50R_050_025 <sub>de</sub> | 0.5 0.25 0.5        | 0.5 0.25 0.375      | 330 0.5             | 0.249 0.497 38.1    | 23.5 -14.3            | 27.5 328.6          | 0.482 0.316 0.472     | 38.0 23.6 -14.8                      | 27.9 327.9 0.4      | 330 1.0 0.0 0.991     |
| 934 | B50R_050_037 <sub>de</sub> | 0.5 0.125 0.5       | 0.5 0.375 0.312     | 330 0.5             | 0.124 0.496 33.3    | 35.3 -21.5            | 41.3 328.6          | 0.481 0.229 0.471     | 33.2 35.6 -22.0                      | 41.9 328.2 0.6      | 330 1.0 0.0 0.991     |
| 935 | B50R_050_050 <sub>de</sub> | 0.5 0.0 0.5         | 0.5 0.5 0.25        | 330 0.5             | 0.0 0.495 28.5      | 47.0 -28.7            | 55.1 328.6          | 0.475 0.121 0.469     | 28.5 47.2 -29.1                      | 55.4 328.3 0.4      | 330 1.0 0.0 0.991     |
| 936 | GO0B_100_062 <sub>de</sub> | 0.375 1.0 0.375     | 1.0 0.625 0.687     | 150 0.375           | 1.0 0.816 88.9      | -40.4 12.9            | 42.4 162.2          | 0.576 1.0 0.816       | 88.4 -39.8 12.1                      | 41.6 162.9 1.1      | 193 0.0 1.0 0.706     |
| 937 | GO0B_087_050 <sub>de</sub> | 0.375 0.875 0.375   | 0.875 0.5 0.625     | 150 0.375           | 0.875 0.728 78.3    | -32.3 10.3            | 33.9 162.2          | 0.539 0.867 0.716     | 78.2 -32.5 10.4                      | 34.1 162.1 0.2      | 193 0.0 1.0 0.706     |
| 938 | GO0B_075_037 <sub>de</sub> | 0.375 0.75 0.375    | 0.75 0.375 0.562    | 150 0.375           | 0.75 0.639 67.7     | -24.2 7.7             | 25.4 162.2          | 0.499 0.731 0.62      | 67.6 -24.1 7.8                       | 25.4 161.9 0.1      | 193 0.0 1.0 0.706     |
| 939 | GO0B_062_025 <sub>de</sub> | 0.375 0.625 0.375   | 0.625 0.25 0.5      | 150 0.375           | 0.625 0.551 57.0    | -16.1 5.1             | 16.9 162.2          | 0.449 0.599 0.529     | 56.9 -16.2 4.8                       | 16.9 163.4 0.3      | 193 0.0 1.0 0.706     |
| 940 | GO0B_050_012 <sub>de</sub> | 0.375 0.5 0.375     | 0.5 0.125 0.437     | 150 0.375           | 0.5 0.463 46.4      | -8.0 2.5              | 8.4 162.2           | 0.399 0.474 0.438     | 46.4 -8.5 2.4                        | 8.9 163.9 0.5       | 193 0.0 1.0 0.706     |
| 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 35.7    | 0.0 0.0 0.0           | 0.0                 | 0.345 0.35 0.35       | 35.7 -0.4 -0.2                       | 0.5 205.6 0.5       | 360 1.0 1.0 1.0       |
| 942 | B50R_037_012 <sub>de</sub> | 0.375 0.25 0.375    | 0.375 0.125 0.312   | 330 0.375           | 0.249 0.373 31.0    | 11.7 -7.1             | 13.7 328.6          | 0.355 0.279 0.351     | 30.9 11.5 -7.4                       | 13.7 326.9 0.4      | 330 1.0 0.0 0.991     |
| 943 | B50R_037_025 <sub>de</sub> | 0.375 0.125 0.375   | 0.375 0.25 0.25     | 330 0.375           | 0.124 0.372 26.2    | 23.5 -14.3            | 27.5 328.6          | 0.357 0.199 0.351     | 25.9 23.9 -15.0                      | 28.2 327.7 0.8      | 330 1.0 0.0 0.991     |
| 944 | B50R_037_037 <sub>de</sub> | 0.375 0.0 0.375     | 0.375 0.375 0.187   | 330 0.375           | 0.0 0.371 21.4      | 35.3 -21.5            | 41.3 328.6          | 0.355 0.106 0.35      | 21.1 35.8 -22.2                      | 42.2 328.2 0.9      | 330 1.0 0.0 0.991     |
| 945 | GO0B_100_075 <sub>de</sub> | 0.25 1.0 0.25       | 1.0 0.75 0.625      | 150 0.25            | 1.0 0.779 87.7      | -48.5 15.5            | 50.9 162.2          | 0.467 1.0 0.78        | 87.2 -48.0 14.9                      | 50.2 162.6 0.8      | 193 0.0 1.0 0.706     |
| 946 | GO0B_087_062 <sub>de</sub> | 0.25 0.875 0.25     | 0.875 0.625 0.562   | 150 0.25            | 0.875 0.691 77.0    | -40.4 12.9            | 42.4 162.2          | 0.436 0.866 0.681     | 76.9 -40.7 13.0                      | 42.7 162.2 0.3      | 193 0.0 1.0 0.706     |
| 947 | GO0B_075_050               |                     |                     |                     |                     |                       |                     |                       |                                      |                     |                       |

| 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> | rgb*F <sub>de</sub> | LabCh*F <sub>de</sub> | DE*F <sub>de</sub> hsiM <sub>de</sub> | rgb*M <sub>de</sub> | LabCh*M <sub>de</sub> |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|-----------------------|---------------------------------------|---------------------|-----------------------|
| 972  | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 973  | NW_012de            | 0.125 0.125 0.125   | 0.125 0.125 0.125   | 0.125 360           | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.129 0.132 0.132   | 11.9 -0.2 0.0 0.2     | 198.6 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 974  | NW_025de            | 0.25 0.25 0.25      | 0.25 0.25 0.25      | 0.25 360            | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.232 0.236 0.237   | 23.7 -0.4 -0.2 0.4    | 207.2 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 975  | NW_037de            | 0.375 0.375 0.375   | 0.375 0.375 0.375   | 0.375 360           | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.345 0.35 0.35     | 35.7 -0.4 -0.2 0.5    | 205.6 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 976  | NW_050de            | 0.5 0.5 0.5         | 0.5 0.5 0.5         | 0.5 360             | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.466 0.47 0.471    | 47.7 -0.3 -0.1 0.4    | 205.6 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 977  | NW_062de            | 0.625 0.625 0.625   | 0.625 0.625 0.625   | 0.625 360           | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.59 0.593 0.594    | 59.4 -0.2 -0.1 0.3    | 206.3 0.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 978  | NW_075de            | 0.75 0.75 0.75      | 0.75 0.75 0.75      | 0.75 360            | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.721 0.724 0.724   | 71.3 -0.1 0.0 0.2     | 207.8 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 979  | NW_087de            | 0.875 0.875 0.875   | 0.875 0.875 0.875   | 0.875 360           | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.858 0.86 0.86     | 83.3 0.0 0.0 0.1      | 212.6 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 980  | NW_100de            | 1.0 1.0 1.0         | 1.0 1.0 1.0         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 1.0 1.0 1.0         | 95.4 0.0 0.0 0.0      | 325.2 0.0 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 981  | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 982  | NW_012de            | 0.125 0.125 0.125   | 0.125 0.125 0.125   | 0.125 360           | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.129 0.132 0.132   | 11.9 -0.2 0.0 0.2     | 198.6 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 983  | NW_025de            | 0.25 0.25 0.25      | 0.25 0.25 0.25      | 0.25 360            | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.232 0.236 0.237   | 23.7 -0.4 -0.2 0.4    | 207.2 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 984  | NW_037de            | 0.375 0.375 0.375   | 0.375 0.375 0.375   | 0.375 360           | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.345 0.35 0.35     | 35.7 -0.4 -0.2 0.5    | 205.6 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 985  | NW_050de            | 0.5 0.5 0.5         | 0.5 0.5 0.5         | 0.5 360             | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.466 0.47 0.471    | 47.7 -0.3 -0.1 0.4    | 205.6 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 986  | NW_062de            | 0.625 0.625 0.625   | 0.625 0.625 0.625   | 0.625 360           | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.59 0.593 0.594    | 59.4 -0.2 -0.1 0.3    | 206.3 0.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 987  | NW_075de            | 0.75 0.75 0.75      | 0.75 0.75 0.75      | 0.75 360            | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.721 0.724 0.724   | 71.3 -0.1 0.0 0.2     | 207.8 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 988  | NW_087de            | 0.875 0.875 0.875   | 0.875 0.875 0.875   | 0.875 360           | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.858 0.86 0.86     | 83.3 0.0 0.0 0.1      | 212.6 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 989  | NW_100de            | 1.0 1.0 1.0         | 1.0 1.0 1.0         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 1.0 1.0 1.0         | 95.4 0.0 0.0 0.0      | 325.2 0.0 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 990  | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 991  | NW_012de            | 0.125 0.125 0.125   | 0.125 0.125 0.125   | 0.125 360           | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.129 0.132 0.132   | 11.9 -0.2 0.0 0.2     | 198.6 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 992  | NW_025de            | 0.25 0.25 0.25      | 0.25 0.25 0.25      | 0.25 360            | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.232 0.236 0.237   | 23.7 -0.4 -0.2 0.4    | 207.2 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 993  | NW_037de            | 0.375 0.375 0.375   | 0.375 0.375 0.375   | 0.375 360           | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.345 0.35 0.35     | 35.7 -0.4 -0.2 0.5    | 205.6 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 994  | NW_050de            | 0.5 0.5 0.5         | 0.5 0.5 0.5         | 0.5 360             | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.466 0.47 0.471    | 47.7 -0.3 -0.1 0.4    | 205.6 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 995  | NW_062de            | 0.625 0.625 0.625   | 0.625 0.625 0.625   | 0.625 360           | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.59 0.593 0.594    | 59.4 -0.2 -0.1 0.3    | 206.3 0.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 996  | NW_075de            | 0.75 0.75 0.75      | 0.75 0.75 0.75      | 0.75 360            | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.721 0.724 0.724   | 71.3 -0.1 0.0 0.2     | 207.8 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 997  | NW_087de            | 0.875 0.875 0.875   | 0.875 0.875 0.875   | 0.875 360           | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.858 0.86 0.86     | 83.3 0.0 0.0 0.1      | 212.6 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 998  | NW_100de            | 1.0 1.0 1.0         | 1.0 1.0 1.0         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 1.0 1.0 1.0         | 95.4 0.0 0.0 0.0      | 325.2 0.0 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 999  | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1000 | NW_012de            | 0.125 0.125 0.125   | 0.125 0.125 0.125   | 0.125 360           | 0.125 0.125 0.125   | 11.9 0.0 0.0          | 0.129 0.132 0.132   | 11.9 -0.2 0.0 0.2     | 198.6 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1001 | NW_025de            | 0.25 0.25 0.25      | 0.25 0.25 0.25      | 0.25 360            | 0.25 0.25 0.25      | 23.8 0.0 0.0          | 0.232 0.236 0.237   | 23.7 -0.4 -0.2 0.4    | 207.2 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1002 | NW_037de            | 0.375 0.375 0.375   | 0.375 0.375 0.375   | 0.375 360           | 0.375 0.375 0.375   | 35.7 0.0 0.0          | 0.345 0.35 0.35     | 35.7 -0.4 -0.2 0.5    | 205.6 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1003 | NW_050de            | 0.5 0.5 0.5         | 0.5 0.5 0.5         | 0.5 360             | 0.5 0.5 0.5         | 47.7 0.0 0.0          | 0.466 0.47 0.471    | 47.7 -0.3 -0.1 0.4    | 205.6 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1004 | NW_062de            | 0.625 0.625 0.625   | 0.625 0.625 0.625   | 0.625 360           | 0.625 0.625 0.625   | 59.6 0.0 0.0          | 0.59 0.593 0.594    | 59.4 -0.2 -0.1 0.3    | 206.3 0.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1005 | NW_075de            | 0.75 0.75 0.75      | 0.75 0.75 0.75      | 0.75 360            | 0.75 0.75 0.75      | 71.5 0.0 0.0          | 0.721 0.724 0.724   | 71.3 -0.1 0.0 0.2     | 207.8 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1006 | NW_087de            | 0.875 0.875 0.875   | 0.875 0.875 0.875   | 0.875 360           | 0.875 0.875 0.875   | 83.4 0.0 0.0          | 0.858 0.86 0.86     | 83.3 0.0 0.0 0.1      | 212.6 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1007 | NW_100de            | 1.0 1.0 1.0         | 1.0 1.0 1.0         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 1.0 1.0 1.0         | 95.4 0.0 0.0 0.0      | 325.2 0.0 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1008 | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1009 | NW_006de            | 0.066 0.066 0.066   | 0.066 0.066 0.066   | 0.066 360           | 0.066 0.066 0.066   | 6.2 0.0 0.0           | 0.068 0.07 0.07     | 4.7 -0.1 0.0 0.1      | 215.3 1.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1010 | NW_013de            | 0.133 0.133 0.133   | 0.133 0.133 0.133   | 0.133 360           | 0.133 0.133 0.133   | 12.6 0.0 0.0          | 0.134 0.138 0.138   | 12.6 -0.5 -0.1 0.5    | 198.8 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1011 | NW_020de            | 0.2 0.2 0.2         | 0.2 0.2 0.2         | 0.2 360             | 0.2 0.2 0.2         | 19.0 0.0 0.0          | 0.181 0.193 0.193   | 18.7 -1.1 -0.4 1.2    | 202.3 1.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1012 | NW_026de            | 0.266 0.266 0.266   | 0.266 0.266 0.266   | 0.266 360           | 0.266 0.266 0.266   | 25.3 0.0 0.0          | 0.25 0.251 0.251    | 25.4 0.0 0.0 0.0      | 198.2 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1013 | NW_033de            | 0.333 0.333 0.333   | 0.333 0.333 0.333   | 0.333 360           | 0.333 0.333 0.333   | 31.7 0.0 0.0          | 0.303 0.311 0.311   | 31.6 -0.7 -0.3 0.8    | 203.1 0.8 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1014 | NW_040de            | 0.4 0.4 0.4         | 0.4 0.4 0.4         | 0.4 360             | 0.4 0.4 0.4         | 38.1 0.0 0.0          | 0.374 0.374 0.374   | 38.2 0.0 0.0 0.0      | 217.7 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1015 | NW_046de            | 0.466 0.466 0.466   | 0.466 0.466 0.466   | 0.466 360           | 0.466 0.466 0.466   | 44.4 0.0 0.0          | 0.431 0.437 0.437   | 44.4 -0.5 -0.2 0.5    | 203.8 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1016 | NW_053de            | 0.533 0.533 0.533   | 0.533 0.533 0.533   | 0.533 360           | 0.533 0.533 0.533   | 50.8 0.0 0.0          | 0.503 0.504 0.504   | 51.0 0.0 0.0 0.0      | 222.6 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1017 | NW_060de            | 0.6 0.6 0.6         | 0.6 0.6 0.6         | 0.6 360             | 0.6 0.6 0.6         | 57.2 0.0 0.0          | 0.564 0.569 0.569   | 57.1 -0.3 -0.1 0.4    | 204.7 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1018 | NW_066de            | 0.666 0.666 0.666   | 0.666 0.666 0.666   | 0.666 360           | 0.666 0.666 0.666   | 63.5 0.0 0.0          | 0.634 0.635 0.635   | 63.3 -0.1 0.0 0.1     | 207.4 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1019 | NW_073de            | 0.734 0.734 0.734   | 0.734 0.734 0.734   | 0.734 360           | 0.734 0.734 0.734   | 70.0 0.0 0.0          | 0.703 0.706 0.707   | 69.8 -0.3 -0.1 0.3    | 205.7 0.4 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1020 | NW_080de            | 0.8 0.8 0.8         | 0.8 0.8 0.8         | 0.8 360             | 0.8 0.8 0.8         | 76.3 0.0 0.0          | 0.775 0.778 0.778   | 76.1 -0.1 0.0 0.2     | 206.4 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1021 | NW_086de            | 0.866 0.866 0.866   | 0.866 0.866 0.866   | 0.866 360           | 0.866 0.866 0.866   | 82.6 0.0 0.0          | 0.847 0.85 0.85     | 82.5 -0.1 0.0 0.1     | 209.2 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1022 | NW_093de            | 0.933 0.933 0.933   | 0.933 0.933 0.933   | 0.933 360           | 0.933 0.933 0.933   | 89.0 0.0 0.0          | 0.921 0.924 0.924   | 88.9 -0.2 -0.1 0.2    | 207.0 0.2 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1023 | NW_100de            | 1.0 1.0 1.0         | 1.0 1.0 1.0         | 1.0 360             | 1.0 1.0 1.0         | 95.4 0.0 0.0          | 1.0 1.0 1.0         | 95.4 0.0 0.0 0.0      | 325.2 0.0 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1024 | NW_000de            | 0.0 0.0 0.0         | 0.0 0.0 0.0         | 0.0 360             | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 0.0         | 0.0 0.0 0.0           | 0.0 0.0 360                           | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1025 | NW_006de            | 0.066 0.066 0.066   | 0.066 0.066 0.066   | 0.066 360           | 0.066 0.066 0.066   | 6.2 0.0 0.0           | 0.068 0.07 0.07     | 4.7 -0.1 0.0 0.1      | 215.3 1.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1026 | NW_013de            | 0.133 0.133 0.133   | 0.133 0.133 0.133   | 0.133 360           | 0.133 0.133 0.133   | 12.6 0.0 0.0          | 0.134 0.138 0.138   | 12.6 -0.5 -0.1 0.5    | 198.8 0.5 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1027 | NW_020de            | 0.2 0.2 0.2         | 0.2 0.2 0.2         | 0.2 360             | 0.2 0.2 0.2         | 19.0 0.0 0.0          | 0.181 0.193 0.193   | 18.7 -1.1 -0.4 1.2    | 202.3 1.3 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1028 | NW_026de            | 0.266 0.266 0.266   | 0.266 0.266 0.266   | 0.266 360           | 0.266 0.266 0.266   | 25.3 0.0 0.0          | 0.25 0.251 0.251    | 25.4 0.0 0.0 0.0      | 198.2 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1029 | NW_033de            | 0.333 0.333 0.333   | 0.333 0.333 0.333   | 0.333 360           | 0.333 0.333 0.333   | 31.7 0.0 0.0          | 0.303 0.311 0.311   | 31.6 -0.7 -0.3 0.8    | 203.1 0.8 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1030 | NW_040de            | 0.4 0.4 0.4         | 0.4 0.4 0.4         | 0.4 360             | 0.4 0.4 0.4         | 38.1 0.0 0.0          | 0.374 0.374 0.374   | 38.2 0.0 0.0 0.0      | 217.7 0.1 360                         | 1.0 1.0 1.0         | 95.4 0.0 0.0          |
| 1031 | NW_046de            | 0.466               |                     |                     |                     |                       |                     |                       |                                       |                     |                       |

