

Immettere y uscita: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_{-} = G50B_{-}$

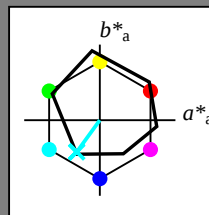
Dati del dispositivo (d) o  
colori elementari (e):

$HIC^*_{-}$

codice di tonalità per i colori  
questa pagina:

$H^*_{-} = G50B_{-}$

triangolo chiarezza  $T^*$



ORS18a; dati atti CIELAB (a)

| name                | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------|-------------------|---------|--------------|--------------|
| R <sub>-</sub> ,Ma  | 47.9              | 65.3    | 50.5         | 82.6         |
| Y <sub>-</sub> ,Ma  | 90.3              | -10.2   | 91.7         | 92.3         |
| G <sub>-</sub> ,Ma  | 50.9              | -62.8   | 34.9         | 71.9         |
| C <sub>-</sub> ,Ma  | 58.6              | -30.3   | -45.0        | 54.2         |
| B <sub>-</sub> ,Ma  | 25.7              | 31.0    | -44.4        | 54.2         |
| M <sub>-</sub> ,Ma  | 48.1              | 75.2    | -8.3         | 75.7         |
| N <sub>-</sub> ,Ma  | 18.0              | 0.0     | 0.0          | 0            |
| W <sub>-</sub> ,Ma  | 95.4              | 0.0     | 0.0          | 0            |
| R <sub>-</sub> ,CIE | 39.9              | 58.7    | 27.9         | 65.0         |
| Y <sub>-</sub> ,CIE | 81.2              | -2.8    | 71.5         | 71.6         |
| G <sub>-</sub> ,CIE | 52.2              | -42.4   | 13.6         | 44.5         |
| B <sub>-</sub> ,CIE | 30.5              | 1.4     | -46.4        | 46.4         |

Il dati per il massimo colore (Ma):

$LabCh^*_{-,Ma}$ : 63 -30 -42 51 234

$HIC^*_{-,Ma}$ : G50B\_100\_100-

$rgbic^*_{-,Ma}$ :

0.0 1.0 1.0 1.0 1.0

triangolo chiarezza  $T^*$

%Gamma

$u^*_{rel} = 92$

%Regularità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

| $H^*_{-}$     | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|-------------------|---------|--------------|--------------|
| R00Y_100_100- | 48.4              | 66.1    | 40.2         | 77.3         |
| R25Y_100_100- | 56.8              | 48.0    | 50.5         | 69.6         |
| R50Y_100_100- | 68.6              | 25.0    | 63.9         | 68.6         |
| R75Y_100_100- | 80.6              | 4.8     | 77.2         | 77.3         |
| Y00G_100_100- | 90.2              | -9.6    | 88.2         | 88.7         |
| Y25G_100_100- | 83.2              | -18.4   | 79.9         | 81.9         |
| Y50G_100_100- | 73.3              | -31.7   | 62.7         | 70.2         |
| Y75G_100_100- | 62.0              | -49.7   | 43.2         | 65.8         |
| G00B_100_100- | 55.8              | -65.2   | 33.8         | 73.4         |
| G25B_100_100- | 59.3              | -50.3   | -9.0         | 51.0         |
| G50B_100_100- | 63.0              | -30.5   | -42.0        | 51.9         |
| G75B_100_100- | 45.7              | -5.7    | -44.6        | 44.9         |
| B00R_100_100- | 27.5              | 25.9    | -47.3        | 53.9         |
| B25R_100_100- | 38.3              | 52.6    | -28.5        | 59.8         |
| B50R_100_100- | 49.5              | 73.5    | -9.0         | 74.0         |
| B75R_100_100- | 48.9              | 69.3    | 12.9         | 70.4         |

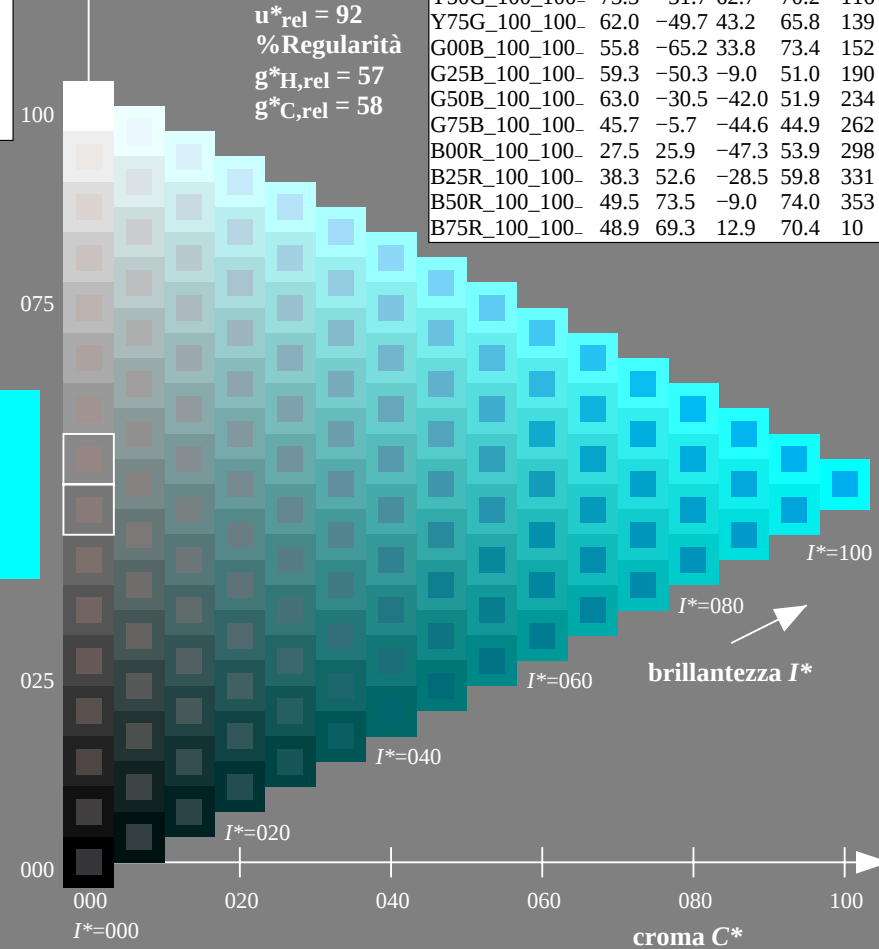
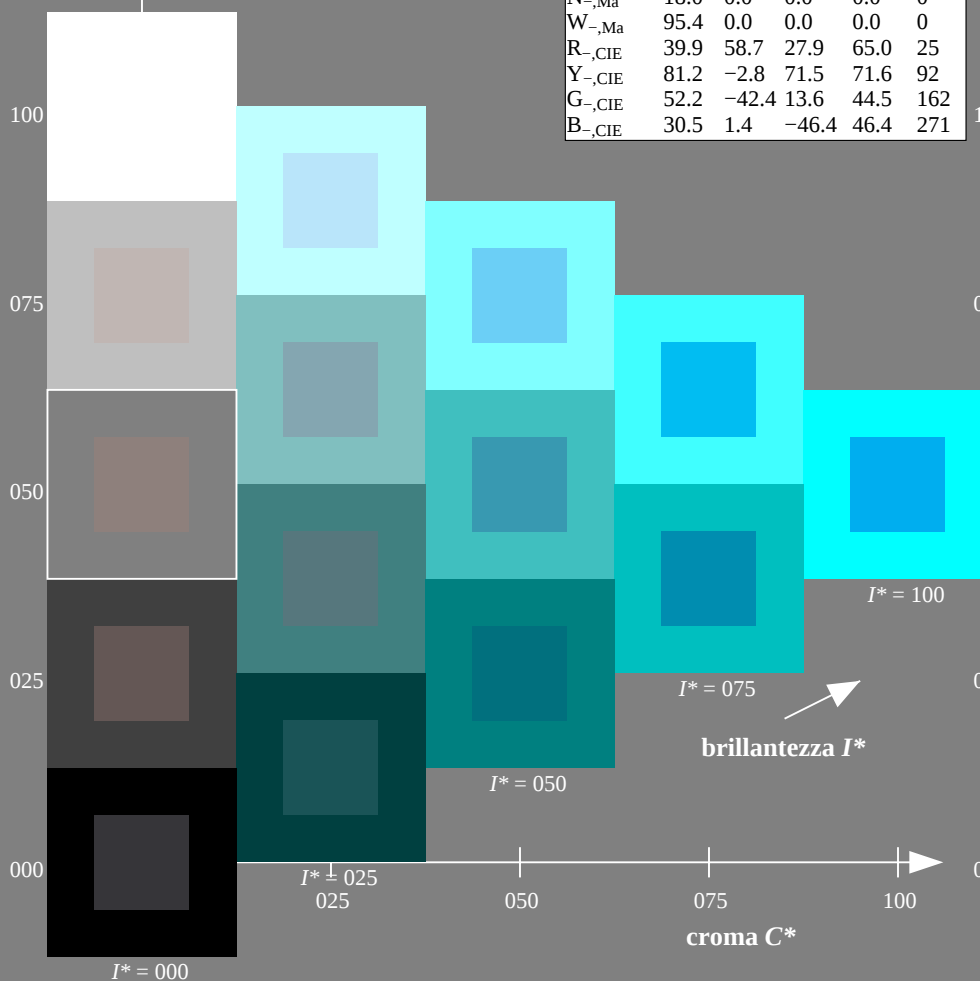


grafico TUB-QI97; codice di tinte:  $H^*_{-}=G50B_{-}$   
grafico conformemente a DIN 33872, 3D=0, de=0,  $cm_y0$

immettere:  $rgb/cmyk \rightarrow rgb/cmyk$   
uscita: nessun cambiamento

Immettere y uscita: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

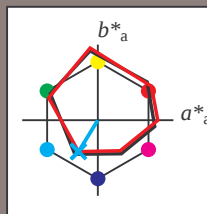
Dati del dispositivo (d) o colori elementari (e):

$HIC^*_d$

codice di tonalità per i colori  
questa pagina:

$H^*_d = G50B_d$

triangolo chiarezza  $T^*$



ORS20a; dati atti CIELAB (a)

| name               | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| R <sub>d,Ma</sub>  | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| Y <sub>d,Ma</sub>  | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| G <sub>d,Ma</sub>  | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| C <sub>d,Ma</sub>  | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| B <sub>d,Ma</sub>  | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| M <sub>d,Ma</sub>  | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| N <sub>d,Ma</sub>  | 24.3        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>d,Ma</sub>  | 95.6        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>d,CIE</sub> | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>d,CIE</sub> | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>d,CIE</sub> | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>d,CIE</sub> | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Il dati per il massimo colore (Ma):

$LabCh^*_{d,Ma}$ : 56 -25 -41 48 238

$HIC^*_{d,Ma}$ : G50B\_100\_100d

$rgbic^*_{d,Ma}$ :

0.0 1.0 1.0 1.0 1.0

triangolo chiarezza  $T^*$

%Gamma

$u^*_{rel} = 92$

%Regolarità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

| $H^*_d$       | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100d | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| R25Y_100_100d | 53.0        | 53.4    | 54.8    | 76.5         | 45           |
| R50Y_100_100d | 64.9        | 28.9    | 68.6    | 74.5         | 67           |
| R75Y_100_100d | 78.6        | 4.3     | 84.7    | 84.8         | 87           |
| Y00G_100_100d | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| Y25G_100_100d | 81.2        | -17.0   | 84.3    | 86.0         | 101          |
| Y50G_100_100d | 70.6        | -29.7   | 66.5    | 72.8         | 114          |
| Y75G_100_100d | 57.9        | -48.3   | 45.8    | 66.5         | 136          |
| G00B_100_100d | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| G25B_100_100d | 52.9        | -48.6   | -8.0    | 49.3         | 189          |
| G50B_100_100d | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| G75B_100_100d | 41.7        | -1.2    | -40.6   | 40.6         | 268          |
| B00R_100_100d | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| B25R_100_100d | 35.6        | 58.6    | -20.7   | 62.1         | 340          |
| B50R_100_100d | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| B75R_100_100d | 45.9        | 74.2    | 21.1    | 77.1         | 15           |

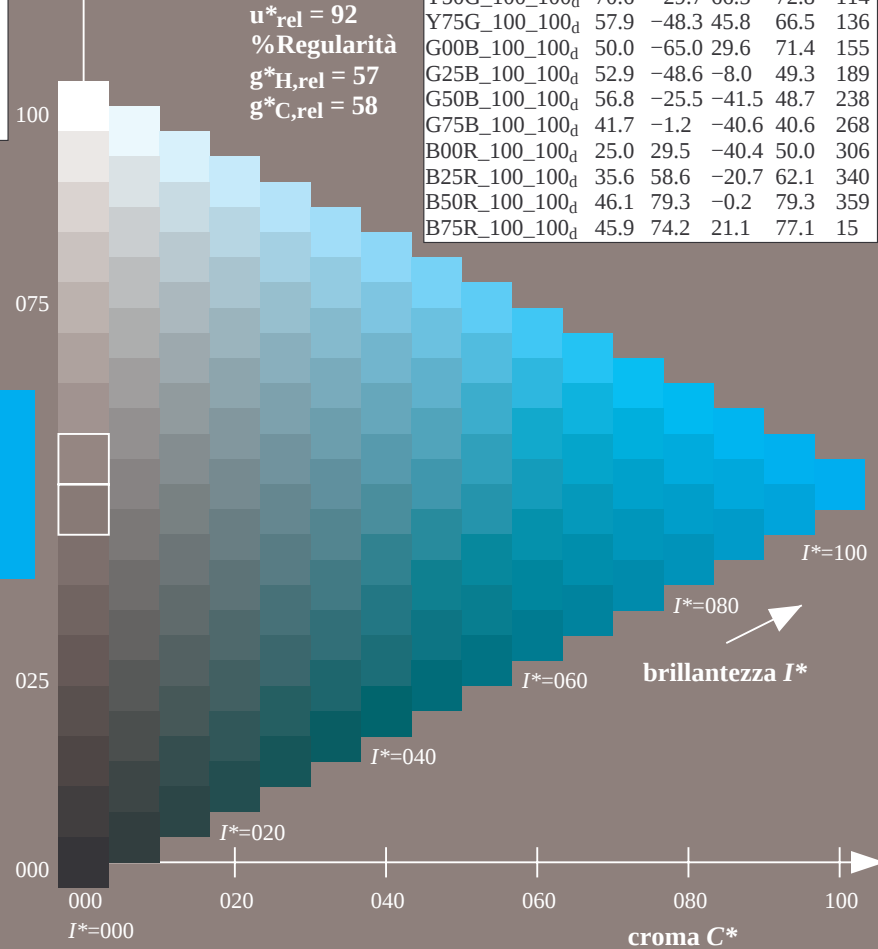
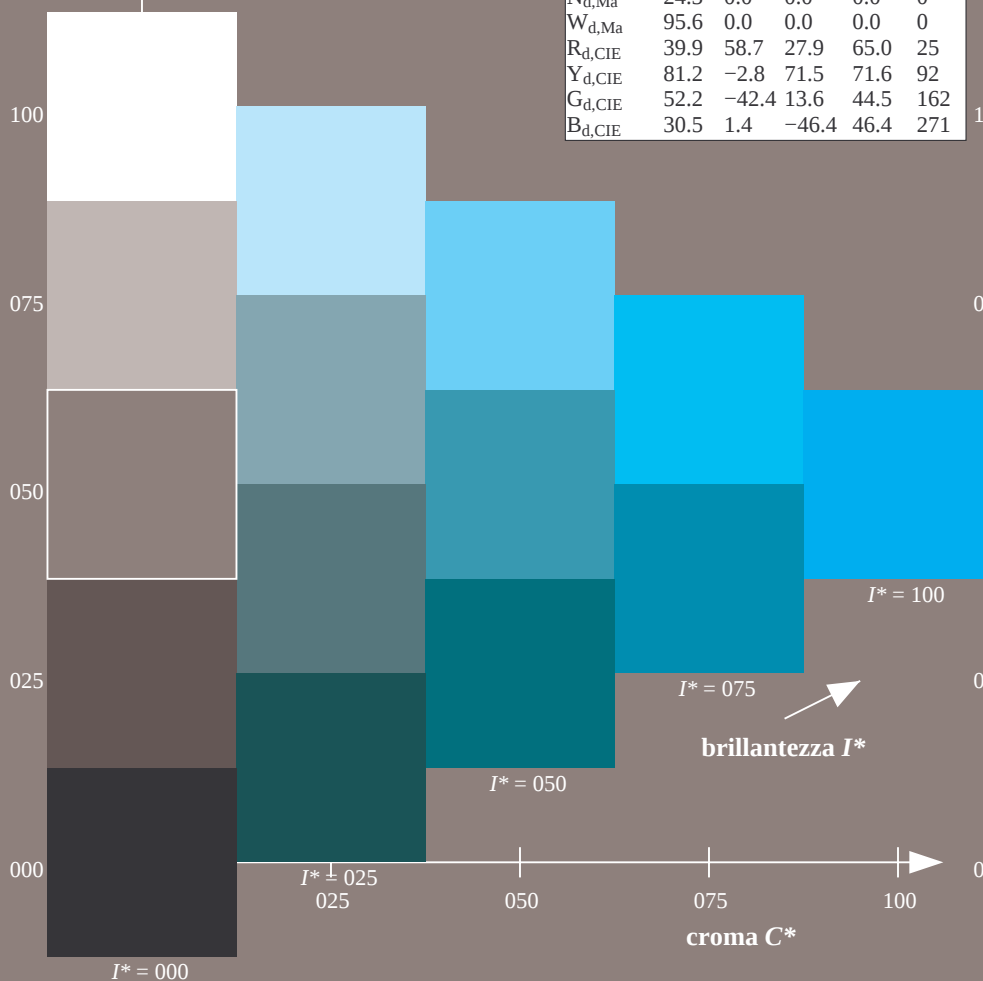


grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
grafico conformemente a DIN 33872, 3D=0, de=0,  $cmY0$

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmY0_d$

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione  $cmY0$  (CMY0)

TUB materiale: code=rh4ta

Immettere y uscita: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

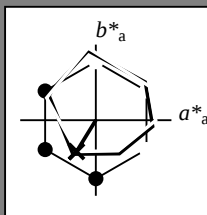
Dati del dispositivo (d) o colori elementari (e):

$HIC^*_d$

codice di tonalità per i colori questa pagina:

$H^*_d = G50B_d$

triangolo chiarezza  $T^*$



ORS20a; dati atti CIELAB (a)

| name        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|-------------|---------|---------|--------------|--------------|
| $R_{d,Ma}$  | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $Y_{d,Ma}$  | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $G_{d,Ma}$  | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $C_{d,Ma}$  | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $B_{d,Ma}$  | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $M_{d,Ma}$  | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $N_{d,Ma}$  | 24.3        | 0.0     | 0.0     | 0.0          | 0            |
| $W_{d,Ma}$  | 95.6        | 0.0     | 0.0     | 0.0          | 0            |
| $R_{d,CIE}$ | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| $Y_{d,CIE}$ | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| $G_{d,CIE}$ | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| $B_{d,CIE}$ | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Il dati per il massimo colore (Ma):

$LabCh^*_{d,Ma}$ : 56 -25 -41 48 238

$HIC^*_{d,Ma}$ : G50B\_100\_100d

$rgbic^*_{d,Ma}$ :

0.0 1.0 1.0 1.0 1.0

triangolo chiarezza  $T^*$

%Gamma

$u^*_{rel} = 92$

%Regolarità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

| $H^*_d$           | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------------|-------------|---------|---------|--------------|--------------|
| $R00Y_{100_100d}$ | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $R25Y_{100_100d}$ | 53.0        | 53.4    | 54.8    | 76.5         | 45           |
| $R50Y_{100_100d}$ | 64.9        | 28.9    | 68.6    | 74.5         | 67           |
| $R75Y_{100_100d}$ | 78.6        | 4.3     | 84.7    | 84.8         | 87           |
| $Y00G_{100_100d}$ | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $Y25G_{100_100d}$ | 81.2        | -17.0   | 84.3    | 86.0         | 101          |
| $Y50G_{100_100d}$ | 70.6        | -29.7   | 66.5    | 72.8         | 114          |
| $Y75G_{100_100d}$ | 57.9        | -48.3   | 45.8    | 66.5         | 136          |
| $G00B_{100_100d}$ | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $G25B_{100_100d}$ | 52.9        | -48.6   | -8.0    | 49.3         | 189          |
| $G50B_{100_100d}$ | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $G75B_{100_100d}$ | 41.7        | -1.2    | -40.6   | 40.6         | 268          |
| $B00R_{100_100d}$ | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $B25R_{100_100d}$ | 35.6        | 58.6    | -20.7   | 62.1         | 340          |
| $B50R_{100_100d}$ | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $B75R_{100_100d}$ | 45.9        | 74.2    | 21.1    | 77.1         | 15           |

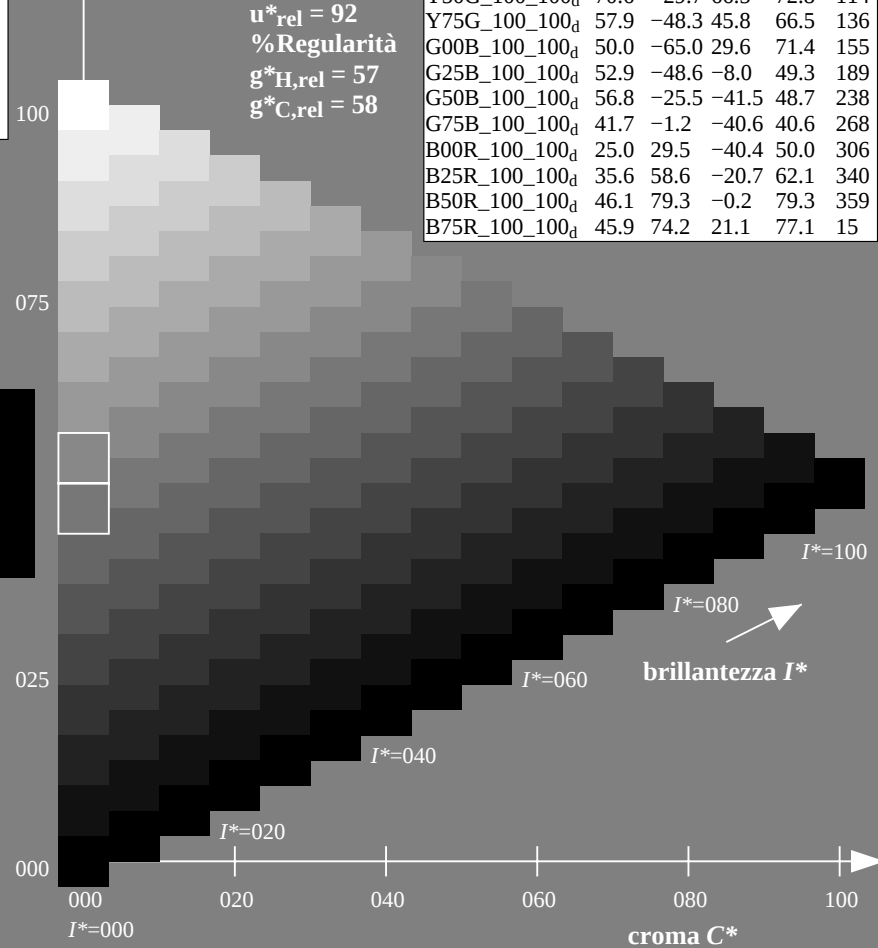
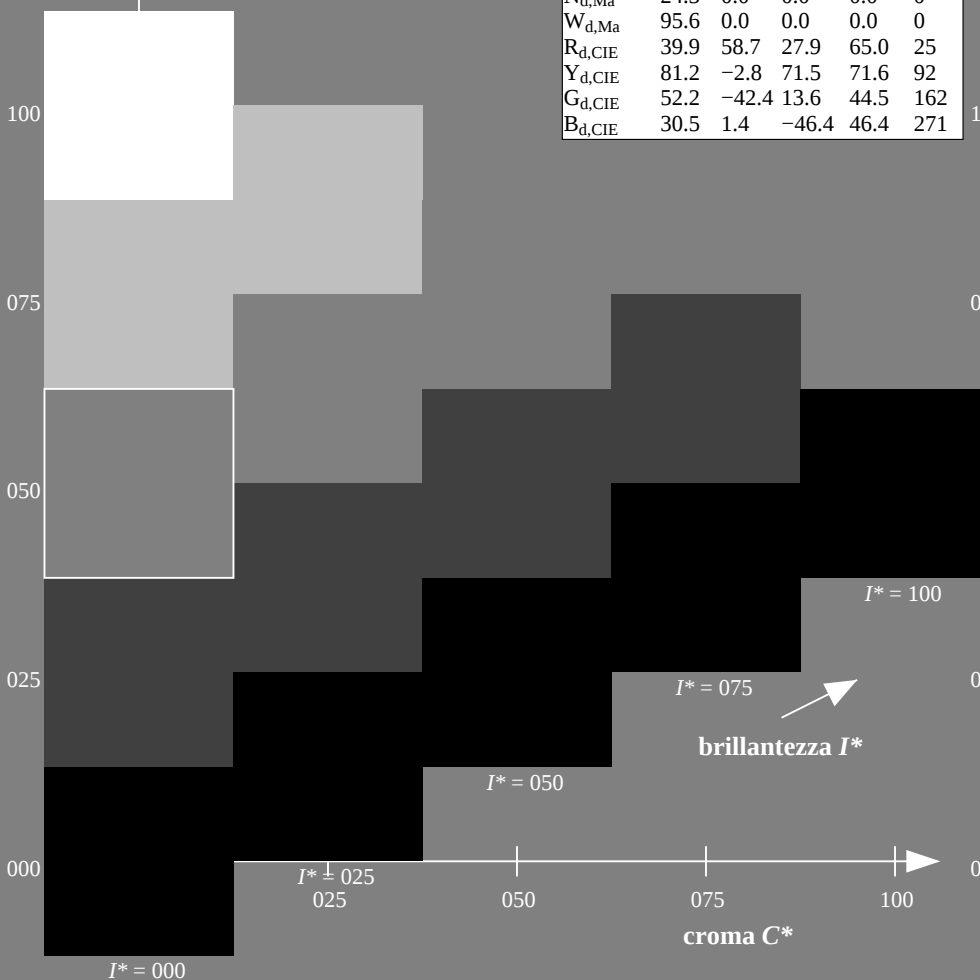


grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
grafico conformemente a DIN 33872, 3D=0, de=0,  $cmY0$

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmY0_d$

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione  $cmY0$  (CMY0)

TUB materiale: code=rh4ta

Immettere y uscita: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

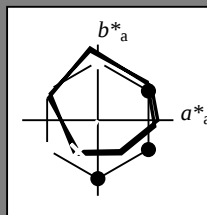
Dati del dispositivo (d) o colori elementari (e):

$HIC^*_d$

codice di tonalità per i colori questa pagina:

$H^*_d = G50B_d$

triangolo chiarezza  $T^*$



ORS20a; dati atti CIELAB (a)

| name        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|-------------|---------|---------|--------------|--------------|
| $R_{d,Ma}$  | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $Y_{d,Ma}$  | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $G_{d,Ma}$  | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $C_{d,Ma}$  | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $B_{d,Ma}$  | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $M_{d,Ma}$  | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $N_{d,Ma}$  | 24.3        | 0.0     | 0.0     | 0.0          | 0            |
| $W_{d,Ma}$  | 95.6        | 0.0     | 0.0     | 0.0          | 0            |
| $R_{d,CIE}$ | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| $Y_{d,CIE}$ | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| $G_{d,CIE}$ | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| $B_{d,CIE}$ | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Il dati per il massimo colore (Ma):

$LabCh^*_{d,Ma}$ : 56 -25 -41 48 238

$HIC^*_{d,Ma}$ : G50B\_100\_100d

$rgbic^*_{d,Ma}$ :

0.0 1.0 1.0 1.0 1.0

triangolo chiarezza  $T^*$

%Gamma

$u^*_{rel} = 92$

%Regolarità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

| $H^*_d$           | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------------|-------------|---------|---------|--------------|--------------|
| $R00Y_{100_100d}$ | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $R25Y_{100_100d}$ | 53.0        | 53.4    | 54.8    | 76.5         | 45           |
| $R50Y_{100_100d}$ | 64.9        | 28.9    | 68.6    | 74.5         | 67           |
| $R75Y_{100_100d}$ | 78.6        | 4.3     | 84.7    | 84.8         | 87           |
| $Y00G_{100_100d}$ | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $Y25G_{100_100d}$ | 81.2        | -17.0   | 84.3    | 86.0         | 101          |
| $Y50G_{100_100d}$ | 70.6        | -29.7   | 66.5    | 72.8         | 114          |
| $Y75G_{100_100d}$ | 57.9        | -48.3   | 45.8    | 66.5         | 136          |
| $G00B_{100_100d}$ | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $G25B_{100_100d}$ | 52.9        | -48.6   | -8.0    | 49.3         | 189          |
| $G50B_{100_100d}$ | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $G75B_{100_100d}$ | 41.7        | -1.2    | -40.6   | 40.6         | 268          |
| $B00R_{100_100d}$ | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $B25R_{100_100d}$ | 35.6        | 58.6    | -20.7   | 62.1         | 340          |
| $B50R_{100_100d}$ | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $B75R_{100_100d}$ | 45.9        | 74.2    | 21.1    | 77.1         | 15           |

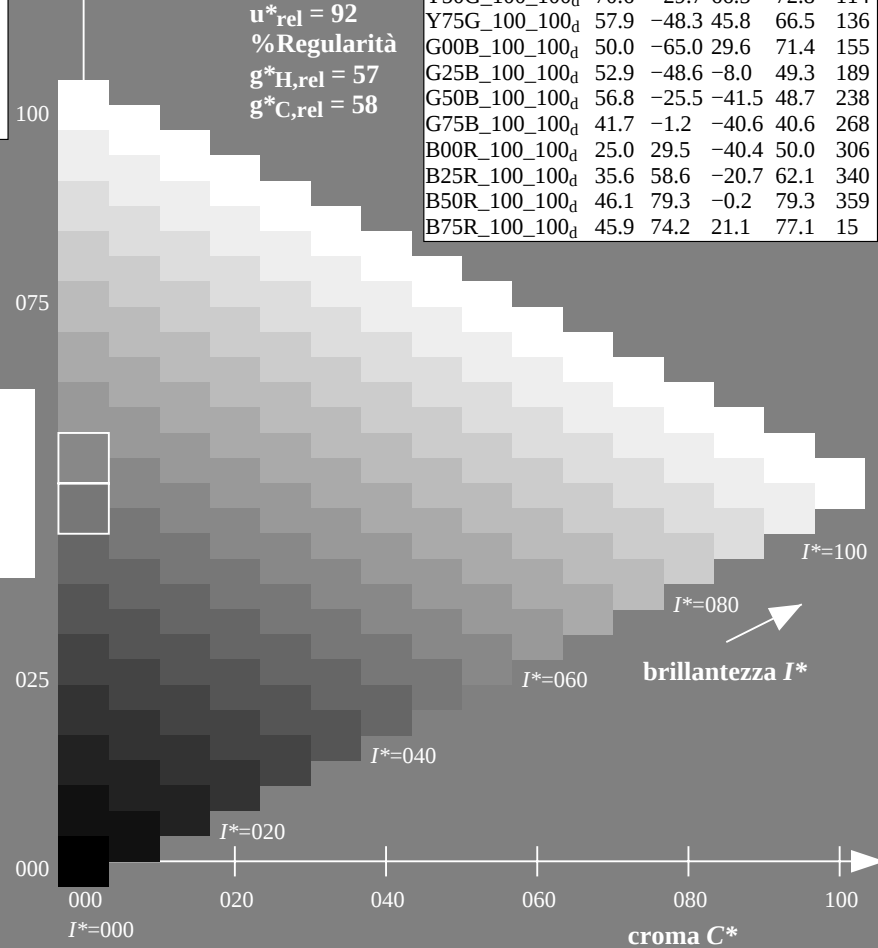
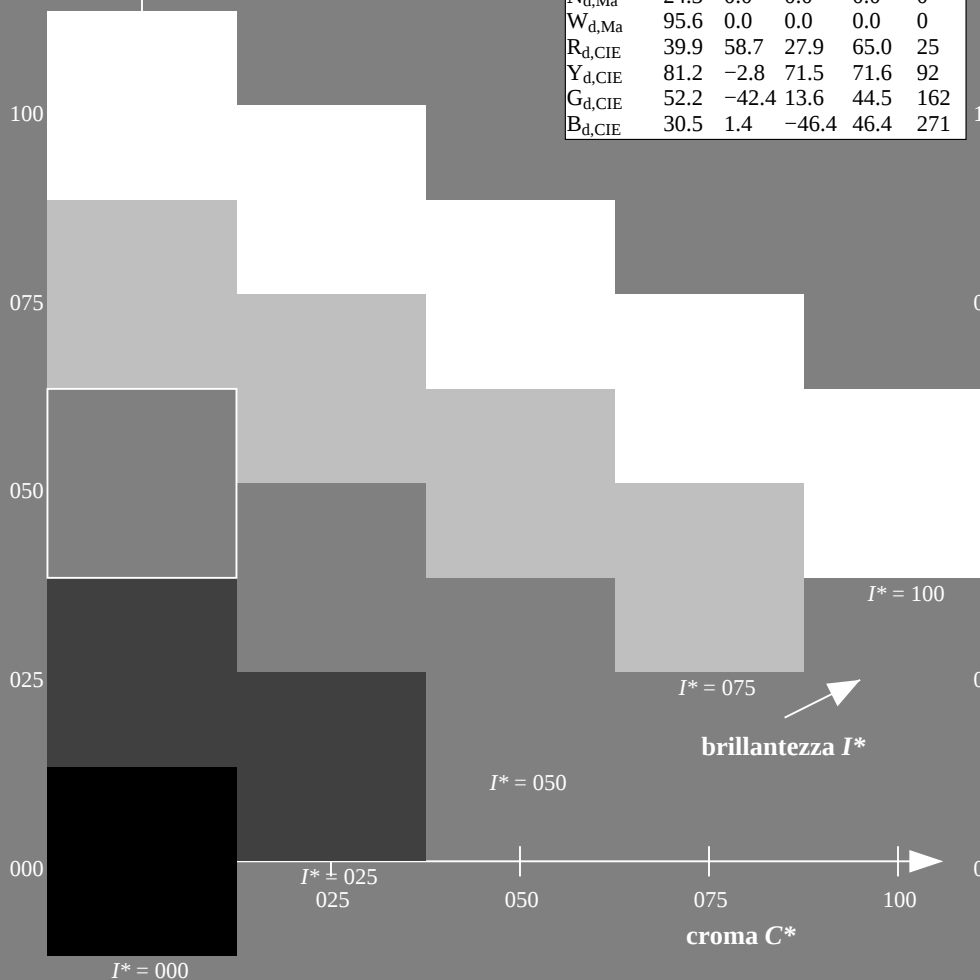


grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
grafico conformemente a DIN 33872, 3D=0, de=0,  $cmY0$

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmY0_d$

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione  $cmY0$  (CMY0)

TUB materiale: code=rh44a

Immettere y uscita: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 238/360 = 0.66$

$H^*_d = G50B_d$

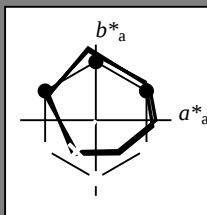
Dati del dispositivo (d) o colori elementari (e):

$HIC^*_d$

codice di tonalità per i colori questa pagina:

$H^*_d = G50B_d$

triangolo chiarezza  $T^*$



ORS20a; dati atti CIELAB (a)

| name        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|-------------|---------|---------|--------------|--------------|
| $R_{d,Ma}$  | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $Y_{d,Ma}$  | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $G_{d,Ma}$  | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $C_{d,Ma}$  | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $B_{d,Ma}$  | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $M_{d,Ma}$  | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $N_{d,Ma}$  | 24.3        | 0.0     | 0.0     | 0.0          | 0            |
| $W_{d,Ma}$  | 95.6        | 0.0     | 0.0     | 0.0          | 0            |
| $R_{d,CIE}$ | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| $Y_{d,CIE}$ | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| $G_{d,CIE}$ | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| $B_{d,CIE}$ | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Il dati per il massimo colore (Ma):

$LabCh^*_{d,Ma}$ : 56 -25 -41 48 238

$HIC^*_{d,Ma}$ : G50B\_100\_100d

$rgbic^*_{d,Ma}$ :

0.0 1.0 1.0 1.0 1.0

triangolo chiarezza  $T^*$

%Gamma

$u^*_{rel} = 92$

%Regularità

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 58$

ORS20a; dati atti CIELAB (a)

| $H^*_d$            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| $R00Y\_100\_100_d$ | 45.4        | 70.9    | 44.8    | 83.9         | 32           |
| $R25Y\_100\_100_d$ | 53.0        | 53.4    | 54.8    | 76.5         | 45           |
| $R50Y\_100\_100_d$ | 64.9        | 28.9    | 68.6    | 74.5         | 67           |
| $R75Y\_100\_100_d$ | 78.6        | 4.3     | 84.7    | 84.8         | 87           |
| $Y00G\_100\_100_d$ | 87.8        | -10.2   | 95.4    | 96.0         | 96           |
| $Y25G\_100\_100_d$ | 81.2        | -17.0   | 84.3    | 86.0         | 101          |
| $Y50G\_100\_100_d$ | 70.6        | -29.7   | 66.5    | 72.8         | 114          |
| $Y75G\_100\_100_d$ | 57.9        | -48.3   | 45.8    | 66.5         | 136          |
| $G00B\_100\_100_d$ | 50.0        | -65.0   | 29.6    | 71.4         | 155          |
| $G25B\_100\_100_d$ | 52.9        | -48.6   | -8.0    | 49.3         | 189          |
| $G50B\_100\_100_d$ | 56.8        | -25.5   | -41.5   | 48.7         | 238          |
| $G75B\_100\_100_d$ | 41.7        | -1.2    | -40.6   | 40.6         | 268          |
| $B00R\_100\_100_d$ | 25.0        | 29.5    | -40.4   | 50.0         | 306          |
| $B25R\_100\_100_d$ | 35.6        | 58.6    | -20.7   | 62.1         | 340          |
| $B50R\_100\_100_d$ | 46.1        | 79.3    | -0.2    | 79.3         | 359          |
| $B75R\_100\_100_d$ | 45.9        | 74.2    | 21.1    | 77.1         | 15           |

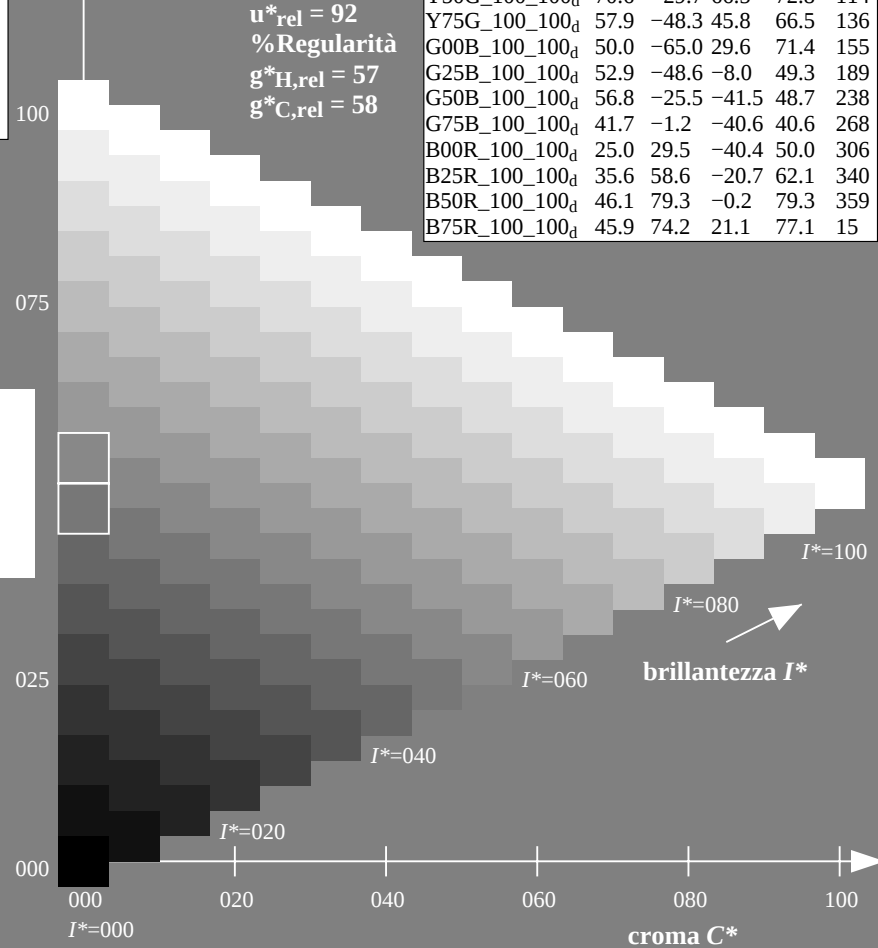
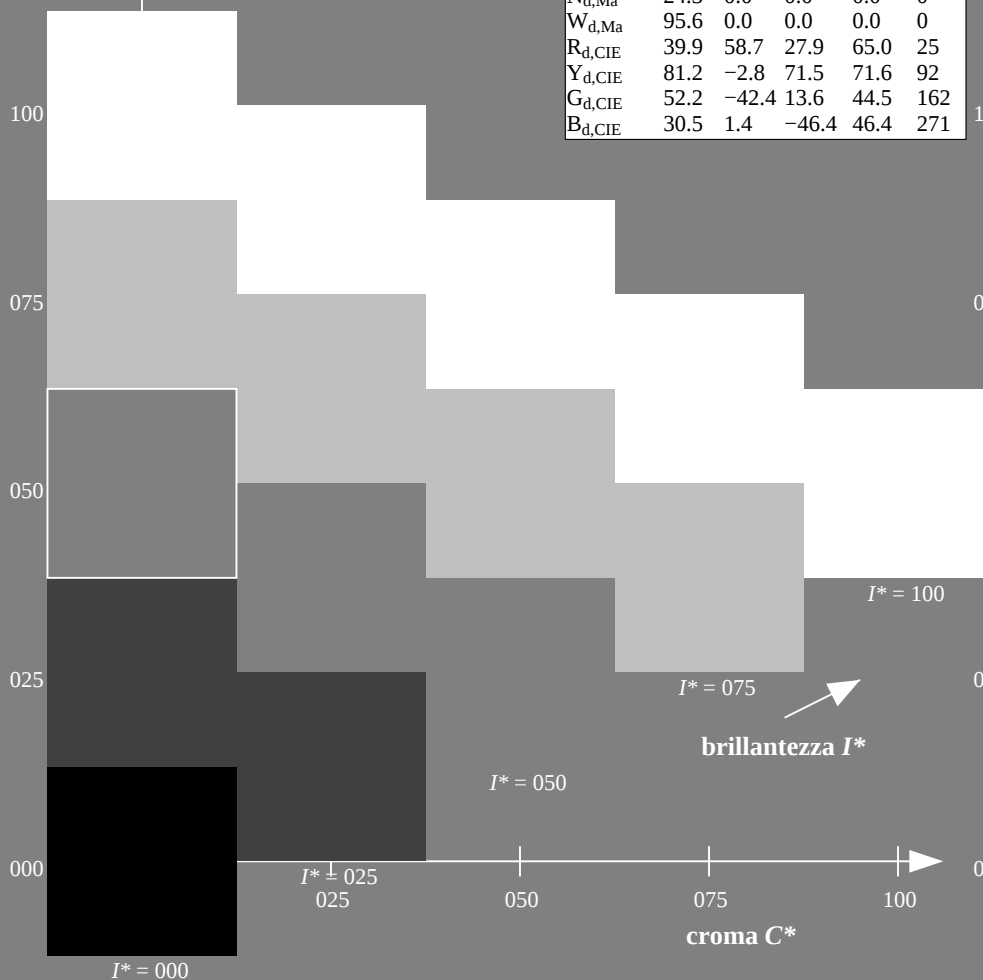


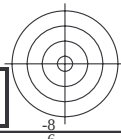
grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
grafico conformemente a DIN 33872, 3D=0, de=0,  $cmY0$

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmY0_d$



TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
+ la domanda per la misura uscita nella stampa di offse

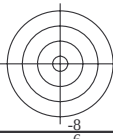
TUB materiale: code=rh4ta  
one cmy0 (CMY0)



<http://130.149.60.45/~farbmetrik/QI97/QI97L0NP.PDF> /PS; uscita di trasferimento  
N: nessun 3D-linearizzazione (OL) nel file (F) o PS-startup (S), pagina 6/33



vedere dei file simili: <http://130.149.60.45/~farbmatrik/Q197/Q197.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmatrik>



4-003531-L0      QI970-70

grafico TUB-QI97; codice di tinte: H\*d=G50Bd  
grafico conformemente a DIN 33872, 3D=0, de=0, cmy0

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$



4-003531-F0

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

$J=Y_d$

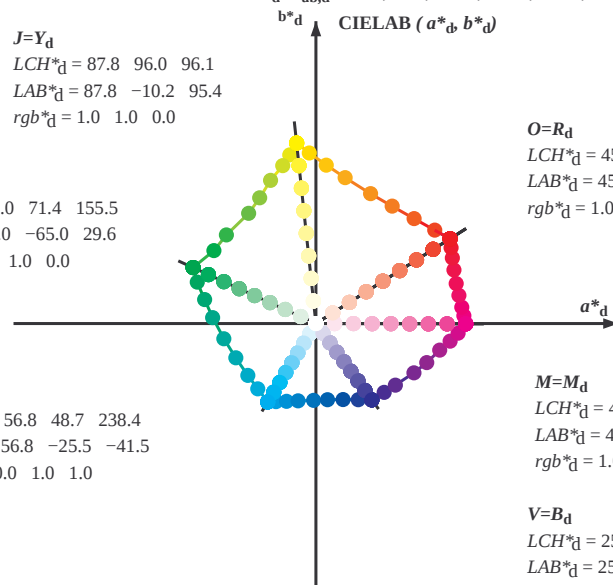
$LCH^*_d = 87.8 \ 96.0 \ 96.1$   
 $LAB^*_d = 87.8 \ -10.2 \ 95.4$   
 $rgb^*_d = 1.0 \ 1.0 \ 0.0$

$L=G_d$

$LCH^*_d = 50.0 \ 71.4 \ 155.5$   
 $LAB^*_d = 50.0 \ -65.0 \ 29.6$   
 $rgb^*_d = 0.0 \ 1.0 \ 0.0$

$C=C_d$

$LCH^*_d = 56.8 \ 48.7 \ 238.4$   
 $LAB^*_d = 56.8 \ -25.5 \ -41.5$   
 $rgb^*_d = 0.0 \ 1.0 \ 1.0$



$O=R_d$

$LCH^*_d = 45.4 \ 83.9 \ 32.3$   
 $LAB^*_d = 45.4 \ 70.9 \ 44.8$   
 $rgb^*_d = 1.0 \ 0.0 \ 0.0$

$M=M_d$

$LCH^*_d = 46.1 \ 79.3 \ 359.8$   
 $LAB^*_d = 46.1 \ 79.3 \ -0.2$   
 $rgb^*_d = 1.0 \ 0.0 \ 1.0$

$V=B_d$

$LCH^*_d = 25.0 \ 50.0 \ 306.2$   
 $LAB^*_d = 25.0 \ 29.5 \ -40.4$   
 $rgb^*_d = 0.0 \ 0.0 \ 1.0$

$J=Y_e$

$LCH^*_e = 83.6 \ 90.4 \ 92.3$   
 $LAB^*_e = 83.6 \ -3.6 \ 90.4$   
 $rgb^*_{de} = 1.0 \ 0.878 \ 0.0$

$G_e$

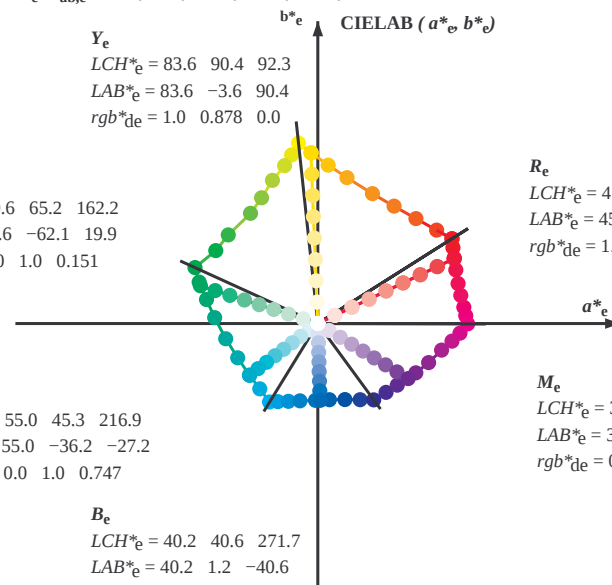
$LCH^*_e = 50.6 \ 65.2 \ 162.2$   
 $LAB^*_e = 50.6 \ -62.1 \ 19.9$   
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.151$

$C_e$

$LCH^*_e = 55.0 \ 45.3 \ 216.9$   
 $LAB^*_e = 55.0 \ -36.2 \ -27.2$   
 $rgb^*_{de} = 0.0 \ 1.0 \ 0.747$

$B_e$

$LCH^*_e = 40.2 \ 40.6 \ 271.7$   
 $LAB^*_e = 40.2 \ 1.2 \ -40.6$   
 $rgb^*_{de} = 0.0 \ 0.458 \ 1.0$



$R_e$

$LCH^*_e = 45.6 \ 80.0 \ 25.4$   
 $LAB^*_e = 45.6 \ 72.2 \ 34.4$   
 $rgb^*_{de} = 1.0 \ 0.0 \ 0.254$

$M_e$

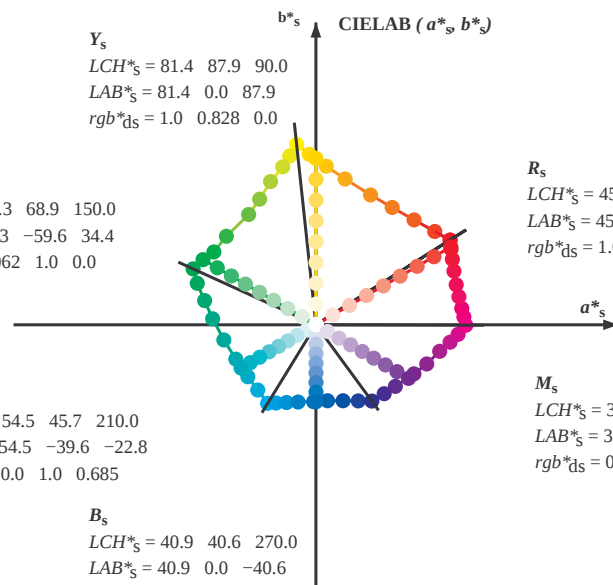
$LCH^*_e = 31.1 \ 55.9 \ 328.6$   
 $LAB^*_e = 31.1 \ 47.7 \ -29.1$   
 $rgb^*_{de} = 0.321 \ 0.0 \ 1.0$

$J=Y_s$

$LCH^*_s = 81.4 \ 87.9 \ 90.0$   
 $LAB^*_s = 81.4 \ 0.0 \ 87.9$   
 $rgb^*_{ds} = 1.0 \ 0.828 \ 0.0$

$G_s$

$LCH^*_s = 52.3 \ 68.9 \ 150.0$   
 $LAB^*_s = 52.3 \ -59.6 \ 34.4$   
 $rgb^*_{ds} = 0.062 \ 1.0 \ 0.0$



$R_s$

$LCH^*_s = 45.5 \ 82.4 \ 30.0$   
 $LAB^*_s = 45.5 \ 71.3 \ 41.2$   
 $rgb^*_{ds} = 1.0 \ 0.0 \ 0.096$

$M_s$

$LCH^*_s = 31.6 \ 56.5 \ 330.0$   
 $LAB^*_s = 31.6 \ 49.0 \ -28.2$   
 $rgb^*_{ds} = 0.337 \ 0.0 \ 1.0$

$C_s$

$LCH^*_s = 54.5 \ 45.7 \ 210.0$   
 $LAB^*_s = 54.5 \ -39.6 \ -22.8$   
 $rgb^*_{ds} = 0.0 \ 1.0 \ 0.685$

$B_s$

$LCH^*_s = 40.9 \ 40.6 \ 270.0$   
 $LAB^*_s = 40.9 \ 0.0 \ -40.6$   
 $rgb^*_{ds} = 0.0 \ 0.479 \ 1.0$

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

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

$h_{ab,i} rgb^*_{di}$

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

$h_{ab,s}$

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

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

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

$h_{ab,e}$

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

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

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

$h_{ab,i} h_{ab,d}$

$rgb^*_{de}$

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ | $LAB^*_{ddx64M}(x=LabCh)$ | $rgb^*_{ddx361M}$ | $LAB^*_{ddx361M}(x=LabCh)$ | $rgb^*_{dsx361M}$ | $LAB^*_{dsx361M}(x=LabCh)$ | $rgb^*_{dex361M}$ | $LAB^*_{dex361M}$ |       |       |       |      |       |       |      |     |       |       |       |       |       |       |      |     |       |     |      |      |       |       |      |     |
|------------|------------|------------|-----------------|---------------------------|-------------------|----------------------------|-------------------|----------------------------|-------------------|-------------------|-------|-------|-------|------|-------|-------|------|-----|-------|-------|-------|-------|-------|-------|------|-----|-------|-----|------|------|-------|-------|------|-----|
| 32.3       | 30.0       | 25.4       | 1.0             | 0.0                       | 0.0               | 45.4                       | 70.9              | 44.8                       | 83.9              | 32.3              | 1.0   | 0.0   | 0.096 | 45.5 | 71.4  | 41.2  | 82.4 | 30  | 1.0   | 0.0   | 0.255 | 45.7  | 72.2  | 34.4  | 80.0 | 25  |       |     |      |      |       |       |      |     |
| 38.1       | 37.5       | 33.8       | 1.0             | 0.125                     | 0.0               | 48.9                       | 62.8              | 49.4                       | 79.9              | 38.1              | 1.0   | 0.117 | 0.0   | 48.7 | 63.4  | 49.1  | 80.2 | 37  | 1.0   | 0.021 | 0.0   | 46.0  | 69.6  | 45.7  | 83.3 | 33  |       |     |      |      |       |       |      |     |
| 46.8       | 45.0       | 42.1       | 1.0             | 0.25                      | 0.0               | 53.6                       | 51.9              | 55.5                       | 76.0              | 46.8              | 1.0   | 0.25  | 0.0   | 53.7 | 52.0  | 55.5  | 76.0 | 46  | 1.0   | 0.183 | 0.0   | 51.1  | 57.9  | 52.5  | 78.1 | 42  |       |     |      |      |       |       |      |     |
| 56.9       | 52.5       | 50.5       | 1.0             | 0.375                     | 0.0               | 59.1                       | 40.3              | 62.0                       | 74.0              | 56.9              | 1.0   | 0.367 | 0.0   | 58.8 | 41.1  | 61.7  | 74.2 | 56  | 1.0   | 0.288 | 0.0   | 55.4  | 48.5  | 57.8  | 75.4 | 49  |       |     |      |      |       |       |      |     |
| 67.1       | 60.0       | 58.8       | 1.0             | 0.5                       | 0.0               | 64.9                       | 28.9              | 68.6                       | 74.5              | 67.1              | 1.0   | 0.5   | 0.0   | 64.9 | 28.9  | 68.7  | 74.5 | 67  | 1.0   | 0.398 | 0.0   | 60.3  | 38.3  | 63.5  | 74.1 | 58  |       |     |      |      |       |       |      |     |
| 78.6       | 67.5       | 67.2       | 1.0             | 0.625                     | 0.0               | 72.1                       | 15.4              | 77.1                       | 78.6              | 78.6              | 1.0   | 0.617 | 0.0   | 71.6 | 16.5  | 76.7  | 78.4 | 77  | 1.0   | 0.494 | 0.0   | 64.6  | 29.5  | 68.4  | 74.5 | 66  |       |     |      |      |       |       |      |     |
| 86.2       | 75.0       | 75.6       | 1.0             | 0.75                      | 0.0               | 77.9                       | 5.4               | 83.8                       | 84.0              | 86.2              | 1.0   | 0.75  | 0.0   | 77.9 | 5.5   | 83.9  | 84.1 | 86  | 1.0   | 0.592 | 0.0   | 70.2  | 19.3  | 75.2  | 77.6 | 75  |       |     |      |      |       |       |      |     |
| 92.1       | 82.5       | 83.9       | 1.0             | 0.875                     | 0.0               | 83.4                       | -3.4              | 90.2                       | 90.2              | 92.1              | 1.0   | 0.867 | 0.0   | 83.1 | -2.7  | 89.8  | 89.9 | 91  | 1.0   | 0.703 | 0.0   | 75.8  | 9.4   | 81.5  | 82.0 | 83  |       |     |      |      |       |       |      |     |
| 96.1       | 90.0       | 92.3       | 1.0             | 1.0                       | 0.0               | 87.8                       | -10.2             | 95.4                       | 96.0              | 96.1              | 1.0   | 1.0   | 0.0   | 87.8 | -10.1 | 95.5  | 96.0 | 96  | 1.0   | 0.879 | 0.0   | 83.6  | -3.6  | 90.4  | 90.5 | 92  |       |     |      |      |       |       |      |     |
| 98.8       | 97.5       | 101.0      | 0.875           | 1.0                       | 0.0               | 84.3                       | -13.9             | 89.2                       | 90.3              | 98.8              | 0.883 | 1.0   | 0.0   | 84.6 | -13.6 | 89.7  | 90.7 | 98  | 0.807 | 1.0   | 0.0   | 82.4  | -15.8 | 86.2  | 87.7 | 100 |       |     |      |      |       |       |      |     |
| 101.8      | 105.0      | 109.7      | 0.75            | 1.0                       | 0.0               | 80.7                       | -17.5             | 83.5                       | 85.3              | 101.8             | 0.75  | 1.0   | 0.0   | 80.8 | -17.4 | 83.6  | 85.4 | 101 | 0.583 | 1.0   | 0.0   | 73.7  | -26.1 | 72.7  | 77.3 | 109 |       |     |      |      |       |       |      |     |
| 107.6      | 112.5      | 118.5      | 0.625           | 1.0                       | 0.0               | 75.3                       | -24.0             | 75.7                       | 79.4              | 107.6             | 0.633 | 1.0   | 0.0   | 75.7 | -23.6 | 76.3  | 79.9 | 107 | 0.434 | 1.0   | 0.0   | 68.0  | -32.9 | 62.2  | 70.5 | 117 |       |     |      |      |       |       |      |     |
| 114.0      | 120.0      | 127.2      | 0.5             | 1.0                       | 0.0               | 70.6                       | -29.7             | 66.5                       | 72.8              | 114.0             | 0.5   | 1.0   | 0.0   | 70.6 | -29.6 | 66.5  | 72.8 | 114 | 0.322 | 1.0   | 0.0   | 62.6  | -40.8 | 53.8  | 67.6 | 127 |       |     |      |      |       |       |      |     |
| 121.4      | 127.5      | 136.0      | 0.375           | 1.0                       | 0.0               | 65.7                       | -35.6             | 58.3                       | 68.3              | 121.4             | 0.383 | 1.0   | 0.0   | 66.1 | -35.2 | 58.9  | 68.6 | 120 | 0.249 | 1.0   | 0.0   | 58.4  | -47.4 | 46.8  | 66.6 | 135 |       |     |      |      |       |       |      |     |
| 135.3      | 135.0      | 144.7      | 0.25            | 1.0                       | 0.0               | 58.4                       | -47.3             | 46.8                       | 66.6              | 135.3             | 0.25  | 1.0   | 0.0   | 58.4 | -47.3 | 46.9  | 66.6 | 135 | 0.122 | 1.0   | 0.0   | 54.6  | -54.2 | 38.4  | 66.5 | 144 |       |     |      |      |       |       |      |     |
| 144.4      | 142.5      | 153.4      | 0.125           | 1.0                       | 0.0               | 54.7                       | -53.9             | 38.5                       | 66.3              | 144.4             | 0.133 | 1.0   | 0.0   | 55.0 | -53.5 | 39.2  | 66.4 | 143 | 0.03  | 1.0   | 0.0   | 51.2  | -62.4 | 32.0  | 70.2 | 152 |       |     |      |      |       |       |      |     |
| 155.5      | 150.0      | 162.2      | 0.0             | 1.0                       | 0.0               | 50.0                       | -65.0             | 29.6                       | 71.4              | 155.5             | 0.0   | 1.0   | 0.0   | 50.1 | -64.9 | 29.6  | 71.4 | 155 | 0.151 | 50.7  | -62.0 | 19.9  | 65.2  | 162   |      |     |       |     |      |      |       |       |      |     |
| 160.7      | 157.5      | 169.0      | 0.0             | 1.0                       | 0.125             | 50.5                       | -62.8             | 21.9                       | 66.5              | 160.7             | 0.0   | 1.0   | 0.117 | 50.5 | -62.9 | 22.4  | 66.9 | 160 | 0.261 | 51.3  | -58.5 | 11.8  | 59.8  | 168   |      |     |       |     |      |      |       |       |      |     |
| 167.7      | 165.0      | 175.9      | 0.0             | 1.0                       | 0.25              | 51.2                       | -58.9             | 12.7                       | 60.3              | 167.7             | 0.0   | 1.0   | 0.25  | 51.2 | -58.8 | 12.7  | 60.3 | 167 | 0.364 | 52.0  | -55.0 | 3.9   | 55.2  | 175   |      |     |       |     |      |      |       |       |      |     |
| 176.7      | 172.5      | 182.7      | 0.0             | 1.0                       | 0.375             | 52.0                       | -54.5             | 3.1                        | 54.6              | 176.7             | 0.0   | 1.0   | 0.367 | 52.0 | -54.8 | 3.7   | 55.1 | 176 | 0.43  | 52.5  | -52.2 | -2.0  | 52.3  | 182   |      |     |       |     |      |      |       |       |      |     |
| 189.3      | 180.0      | 189.6      | 0.0             | 1.0                       | 0.5               | 52.9                       | -48.6             | -8.0                       | 49.3              | 189.3             | 0.0   | 1.0   | 0.5   | 53.0 | -48.6 | -7.9  | 49.3 | 189 | 0.502 | 53.0  | -48.5 | -8.1  | 49.3  | 189   |      |     |       |     |      |      |       |       |      |     |
| 203.2      | 187.5      | 196.4      | 0.0             | 1.0                       | 0.625             | 54.0                       | -42.3             | -18.1                      | 46.1              | 203.2             | 0.0   | 1.0   | 0.617 | 54.0 | -42.8 | -17.5 | 46.3 | 202 | 0.56  | 53.5  | -45.9 | -13.1 | 47.8  | 195   |      |     |       |     |      |      |       |       |      |     |
| 217.2      | 195.0      | 203.2      | 0.0             | 1.0                       | 0.75              | 55.0                       | -36.0             | -27.4                      | 45.3              | 217.2             | 0.0   | 1.0   | 0.75  | 55.0 | -35.9 | -27.3 | 45.3 | 217 | 0.626 | 54.1  | -42.3 | -18.1 | 46.1  | 203   |      |     |       |     |      |      |       |       |      |     |
| 228.3      | 202.5      | 210.1      | 0.0             | 1.0                       | 0.875             | 55.8                       | -30.7             | -34.5                      | 46.2              | 228.3             | 0.0   | 1.0   | 0.867 | 55.8 | -31.0 | -34.0 | 46.1 | 227 | 0.682 | 54.5  | -39.6 | -22.6 | 45.7  | 209   |      |     |       |     |      |      |       |       |      |     |
| 238.4      | 210.0      | 216.9      | 0.0             | 1.0                       | 1.0               | 56.8                       | -25.5             | -41.5                      | 48.7              | 238.4             | 0.0   | 1.0   | 1.0   | 56.8 | -25.4 | -41.4 | 48.7 | 238 | 0.747 | 55.0  | -36.1 | -27.2 | 45.3  | 216   |      |     |       |     |      |      |       |       |      |     |
| 242.9      | 217.5      | 223.8      | 0.0             | 0.875                     | 1.0               | 54.1                       | -21.1             | -41.3                      | 46.4              | 242.9             | 0.0   | 0.883 | 1.0   | 54.3 | -21.4 | -41.3 | 46.6 | 242 | 0.819 | 55.5  | -33.2 | -31.3 | 45.8  | 223   |      |     |       |     |      |      |       |       |      |     |
| 249.3      | 225.0      | 230.6      | 0.0             | 0.75                      | 1.0               | 50.4                       | -15.5             | -41.1                      | 43.9              | 249.3             | 0.0   | 0.75  | 1.0   | 50.4 | -15.4 | -41.0 | 44.0 | 249 | 0.904 | 56.1  | -29.6 | -36.1 | 46.8  | 230   |      |     |       |     |      |      |       |       |      |     |
| 256.9      | 232.5      | 237.5      | 0.0             | 0.625                     | 1.0               | 46.5                       | -9.4              | -40.8                      | 41.9              | 256.9             | 0.0   | 0.633 | 1.0   | 46.8 | -9.8  | -40.8 | 42.1 | 256 | 0.983 | 56.7  | -26.2 | -40.5 | 48.4  | 237   |      |     |       |     |      |      |       |       |      |     |
| 268.2      | 240.0      | 244.3      | 0.0             | 0.5                       | 1.0               | 41.7                       | -1.2              | -40.6                      | 40.6              | 268.2             | 0.0   | 0.5   | 1.0   | 41.7 | -1.1  | -40.6 | 40.7 | 268 | 0.847 | 1.0   | 53.3  | -19.8 | -41.3 | 45.9  | 244  |     |       |     |      |      |       |       |      |     |
| 278.6      | 247.5      | 251.2      | 0.0             | 0.375                     | 1.0               | 37.3                       | 6.1               | -40.2                      | 40.7              | 278.6             | 0.0   | 0.383 | 1.0   | 37.6 | 5.6   | -40.2 | 40.7 | 277 | 0.726 | 1.0   | 49.7  | -14.3 | -41.1 | 43.6  | 250  |     |       |     |      |      |       |       |      |     |
| 289.6      | 255.0      | 258.0      | 0.0             | 0.25                      | 1.0               | 32.8                       | 14.3              | -40.2                      | 42.7              | 289.6             | 0.0   | 0.25  | 1.0   | 32.9 | 14.4  | -40.1 | 42.7 | 289 | 0.613 | 1.0   | 46.1  | -8.6  | -40.8 | 41.9  | 258  |     |       |     |      |      |       |       |      |     |
| 299.0      | 262.5      | 264.8      | 0.0             | 0.125                     | 1.0               | 28.6                       | 22.4              | -40.2                      | 46.1              | 299.0             | 0.0   | 0.133 | 1.0   | 28.9 | 21.9  | -40.2 | 45.9 | 298 | 0.542 | 1.0   | 43.4  | -3.9  | -40.8 | 41.1  | 264  |     |       |     |      |      |       |       |      |     |
| 306.2      | 270.0      | 271.7      | 0.0             | 0.0                       | 1.0               | 25.0                       | 29.5              | -40.4                      | 50.0              | 306.2             | 0.0   | 0.0   | 1.0   | 25.1 | 29.6  | -40.3 | 50.1 | 306 | 0.479 | 1.0   | 41.0  | 0.0   | -40.6 | 40.7  | 270  | 0.0 | 0.458 | 1.0 | 40.3 | 1.2  | -40.6 | 40.7  | 271  |     |
| 314.7      | 277.5      | 278.8      | 0.125           | 0.0                       | 1.0               | 27.9                       | 36.0              | -36.4                      | 51.2              | 314.7             | 0.117 | 0.0   | 1.0   | 27.7 | 35.7  | -36.5 | 51.2 | 314 | 0.395 | 1.0   | 38.1  | 5.0   | -40.3 | 40.7  | 277  | 0.0 | 0.378 | 1.0 | 37.5 | 5.9  | -40.2 | 40.7  | 278  |     |
| 322.1      | 285.0      | 285.9      | 0.25            | 0.0                       | 1.0               | 28.8                       | 41.9              | -32.5                      | 53.1              | 322.1             | 0.25  | 0.0   | 1.0   | 28.9 | 42.0  | -32.5 | 53.2 | 322 | 0.303 | 1.0   | 34.8  | 10.8  | -40.3 | 41.9  | 285  | 0.0 | 0.292 | 1.0 | 34.4 | 11.6 | -40.3 | 42.0  | 285  |     |
| 333.3      | 292.5      | 293.0      | 0.375           | 0.0                       | 1.0               | 32.7                       | 51.8              | -26.0                      | 58.0              | 333.3             | 0.367 | 0.0   | 1.0   | 32.5 | 51.3  | -26.5 | 57.7 | 332 | 0.219 | 1.0   | 31.8  | 16.3  | -40.3 | 43.6  | 292  | 0.0 | 0.211 | 1.0 | 31.5 | 16.8 | -40.3 | 43.8  | 292  |     |
| 340.5      | 300.0      | 300.1      | 0.5             | 0.0                       | 1.0               | 35.6                       | 58.6              | -20.7                      | 62.1              | 340.5             | 0.5   | 0.0   | 1.0   | 35.6 | 58.6  | -20.6 | 62.2 | 340 | 0.109 | 1.0   | 28.2  | 23.3  | -40.3 | 46.6  | 300  | 0.0 | 0.106 | 1.0 | 28.1 | 23.5 | -40.3 | 46.7  | 300  |     |
| 347.9      | 307.5      | 307.2      | 0.625           | 0.0                       | 1.0               | 38.1                       | 65.4              | -14.0                      | 66.9              | 347.9             | 0.617 | 0.0   | 1.0   | 37.9 | 65.1  | -14.4 | 66.7 | 347 | 0.011 | 0.0   | 1.0   | 25.3  | 30.2  | -40.0 | 50.2 | 307 | 0.009 | 0.0 | 1.0  | 25.3 | 30.1  | -40.1 | 50.2 | 307 |
| 352.5      | 315.0      | 314.3      | 0.75            | 0.0                       | 1.0               | 41.8                       | 71.0              | -9.2                       | 71.6              | 352.5             | 0.75  | 0.0   | 1.0   | 41.8 | 71.0  | -9.2  | 71.6 | 352 | 0.13  | 0.0   | 1.0   | 27.9  | 36.3  | -36.2 | 51.3 | 315 | 0.12  | 0.0 | 1.0  | 27.8 | 35.8  | -36.5 | 51.2 | 315 |
| 356.1      | 322.5      | 321.4      | 0.875           | 0.0                       | 1.0               | 44.2                       | 75.2              | -5.0                       | 75.3              | 356.1             | 0.867 | 0.0   | 1.0   | 44.1 | 74.9  | -5.3  | 75.1 | 355 | 0.247 | 0.0   | 1.0   | 28.9  | 41.9  | -32.6 | 53.1 | 322 | 0.231 | 0.0 | 1.0  | 28.7 | 41.1  | -32.2 | 52.9 | 322 |
| 359.8      | 330.0      | 328.6      | 1.0             | 0.0                       | 1.0               | 46.1                       | 79.3              | -0.2                       | 79.3              | 359.8             | 1.0   | 0.0   | 1.0   | 46.1 | 79.3  | -0.1  | 79.3 | 359 | 0.337 | 0.0   | 1.0   | 31.6  | 49.0  | -28.2 | 56.6 | 330 | 0.322 | 0.0 | 1.0  | 31.1 | 47.8  |       |      |     |

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd64M}$ | $LAB^*_{dd64M}(x=LabCh)$ | $rgb^*_{dex361M}$ | $LAB^*_{dex361M}$ | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |       |       |        |       |       |      |       |       |      |     |  |  |  |
|------------|------------|------------|-----------------|--------------------------|-------------------|-------------------|--------------|--------------|--------------|-------|-------|--------|-------|-------|------|-------|-------|------|-----|--|--|--|
| 32.3       | 30.0       | 25.4       | 1.0             | 0.0                      | 0.0               | 45.4              | 70.9         | 44.8         | 83.9         | 32.3  | 32.3  | 1.0    | 0.0   | 0.255 | 45.7 | 72.2  | 34.4  | 80.0 | 25  |  |  |  |
| 38.1       | 37.5       | 33.8       | 1.0             | 0.125                    | 0.0               | 48.9              | 62.8         | 49.4         | 79.9         | 38.1  | 38.1  | 1.0    | 0.021 | 0.0   | 46.0 | 69.6  | 45.7  | 83.3 | 33  |  |  |  |
| 46.8       | 45.0       | 42.1       | 1.0             | 0.25                     | 0.0               | 53.6              | 51.9         | 55.5         | 76.0         | 46.8  | 46.8  | 1.0    | 0.183 | 0.0   | 51.1 | 57.9  | 52.5  | 78.1 | 42  |  |  |  |
| 56.9       | 52.5       | 50.5       | 1.0             | 0.375                    | 0.0               | 59.1              | 40.3         | 62.0         | 74.0         | 56.9  | 56.9  | 1.0    | 0.288 | 0.0   | 55.4 | 48.5  | 57.8  | 75.4 | 49  |  |  |  |
| 67.1       | 60.0       | 58.8       | 1.0             | 0.5                      | 0.0               | 64.9              | 28.9         | 68.6         | 74.5         | 67.1  | 67.1  | 1.0    | 0.398 | 0.0   | 60.3 | 38.3  | 63.5  | 74.1 | 58  |  |  |  |
| 78.6       | 67.5       | 67.2       | 1.0             | 0.625                    | 0.0               | 72.1              | 15.4         | 77.1         | 78.6         | 78.6  | 78.6  | 1.0    | 0.494 | 0.0   | 64.6 | 29.5  | 68.4  | 74.5 | 66  |  |  |  |
| 86.2       | 75.0       | 75.6       | 1.0             | 0.75                     | 0.0               | 77.9              | 5.4          | 83.8         | 84.0         | 86.2  | 86.2  | 1.0    | 0.592 | 0.0   | 70.2 | 19.3  | 75.2  | 77.6 | 75  |  |  |  |
| 92.1       | 82.5       | 83.9       | 1.0             | 0.875                    | 0.0               | 83.4              | -3.4         | 90.2         | 90.2         | 92.1  | 92.1  | 1.0    | 0.703 | 0.0   | 75.8 | 9.4   | 81.5  | 82.0 | 83  |  |  |  |
| 96.1       | 90.0       | 92.3       | 1.0             | 1.0                      | 0.0               | 87.8              | -10.2        | 95.4         | 96.0         | 96.1  | 96.1  | 1.0    | 0.879 | 0.0   | 83.6 | -3.6  | 90.4  | 90.5 | 92  |  |  |  |
| 98.8       | 97.5       | 101.0      | 0.875           | 1.0                      | 0.0               | 84.3              | -13.9        | 89.2         | 90.3         | 98.8  | 98.8  | 0.807  | 1.0   | 0.0   | 82.4 | -15.8 | 86.2  | 87.7 | 100 |  |  |  |
| 101.8      | 105.0      | 109.7      | 0.75            | 1.0                      | 0.0               | 80.7              | -17.5        | 83.5         | 85.3         | 101.8 | 101.8 | 0.583  | 1.0   | 0.0   | 73.7 | -26.1 | 72.7  | 77.3 | 109 |  |  |  |
| 107.6      | 112.5      | 118.5      | 0.625           | 1.0                      | 0.0               | 75.3              | -24.0        | 75.7         | 79.4         | 107.6 | 107.6 | 0.434  | 1.0   | 0.0   | 68.0 | -32.9 | 62.2  | 70.5 | 117 |  |  |  |
| 114.0      | 120.0      | 127.2      | 0.5             | 1.0                      | 0.0               | 70.6              | -29.7        | 66.5         | 72.8         | 114.0 | 114.0 | 0.322  | 1.0   | 0.0   | 62.6 | -40.8 | 53.8  | 67.6 | 127 |  |  |  |
| 121.4      | 127.5      | 136.0      | 0.375           | 1.0                      | 0.0               | 65.7              | -35.6        | 58.3         | 68.3         | 121.4 | 121.4 | 0.249  | 1.0   | 0.0   | 58.4 | -47.4 | 46.8  | 66.6 | 135 |  |  |  |
| 135.3      | 135.0      | 144.7      | 0.25            | 1.0                      | 0.0               | 58.4              | -47.3        | 46.8         | 66.6         | 135.3 | 135.3 | 0.122  | 1.0   | 0.0   | 54.6 | -54.2 | 38.4  | 66.5 | 144 |  |  |  |
| 144.4      | 142.5      | 153.4      | 0.125           | 1.0                      | 0.0               | 54.7              | -53.9        | 38.5         | 66.3         | 144.4 | 144.4 | 0.03   | 1.0   | 0.0   | 51.2 | -62.4 | 32.0  | 70.2 | 152 |  |  |  |
| 155.5      | 150.0      | 162.2      | 0.0             | 1.0                      | 0.0               | 50.0              | -65.0        | 29.6         | 71.4         | 155.5 | 155.5 | 0.0    | 1.0   | 0.151 | 50.7 | -62.0 | 19.9  | 65.2 | 162 |  |  |  |
| 160.7      | 157.5      | 169.0      | 0.0             | 1.0                      | 0.125             | 50.5              | -62.8        | 21.9         | 66.5         | 160.7 | 160.7 | 0.0    | 1.0   | 0.261 | 51.3 | -58.5 | 11.8  | 59.8 | 168 |  |  |  |
| 167.7      | 165.0      | 175.9      | 0.0             | 1.0                      | 0.25              | 51.2              | -58.9        | 12.7         | 60.3         | 167.7 | 167.7 | 0.0    | 1.0   | 0.364 | 52.0 | -55.0 | 3.9   | 55.2 | 175 |  |  |  |
| 176.7      | 172.5      | 182.7      | 0.0             | 1.0                      | 0.375             | 52.0              | -54.5        | 3.1          | 54.6         | 176.7 | 176.7 | 0.0    | 1.0   | 0.43  | 52.5 | -52.2 | -2.0  | 52.3 | 182 |  |  |  |
| 189.3      | 180.0      | 189.6      | 0.0             | 1.0                      | 0.5               | 52.9              | -48.6        | -8.0         | 49.3         | 189.3 | 189.3 | 0.0    | 1.0   | 0.502 | 53.0 | -48.5 | -8.1  | 49.3 | 189 |  |  |  |
| 203.2      | 187.5      | 196.4      | 0.0             | 1.0                      | 0.625             | 54.0              | -42.3        | -18.1        | 46.1         | 203.2 | 203.2 | 0.0    | 1.0   | 0.56  | 53.5 | -45.9 | -13.1 | 47.8 | 195 |  |  |  |
| 217.2      | 195.0      | 203.2      | 0.0             | 1.0                      | 0.75              | 55.0              | -36.0        | -27.4        | 45.3         | 217.2 | 217.2 | 0.0    | 1.0   | 0.626 | 54.1 | -42.3 | -18.1 | 46.1 | 203 |  |  |  |
| 228.3      | 202.5      | 210.1      | 0.0             | 1.0                      | 0.875             | 55.8              | -30.7        | -34.5        | 46.2         | 228.3 | 228.3 | 0.0    | 1.0   | 0.682 | 54.5 | -39.6 | -22.6 | 45.7 | 209 |  |  |  |
| 238.4      | 210.0      | 216.9      | 0.0             | 1.0                      | 1.0               | 56.8              | -25.5        | -41.5        | 48.7         | 238.4 | 238.4 | 0.0    | 1.0   | 0.747 | 55.0 | -36.1 | -27.2 | 45.3 | 216 |  |  |  |
| 242.9      | 217.5      | 223.8      | 0.0             | 0.875                    | 1.0               | 54.1              | -21.1        | -41.3        | 46.4         | 242.9 | 242.9 | 0.0    | 1.0   | 0.819 | 55.5 | -33.2 | -31.3 | 45.8 | 223 |  |  |  |
| 249.3      | 225.0      | 230.6      | 0.0             | 0.75                     | 1.0               | 50.4              | -15.5        | -41.1        | 43.9         | 249.3 | 249.3 | 0.0    | 1.0   | 0.904 | 56.1 | -29.6 | -36.1 | 46.8 | 230 |  |  |  |
| 256.9      | 232.5      | 237.5      | 0.0             | 0.625                    | 1.0               | 46.5              | -9.4         | -40.8        | 41.9         | 256.9 | 256.9 | 0.0    | 1.0   | 0.983 | 56.7 | -26.2 | -40.5 | 48.4 | 237 |  |  |  |
| 268.2      | 240.0      | 244.3      | 0.0             | 0.5                      | 1.0               | 41.7              | -1.2         | -40.6        | 40.6         | 268.2 | 268.2 | 0.0    | 0.847 | 1.0   | 53.3 | -19.8 | -41.3 | 45.9 | 244 |  |  |  |
| 278.6      | 247.5      | 251.2      | 0.0             | 0.375                    | 1.0               | 37.3              | 6.1          | -40.2        | 40.7         | 278.6 | 278.6 | 0.0    | 0.726 | 1.0   | 49.7 | -14.3 | -41.1 | 43.6 | 250 |  |  |  |
| 289.6      | 255.0      | 258.0      | 0.0             | 0.25                     | 1.0               | 32.8              | 14.3         | -40.2        | 42.7         | 289.6 | 289.6 | 0.0    | 0.613 | 1.0   | 46.1 | -8.6  | -40.8 | 41.9 | 258 |  |  |  |
| 299.0      | 262.5      | 264.8      | 0.0             | 0.125                    | 1.0               | 28.6              | 22.4         | -40.2        | 46.1         | 299.0 | 299.0 | 0.0    | 0.542 | 1.0   | 43.4 | -3.9  | -40.8 | 41.1 | 264 |  |  |  |
| 306.2      | 270.0      | 271.7      | 0.0             | 0.0                      | 1.0               | 25.0              | 29.5         | -40.4        | 50.0         | 306.2 | 306.2 | 0.0    | 0.458 | 1.0   | 40.3 | 1.2   | -40.6 | 40.7 | 271 |  |  |  |
| 314.7      | 277.5      | 278.8      | 0.125           | 0.0                      | 1.0               | 27.9              | 36.0         | -36.4        | 51.2         | 314.7 | 314.7 | 0.0    | 0.378 | 1.0   | 37.5 | 5.9   | -40.2 | 40.7 | 278 |  |  |  |
| 322.1      | 285.0      | 285.9      | 0.25            | 0.0                      | 1.0               | 28.8              | 41.9         | -32.5        | 53.1         | 322.1 | 322.1 | 0.0    | 0.292 | 1.0   | 34.4 | 11.6  | -40.3 | 42.0 | 285 |  |  |  |
| 333.3      | 292.5      | 293.0      | 0.375           | 0.0                      | 1.0               | 32.7              | 51.8         | -26.0        | 58.0         | 333.3 | 333.3 | 0.0    | 0.211 | 1.0   | 31.5 | 16.8  | -40.3 | 43.8 | 292 |  |  |  |
| 340.5      | 300.0      | 300.1      | 0.5             | 0.0                      | 1.0               | 35.6              | 58.6         | -20.7        | 62.1         | 340.5 | 340.5 | 0.0    | 0.106 | 1.0   | 28.1 | 23.5  | -40.3 | 46.7 | 300 |  |  |  |
| 347.9      | 307.5      | 307.2      | 0.625           | 0.0                      | 1.0               | 38.1              | 65.4         | -14.0        | 66.9         | 347.9 | 347.9 | 0.009  | 0.0   | 1.0   | 25.3 | 30.1  | -40.1 | 50.2 | 306 |  |  |  |
| 352.5      | 315.0      | 314.3      | 0.75            | 0.0                      | 1.0               | 41.8              | 71.0         | -9.2         | 71.6         | 352.5 | 352.5 | 0.012  | 0.0   | 1.0   | 27.8 | 35.8  | -36.5 | 51.2 | 314 |  |  |  |
| 356.1      | 322.5      | 321.4      | 0.875           | 0.0                      | 1.0               | 44.2              | 75.2         | -5.0         | 75.3         | 356.1 | 356.1 | 0.0231 | 0.0   | 1.0   | 28.7 | 41.1  | -33.2 | 52.9 | 321 |  |  |  |
| 359.8      | 330.0      | 328.6      | 1.0             | 0.0                      | 1.0               | 46.1              | 79.3         | -0.2         | 79.3         | 359.8 | 359.8 | 0.322  | 0.0   | 1.0   | 31.1 | 47.8  | -29.1 | 56.0 | 328 |  |  |  |
| 363.0      | 337.5      | 335.7      | 1.0             | 0.0                      | 0.875             | 45.9              | 78.2         | 4.1          | 78.3         | 363.0 | 363.0 | 0.408  | 0.0   | 1.0   | 33.5 | 53.7  | -24.7 | 59.1 | 335 |  |  |  |
| 366.4      | 345.0      | 342.8      | 1.0             | 0.0                      | 0.75              | 45.9              | 77.1         | 8.6          | 77.6         | 366.4 | 366.4 | 0.539  | 0.0   | 1.0   | 36.4 | 60.8  | -18.7 | 63.7 | 342 |  |  |  |
| 371.1      | 352.5      | 349.9      | 1.0             | 0.0                      | 0.625             | 46.0              | 75.6         | 14.8         | 77.0         | 371.1 | 371.1 | 0.667  | 0.0   | 1.0   | 39.3 | 67.4  | -12.4 | 68.5 | 349 |  |  |  |
| 375.9      | 360.0      | 357.0      | 1.0             | 0.0                      | 0.5               | 45.9              | 74.2         | 21.1         | 77.1         | 375.9 | 375.9 | 0.736  | 0.0   | 1.0   | 41.4 | 70.5  | -9.7  | 71.1 | 352 |  |  |  |
| 381.2      | 367.5      | 364.1      | 1.0             | 0.0                      | 0.375             | 45.8              | 72.9         | 28.3         | 78.3         | 381.2 | 381.2 | 0.810  | 0.0   | 1.0   | 46.1 | 79.3  | -0.1  | 79.3 | 359 |  |  |  |
| 385.6      | 375.0      | 371.2      | 1.0             | 0.0                      | 0.25              | 45.6              | 72.1         | 34.6         | 80.0         | 385.6 | 385.6 | 0.9    | 0.0   | 0.687 | 46.0 | 76.5  | 11.8  | 77.4 | 368 |  |  |  |
| 389.3      | 382.5      | 378.3      | 1.0             | 0.0                      | 0.125             | 45.5              | 71.4         | 40.1         | 81.9         | 389.3 | 389.3 | 0.959  | 0.0   | 0.485 | 45.9 | 74.1  | 22.0  | 77.3 | 376 |  |  |  |
| 392.3      | 390.0      | 385.4      | 1.0             | 0.0                      | 0.0               | 45.4              | 70.9         | 44.8         | 83.9         | 392.3 | 392.3 | 1.0    | 0.0   | 0.255 | 45.7 | 72.2  | 34.4  | 80.0 | 385 |  |  |  |

4-003831-L0 QI970-70 LAB\*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
cerchio delle tinte a 48 passi;  $rgb-LabCh^*$  tavole

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$

uscita: Offset standard print; separation cmy0\*, D65, pagina 9/33

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione cmy0 (CMY0)  
TUB materiale: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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>:  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours RYGBM<sub>e</sub>:  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours $RYGCBM_d$ : $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours $RYGCBM_e$ : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                              |       |                                      |                              |               |                                      |                   |                              |       |                   |              |              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|------------------------------|-------|--------------------------------------|------------------------------|---------------|--------------------------------------|-------------------|------------------------------|-------|-------------------|--------------|--------------|
| $h_{ab,d}$                                                                                                                                                                                                        | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{ddx361Mi} (x=LabCh)$ | $R_d$ | $rgb^*_{ds361Mi}$                    | $LAB^*_{dsx361Mi} (x=LabCh)$ | $R_s$         | $rgb^*_{dd361Mi}$                    | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi} (x=LabCh)$ | $R_e$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 32                                                                                                                                                                                                                | 30         | 25         | 1.0 0.0 0.0      | 45.4 70.9 44.8 83.9 32       | 1.0   | 1.0 0.0 0.096 45.5 71.4 41.2 82.4 30 | 1.0                          | 1.0 0.0 0.0   | 1.0 0.0 0.255 45.7 72.2 34.4 80.0 25 | 1.0               | 1.0 0.0 0.0                  |       |                   |              |              |
| 33                                                                                                                                                                                                                | 31         | 26         | 1.0 0.016 0.0    | 45.9 69.8 45.5 83.4 33       | 1.0   | 1.0 0.0 0.055 45.5 71.2 42.8 83.1 31 | 1.0                          | 1.0 0.017 0.0 | 1.0 0.0 0.218 45.6 72.0 36.1 80.6 26 | 1.0               | 1.0 0.017 0.0                |       |                   |              |              |
| 33                                                                                                                                                                                                                | 32         | 27         | 1.0 0.033 0.0    | 46.3 68.8 46.1 82.8 33       | 1.0   | 1.0 0.0 0.013 45.5 71.0 44.4 83.7 32 | 1.0                          | 1.0 0.033 0.0 | 1.0 0.0 0.18 45.6 71.8 37.7 81.1 27  | 1.0               | 1.0 0.033 0.0                |       |                   |              |              |
| 34                                                                                                                                                                                                                | 33         | 28         | 1.0 0.05 0.0     | 46.8 67.7 46.8 82.3 34       | 1.0   | 1.0 0.015 0.0 45.9 70.0 45.5 83.5 33 | 1.0                          | 1.0 0.05 0.0  | 1.0 0.0 0.142 45.6 71.6 39.4 81.7 28 | 1.0               | 1.0 0.05 0.0                 |       |                   |              |              |
| 35                                                                                                                                                                                                                | 34         | 29         | 1.0 0.066 0.0    | 47.3 66.6 47.4 81.8 35       | 1.0   | 1.0 0.036 0.0 46.5 68.6 46.3 82.8 34 | 1.0                          | 1.0 0.067 0.0 | 1.0 0.0 0.099 45.5 71.4 41.1 82.4 29 | 1.0               | 1.0 0.067 0.0                |       |                   |              |              |
| 36                                                                                                                                                                                                                | 35         | 31         | 1.0 0.083 0.0    | 47.7 65.5 48.0 81.2 36       | 1.0   | 1.0 0.057 0.0 47.1 67.3 47.1 82.1 35 | 1.0                          | 1.0 0.083 0.0 | 1.0 0.0 0.053 45.5 71.2 42.9 83.1 31 | 1.0               | 1.0 0.083 0.0                |       |                   |              |              |
| 36                                                                                                                                                                                                                | 36         | 32         | 1.0 0.1 0.0      | 48.2 64.4 48.5 80.7 36       | 1.0   | 1.0 0.079 0.0 47.6 65.9 47.9 81.4 36 | 1.0                          | 1.0 0.1 0.0   | 1.0 0.0 0.006 45.5 71.0 44.6 83.8 32 | 1.0               | 1.0 0.1 0.0                  |       |                   |              |              |
| 37                                                                                                                                                                                                                | 37         | 33         | 1.0 0.116 0.0    | 48.6 63.3 49.1 80.2 37       | 1.0   | 1.0 0.1 0.0 48.2 64.5 48.6 80.7 37   | 1.0                          | 1.0 0.117 0.0 | 1.0 0.021 0.0 46.0 69.6 45.7 83.3 33 | 1.0               | 1.0 0.117 0.0                |       |                   |              |              |
| 38                                                                                                                                                                                                                | 38         | 34         | 1.0 0.133 0.0    | 49.2 62.1 49.8 79.6 38       | 1.0   | 1.0 0.121 0.0 48.8 63.1 49.3 80.1 38 | 1.0                          | 1.0 0.133 0.0 | 1.0 0.044 0.0 46.7 68.1 46.6 82.5 34 | 1.0               | 1.0 0.133 0.0                |       |                   |              |              |
| 39                                                                                                                                                                                                                | 39         | 35         | 1.0 0.15 0.0     | 49.8 60.7 50.7 79.1 39       | 1.0   | 1.0 0.137 0.0 49.4 61.8 50.1 79.6 39 | 1.0                          | 1.0 0.15 0.0  | 1.0 0.068 0.0 47.4 66.6 47.5 81.8 35 | 1.0               | 1.0 0.15 0.0                 |       |                   |              |              |
| 41                                                                                                                                                                                                                | 40         | 36         | 1.0 0.166 0.0    | 50.5 59.2 51.6 78.6 41       | 1.0   | 1.0 0.151 0.0 49.9 60.6 50.9 79.1 40 | 1.0                          | 1.0 0.167 0.0 | 1.0 0.092 0.0 48.0 65.0 48.3 81.0 36 | 1.0               | 1.0 0.167 0.0                |       |                   |              |              |
| 42                                                                                                                                                                                                                | 41         | 37         | 1.0 0.183 0.0    | 51.1 57.8 52.5 78.1 42       | 1.0   | 1.0 0.166 0.0 50.5 59.4 51.6 78.7 41 | 1.0                          | 1.0 0.183 0.0 | 1.0 0.116 0.0 48.7 63.5 49.1 80.2 37 | 1.0               | 1.0 0.183 0.0                |       |                   |              |              |
| 43                                                                                                                                                                                                                | 42         | 38         | 1.0 0.2 0.0      | 51.7 56.3 53.3 77.5 43       | 1.0   | 1.0 0.18 0.0 51.0 58.1 52.3 78.2 42  | 1.0                          | 1.0 0.2 0.0   | 1.0 0.135 0.0 49.3 62.0 49.9 79.6 38 | 1.0               | 1.0 0.2 0.0                  |       |                   |              |              |
| 44                                                                                                                                                                                                                | 43         | 39         | 1.0 0.216 0.0    | 52.4 54.9 54.0 77.0 44       | 1.0   | 1.0 0.194 0.0 51.6 56.9 53.0 77.8 43 | 1.0                          | 1.0 0.217 0.0 | 1.0 0.151 0.0 49.9 60.7 50.8 79.1 39 | 1.0               | 1.0 0.217 0.0                |       |                   |              |              |
| 45                                                                                                                                                                                                                | 44         | 41         | 1.0 0.233 0.0    | 53.0 53.4 54.8 76.5 45       | 1.0   | 1.0 0.209 0.0 52.1 55.6 53.7 77.3 44 | 1.0                          | 1.0 0.233 0.0 | 1.0 0.167 0.0 50.5 59.3 51.7 78.6 41 | 1.0               | 1.0 0.233 0.0                |       |                   |              |              |
| 46                                                                                                                                                                                                                | 45         | 42         | 1.0 0.25 0.0     | 53.6 51.9 55.5 76.0 46       | 1.0   | 1.0 0.223 0.0 52.7 54.4 54.4 76.9 45 | 1.0                          | 1.0 0.25 0.0  | 1.0 0.183 0.0 51.1 57.9 52.5 78.1 42 | 1.0               | 1.0 0.25 0.0                 |       |                   |              |              |
| 48                                                                                                                                                                                                                | 46         | 43         | 1.0 0.266 0.0    | 54.4 50.4 56.5 75.7 48       | 1.0   | 1.0 0.237 0.0 53.2 53.1 55.0 76.4 46 | 1.0                          | 1.0 0.267 0.0 | 1.0 0.198 0.0 51.7 56.5 53.2 77.6 43 | 1.0               | 1.0 0.267 0.0                |       |                   |              |              |
| 49                                                                                                                                                                                                                | 47         | 44         | 1.0 0.283 0.0    | 55.1 48.9 57.4 75.4 49       | 1.0   | 1.0 0.251 0.0 53.7 51.8 55.6 76.0 47 | 1.0                          | 1.0 0.283 0.0 | 1.0 0.214 0.0 52.3 55.1 54.0 77.1 44 | 1.0               | 1.0 0.283 0.0                |       |                   |              |              |
| 50                                                                                                                                                                                                                | 48         | 45         | 1.0 0.3 0.0      | 55.8 47.4 58.4 75.2 50       | 1.0   | 1.0 0.264 0.0 54.3 50.7 56.3 75.8 48 | 1.0                          | 1.0 0.3 0.0   | 1.0 0.23 0.0 52.9 53.7 54.7 76.6 45  | 1.0               | 1.0 0.3 0.0                  |       |                   |              |              |
| 52                                                                                                                                                                                                                | 49         | 46         | 1.0 0.316 0.0    | 56.6 45.8 59.2 74.9 52       | 1.0   | 1.0 0.276 0.0 54.8 49.6 57.1 75.6 49 | 1.0                          | 1.0 0.317 0.0 | 1.0 0.246 0.0 53.5 52.3 55.4 76.1 46 | 1.0               | 1.0 0.317 0.0                |       |                   |              |              |
| 53                                                                                                                                                                                                                | 50         | 47         | 1.0 0.333 0.0    | 57.3 44.2 60.1 74.6 53       | 1.0   | 1.0 0.288 0.0 55.4 48.5 57.8 75.4 50 | 1.0                          | 1.0 0.333 0.0 | 1.0 0.261 0.0 54.2 51.0 56.2 75.9 47 | 1.0               | 1.0 0.333 0.0                |       |                   |              |              |
| 54                                                                                                                                                                                                                | 51         | 48         | 1.0 0.35 0.0     | 58.0 42.7 60.9 74.4 54       | 1.0   | 1.0 0.301 0.0 55.9 47.3 58.5 75.2 51 | 1.0                          | 1.0 0.35 0.0  | 1.0 0.274 0.0 54.8 49.8 57.0 75.6 48 | 1.0               | 1.0 0.35 0.0                 |       |                   |              |              |
| 56                                                                                                                                                                                                                | 52         | 49         | 1.0 0.366 0.0    | 58.8 41.1 61.7 74.1 56       | 1.0   | 1.0 0.313 0.0 56.5 46.2 59.1 75.0 52 | 1.0                          | 1.0 0.367 0.0 | 1.0 0.288 0.0 55.4 48.5 57.8 75.4 49 | 1.0               | 1.0 0.367 0.0                |       |                   |              |              |
| 57                                                                                                                                                                                                                | 53         | 51         | 1.0 0.383 0.0    | 59.5 39.5 62.5 74.0 57       | 1.0   | 1.0 0.326 0.0 57.0 45.0 59.8 74.8 53 | 1.0                          | 1.0 0.383 0.0 | 1.0 0.302 0.0 56.0 47.2 58.5 75.2 51 | 1.0               | 1.0 0.383 0.0                |       |                   |              |              |
| 59                                                                                                                                                                                                                | 54         | 52         | 1.0 0.4 0.0      | 60.3 38.1 63.5 74.1 59       | 1.0   | 1.0 0.338 0.0 57.6 43.9 60.4 74.6 54 | 1.0                          | 1.0 0.4 0.0   | 1.0 0.316 0.0 56.6 45.9 59.3 75.0 52 | 1.0               | 1.0 0.4 0.0                  |       |                   |              |              |
| 60                                                                                                                                                                                                                | 55         | 53         | 1.0 0.416 0.0    | 61.0 36.6 64.5 74.1 60       | 1.0   | 1.0 0.35 0.0 58.1 42.7 61.0 74.4 55  | 1.0                          | 1.0 0.417 0.0 | 1.0 0.33 0.0 57.2 44.6 60.0 74.8 53  | 1.0               | 1.0 0.417 0.0                |       |                   |              |              |
| 61                                                                                                                                                                                                                | 56         | 54         | 1.0 0.433 0.0    | 61.8 35.1 65.4 74.2 61       | 1.0   | 1.0 0.363 0.0 58.6 41.5 61.5 74.2 56 | 1.0                          | 1.0 0.433 0.0 | 1.0 0.343 0.0 57.8 43.3 60.6 74.5 54 | 1.0               | 1.0 0.433 0.0                |       |                   |              |              |
| 63                                                                                                                                                                                                                | 57         | 55         | 1.0 0.45 0.0     | 62.6 33.6 66.2 74.3 63       | 1.0   | 1.0 0.375 0.0 59.2 40.3 62.1 74.0 57 | 1.0                          | 1.0 0.45 0.0  | 1.0 0.357 0.0 58.4 42.0 61.3 74.3 55 | 1.0               | 1.0 0.45 0.0                 |       |                   |              |              |
| 64                                                                                                                                                                                                                | 58         | 56         | 1.0 0.466 0.0    | 63.3 32.0 67.1 74.4 64       | 1.0   | 1.0 0.387 0.0 59.8 39.3 62.8 74.1 58 | 1.0                          | 1.0 0.467 0.0 | 1.0 0.371 0.0 59.0 40.7 61.9 74.1 56 | 1.0               | 1.0 0.467 0.0                |       |                   |              |              |
| 65                                                                                                                                                                                                                | 59         | 57         | 1.0 0.483 0.0    | 64.1 30.5 67.9 74.4 65       | 1.0   | 1.0 0.4 0.0 60.3 38.2 63.5 74.1 59   | 1.0                          | 1.0 0.483 0.0 | 1.0 0.385 0.0 59.6 39.5 62.7 74.1 57 | 1.0               | 1.0 0.483 0.0                |       |                   |              |              |
| 67                                                                                                                                                                                                                | 60         | 58         | 1.0 0.5 0.0      | 64.9 28.9 68.6 74.5 67       | 1.0   | 1.0 0.412 0.0 60.9 37.1 64.2 74.2 60 | 1.0                          | 1.0 0.5 0.0   | 1.0 0.398 0.0 60.3 38.3 63.5 74.1 58 | 1.0               | 1.0 0.5 0.0                  |       |                   |              |              |
| 68                                                                                                                                                                                                                | 61         | 60         | 1.0 0.516 0.0    | 65.8 27.2 69.9 75.0 68       | 1.0   | 1.0 0.424 0.0 61.4 36.0 64.9 74.2 61 | 1.0                          | 1.0 0.517 0.0 | 1.0 0.412 0.0 60.9 37.1 64.2 74.2 60 | 1.0               | 1.0 0.517 0.0                |       |                   |              |              |
| 70                                                                                                                                                                                                                | 62         | 61         | 1.0 0.533 0.0    | 66.8 25.5 71.1 75.6 70       | 1.0   | 1.0 0.436 0.0 62.0 34.9 65.6 74.3 62 | 1.0                          | 1.0 0.533 0.0 | 1.0 0.426 0.0 61.5 35.8 65.0 74.2 61 | 1.0               | 1.0 0.533 0.0                |       |                   |              |              |
| 71                                                                                                                                                                                                                | 63         | 62         | 1.0 0.55 0.0     | 67.7 23.8 72.3 76.1 71       | 1.0   | 1.0 0.449 0.0 62.6 33.7 66.2 74.3 63 | 1.0                          | 1.0 0.55 0.0  | 1.0 0.439 0.0 62.1 34.6 65.7 74.3 62 | 1.0               | 1.0 0.55 0.0                 |       |                   |              |              |
| 73                                                                                                                                                                                                                | 64         | 63         | 1.0 0.566 0.0    | 68.7 22.0 73.5 76.7 73       | 1.0   | 1.0 0.461 0.0 63.1 32.6 66.9 74.4 64 | 1.0                          | 1.0 0.567 0.0 | 1.0 0.453 0.0 62.8 33.3 66.4 74.3 63 | 1.0               | 1.0 0.567 0.0                |       |                   |              |              |
| 74                                                                                                                                                                                                                | 65         | 64         | 1.0 0.583 0.0    | 69.7 20.2 74.6 77.3 74       | 1.0   | 1.0 0.473 0.0 63.7 31.5 67.5 74.4 65 | 1.0                          | 1.0 0.583 0.0 | 1.0 0.467 0.0 63.4 32.1 67.1 74.4 64 | 1.0               | 1.0 0.583 0.0                |       |                   |              |              |
| 76                                                                                                                                                                                                                | 66         | 65         | 1.0 0.6 0.0      | 70.6 18.3 75.6 77.8 76       | 1.0   | 1.0 0.486 0.0 64.2 30.3 68.0 74.5 66 | 1.0                          | 1.0 0.6 0.0   | 1.0 0.48 0.0 64.0 30.8 67.8 74.5 65  | 1.0               | 1.0 0.6 0.0                  |       |                   |              |              |
| 77                                                                                                                                                                                                                | 67         | 66         | 1.0 0.616 0.0    | 71.6 16.4 76.6 78.4 77       | 1.0   | 1.0 0.498 0.0 64.8 29.1 68.6 74.5 67 | 1.0                          | 1.0 0.617 0.0 | 1.0 0.494 0.0 64.6 29.5 68.4 74.5 66 | 1.0               | 1.0 0.617 0.0                |       |                   |              |              |
| 79                                                                                                                                                                                                                | 68         | 67         | 1.0 0.633 0.0    | 72.5 14.8 77.6 79.0 79       | 1.0   | 1.0 0.509 0.0 65.4 28.0 69.4 74.8 68 | 1.0                          | 1.0 0.633 0.0 | 1.0 0.507 0.0 65.3 28.2 69.2 74.8 67 | 1.0               | 1.0 0.633 0.0                |       |                   |              |              |
| 80                                                                                                                                                                                                                | 69         | 68         | 1.0 0.65 0.0     | 73.2 13.6 78.5 79.7 80       | 1.0   | 1.0 0.52 0.0 66.1 26.9 70.2 75.2 69  | 1.0                          | 1.0 0.65 0.0  | 1.0 0.519 0.0 66.0 27.0 70.1 75.2 68 | 1.0               | 1.0 0.65 0.0                 |       |                   |              |              |
| 81                                                                                                                                                                                                                | 70         | 70         | 1.0 0.666 0.0    | 74.0 12.3 79.5 80.4 81       | 1.0   | 1.0 0.531 0.0 66.7 25.8 71.0 75.6 70 | 1.0                          | 1.0 0.667 0.0 | 1.0 0.531 0.0 66.7 25.8 71.0 75.6 70 | 1.0               | 1.0 0.667 0.0                |       |                   |              |              |
| 82                                                                                                                                                                                                                | 71         | 71         | 1.0 0.683 0.0    | 74.8 11.0 80.4 81.1 82       | 1.0   | 1.0 0.542 0.0 67.3 24.7 71.8 75.9 71 | 1.0                          | 1.0 0.683 0.0 | 1.0 0.543 0.0 67.4 24.6 71.9 76.0 71 | 1.0               | 1.0 0.683 0.0                |       |                   |              |              |
| 83                                                                                                                                                                                                                | 72         | 72         | 1.0 0.7 0.0      | 75.6 9.6 81.3 81.9 83        | 1.0   | 1.0 0.553 0.0 67.9 23.6 72.6 76.3 72 | 1.0                          | 1.0 0.7 0.0   | 1.0 0.555 0.0 68.1 23.3 72.8 76.4 72 | 1.0               | 1.0 0.7 0.0                  |       |                   |              |              |
| 84                                                                                                                                                                                                                | 73         | 73         | 1.0 0.716 0.0    | 76.3 8.3 82.2 82.6 84        | 1.0   | 1.0 0.564 0.0 68.6 22.4 73.3 76.6 73 | 1.0                          | 1.0 0.717 0.0 | 1.0 0.568 0.0 68.8 22.0 73.6 76.8 73 | 1.0               | 1.0 0.717 0.0                |       |                   |              |              |
| 85                                                                                                                                                                                                                | 74         | 74         | 1.0 0.733 0.0    | 77.1 6.9 83.0 83.3 85        | 1.0   | 1.0 0.574 0.0 69.2 21.2 74.0 77.0 74 | 1.0                          | 1.0 0.733 0.0 | 1.0 0.58 0.0 69.5 20.6 74.4 77.2 74  | 1.0               | 1.0 0.733 0.0                |       |                   |              |              |
| 86                                                                                                                                                                                                                | 75         | 75         | 1.0 0.75 0.0     | 77.9 5.4 83.8 84.0 86        | 1.0   | 1.0 0.585 0.0 69.8 20.0 74.7 77.4 75 | 1.0                          | 1.0 0.75 0.0  | 1.0 0.592 0.0 70.2 19.3 75.2 77.6 75 | 1.0               | 1.0 0.75 0.0                 |       |                   |              |              |

4-003931-L0

QI970-70

LAB\*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

uscita: Offset standard print; separation cmy0\*, D65, pagina 10/33

grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
cerchio delle tinte a 48 passi;  $rgb-LabCh^*$ tavole

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$

4-003931-F0

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione cmy0 (CMY0)

TUB materiale: code=rha4ta

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours RY <sub>6</sub> GBM <sub>d</sub> : $h_{ab,d}$ = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8; Six hue angles of the elementary colours RY <sub>6</sub> GBM <sub>e</sub> : $h_{ab,e}$ = 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) | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{dd}$  | $rgb^*_{ds}$ | $rgb^*_{de}$ |
| 86                                                                                                                                                                                                                                                           | 75         | 75         | 1.0              | 0.75 0.0                    | 77.9              | 5.4                          | 83.8              | 84.0              | 86                           | 1.0               | 0.75 0.0      |              |              |
| 87                                                                                                                                                                                                                                                           | 76         | 76         | 1.0              | 0.766 0.0                   | 78.6              | 4.3                          | 84.7              | 84.8              | 87                           | 1.0               | 0.767 0.0     |              |              |
| 87                                                                                                                                                                                                                                                           | 77         | 77         | 1.0              | 0.783 0.0                   | 79.4              | 3.2                          | 85.6              | 85.7              | 87                           | 1.0               | 0.783 0.0     |              |              |
| 88                                                                                                                                                                                                                                                           | 78         | 78         | 1.0              | 0.8 0.0                     | 80.1              | 2.0                          | 86.5              | 86.5              | 88                           | 1.0               | 0.8 0.0       |              |              |
| 89                                                                                                                                                                                                                                                           | 79         | 80         | 1.0              | 0.816 0.0                   | 80.8              | 0.8                          | 87.3              | 87.3              | 89                           | 1.0               | 0.817 0.0     |              |              |
| 90                                                                                                                                                                                                                                                           | 80         | 81         | 1.0              | 0.833 0.0                   | 81.6              | -0.3                         | 88.2              | 88.2              | 90                           | 1.0               | 0.833 0.0     |              |              |
| 91                                                                                                                                                                                                                                                           | 81         | 82         | 1.0              | 0.85 0.0                    | 82.3              | -1.5                         | 89.0              | 89.0              | 91                           | 1.0               | 0.85 0.0      |              |              |
| 91                                                                                                                                                                                                                                                           | 82         | 83         | 1.0              | 0.866 0.0                   | 83.1              | -2.8                         | 89.8              | 89.8              | 91                           | 1.0               | 0.867 0.0     |              |              |
| 92                                                                                                                                                                                                                                                           | 83         | 84         | 1.0              | 0.883 0.0                   | 83.7              | -3.8                         | 90.5              | 90.6              | 92                           | 1.0               | 0.883 0.0     |              |              |
| 92                                                                                                                                                                                                                                                           | 84         | 85         | 1.0              | 0.9 0.0                     | 84.3              | -4.7                         | 91.3              | 91.4              | 92                           | 1.0               | 0.9 0.0       |              |              |
| 93                                                                                                                                                                                                                                                           | 85         | 86         | 1.0              | 0.916 0.0                   | 84.9              | -5.6                         | 92.0              | 92.2              | 93                           | 1.0               | 0.917 0.0     |              |              |
| 94                                                                                                                                                                                                                                                           | 86         | 87         | 1.0              | 0.933 0.0                   | 85.5              | -6.5                         | 92.7              | 92.9              | 94                           | 1.0               | 0.933 0.0     |              |              |
| 94                                                                                                                                                                                                                                                           | 87         | 88         | 1.0              | 0.95 0.0                    | 86.0              | -7.4                         | 93.4              | 93.7              | 94                           | 1.0               | 0.95 0.0      |              |              |
| 95                                                                                                                                                                                                                                                           | 88         | 90         | 1.0              | 0.966 0.0                   | 86.6              | -8.3                         | 94.1              | 94.5              | 95                           | 1.0               | 0.967 0.0     |              |              |
| 95                                                                                                                                                                                                                                                           | 89         | 91         | 1.0              | 0.983 0.0                   | 87.2              | -9.2                         | 94.8              | 95.2              | 95                           | 1.0               | 0.983 0.0     |              |              |
| 96                                                                                                                                                                                                                                                           | 90         | 92         | 1.0              | 1.0 0.0                     | 87.8              | -10.2                        | 95.4              | 96.0              | 96                           | 1.0               | 1.0 0.0       |              |              |
| 96                                                                                                                                                                                                                                                           | 91         | 93         | 0.983            | 1.0 0.0                     | 87.3              | -10.7                        | 94.6              | 95.2              | 96                           | 1.0               | 0.983 1.0 0.0 |              |              |
| 96                                                                                                                                                                                                                                                           | 92         | 94         | 0.966            | 1.0 0.0                     | 86.8              | -11.2                        | 93.8              | 94.5              | 96                           | 1.0               | 0.967 1.0 0.0 |              |              |
| 97                                                                                                                                                                                                                                                           | 93         | 95         | 0.95             | 1.0 0.0                     | 86.4              | -11.7                        | 93.0              | 93.7              | 97                           | 1.0               | 0.95 1.0 0.0  |              |              |
| 97                                                                                                                                                                                                                                                           | 94         | 96         | 0.933            | 1.0 0.0                     | 85.9              | -12.2                        | 92.2              | 93.0              | 97                           | 1.0               | 0.933 1.0 0.0 |              |              |
| 97                                                                                                                                                                                                                                                           | 95         | 98         | 0.916            | 1.0 0.0                     | 85.5              | -12.7                        | 91.3              | 92.2              | 97                           | 1.0               | 0.917 1.0 0.0 |              |              |
| 98                                                                                                                                                                                                                                                           | 96         | 99         | 0.9              | 1.0 0.0                     | 85.0              | -13.2                        | 90.5              | 91.5              | 98                           | 1.0               | 0.9 1.0 0.0   |              |              |
| 98                                                                                                                                                                                                                                                           | 97         | 100        | 0.883            | 1.0 0.0                     | 84.5              | -13.6                        | 89.7              | 90.7              | 98                           | 1.0               | 0.883 1.0 0.0 |              |              |
| 99                                                                                                                                                                                                                                                           | 98         | 101        | 0.866            | 1.0 0.0                     | 84.1              | -14.1                        | 88.9              | 90.0              | 99                           | 1.0               | 0.867 1.0 0.0 |              |              |
| 99                                                                                                                                                                                                                                                           | 99         | 102        | 0.85             | 1.0 0.0                     | 83.6              | -14.6                        | 88.1              | 89.3              | 99                           | 1.0               | 0.85 1.0 0.0  |              |              |
| 99                                                                                                                                                                                                                                                           | 100        | 103        | 0.833            | 1.0 0.0                     | 83.1              | -15.1                        | 87.4              | 88.7              | 99                           | 1.0               | 0.833 1.0 0.0 |              |              |
| 100                                                                                                                                                                                                                                                          | 101        | 105        | 0.816            | 1.0 0.0                     | 82.6              | -15.6                        | 86.6              | 88.0              | 100                          | 1.0               | 0.817 1.0 0.0 |              |              |
| 100                                                                                                                                                                                                                                                          | 102        | 106        | 0.8              | 1.0 0.0                     | 82.2              | -16.1                        | 85.8              | 87.3              | 100                          | 1.0               | 0.8 1.0 0.0   |              |              |
| 101                                                                                                                                                                                                                                                          | 103        | 107        | 0.783            | 1.0 0.0                     | 81.7              | -16.6                        | 85.1              | 86.7              | 101                          | 1.0               | 0.783 1.0 0.0 |              |              |
| 101                                                                                                                                                                                                                                                          | 104        | 108        | 0.766            | 1.0 0.0                     | 81.2              | -17.0                        | 84.3              | 86.0              | 101                          | 1.0               | 0.767 1.0 0.0 |              |              |
| 101                                                                                                                                                                                                                                                          | 105        | 109        | 0.75             | 1.0 0.0                     | 80.7              | -17.5                        | 83.5              | 85.3              | 101                          | 1.0               | 0.75 1.0 0.0  |              |              |
| 102                                                                                                                                                                                                                                                          | 106        | 110        | 0.733            | 1.0 0.0                     | 80.0              | -18.4                        | 82.5              | 84.6              | 102                          | 1.0               | 0.733 1.0 0.0 |              |              |
| 103                                                                                                                                                                                                                                                          | 107        | 112        | 0.716            | 1.0 0.0                     | 79.3              | -19.3                        | 81.5              | 83.8              | 103                          | 1.0               | 0.717 1.0 0.0 |              |              |
| 104                                                                                                                                                                                                                                                          | 108        | 113        | 0.7              | 1.0 0.0                     | 78.5              | -20.2                        | 80.5              | 83.0              | 104                          | 1.0               | 0.7 1.0 0.0   |              |              |
| 104                                                                                                                                                                                                                                                          | 109        | 114        | 0.683            | 1.0 0.0                     | 77.8              | -21.1                        | 79.4              | 82.2              | 104                          | 1.0               | 0.683 1.0 0.0 |              |              |
| 105                                                                                                                                                                                                                                                          | 110        | 115        | 0.666            | 1.0 0.0                     | 77.1              | -22.0                        | 78.4              | 81.4              | 105                          | 1.0               | 0.667 1.0 0.0 |              |              |
| 106                                                                                                                                                                                                                                                          | 111        | 116        | 0.65             | 1.0 0.0                     | 76.4              | -22.8                        | 77.3              | 80.6              | 106                          | 1.0               | 0.65 1.0 0.0  |              |              |
| 107                                                                                                                                                                                                                                                          | 112        | 117        | 0.633            | 1.0 0.0                     | 75.6              | -23.6                        | 76.2              | 79.8              | 107                          | 1.0               | 0.633 1.0 0.0 |              |              |
| 108                                                                                                                                                                                                                                                          | 113        | 119        | 0.616            | 1.0 0.0                     | 75.0              | -24.4                        | 75.1              | 79.0              | 108                          | 1.0               | 0.617 1.0 0.0 |              |              |
| 108                                                                                                                                                                                                                                                          | 114        | 120        | 0.6              | 1.0 0.0                     | 74.3              | -25.3                        | 73.9              | 78.1              | 108                          | 1.0               | 0.6 1.0 0.0   |              |              |
| 109                                                                                                                                                                                                                                                          | 115        | 121        | 0.583            | 1.0 0.0                     | 73.7              | -26.1                        | 72.7              | 77.2              | 109                          | 1.0               | 0.583 1.0 0.0 |              |              |
| 110                                                                                                                                                                                                                                                          | 116        | 122        | 0.566            | 1.0 0.0                     | 73.1              | -26.9                        | 71.4              | 76.3              | 110                          | 1.0               | 0.567 1.0 0.0 |              |              |
| 111                                                                                                                                                                                                                                                          | 117        | 123        | 0.55             | 1.0 0.0                     | 72.4              | -27.6                        | 70.2              | 75.5              | 111                          | 1.0               | 0.55 1.0 0.0  |              |              |
| 112                                                                                                                                                                                                                                                          | 118        | 124        | 0.533            | 1.0 0.0                     | 71.8              | -28.3                        | 69.0              | 74.6              | 112                          | 1.0               | 0.533 1.0 0.0 |              |              |
| 113                                                                                                                                                                                                                                                          | 119        | 126        | 0.516            | 1.0 0.0                     | 71.2              | -29.0                        | 67.7              | 73.7              | 113                          | 1.0               | 0.517 1.0 0.0 |              |              |
| 114                                                                                                                                                                                                                                                          | 120        | 127        | 0.5              | 1.0 0.0                     | 70.6              | -29.7                        | 66.5              | 72.8              | 114                          | 1.0               | 0.5 1.0 0.0   |              |              |

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Lengths of the three colours (x=LabCh) |                   |                   |                         |                         |                         |                         |                         |                         |                         | Lengths of the elementary colours (x=LabCh) |                         |                         |                         |                         |                         |                         |                         |                         |                         | Lengths of the elementary colours (x=LabCh) |                         |                         |                         |                         |     |       |  |  |  | Lengths of the elementary colours (x=LabCh) |  |  |  |  |  |  |  |  |  |
|----------------------------------------|-------------------|-------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----|-------|--|--|--|---------------------------------------------|--|--|--|--|--|--|--|--|--|
| h <sub>ab,d</sub>                      | h <sub>ab,s</sub> | h <sub>ab,e</sub> | rgb* <sub>dd361Mi</sub> | LAB* <sub>dd361Mi</sub> | rgb* <sub>ds361Mi</sub> | LAB* <sub>ds361Mi</sub> | rgb* <sub>dd361Mi</sub> | LAB* <sub>dd361Mi</sub> | rgb* <sub>de361Mi</sub> | LAB* <sub>de361Mi</sub>                     | rgb* <sub>dd361Mi</sub> | LAB* <sub>dd361Mi</sub> | rgb* <sub>ds361Mi</sub> | LAB* <sub>ds361Mi</sub> | rgb* <sub>dd361Mi</sub> | LAB* <sub>dd361Mi</sub> | rgb* <sub>de361Mi</sub> | LAB* <sub>de361Mi</sub> | rgb* <sub>dd361Mi</sub> | LAB* <sub>dd361Mi</sub>                     | rgb* <sub>ds361Mi</sub> | LAB* <sub>ds361Mi</sub> | rgb* <sub>de361Mi</sub> | LAB* <sub>de361Mi</sub> |     |       |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 114                                    | 120               | 127               | 0.5                     | 1.0                     | 0.0                     | 70.6                    | -29.7 66.5 72.8         | 114                     | 0.399                   | 1.0                                         | 0.0                     | 66.7                    | -34.5 59.9 69.2         | 120                     | 0.5                     | 1.0                     | 0.0                     | 0.322                   | 1.0                     | 0.0                                         | 62.6                    | -40.8 53.8 67.6         | 127                     | 0.5                     | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 115                                    | 121               | 128               | 0.483                   | 1.0                     | 0.0                     | 69.9                    | -30.5 65.4 72.2         | 115                     | 0.382                   | 1.0                                         | 0.0                     | 66.0                    | -35.2 58.8 68.6         | 121                     | 0.483                   | 1.0                     | 0.0                     | 0.312                   | 1.0                     | 0.0                                         | 62.0                    | -41.8 52.9 67.5         | 128                     | 0.483                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 116                                    | 122               | 129               | 0.466                   | 1.0                     | 0.0                     | 69.3                    | -31.4 64.3 71.6         | 116                     | 0.37                    | 1.0                                         | 0.0                     | 65.4                    | -36.1 57.9 68.3         | 122                     | 0.467                   | 1.0                     | 0.0                     | 0.301                   | 1.0                     | 0.0                                         | 61.4                    | -42.8 51.9 67.3         | 129                     | 0.467                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 117                                    | 123               | 130               | 0.45                    | 1.0                     | 0.0                     | 68.6                    | -32.2 63.2 71.0         | 117                     | 0.361                   | 1.0                                         | 0.0                     | 64.9                    | -37.0 57.1 68.1         | 123                     | 0.45                    | 1.0                     | 0.0                     | 0.291                   | 1.0                     | 0.0                                         | 60.8                    | -43.8 50.9 67.2         | 130                     | 0.45                    | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 117                                    | 124               | 131               | 0.433                   | 1.0                     | 0.0                     | 68.0                    | -33.0 62.1 70.4         | 117                     | 0.352                   | 1.0                                         | 0.0                     | 64.4                    | -37.9 56.4 68.0         | 124                     | 0.433                   | 1.0                     | 0.0                     | 0.28                    | 1.0                     | 0.0                                         | 60.2                    | -44.7 49.9 67.0         | 131                     | 0.433                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 118                                    | 125               | 133               | 0.416                   | 1.0                     | 0.0                     | 67.3                    | -33.8 61.0 69.8         | 118                     | 0.343                   | 1.0                                         | 0.0                     | 63.8                    | -38.8 55.6 67.9         | 125                     | 0.417                   | 1.0                     | 0.0                     | 0.27                    | 1.0                     | 0.0                                         | 59.6                    | -45.6 48.9 66.9         | 133                     | 0.417                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 119                                    | 126               | 134               | 0.4                     | 1.0                     | 0.0                     | 66.7                    | -34.5 59.9 69.2         | 119                     | 0.334                   | 1.0                                         | 0.0                     | 63.3                    | -39.7 54.8 67.8         | 126                     | 0.4                     | 1.0                     | 0.0                     | 0.259                   | 1.0                     | 0.0                                         | 59.0                    | -46.5 47.8 66.8         | 134                     | 0.4                     | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 120                                    | 127               | 135               | 0.383                   | 1.0                     | 0.0                     | 66.0                    | -35.2 58.8 68.6         | 120                     | 0.325                   | 1.0                                         | 0.0                     | 62.8                    | -40.6 54.0 67.6         | 127                     | 0.383                   | 1.0                     | 0.0                     | 0.249                   | 1.0                     | 0.0                                         | 58.4                    | -47.4 46.8 66.6         | 135                     | 0.383                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 122                                    | 128               | 136               | 0.366                   | 1.0                     | 0.0                     | 65.2                    | -36.4 57.6 68.2         | 122                     | 0.316                   | 1.0                                         | 0.0                     | 62.3                    | -41.5 53.2 67.5         | 128                     | 0.367                   | 1.0                     | 0.0                     | 0.233                   | 1.0                     | 0.0                                         | 57.9                    | -48.3 45.8 66.6         | 136                     | 0.367                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 124                                    | 129               | 137               | 0.35                    | 1.0                     | 0.0                     | 64.2                    | -38.2 56.2 67.9         | 124                     | 0.307                   | 1.0                                         | 0.0                     | 61.7                    | -42.3 52.4 67.4         | 129                     | 0.35                    | 1.0                     | 0.0                     | 0.217                   | 1.0                     | 0.0                                         | 57.4                    | -49.2 44.7 66.6         | 137                     | 0.35                    | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 126                                    | 130               | 138               | 0.333                   | 1.0                     | 0.0                     | 63.2                    | -39.8 54.7 67.7         | 126                     | 0.298                   | 1.0                                         | 0.0                     | 61.2                    | -43.1 51.5 67.3         | 130                     | 0.333                   | 1.0                     | 0.0                     | 0.201                   | 1.0                     | 0.0                                         | 57.0                    | -50.0 43.7 66.5         | 138                     | 0.333                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 127                                    | 131               | 140               | 0.316                   | 1.0                     | 0.0                     | 62.3                    | -41.4 53.2 67.5         | 127                     | 0.289                   | 1.0                                         | 0.0                     | 60.7                    | -44.0 50.7 67.2         | 131                     | 0.317                   | 1.0                     | 0.0                     | 0.185                   | 1.0                     | 0.0                                         | 56.5                    | -50.9 42.7 66.5         | 140                     | 0.317                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 129                                    | 132               | 141               | 0.3                     | 1.0                     | 0.0                     | 61.3                    | -43.0 51.7 67.3         | 129                     | 0.28                    | 1.0                                         | 0.0                     | 60.2                    | -44.8 49.8 67.0         | 132                     | 0.3                     | 1.0                     | 0.0                     | 0.169                   | 1.0                     | 0.0                                         | 56.0                    | -51.7 41.6 66.5         | 141                     | 0.3                     | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 131                                    | 133               | 142               | 0.283                   | 1.0                     | 0.0                     | 60.3                    | -44.5 50.1 67.0         | 131                     | 0.271                   | 1.0                                         | 0.0                     | 59.6                    | -45.5 48.9 66.9         | 133                     | 0.283                   | 1.0                     | 0.0                     | 0.153                   | 1.0                     | 0.0                                         | 55.5                    | -52.5 40.5 66.4         | 142                     | 0.283                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 133                                    | 134               | 143               | 0.266                   | 1.0                     | 0.0                     | 59.3                    | -45.9 48.5 66.8         | 133                     | 0.262                   | 1.0                                         | 0.0                     | 59.1                    | -46.3 48.0 66.8         | 134                     | 0.267                   | 1.0                     | 0.0                     | 0.137                   | 1.0                     | 0.0                                         | 55.1                    | -53.3 39.4 66.4         | 143                     | 0.267                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 135                                    | 135               | 144               | 0.25                    | 1.0                     | 0.0                     | 58.4                    | -47.3 46.8 66.6         | 135                     | 0.253                   | 1.0                                         | 0.0                     | 58.6                    | -47.0 47.1 66.7         | 135                     | 0.25                    | 1.0                     | 0.0                     | 0.122                   | 1.0                     | 0.0                                         | 54.6                    | -54.2 38.4 66.5         | 144                     | 0.25                    | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 136                                    | 136               | 145               | 0.233                   | 1.0                     | 0.0                     | 57.9                    | -48.3 45.8 66.5         | 136                     | 0.241                   | 1.0                                         | 0.0                     | 58.1                    | -47.8 46.3 66.6         | 136                     | 0.233                   | 1.0                     | 0.0                     | 0.108                   | 1.0                     | 0.0                                         | 54.1                    | -55.4 37.6 67.0         | 145                     | 0.233                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 137                                    | 137               | 147               | 0.216                   | 1.0                     | 0.0                     | 57.4                    | -49.2 44.7 66.5         | 137                     | 0.227                   | 1.0                                         | 0.0                     | 57.7                    | -48.6 45.4 66.6         | 137                     | 0.217                   | 1.0                     | 0.0                     | 0.095                   | 1.0                     | 0.0                                         | 53.6                    | -56.6 36.7 67.6         | 147                     | 0.217                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 138                                    | 138               | 148               | 0.2                     | 1.0                     | 0.0                     | 56.9                    | -50.1 43.6 66.5         | 138                     | 0.213                   | 1.0                                         | 0.0                     | 57.3                    | -49.4 44.5 66.6         | 138                     | 0.2                     | 1.0                     | 0.0                     | 0.082                   | 1.0                     | 0.0                                         | 53.1                    | -57.8 35.8 68.1         | 148                     | 0.2                     | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 140                                    | 139               | 149               | 0.183                   | 1.0                     | 0.0                     | 56.4                    | -51.0 42.5 66.4         | 140                     | 0.2                     | 1.0                                         | 0.0                     | 56.9                    | -50.1 43.6 66.5         | 139                     | 0.183                   | 1.0                     | 0.0                     | 0.069                   | 1.0                     | 0.0                                         | 52.6                    | -59.0 34.9 68.6         | 149                     | 0.183                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 141                                    | 140               | 150               | 0.166                   | 1.0                     | 0.0                     | 55.9                    | -51.9 41.4 66.4         | 141                     | 0.186                   | 1.0                                         | 0.0                     | 56.5                    | -50.8 42.7 66.5         | 140                     | 0.167                   | 1.0                     | 0.0                     | 0.056                   | 1.0                     | 0.0                                         | 52.1                    | -60.1 34.0 69.2         | 150                     | 0.167                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 142                                    | 141               | 151               | 0.15                    | 1.0                     | 0.0                     | 55.4                    | -52.7 40.3 66.4         | 142                     | 0.172                   | 1.0                                         | 0.0                     | 56.1                    | -51.6 41.8 66.5         | 141                     | 0.15                    | 1.0                     | 0.0                     | 0.043                   | 1.0                     | 0.0                                         | 51.7                    | -61.3 33.0 69.7         | 151                     | 0.15                    | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 143                                    | 142               | 152               | 0.133                   | 1.0                     | 0.0                     | 54.9                    | -53.5 39.1 66.3         | 143                     | 0.159                   | 1.0                                         | 0.0                     | 55.7                    | -52.3 40.9 66.4         | 142                     | 0.133                   | 1.0                     | 0.0                     | 0.03                    | 1.0                     | 0.0                                         | 51.2                    | -62.4 32.0 70.2         | 152                     | 0.133                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 145                                    | 143               | 154               | 0.116                   | 1.0                     | 0.0                     | 54.4                    | -54.7 38.0 66.6         | 145                     | 0.145                   | 1.0                                         | 0.0                     | 55.3                    | -52.9 40.0 66.4         | 143                     | 0.117                   | 1.0                     | 0.0                     | 0.016                   | 1.0                     | 0.0                                         | 50.7                    | -63.5 30.9 70.8         | 154                     | 0.117                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 146                                    | 144               | 155               | 0.1                     | 1.0                     | 0.0                     | 53.7                    | -56.2 37.0 67.3         | 146                     | 0.131                   | 1.0                                         | 0.0                     | 54.9                    | -53.6 39.0 66.4         | 144                     | 0.1                     | 1.0                     | 0.0                     | 0.003                   | 1.0                     | 0.0                                         | 50.2                    | -64.6 29.9 71.3         | 155                     | 0.1                     | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 148                                    | 145               | 156               | 0.083                   | 1.0                     | 0.0                     | 53.1                    | -57.7 35.9 68.0         | 148                     | 0.119                   | 1.0                                         | 0.0                     | 54.5                    | -54.5 38.2 66.6         | 145                     | 0.083                   | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.021                                       | 50.1                    | -64.6 28.3 70.6         | 156                     | 0.083                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 149                                    | 146               | 157               | 0.066                   | 1.0                     | 0.0                     | 52.5                    | -59.2 34.7 68.7         | 149                     | 0.107                   | 1.0                                         | 0.0                     | 54.1                    | -55.5 37.5 67.1         | 146                     | 0.067                   | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.049                                       | 50.3                    | -64.2 26.5 69.5         | 157                     | 0.067                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 151                                    | 147               | 158               | 0.049                   | 1.0                     | 0.0                     | 51.9                    | -60.7 33.5 69.4         | 151                     | 0.096                   | 1.0                                         | 0.0                     | 53.7                    | -56.5 36.8 67.5         | 147                     | 0.05                    | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.077                                       | 50.4                    | -63.7 24.8 68.4         | 158                     | 0.05                    | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 152                                    | 148               | 159               | 0.033                   | 1.0                     | 0.0                     | 51.3                    | -62.2 32.2 70.0         | 152                     | 0.085                   | 1.0                                         | 0.0                     | 53.2                    | -57.6 36.0 68.0         | 148                     | 0.033                   | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.104                                       | 50.5                    | -63.1 23.1 67.3         | 159                     | 0.033                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 154                                    | 149               | 161               | 0.016                   | 1.0                     | 0.0                     | 50.6                    | -63.6 30.9 70.7         | 154                     | 0.074                   | 1.0                                         | 0.0                     | 52.8                    | -58.6 35.3 68.4         | 149                     | 0.017                   | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.13                                        | 50.6                    | -62.6 21.5 66.3         | 161                     | 0.017                   | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 155                                    | 150               | 162               | 0.0                     | 1.0                     | 0.0                     | 50.0                    | -65.0 29.6 71.4         | 155                     | $G_d$ 0.062             | 1.0                                         | 0.0                     | 52.4                    | -59.6 34.5 68.9         | 150                     | $G_s$ 0.0               | 1.0                     | 0.0                     | 0.0                     | 1.0                     | 0.151                                       | 50.7                    | -62.0 19.9 65.2         | 162                     | $G_e$ 0.0               | 1.0 | 0.0   |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 156                                    | 151               | 163               | 0.0                     | 1.0                     | 0.016                   | 50.1                    | -64.7 28.5 70.7         | 156                     | 0.051                   | 1.0                                         | 0.0                     | 52.0                    | -60.6 33.6 69.4         | 151                     | 0.0                     | 1.0                     | 0.017                   | 0.0                     | 1.0                     | 0.167                                       | 50.8                    | -61.6 18.7 64.4         | 163                     | 0.0                     | 1.0 | 0.017 |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 156                                    | 152               | 164               | 0.0                     | 1.0                     | 0.033                   | 50.1                    | -64.5 27.4 70.1         | 156                     | 0.04                    | 1.0                                         | 0.0                     | 51.5                    | -61.6 32.8 69.8         | 152                     | 0.0                     | 1.0                     | 0.033                   | 0.0                     | 1.0                     | 0.183                                       | 50.9                    | -61.1 17.5 63.6         | 164                     | 0.0                     | 1.0 | 0.033 |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 157                                    | 153               | 164               | 0.0                     | 1.0                     | 0.05                    | 50.2                    | -64.2 26.4 69.4         | 157                     | 0.028                   | 1.0                                         | 0.0                     | 51.1                    | -62.5 31.9 70.3         | 153                     | 0.0                     | 1.0                     | 0.05                    | 0.0                     | 1.0                     | 0.2                                         | 51.0                    | -60.6 16.3 62.8         | 164                     | 0.0                     | 1.0 | 0.05  |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 158                                    | 154               | 165               | 0.0                     | 1.0                     | 0.066                   | 50.3                    | -63.9 25.4 68.8         | 158                     | 0.017                   | 1.0                                         | 0.0                     | 50.7                    | -63.5 31.0 70.7         | 154                     | 0.0                     | 1.0                     | 0.067                   | 0.0                     | 1.0                     | 0.216                                       | 51.0                    | -60.0 15.1 62.0         | 165                     | 0.0                     | 1.0 | 0.067 |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 159                                    | 155               | 166               | 0.0                     | 1.0                     | 0.083                   | 50.3                    | -63.6 24.4 68.1         | 159                     | 0.006                   | 1.0                                         | 0.0                     | 50.3                    | -64.4 30.1 71.2         | 155                     | 0.0                     | 1.0                     | 0.083                   | 0.0                     | 1.0                     | 0.232                                       | 51.1                    | -59.5 14.0 61.2         | 166                     | 0.0                     | 1.0 | 0.083 |  |  |  |                                             |  |  |  |  |  |  |  |  |  |
| 159                                    | 156               | 167               | 0.0                     | 1.0                     | 0.1                     | 50.4                    | -63.3 23.4 67.5         | 159                     | 0.0                     | 1.0                                         | 0.012                   | 50.1                    | -64.7 28.9 71.0         | 156                     | 0.0                     | 1.0                     | 0.1                     | 0.0                     | 1.0                     | 0.248                                       | 51.2                    | -58                     |                         |                         |     |       |  |  |  |                                             |  |  |  |  |  |  |  |  |  |



Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| $h_{ab,d}$ | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ |       |     | $LAB^*_{ddx361Mi}$ (x=LabCh) |       |       |      | $C_d$ | $rgb^*_{ds361Mi}$ |       |       | $LAB^*_{dsx361Mi}$ (x=LabCh) |       |       |      | $C_s$ | $rgb^*_{dd361Mi}$ |       |     | $rgb^*_{de361Mi}$ |       |       | $LAB^*_{dex361Mi}$ (x=LabCh) |       |       |      | $C_e$ | $rgb^*_{dd361Mi}$ |       |     | $rgb^*_{dd}$ | $rgb^*_{ds}$ | $rgb^*_{de}$ |
|------------|------------|------------|------------------|-------|-----|------------------------------|-------|-------|------|-------|-------------------|-------|-------|------------------------------|-------|-------|------|-------|-------------------|-------|-----|-------------------|-------|-------|------------------------------|-------|-------|------|-------|-------------------|-------|-----|--------------|--------------|--------------|
| 238        | 210        | 216        | 0.0              | 1.0   | 1.0 | 56.8                         | -25.5 | -41.5 | 48.7 | 238   | 0.0               | 1.0   | 0.685 | 54.5                         | -39.5 | -22.8 | 45.7 | 210   | 0.0               | 1.0   | 1.0 | 0.0               | 1.0   | 0.747 | 55.0                         | -36.1 | -27.2 | 45.3 | 216   | 0.0               | 1.0   | 1.0 |              |              |              |
| 239        | 211        | 217        | 0.0              | 0.983 | 1.0 | 56.4                         | -24.9 | -41.5 | 48.4 | 239   | 0.0               | 1.0   | 0.694 | 54.6                         | -39.0 | -23.4 | 45.7 | 211   | 0.0               | 0.983 | 1.0 | 0.0               | 1.0   | 0.757 | 55.1                         | -35.7 | -27.8 | 45.4 | 217   | 0.0               | 0.983 | 1.0 |              |              |              |
| 239        | 212        | 218        | 0.0              | 0.966 | 1.0 | 56.1                         | -24.3 | -41.5 | 48.1 | 239   | 0.0               | 1.0   | 0.703 | 54.7                         | -38.6 | -24.1 | 45.6 | 212   | 0.0               | 0.967 | 1.0 | 0.0               | 1.0   | 0.767 | 55.2                         | -35.3 | -28.4 | 45.4 | 218   | 0.0               | 0.967 | 1.0 |              |              |              |
| 240        | 213        | 219        | 0.0              | 0.95  | 1.0 | 55.7                         | -23.7 | -41.5 | 47.8 | 240   | 0.0               | 1.0   | 0.712 | 54.7                         | -38.1 | -24.7 | 45.6 | 213   | 0.0               | 0.95  | 1.0 | 0.0               | 1.0   | 0.778 | 55.2                         | -34.9 | -29.0 | 45.5 | 219   | 0.0               | 0.95  | 1.0 |              |              |              |
| 240        | 214        | 220        | 0.0              | 0.933 | 1.0 | 55.4                         | -23.1 | -41.5 | 47.5 | 240   | 0.0               | 1.0   | 0.721 | 54.8                         | -37.6 | -25.3 | 45.5 | 214   | 0.0               | 0.933 | 1.0 | 0.0               | 1.0   | 0.788 | 55.3                         | -34.5 | -29.6 | 45.6 | 220   | 0.0               | 0.933 | 1.0 |              |              |              |
| 241        | 215        | 221        | 0.0              | 0.916 | 1.0 | 55.0                         | -22.5 | -41.4 | 47.2 | 241   | 0.0               | 1.0   | 0.73  | 54.9                         | -37.1 | -26.0 | 45.4 | 215   | 0.0               | 0.917 | 1.0 | 0.0               | 1.0   | 0.798 | 55.4                         | -34.1 | -30.2 | 45.7 | 221   | 0.0               | 0.917 | 1.0 |              |              |              |
| 242        | 216        | 222        | 0.0              | 0.9   | 1.0 | 54.6                         | -22.0 | -41.4 | 46.9 | 242   | 0.0               | 1.0   | 0.739 | 55.0                         | -36.6 | -26.6 | 45.4 | 216   | 0.0               | 0.9   | 1.0 | 0.0               | 1.0   | 0.808 | 55.4                         | -33.6 | -30.8 | 45.7 | 222   | 0.0               | 0.9   | 1.0 |              |              |              |
| 242        | 217        | 223        | 0.0              | 0.883 | 1.0 | 54.3                         | -21.4 | -41.4 | 46.6 | 242   | 0.0               | 1.0   | 0.747 | 55.1                         | -36.1 | -27.2 | 45.3 | 217   | 0.0               | 0.883 | 1.0 | 0.0               | 1.0   | 0.819 | 55.5                         | -33.2 | -31.3 | 45.8 | 223   | 0.0               | 0.883 | 1.0 |              |              |              |
| 243        | 218        | 224        | 0.0              | 0.866 | 1.0 | 53.9                         | -20.7 | -41.3 | 46.3 | 243   | 0.0               | 1.0   | 0.758 | 55.0                         | -35.6 | -27.8 | 45.4 | 218   | 0.0               | 0.867 | 1.0 | 0.0               | 1.0   | 0.829 | 55.6                         | -32.7 | -31.9 | 45.9 | 224   | 0.0               | 0.867 | 1.0 |              |              |              |
| 244        | 219        | 225        | 0.0              | 0.85  | 1.0 | 53.4                         | -20.0 | -41.3 | 45.9 | 244   | 0.0               | 1.0   | 0.769 | 55.2                         | -35.2 | -28.5 | 45.4 | 219   | 0.0               | 0.85  | 1.0 | 0.0               | 1.0   | 0.839 | 55.6                         | -32.3 | -32.5 | 45.9 | 225   | 0.0               | 0.85  | 1.0 |              |              |              |
| 245        | 220        | 226        | 0.0              | 0.833 | 1.0 | 52.9                         | -19.2 | -41.3 | 45.6 | 245   | 0.0               | 1.0   | 0.781 | 55.3                         | -34.8 | -29.2 | 45.5 | 220   | 0.0               | 0.833 | 1.0 | 0.0               | 1.0   | 0.85  | 55.7                         | -31.8 | -33.1 | 46.0 | 226   | 0.0               | 0.833 | 1.0 |              |              |              |
| 245        | 221        | 227        | 0.0              | 0.816 | 1.0 | 52.4                         | -18.5 | -41.3 | 45.3 | 245   | 0.0               | 1.0   | 0.792 | 55.3                         | -34.3 | -29.8 | 45.6 | 221   | 0.0               | 0.817 | 1.0 | 0.0               | 1.0   | 0.86  | 55.8                         | -31.3 | -33.6 | 46.1 | 227   | 0.0               | 0.817 | 1.0 |              |              |              |
| 246        | 222        | 227        | 0.0              | 0.8   | 1.0 | 51.9                         | -17.7 | -41.3 | 44.9 | 246   | 0.0               | 1.0   | 0.803 | 55.4                         | -33.9 | -30.5 | 45.7 | 222   | 0.0               | 0.8   | 1.0 | 0.0               | 1.0   | 0.87  | 55.8                         | -30.8 | -34.2 | 46.2 | 227   | 0.0               | 0.8   | 1.0 |              |              |              |
| 247        | 223        | 228        | 0.0              | 0.783 | 1.0 | 51.4                         | -17.0 | -41.2 | 44.6 | 247   | 0.0               | 1.0   | 0.815 | 55.5                         | -33.4 | -31.1 | 45.8 | 223   | 0.0               | 0.783 | 1.0 | 0.0               | 1.0   | 0.881 | 55.9                         | -30.4 | -34.8 | 46.3 | 228   | 0.0               | 0.783 | 1.0 |              |              |              |
| 248        | 224        | 229        | 0.0              | 0.766 | 1.0 | 50.9                         | -16.2 | -41.2 | 44.2 | 248   | 0.0               | 1.0   | 0.826 | 55.6                         | -32.9 | -31.7 | 45.8 | 224   | 0.0               | 0.767 | 1.0 | 0.0               | 1.0   | 0.893 | 56.0                         | -30.0 | -35.4 | 46.6 | 229   | 0.0               | 0.767 | 1.0 |              |              |              |
| 249        | 225        | 230        | 0.0              | 0.75  | 1.0 | 50.4                         | -15.5 | -41.1 | 43.9 | 249   | 0.0               | 1.0   | 0.837 | 55.6                         | -32.4 | -32.4 | 45.9 | 225   | 0.0               | 0.75  | 1.0 | 0.0               | 1.0   | 0.904 | 56.1                         | -29.6 | -36.1 | 46.8 | 230   | 0.0               | 0.75  | 1.0 |              |              |              |
| 250        | 226        | 231        | 0.0              | 0.733 | 1.0 | 49.9                         | -14.7 | -41.1 | 43.6 | 250   | 0.0               | 1.0   | 0.849 | 55.7                         | -31.9 | -33.0 | 46.0 | 226   | 0.0               | 0.733 | 1.0 | 0.0               | 1.0   | 0.915 | 56.2                         | -29.1 | -36.7 | 47.0 | 231   | 0.0               | 0.733 | 1.0 |              |              |              |
| 251        | 227        | 232        | 0.0              | 0.716 | 1.0 | 49.4                         | -13.8 | -41.1 | 43.4 | 251   | 0.0               | 1.0   | 0.86  | 55.8                         | -31.3 | -33.6 | 46.1 | 227   | 0.0               | 0.717 | 1.0 | 0.0               | 1.0   | 0.926 | 56.3                         | -28.7 | -37.4 | 47.2 | 232   | 0.0               | 0.717 | 1.0 |              |              |              |
| 252        | 228        | 233        | 0.0              | 0.7   | 1.0 | 48.8                         | -13.0 | -41.1 | 43.1 | 252   | 0.0               | 1.0   | 0.871 | 55.9                         | -30.8 | -34.2 | 46.2 | 228   | 0.0               | 0.7   | 1.0 | 0.0               | 1.0   | 0.938 | 56.3                         | -28.2 | -38.0 | 47.5 | 233   | 0.0               | 0.7   | 1.0 |              |              |              |
| 253        | 229        | 234        | 0.0              | 0.683 | 1.0 | 48.3                         | -12.2 | -41.1 | 42.9 | 253   | 0.0               | 1.0   | 0.883 | 55.9                         | -30.3 | -34.9 | 46.4 | 229   | 0.0               | 0.683 | 1.0 | 0.0               | 1.0   | 0.949 | 56.4                         | -27.7 | -38.6 | 47.7 | 234   | 0.0               | 0.683 | 1.0 |              |              |              |
| 254        | 230        | 235        | 0.0              | 0.666 | 1.0 | 47.8                         | -11.4 | -41.0 | 42.6 | 254   | 0.0               | 1.0   | 0.896 | 56.0                         | -29.9 | -35.6 | 46.6 | 230   | 0.0               | 0.667 | 1.0 | 0.0               | 1.0   | 0.96  | 56.5                         | -27.2 | -39.3 | 47.9 | 235   | 0.0               | 0.667 | 1.0 |              |              |              |
| 255        | 231        | 236        | 0.0              | 0.65  | 1.0 | 47.3                         | -10.6 | -41.0 | 42.3 | 255   | 0.0               | 1.0   | 0.908 | 56.1                         | -29.4 | -36.3 | 46.9 | 231   | 0.0               | 0.65  | 1.0 | 0.0               | 1.0   | 0.972 | 56.6                         | -26.7 | -39.9 | 48.2 | 236   | 0.0               | 0.65  | 1.0 |              |              |              |
| 256        | 232        | 237        | 0.0              | 0.633 | 1.0 | 46.8                         | -9.8  | -40.9 | 42.1 | 256   | 0.0               | 1.0   | 0.92  | 56.2                         | -28.9 | -37.0 | 47.1 | 232   | 0.0               | 0.633 | 1.0 | 0.0               | 1.0   | 0.983 | 56.7                         | -26.2 | -40.5 | 48.4 | 237   | 0.0               | 0.633 | 1.0 |              |              |              |
| 257        | 233        | 237        | 0.0              | 0.616 | 1.0 | 46.2                         | -8.9  | -40.9 | 41.8 | 257   | 0.0               | 1.0   | 0.933 | 56.3                         | -28.4 | -37.7 | 47.4 | 233   | 0.0               | 0.617 | 1.0 | 0.0               | 1.0   | 0.994 | 56.8                         | -25.7 | -41.1 | 48.6 | 237   | 0.0               | 0.617 | 1.0 |              |              |              |
| 259        | 234        | 238        | 0.0              | 0.6   | 1.0 | 45.5                         | -7.8  | -40.9 | 41.7 | 259   | 0.0               | 1.0   | 0.945 | 56.4                         | -27.9 | -38.4 | 47.6 | 234   | 0.0               | 0.6   | 1.0 | 0.0               | 0.988 | 1.0   | 56.6                         | -25.0 | -41.4 | 48.5 | 238   | 0.0               | 0.6   | 1.0 |              |              |              |
| 260        | 235        | 239        | 0.0              | 0.583 | 1.0 | 44.9                         | -6.6  | -41.0 | 41.5 | 260   | 0.0               | 1.0   | 0.957 | 56.5                         | -27.4 | -39.1 | 47.9 | 235   | 0.0               | 0.583 | 1.0 | 0.0               | 0.962 | 1.0   | 56.0                         | -24.1 | -41.4 | 48.1 | 239   | 0.0               | 0.583 | 1.0 |              |              |              |
| 262        | 236        | 240        | 0.0              | 0.566 | 1.0 | 44.2                         | -5.5  | -40.9 | 41.3 | 262   | 0.0               | 1.0   | 0.97  | 56.6                         | -26.8 | -39.8 | 48.1 | 236   | 0.0               | 0.567 | 1.0 | 0.0               | 0.937 | 1.0   | 55.5                         | -23.2 | -41.4 | 47.6 | 240   | 0.0               | 0.567 | 1.0 |              |              |              |
| 263        | 237        | 241        | 0.0              | 0.55  | 1.0 | 43.6                         | -4.4  | -40.9 | 41.1 | 263   | 0.0               | 1.0   | 0.982 | 56.7                         | -26.2 | -40.5 | 48.4 | 237   | 0.0               | 0.55  | 1.0 | 0.0               | 0.911 | 1.0   | 54.9                         | -22.3 | -41.4 | 47.1 | 241   | 0.0               | 0.55  | 1.0 |              |              |              |
| 265        | 238        | 242        | 0.0              | 0.533 | 1.0 | 43.0                         | -3.3  | -40.8 | 41.0 | 265   | 0.0               | 1.0   | 0.994 | 56.8                         | -25.7 | -41.1 | 48.6 | 238   | 0.0               | 0.533 | 1.0 | 0.0               | 0.885 | 1.0   | 54.4                         | -21.4 | -41.3 | 46.7 | 242   | 0.0               | 0.533 | 1.0 |              |              |              |
| 266        | 239        | 243        | 0.0              | 0.516 | 1.0 | 42.3                         | -2.3  | -40.7 | 40.8 | 266   | 0.0               | 0.985 | 1.0   | 56.5                         | -24.9 | -41.4 | 48.5 | 239   | 0.0               | 0.517 | 1.0 | 0.0               | 0.864 | 1.0   | 53.9                         | -20.6 | -41.3 | 46.3 | 243   | 0.0               | 0.517 | 1.0 |              |              |              |
| 268        | 240        | 244        | 0.0              | 0.5   | 1.0 | 41.7                         | -1.2  | -40.6 | 40.6 | 268   | 0.0               | 0.956 | 1.0   | 55.9                         | -23.9 | -41.4 | 48.0 | 240   | 0.0               | 0.5   | 1.0 | 0.0               | 0.847 | 1.0   | 53.3                         | -19.8 | -41.3 | 45.9 | 244   | 0.0               | 0.5   | 1.0 |              |              |              |
| 269        | 241        | 245        | 0.0              | 0.483 | 1.0 | 41.1                         | -0.2  | -40.6 | 40.6 | 269   | 0.0               | 0.928 | 1.0   | 55.3                         | -22.9 | -41.4 | 47.4 | 241   | 0.0               | 0.483 | 1.0 | 0.0               | 0.829 | 1.0   | 52.8                         | -19.0 | -41.3 | 45.6 | 245   | 0.0               | 0.483 | 1.0 |              |              |              |
| 271        | 242        | 246        | 0.0              | 0.466 | 1.0 | 40.5                         | 0.7   | -40.6 | 40.6 | 271   | 0.0               | 0.9   | 1.0   | 54.7                         | -21.9 | -41.3 | 46.9 | 242   | 0.0               | 0.467 | 1.0 | 0.0               | 0.811 | 1.0   | 52.3                         | -18.1 | -41.2 | 45.2 | 246   | 0.0               | 0.467 | 1.0 |              |              |              |
| 272        | 243        | 247        | 0.0              | 0.45  | 1.0 | 39.9                         | 1.7   | -40.6 | 40.6 | 272   | 0.0               | 0.873 | 1.0   | 54.1                         | -21.0 | -41.3 | 46.4 | 243   | 0.0               | 0.45  | 1.0 | 0.0               | 0.793 | 1.0   | 51.7                         | -17.3 | -41.2 | 44.8 | 247   | 0.0               | 0.45  | 1.0 |              |              |              |
| 273        | 244        | 248        | 0.0              | 0.433 | 1.0 | 39.3                         | 2.7   | -40.6 | 40.6 | 273   | 0.0               | 0.854 | 1.0   | 53.5                         | -20.1 | -41.3 | 46.1 | 244   | 0.0               | 0.433 | 1.0 | 0.0               | 0.775 | 1.0   | 51.2                         | -16.6 | -41.1 | 44.5 | 248   | 0.0               | 0.433 | 1.0 |              |              |              |
| 275        | 245        | 248        | 0.0              | 0.416 | 1.0 | 38.8                         | 3.6   | -40.5 | 40.6 | 275   | 0.0               | 0.834 | 1.0   | 53.0                         | -19.2 | -41.3 | 45.7 | 245   | 0.0               | 0.417 | 1.0 | 0.0               | 0.757 | 1.0   | 50.7                         | -15.8 | -41.1 | 44.1 | 248   | 0.0               | 0.417 | 1.0 |              |              |              |
| 276        | 246        | 249        | 0.0              | 0.4   | 1.0 | 38.2                         | 4.6   | -40.4 | 40.7 | 276   | 0.0               | 0.815 | 1.0   | 52.4                         | -18.3 | -41.3 | 45.3 | 246   | 0.0               | 0.4   | 1.0 | 0.0               | 0.741 | 1.0   | 50.2                         | -15.0 | -41.0 | 43.8 | 249   | 0.0               | 0.4   | 1.0 |              |              |              |
| 277        | 247        | 250        | 0.0              | 0.383 | 1.0 | 37.6                         | 5.6   | -40.3 | 40.7 | 277   | 0.0               | 0.795 | 1.0   | 51.8                         | -17.4 | -41.2 | 44.9 | 247   | 0.0               | 0.383 | 1.0 | 0.0               | 0.726 | 1.0   | 49.7                         | -14.3 | -41.1 | 43.6 | 250   | 0.0               | 0.383 | 1.0 |              |              |              |
| 279        | 248        | 251        | 0.0              | 0.366 | 1.0 | 37.0                         | 6.6   | -40.2 | 40.8 | 279   | 0.0               | 0.775 | 1.0   | 51.2                         | -16.6 | -41.1 | 44.5 | 248   | 0.0               | 0.367 | 1.0 | 0.0               | 0.711 | 1.0   | 49.2                         | -13.5 | -41.0 | 43.4 | 251   | 0.0               | 0.367 | 1.0 |              |              |              |
| 280        | 249        | 252        | 0.0              | 0.35  | 1.0 | 36.4                         | 7.7   | -40.3 | 41.1 | 280   | 0.0               | 0.756 | 1.0   | 50.6                         | -15.7 | -41.1 | 44.1 | 249   | 0.0               | 0.35  | 1.0 | 0.0               | 0.697 | 1.0   | 48.8                         | -12.8 | -41.0 | 43.1 | 252   | 0.0               | 0.35  | 1.0 |              |              |              |
| 282        | 250        | 253        | 0.0              | 0.333 | 1.0 | 35.8                         | 8.8   | -40.4 | 41.3 | 2     |                   |       |       |                              |       |       |      |       |                   |       |     |                   |       |       |                              |       |       |      |       |                   |       |     |              |              |              |

4-0031331-L0 QI970-70 LAB\*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

uscita: Offset standard print; separation cmy0\*, D65, pagina 14/33

grafico TUB-QI97; codice di tinte:  $H^*_d=G50B_d$   
cerchio delle tinte a 48 passi;  $rgb-LabCh^*$  tavole

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$

TUB iscrizione: 20130201-QI97/QI97L0NP.PDF /.PS  
la domanda per la misura uscita nella stampa di offset, separazione cmy0 (CMY0)

TUB materiale: code=rha4ta

uscita: Offset standard print; separation cmy0\*, D65, pagina 15/33

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

| Six hue angles of the device colours RYGBM <sub>d</sub> : $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours RYGBM <sub>e</sub> : $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$ |            |            |                  |                             |                   |                              |                   |                   |                              |                   |                   |                   |                   |                   |                   |       |      |           |       |     |       |       |       |     |      |      |       |      |           |       |     |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|------------------|-----------------------------|-------------------|------------------------------|-------------------|-------------------|------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------|------|-----------|-------|-----|-------|-------|-------|-----|------|------|-------|------|-----------|-------|-----|-------|
| $h_{ab,d}$                                                                                                                                                                                                                        | $h_{ab,s}$ | $h_{ab,e}$ | $rgb^*_{dd361M}$ | $LAB^*_{dd361Mi}$ (x=LabCh) | $rgb^*_{ds361Mi}$ | $LAB^*_{dsx361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{de361Mi}$ | $LAB^*_{dex361Mi}$ (x=LabCh) | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ | $rgb^*_{dd361Mi}$ | $rgb^*_{ds361Mi}$ | $rgb^*_{de361Mi}$ |       |      |           |       |     |       |       |       |     |      |      |       |      |           |       |     |       |
| 340                                                                                                                                                                                                                               | 300        | 300        | 0.5              | 0.0                         | 1.0               | 35.6                         | 58.6              | -20.7             | 62.1                         | 340               | 0.0               | 0.109             | 1.0               | 28.2              | 23.3              | -40.3 | 46.6 | 300       | 0.5   | 0.0 | 1.0   | 0.0   | 0.106 | 1.0 | 28.1 | 23.5 | -40.3 | 46.7 | 300       | 0.5   | 0.0 | 1.0   |
| 341                                                                                                                                                                                                                               | 301        | 301        | 0.516            | 0.0                         | 1.0               | 35.9                         | 59.5              | -19.9             | 62.8                         | 341               | 0.0               | 0.091             | 1.0               | 27.7              | 24.3              | -40.3 | 47.2 | 301       | 0.517 | 0.0 | 1.0   | 0.0   | 0.089 | 1.0 | 27.6 | 24.4 | -40.3 | 47.2 | 301       | 0.517 | 0.0 | 1.0   |
| 342                                                                                                                                                                                                                               | 302        | 302        | 0.533            | 0.0                         | 1.0               | 36.2                         | 60.5              | -19.0             | 63.4                         | 342               | 0.0               | 0.074             | 1.0               | 27.2              | 25.3              | -40.4 | 47.7 | 302       | 0.533 | 0.0 | 1.0   | 0.0   | 0.073 | 1.0 | 27.2 | 25.4 | -40.4 | 47.8 | 302       | 0.533 | 0.0 | 1.0   |
| 343                                                                                                                                                                                                                               | 303        | 303        | 0.55             | 0.0                         | 1.0               | 36.6                         | 61.4              | -18.2             | 64.0                         | 343               | 0.0               | 0.056             | 1.0               | 26.7              | 26.3              | -40.4 | 48.3 | 303       | 0.55  | 0.0 | 1.0   | 0.0   | 0.056 | 1.0 | 26.7 | 26.3 | -40.4 | 48.3 | 303       | 0.55  | 0.0 | 1.0   |
| 344                                                                                                                                                                                                                               | 304        | 303        | 0.566            | 0.0                         | 1.0               | 36.9                         | 62.3              | -17.3             | 64.7                         | 344               | 0.0               | 0.039             | 1.0               | 26.2              | 27.3              | -40.4 | 48.9 | 304       | 0.567 | 0.0 | 1.0   | 0.0   | 0.039 | 1.0 | 26.2 | 27.3 | -40.4 | 48.8 | 303       | 0.567 | 0.0 | 1.0   |
| 345                                                                                                                                                                                                                               | 305        | 304        | 0.583            | 0.0                         | 1.0               | 37.2                         | 63.2              | -16.4             | 65.3                         | 345               | 0.0               | 0.021             | 1.0               | 25.7              | 28.3              | -40.4 | 49.4 | 305       | 0.583 | 0.0 | 1.0   | 0.0   | 0.023 | 1.0 | 25.7 | 28.2 | -40.4 | 49.4 | 304       | 0.583 | 0.0 | 1.0   |
| 346                                                                                                                                                                                                                               | 306        | 305        | 0.6              | 0.0                         | 1.0               | 37.6                         | 64.1              | -15.4             | 66.0                         | 346               | 0.0               | 0.004             | 1.0               | 25.2              | 29.4              | -40.3 | 50.0 | 306       | 0.6   | 0.0 | 1.0   | 0.0   | 0.006 | 1.0 | 25.3 | 29.2 | -40.3 | 49.9 | 305       | 0.6   | 0.0 | 1.0   |
| 347                                                                                                                                                                                                                               | 307        | 306        | 0.616            | 0.0                         | 1.0               | 37.9                         | 65.0              | -14.5             | 66.6                         | 347               | 0.011             | 0.0               | 1.0               | 25.3              | 30.2              | -40.0 | 50.2 | 307       | 0.617 | 0.0 | 1.0   | 0.009 | 0.0   | 1.0 | 25.3 | 30.1 | -40.1 | 50.2 | 306       | 0.617 | 0.0 | 1.0   |
| 348                                                                                                                                                                                                                               | 308        | 307        | 0.633            | 0.0                         | 1.0               | 38.3                         | 65.8              | -13.7             | 67.2                         | 348               | 0.026             | 0.0               | 1.0               | 25.7              | 31.0              | -39.6 | 50.3 | 308       | 0.633 | 0.0 | 1.0   | 0.023 | 0.0   | 1.0 | 25.6 | 30.8 | -39.7 | 50.3 | 307       | 0.633 | 0.0 | 1.0   |
| 348                                                                                                                                                                                                                               | 309        | 308        | 0.65             | 0.0                         | 1.0               | 38.8                         | 66.6              | -13.1             | 67.9                         | 348               | 0.041             | 0.0               | 1.0               | 26.0              | 31.8              | -39.1 | 50.5 | 309       | 0.65  | 0.0 | 1.0   | 0.036 | 0.0   | 1.0 | 25.9 | 31.5 | -39.3 | 50.4 | 308       | 0.65  | 0.0 | 1.0   |
| 349                                                                                                                                                                                                                               | 310        | 309        | 0.666            | 0.0                         | 1.0               | 39.3                         | 67.3              | -12.5             | 68.5                         | 349               | 0.056             | 0.0               | 1.0               | 26.3              | 32.5              | -38.7 | 50.6 | 310       | 0.667 | 0.0 | 1.0   | 0.05  | 0.0   | 1.0 | 26.2 | 32.3 | -38.8 | 50.6 | 309       | 0.667 | 0.0 | 1.0   |
| 350                                                                                                                                                                                                                               | 311        | 310        | 0.683            | 0.0                         | 1.0               | 39.8                         | 68.1              | -11.9             | 69.1                         | 350               | 0.07              | 0.0               | 1.0               | 26.7              | 33.3              | -38.2 | 50.8 | 311       | 0.683 | 0.0 | 1.0   | 0.064 | 0.0   | 1.0 | 26.5 | 33.0 | -38.4 | 50.7 | 310       | 0.683 | 0.0 | 1.0   |
| 350                                                                                                                                                                                                                               | 312        | 311        | 0.7              | 0.0                         | 1.0               | 40.3                         | 68.8              | -11.2             | 69.7                         | 350               | 0.085             | 0.0               | 1.0               | 27.0              | 34.1              | -37.7 | 50.9 | 312       | 0.7   | 0.0 | 1.0   | 0.078 | 0.0   | 1.0 | 26.9 | 33.7 | -37.9 | 50.8 | 311       | 0.7   | 0.0 | 1.0   |
| 351                                                                                                                                                                                                                               | 313        | 312        | 0.716            | 0.0                         | 1.0               | 40.8                         | 69.5              | -10.6             | 70.4                         | 351               | 0.1               | 0.0               | 1.0               | 27.3              | 34.8              | -37.2 | 51.0 | 313       | 0.717 | 0.0 | 1.0   | 0.092 | 0.0   | 1.0 | 27.2 | 34.4 | -37.5 | 51.0 | 312       | 0.717 | 0.0 | 1.0   |
| 351                                                                                                                                                                                                                               | 314        | 313        | 0.733            | 0.0                         | 1.0               | 41.3                         | 70.3              | -9.9              | 71.0                         | 351               | 0.114             | 0.0               | 1.0               | 27.7              | 35.5              | -36.7 | 51.2 | 314       | 0.733 | 0.0 | 1.0   | 0.106 | 0.0   | 1.0 | 27.5 | 35.1 | -37.0 | 51.1 | 313       | 0.733 | 0.0 | 1.0   |
| 352                                                                                                                                                                                                                               | 315        | 314        | 0.75             | 0.0                         | 1.0               | 41.8                         | 71.0              | -9.2              | 71.6                         | 352               | 0.13              | 0.0               | 1.0               | 27.9              | 36.3              | -36.2 | 51.3 | 315       | 0.75  | 0.0 | 1.0   | 0.12  | 0.0   | 1.0 | 27.8 | 35.8 | -36.5 | 51.2 | 314       | 0.75  | 0.0 | 1.0   |
| 353                                                                                                                                                                                                                               | 316        | 315        | 0.766            | 0.0                         | 1.0               | 42.1                         | 71.6              | -8.7              | 72.1                         | 353               | 0.146             | 0.0               | 1.0               | 28.1              | 37.1              | -35.7 | 51.6 | 316       | 0.767 | 0.0 | 1.0   | 0.135 | 0.0   | 1.0 | 28.0 | 36.6 | -36.0 | 51.4 | 315       | 0.767 | 0.0 | 1.0   |
| 353                                                                                                                                                                                                                               | 317        | 316        | 0.783            | 0.0                         | 1.0               | 42.4                         | 72.1              | -8.1              | 72.6                         | 353               | 0.163             | 0.0               | 1.0               | 28.2              | 37.9              | -35.3 | 51.8 | 317       | 0.783 | 0.0 | 1.0   | 0.151 | 0.0   | 1.0 | 28.1 | 37.3 | -35.6 | 51.7 | 316       | 0.783 | 0.0 | 1.0   |
| 353                                                                                                                                                                                                                               | 318        | 317        | 0.8              | 0.0                         | 1.0               | 42.7                         | 72.7              | -7.6              | 73.1                         | 353               | 0.18              | 0.0               | 1.0               | 28.3              | 38.7              | -34.8 | 52.1 | 318       | 0.8   | 0.0 | 1.0   | 0.167 | 0.0   | 1.0 | 28.2 | 38.1 | -35.1 | 51.9 | 317       | 0.8   | 0.0 | 1.0   |
| 354                                                                                                                                                                                                                               | 319        | 318        | 0.816            | 0.0                         | 1.0               | 43.1                         | 73.2              | -7.0              | 73.6                         | 354               | 0.197             | 0.0               | 1.0               | 28.5              | 39.5              | -34.2 | 52.4 | 319       | 0.817 | 0.0 | 1.0   | 0.183 | 0.0   | 1.0 | 28.4 | 38.9 | -34.7 | 52.1 | 318       | 0.817 | 0.0 | 1.0   |
| 354                                                                                                                                                                                                                               | 320        | 319        | 0.833            | 0.0                         | 1.0               | 43.4                         | 73.8              | -6.5              | 74.1                         | 354               | 0.213             | 0.0               | 1.0               | 28.6              | 40.3              | -33.7 | 52.6 | 320       | 0.833 | 0.0 | 1.0   | 0.199 | 0.0   | 1.0 | 28.5 | 39.6 | -34.2 | 52.4 | 319       | 0.833 | 0.0 | 1.0   |
| 355                                                                                                                                                                                                                               | 321        | 320        | 0.85             | 0.0                         | 1.0               | 43.7                         | 74.3              | -5.9              | 74.6                         | 355               | 0.23              | 0.0               | 1.0               | 28.7              | 41.1              | -33.2 | 52.9 | 321       | 0.85  | 0.0 | 1.0   | 0.215 | 0.0   | 1.0 | 28.6 | 40.4 | -33.7 | 52.6 | 320       | 0.85  | 0.0 | 1.0   |
| 355                                                                                                                                                                                                                               | 322        | 321        | 0.866            | 0.0                         | 1.0               | 44.0                         | 74.9              | -5.3              | 75.1                         | 355               | 0.247             | 0.0               | 1.0               | 28.9              | 41.9              | -32.6 | 53.1 | 322       | 0.867 | 0.0 | 1.0   | 0.231 | 0.0   | 1.0 | 28.7 | 41.1 | -33.2 | 52.9 | 321       | 0.867 | 0.0 | 1.0   |
| 356                                                                                                                                                                                                                               | 323        | 321        | 0.883            | 0.0                         | 1.0               | 44.3                         | 75.4              | -4.7              | 75.6                         | 356               | 0.259             | 0.0               | 1.0               | 29.2              | 42.7              | -32.1 | 53.5 | 323       | 0.883 | 0.0 | 1.0   | 0.247 | 0.0   | 1.0 | 28.9 | 41.8 | -32.6 | 53.1 | 321       | 0.883 | 0.0 | 1.0   |
| 356                                                                                                                                                                                                                               | 324        | 322        | 0.9              | 0.0                         | 1.0               | 44.6                         | 76.0              | -4.1              | 76.1                         | 356               | 0.27              | 0.0               | 1.0               | 29.5              | 43.7              | -31.6 | 54.0 | 324       | 0.9   | 0.0 | 1.0   | 0.258 | 0.0   | 1.0 | 29.2 | 42.7 | -32.1 | 53.5 | 322       | 0.9   | 0.0 | 1.0   |
| 357                                                                                                                                                                                                                               | 325        | 323        | 0.916            | 0.0                         | 1.0               | 44.8                         | 76.6              | -3.5              | 76.6                         | 357               | 0.282             | 0.0               | 1.0               | 29.9              | 44.6              | -31.1 | 54.4 | 325       | 0.917 | 0.0 | 1.0   | 0.269 | 0.0   | 1.0 | 29.5 | 43.5 | -31.7 | 53.9 | 323       | 0.917 | 0.0 | 1.0   |
| 357                                                                                                                                                                                                                               | 326        | 324        | 0.933            | 0.0                         | 1.0               | 45.1                         | 77.1              | -2.8              | 77.2                         | 357               | 0.293             | 0.0               | 1.0               | 30.2              | 45.5              | -30.6 | 54.8 | 326       | 0.933 | 0.0 | 1.0   | 0.28  | 0.0   | 1.0 | 29.8 | 44.4 | -31.2 | 54.3 | 324       | 0.933 | 0.0 | 1.0   |
| 358                                                                                                                                                                                                                               | 327        | 325        | 0.95             | 0.0                         | 1.0               | 45.3                         | 77.7              | -2.2              | 77.7                         | 358               | 0.304             | 0.0               | 1.0               | 30.6              | 46.4              | -30.0 | 55.3 | 327       | 0.95  | 0.0 | 1.0   | 0.29  | 0.0   | 1.0 | 30.1 | 45.2 | -30.7 | 54.7 | 325       | 0.95  | 0.0 | 1.0   |
| 358                                                                                                                                                                                                                               | 328        | 326        | 0.966            | 0.0                         | 1.0               | 45.6                         | 78.2              | -1.5              | 78.2                         | 358               | 0.315             | 0.0               | 1.0               | 30.9              | 47.2              | -29.4 | 55.7 | 328       | 0.967 | 0.0 | 1.0   | 0.301 | 0.0   | 1.0 | 30.5 | 46.1 | -30.2 | 55.1 | 326       | 0.967 | 0.0 | 1.0   |
| 359                                                                                                                                                                                                                               | 329        | 327        | 0.983            | 0.0                         | 1.0               | 45.8                         | 78.7              | -0.8              | 78.7                         | 359               | 0.326             | 0.0               | 1.0               | 31.3              | 48.1              | -28.8 | 56.1 | 329       | 0.983 | 0.0 | 1.0   | 0.311 | 0.0   | 1.0 | 30.8 | 46.9 | -29.6 | 55.6 | 327       | 0.983 | 0.0 | 1.0   |
| 359                                                                                                                                                                                                                               | 330        | 328        | 1.0              | 0.0                         | 1.0               | 46.1                         | 79.3              | -0.2              | 79.3                         | 359               | $M_d$ 0.337       | 0.0               | 1.0               | 31.6              | 49.0              | -28.2 | 56.6 | $M_s$ 330 | 1.0   | 0.0 | 1.0   | 0.322 | 0.0   | 1.0 | 31.1 | 47.8 | -29.1 | 56.0 | $M_e$ 328 | 1.0   | 0.0 | 1.0   |
| 360                                                                                                                                                                                                                               | 331        | 329        | 1.0              | 0.0                         | 0.983             | 46.1                         | 79.1              | 0.3               | 79.1                         | 360               | 0.349             | 0.0               | 1.0               | 32.0              | 49.9              | -27.5 | 57.0 | 331       | 1.0   | 0.0 | 0.983 | 0.332 | 0.0   | 1.0 | 31.5 | 48.6 | -28.5 | 56.4 | 329       | 1.0   | 0.0 | 0.983 |
| 360                                                                                                                                                                                                                               | 332        | 330        | 1.0              | 0.0                         | 0.966             | 46.0                         | 79.0              | 0.9               | 79.0                         | 360               | 0.36              | 0.0               | 1.0               | 32.3              | 50.7              | -26.9 | 57.5 | 332       | 1.0   | 0.0 | 0.967 | 0.343 | 0.0   | 1.0 | 31.8 | 49.4 | -27.9 | 56.8 | 330       | 1.0   | 0.0 | 0.967 |
| 361                                                                                                                                                                                                                               | 333        | 331        | 1.0              | 0.0                         | 0.95              | 46.0                         | 78.9              | 1.5               | 78.9                         | 361               | 0.371             | 0.0               | 1.0               | 32.7              | 51.6              | -26.2 | 57.9 | 333       | 1.0   | 0.0 | 0.95  | 0.354 | 0.0   | 1.0 | 32.1 | 5    |       |      |           |       |     |       |

vedere dei file simili: <http://130.149.60.45/~farbmetrik/Q197/Q197.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

Data of Maximum color M in colorimetric system Offset standard print; separation cmy0\*, 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  $RYGCBM_d$ :  $h_{ab,d} = 32.3, 96.1, 155.5, 238.4, 306.2, 359.8$ ; Six hue angles of the elementary colours  $RYGCBM_e$ :  $h_{ab,e} = 25.5, 92.3, 162.2, 217.0, 271.7, 328.6$

[illegible]

4-0031631-L0 QI970-70

LAB\*la0, YN=0%, XYZnw=3.6, 4.2, 6.1, 85.4, 89.1, 104.8, LAB\*nw=24.4, 0.0, 0.0, 95.6, 0.0, 0.0

uscita: Offset standard print; separation cmy0\*, D65, pagina 17/33

grafico TUB-QI97; codice di tinte: H\*d=G50Bd  
cerchio delle tinte a 48 passi; *rgb-LabCh\** tavole

immettere:  $rgb/cmyk \rightarrow rgb_d$   
uscita: trasferire a  $cmy0_d$

4-0031631-F0

C

M

Y

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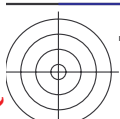
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-6



immettere: *rgb/cmyk* -> *rgb*<sub>d</sub>  
uscita: trasferire a *cmy*<sub>0d</sub>

grafico TUB-QI97; codice di tinte: H<sup>\*</sup><sub>d</sub>=G50B<sub>d</sub>

30

[illegible]

| http://130.149.60.45/~farbmetrik/QI97/QI97L0NP.PDF /.PS; uscita di trasferimento N: nessun 3D-linearizzazione (OL) nel file (F) o PS-startup (S), pagina 19/33 |               |       |        |       |       |        |        |        |     |        |        |        |     |        |        |        |     |        |        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------|--------|-------|-------|--------|--------|--------|-----|--------|--------|--------|-----|--------|--------|--------|-----|--------|--------|
| n/f                                                                                                                                                            | HfC*          | HfD*  | rgb_Fd | ic_Fd | hs_Fd | rgb_Fd | LabCh* | LabCh* | DF* | rgb_Fd | LabCh* | LabCh* | DF* | rgb_Fd | LabCh* | LabCh* | DF* | rgb_Fd | LabCh* |
| 0/648                                                                                                                                                          | R00Y_100_100a | 1.0   | 0.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 1/666                                                                                                                                                          | R25Y_100_100a | 1.0   | 0.25   | 0.0   | 0.0   | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    |
| 2/684                                                                                                                                                          | R50Y_100_100a | 1.0   | 0.5    | 0.0   | 0.0   | 0.466  | 0.0    | 0.0    | 0.0 | 0.466  | 0.0    | 0.0    | 0.0 | 0.466  | 0.0    | 0.0    | 0.0 | 0.466  | 0.0    |
| 3/702                                                                                                                                                          | R75Y_100_100a | 1.0   | 0.75   | 0.0   | 0.0   | 0.7    | 0.0    | 0.0    | 0.0 | 0.7    | 0.0    | 0.0    | 0.0 | 0.7    | 0.0    | 0.0    | 0.0 | 0.7    | 0.0    |
| 4/720                                                                                                                                                          | Y00C_100_100a | 1.0   | 1.0    | 0.0   | 0.0   | 1.0    | 0.0    | 0.0    | 0.0 | 1.0    | 0.0    | 0.0    | 0.0 | 1.0    | 0.0    | 0.0    | 0.0 | 1.0    | 0.0    |
| 5/558                                                                                                                                                          | Y25C_100_100a | 0.75  | 1.0    | 0.0   | 0.0   | 0.766  | 0.0    | 0.0    | 0.0 | 0.766  | 0.0    | 0.0    | 0.0 | 0.766  | 0.0    | 0.0    | 0.0 | 0.766  | 0.0    |
| 6/396                                                                                                                                                          | Y50C_100_100a | 0.5   | 1.0    | 0.0   | 0.0   | 0.5    | 0.0    | 0.0    | 0.0 | 0.5    | 0.0    | 0.0    | 0.0 | 0.5    | 0.0    | 0.0    | 0.0 | 0.5    | 0.0    |
| 7/234                                                                                                                                                          | Y75C_100_100a | 0.25  | 1.0    | 0.0   | 0.0   | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    | 0.0    | 0.0 | 0.233  | 0.0    |
| 8/72                                                                                                                                                           | G00B_100_100a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 9/72                                                                                                                                                           | G25B_100_100a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 10/76                                                                                                                                                          | G50B_100_100a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 11/80                                                                                                                                                          | G75B_100_100a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 12/44                                                                                                                                                          | B00M_100_100a | 0.0   | 0.0    | 1.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 13/8                                                                                                                                                           | B25R_100_100a | 0.0   | 0.0    | 1.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 14/332                                                                                                                                                         | B50R_100_100a | 0.5   | 0.0    | 1.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 15/656                                                                                                                                                         | B75R_100_100a | 1.0   | 0.0    | 1.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 16/652                                                                                                                                                         | B00R_100_100a | 1.0   | 0.0    | 0.5   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 17/648                                                                                                                                                         | R00Y_100_100a | 1.0   | 0.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 18/688                                                                                                                                                         | R00Y_100_050a | 1.0   | 0.5    | 0.5   | 0.0   | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    |
| 19/706                                                                                                                                                         | R50Y_100_050a | 1.0   | 0.75   | 0.5   | 0.0   | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    |
| 20/724                                                                                                                                                         | Y00C_100_050a | 1.0   | 1.0    | 0.5   | 0.0   | 1.0    | 0.5    | 0.5    | 0.0 | 1.0    | 0.5    | 0.5    | 0.0 | 1.0    | 0.5    | 0.5    | 0.0 | 1.0    | 0.5    |
| 21/542                                                                                                                                                         | Y50C_100_050a | 0.75  | 1.0    | 0.5   | 0.0   | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    |
| 22/400                                                                                                                                                         | G00B_100_050a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 23/468                                                                                                                                                         | G50B_100_050a | 0.0   | 1.0    | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 24/368                                                                                                                                                         | B00R_100_050a | 0.0   | 0.5    | 1.0   | 0.0   | 0.0    | 0.5    | 0.5    | 0.0 | 0.0    | 0.5    | 0.5    | 0.0 | 0.0    | 0.5    | 0.5    | 0.0 | 0.0    | 0.5    |
| 25/692                                                                                                                                                         | B50R_100_050a | 0.5   | 0.0    | 1.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    | 0.0    | 0.0 | 0.0    | 0.0    |
| 26/688                                                                                                                                                         | R00Y_100_050a | 1.0   | 0.5    | 0.5   | 0.0   | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    |
| 27/506                                                                                                                                                         | R00Y_075_050a | 0.75  | 0.25   | 0.25  | 0.5   | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   |
| 28/524                                                                                                                                                         | R50Y_075_050a | 0.75  | 0.5    | 0.25  | 0.5   | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    | 0.5    | 0.0 | 0.75   | 0.5    |
| 29/542                                                                                                                                                         | Y00C_075_050a | 0.75  | 0.75   | 0.25  | 0.5   | 0.75   | 0.75   | 0.25   | 0.5 | 0.75   | 0.75   | 0.25   | 0.5 | 0.75   | 0.75   | 0.25   | 0.5 | 0.75   | 0.75   |
| 30/218                                                                                                                                                         | G00B_075_050a | 0.25  | 0.75   | 0.25  | 0.5   | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   |
| 31/380                                                                                                                                                         | G00B_075_050a | 0.25  | 0.75   | 0.25  | 0.5   | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   |
| 32/222                                                                                                                                                         | G50B_075_050a | 0.25  | 0.75   | 0.25  | 0.5   | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   | 0.25   | 0.5 | 0.25   | 0.75   |
| 33/186                                                                                                                                                         | B00R_075_050a | 0.25  | 0.25   | 0.75  | 0.5   | 0.25   | 0.25   | 0.75   | 0.5 | 0.25   | 0.25   | 0.75   | 0.5 | 0.25   | 0.25   | 0.75   | 0.5 | 0.25   | 0.25   |
| 34/510                                                                                                                                                         | B50R_075_050a | 0.75  | 0.25   | 0.75  | 0.5   | 0.75   | 0.25   | 0.75   | 0.5 | 0.75   | 0.25   | 0.75   | 0.5 | 0.75   | 0.25   | 0.75   | 0.5 | 0.75   | 0.25   |
| 35/506                                                                                                                                                         | R00Y_075_050a | 0.75  | 0.25   | 0.25  | 0.5   | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   | 0.25   | 0.5 | 0.75   | 0.25   |
| 36/324                                                                                                                                                         | R00Y_050_050a | 0.5   | 0.0    | 0.0   | 0.5   | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    |
| 37/342                                                                                                                                                         | R50Y_050_050a | 0.5   | 0.25   | 0.0   | 0.5   | 0.5    | 0.25   | 0.0    | 0.5 | 0.5    | 0.25   | 0.0    | 0.5 | 0.5    | 0.25   | 0.0    | 0.5 | 0.5    | 0.25   |
| 38/360                                                                                                                                                         | Y00C_050_050a | 0.5   | 0.5    | 0.0   | 0.5   | 0.5    | 0.5    | 0.0    | 0.5 | 0.5    | 0.5    | 0.0    | 0.5 | 0.5    | 0.5    | 0.0    | 0.5 | 0.5    | 0.5    |
| 39/198                                                                                                                                                         | Y50C_050_050a | 0.25  | 0.5    | 0.0   | 0.5   | 0.25   | 0.5    | 0.0    | 0.5 | 0.25   | 0.5    | 0.0    | 0.5 | 0.25   | 0.5    | 0.0    | 0.5 | 0.25   | 0.5    |
| 40/36                                                                                                                                                          | G00B_050_050a | 0.0   | 0.5    | 0.0   | 0.5   | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    |
| 41/40                                                                                                                                                          | G50B_050_050a | 0.0   | 0.5    | 0.0   | 0.5   | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    | 0.0    | 0.5 | 0.0    | 0.5    |
| 42/4                                                                                                                                                           | B00R_050_050a | 0.0   | 0.0    | 0.5   | 0.5   | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.5    |
| 43/328                                                                                                                                                         | B50R_050_050a | 0.5   | 0.0    | 0.5   | 0.5   | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.5    |
| 44/324                                                                                                                                                         | R00Y_050_050a | 0.5   | 0.0    | 0.5   | 0.5   | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.0    | 0.5    | 0.5 | 0.0    | 0.5    |
| 45/0                                                                                                                                                           | NW_000a       | 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    | 0.0    |
| 46/91                                                                                                                                                          | NW_013a       | 0.125 | 0.125  | 0.125 | 0.0   | 0.125  | 0.125  | 0.125  | 0.0 | 0.125  | 0.125  | 0.125  | 0.0 | 0.125  | 0.125  | 0.125  | 0.0 | 0.125  | 0.125  |
| 47/182                                                                                                                                                         | NW_025a       | 0.25  | 0.25   | 0.25  | 0.0   | 0.25   | 0.25   | 0.25   | 0.0 | 0.25   | 0.25   | 0.25   | 0.0 | 0.25   | 0.25   | 0.25   | 0.0 | 0.25   | 0.25   |
| 48/273                                                                                                                                                         | NW_038a       | 0.375 | 0.375  | 0.375 | 0.0   | 0.375  | 0.375  | 0.375  | 0.0 | 0.375  | 0.375  | 0.375  | 0.0 | 0.375  | 0.375  | 0.375  | 0.0 | 0.375  | 0.375  |
| 49/364                                                                                                                                                         | NW_050a       | 0.5   | 0.5    | 0.5   | 0.0   | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    | 0.5    | 0.0 | 0.5    | 0.5    |
| 50/455                                                                                                                                                         | NW_063a       | 0.625 | 0.625  | 0.625 | 0.0   | 0.625  | 0.625  | 0.625  | 0.0 | 0.625  | 0.625  | 0.625  | 0.0 | 0.625  | 0.625  | 0.625  | 0.0 | 0.625  | 0.625  |
| 51/66                                                                                                                                                          | NW_075a       | 0.75  | 0.75   | 0.75  | 0.0   | 0.75   | 0.75   | 0.75   | 0.0 | 0.75   | 0.75   | 0.75   | 0.0 | 0.75   | 0.75   | 0.75   | 0.0 | 0.75   | 0.75   |
| 52/66                                                                                                                                                          | NW_088a       | 0.875 | 0.875  | 0.875 | 0.0   | 0.875  | 0.875  | 0.875  | 0.0 | 0.875  | 0.875  | 0.875  | 0.0 | 0.875  | 0.875  | 0.875  | 0.0 | 0.875  | 0.875  |
| 53/728                                                                                                                                                         | NW_100a       | 1.0   | 1.0    | 1.0   | 0.0   | 1.0    | 1.0    | 1.0    | 0.0 | 1.0    | 1.0    | 1.0    | 0.0 | 1.0    | 1.0    | 1.0    | 0.0 | 1.0    | 1.0    |







<http://130.149.60.45/~farbmetrik/QI97/QI97L0NP.PDF> /PS; uscita di trasferimento  
N: nessun 3D-linearizzazione (OL) nel file (F) o PS-startup (S), pagina 23/33

immettere: *rgb/cmyk* -> *rgba*  
uscita: trasferire a *cmy0d*

grafico TUB-QI97; codice di tinte: H\*d=G50Bd  
colori e la differenza, ΔE\*

QI97-7N, 2333-F

4-0032231-F0

| n   | H1C*Fd        | rgb-Fd            | icL-Fd            | hsa-Fd  | rgb*Fd            | LabCH*Fd  | LabCH*Fd  | rgb*Fd            | LabCH*Fd  | DF*Fd     | hsaNd     | rgbNd   | LabCH*Nd      |
|-----|---------------|-------------------|-------------------|---------|-------------------|-----------|-----------|-------------------|-----------|-----------|-----------|---------|---------------|
| 243 | R00Y.037.037a | 0.375 0.0 0.125   | 0.375 0.375 0.187 | 390 371 | 0.375 0.0 0.0     | 31.7 36.2 | 31.7 36.2 | 0.375 0.0 0.0     | 31.7 36.2 | 17.7 40.3 | 26.1 9.6  | 389 371 | 0.0 0.0 0.0   |
| 244 | R00Y.037.037a | 0.375 0.0 0.125   | 0.375 0.375 0.187 | 390 371 | 0.375 0.0 0.0     | 31.7 36.2 | 31.7 36.2 | 0.375 0.0 0.0     | 31.7 36.2 | 17.7 40.3 | 26.1 9.6  | 389 371 | 0.0 0.0 0.0   |
| 245 | B6SR.037.037a | 0.375 0.0 0.375   | 0.375 0.375 0.187 | 340 340 | 0.375 0.0 0.256   | 32.4 28.6 | 32.4 28.6 | 0.375 0.0 0.256   | 32.4 28.6 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 246 | B6SR.037.037a | 0.375 0.0 0.375   | 0.375 0.375 0.187 | 340 340 | 0.375 0.0 0.256   | 32.4 28.6 | 32.4 28.6 | 0.375 0.0 0.256   | 32.4 28.6 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 247 | B3KR.060.050a | 0.375 0.0 0.5     | 0.375 0.375 0.187 | 316 316 | 0.375 0.0 0.5     | 32.2 35.8 | 32.2 35.8 | 0.375 0.0 0.5     | 32.2 35.8 | 9.6 33.0  | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 248 | B3KR.060.050a | 0.375 0.0 0.5     | 0.375 0.375 0.187 | 316 316 | 0.375 0.0 0.5     | 32.2 35.8 | 32.2 35.8 | 0.375 0.0 0.5     | 32.2 35.8 | 9.6 33.0  | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 249 | B2SR.075.075a | 0.375 0.0 0.625   | 0.375 0.375 0.187 | 295 295 | 0.375 0.0 0.625   | 32.2 35.8 | 32.2 35.8 | 0.375 0.0 0.625   | 32.2 35.8 | 9.6 33.0  | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 250 | B2SR.075.075a | 0.375 0.0 0.625   | 0.375 0.375 0.187 | 295 295 | 0.375 0.0 0.625   | 32.2 35.8 | 32.2 35.8 | 0.375 0.0 0.625   | 32.2 35.8 | 9.6 33.0  | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 251 | B1KR.100.100a | 0.375 0.0 1.0     | 0.375 0.375 0.187 | 292 292 | 0.375 0.0 1.0     | 32.2 35.8 | 32.2 35.8 | 0.375 0.0 1.0     | 32.2 35.8 | 9.6 33.0  | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 252 | R31Y.037.037a | 0.375 0.0 1.0     | 0.375 0.375 0.187 | 49 49   | 0.375 0.118 0.0   | 36.4 17.1 | 36.4 17.1 | 0.375 0.118 0.0   | 36.4 17.1 | 11.2 22.2 | 28.1 32.2 | 389 389 | 0.0 0.0 0.0   |
| 253 | R00Y.037.037a | 0.375 0.125 0.125 | 0.375 0.375 0.187 | 390 390 | 0.375 0.125 0.125 | 38.6 18.7 | 38.6 18.7 | 0.375 0.125 0.125 | 38.6 18.7 | 11.2 22.2 | 28.1 32.2 | 389 389 | 0.0 0.0 0.0   |
| 254 | R00Y.037.037a | 0.375 0.125 0.125 | 0.375 0.375 0.187 | 390 390 | 0.375 0.125 0.125 | 38.6 18.7 | 38.6 18.7 | 0.375 0.125 0.125 | 38.6 18.7 | 11.2 22.2 | 28.1 32.2 | 389 389 | 0.0 0.0 0.0   |
| 255 | B5OR.037.025a | 0.375 0.125 0.375 | 0.375 0.375 0.187 | 330 330 | 0.375 0.124 0.375 | 38.7 19.8 | 38.7 19.8 | 0.375 0.124 0.375 | 38.7 19.8 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 256 | B5OR.037.025a | 0.375 0.125 0.375 | 0.375 0.375 0.187 | 330 330 | 0.375 0.124 0.375 | 38.7 19.8 | 38.7 19.8 | 0.375 0.124 0.375 | 38.7 19.8 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 257 | B3KR.060.050a | 0.375 0.125 0.625 | 0.375 0.375 0.187 | 311 311 | 0.375 0.124 0.625 | 38.8 29.3 | 38.8 29.3 | 0.375 0.124 0.625 | 38.8 29.3 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 258 | B3KR.060.050a | 0.375 0.125 0.625 | 0.375 0.375 0.187 | 311 311 | 0.375 0.124 0.625 | 38.8 29.3 | 38.8 29.3 | 0.375 0.124 0.625 | 38.8 29.3 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 259 | B1KR.100.100a | 0.375 0.125 1.0   | 0.375 0.375 0.187 | 286 286 | 0.375 0.125 1.0   | 38.8 29.3 | 38.8 29.3 | 0.375 0.125 1.0   | 38.8 29.3 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 260 | B1KR.100.100a | 0.375 0.125 1.0   | 0.375 0.375 0.187 | 286 286 | 0.375 0.125 1.0   | 38.8 29.3 | 38.8 29.3 | 0.375 0.125 1.0   | 38.8 29.3 | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 261 | R8Y.037.025a  | 0.375 0.25 0.0    | 0.375 0.375 0.187 | 71 71   | 0.375 0.256 0.0   | 43.2 4.1  | 43.2 4.1  | 0.375 0.256 0.0   | 43.2 4.1  | 30.1 30.4 | 82.1 82.1 | 67 67   | 0.0 0.0 0.0   |
| 262 | R8Y.037.025a  | 0.375 0.25 0.0    | 0.375 0.375 0.187 | 71 71   | 0.375 0.256 0.0   | 43.2 4.1  | 43.2 4.1  | 0.375 0.256 0.0   | 43.2 4.1  | 30.1 30.4 | 82.1 82.1 | 67 67   | 0.0 0.0 0.0   |
| 263 | R00Y.037.012a | 0.375 0.25 0.375  | 0.375 0.375 0.187 | 390 390 | 0.375 0.249 0.375 | 44.8 9.9  | 44.8 9.9  | 0.375 0.249 0.375 | 44.8 9.9  | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 264 | R00Y.037.012a | 0.375 0.25 0.375  | 0.375 0.375 0.187 | 390 390 | 0.375 0.249 0.375 | 44.8 9.9  | 44.8 9.9  | 0.375 0.249 0.375 | 44.8 9.9  | 10.5 33.0 | 31.9 10.5 | 348 348 | 0.0 0.0 0.0   |
| 265 | B2SR.060.025a | 0.375 0.25 0.5    | 0.375 0.375 0.187 | 300 300 | 0.375 0.249 0.5   | 44.9 14.6 | 44.9 14.6 | 0.375 0.249 0.5   | 44.9 14.6 | 11.0 20.9 | 32.0 32.0 | 389 389 | 0.0 0.0 0.0   |
| 266 | B2SR.060.025a | 0.375 0.25 0.5    | 0.375 0.375 0.187 | 300 300 | 0.375 0.249 0.5   | 44.9 14.6 | 44.9 14.6 | 0.375 0.249 0.5   | 44.9 14.6 | 11.0 20.9 | 32.0 32.0 | 389 389 | 0.0 0.0 0.0   |
| 267 | B1KR.100.075a | 0.375 0.25 1.0    | 0.375 0.375 0.187 | 284 284 | 0.375 0.25 1.0    | 44.9 14.6 | 44.9 14.6 | 0.375 0.25 1.0    | 44.9 14.6 | 11.0 20.9 | 32.0 32.0 | 389 389 | 0.0 0.0 0.0   |
| 268 | B1KR.100.075a | 0.375 0.25 1.0    | 0.375 0.375 0.187 | 284 284 | 0.375 0.25 1.0    | 44.9 14.6 | 44.9 14.6 | 0.375 0.25 1.0    | 44.9 14.6 | 11.0 20.9 | 32.0 32.0 | 389 389 | 0.0 0.0 0.0   |
| 269 | Y0C.037.037a  | 0.375 0.375 0.0   | 0.375 0.375 0.187 | 90 90   | 0.375 0.375 0.0   | 48.1 3.3  | 48.1 3.3  | 0.375 0.375 0.0   | 48.1 3.3  | 33.2 33.2 | 78.5 78.5 | 115 115 | 0.0 0.0 0.0   |
| 270 | Y0C.037.037a  | 0.375 0.375 0.0   | 0.375 0.375 0.187 | 90 90   | 0.375 0.375 0.0   | 48.1 3.3  | 48.1 3.3  | 0.375 0.375 0.0   | 48.1 3.3  | 33.2 33.2 | 78.5 78.5 | 115 115 | 0.0 0.0 0.0   |
| 271 | Y0C.037.025a  | 0.375 0.375 0.125 | 0.375 0.375 0.187 | 90 90   | 0.375 0.375 0.125 | 49.1 2.5  | 49.1 2.5  | 0.375 0.375 0.125 | 49.1 2.5  | 33.2 33.2 | 78.5 78.5 | 115 115 | 0.0 0.0 0.0   |
| 272 | Y0C.037.025a  | 0.375 0.375 0.125 | 0.375 0.375 0.187 | 90 90   | 0.375 0.375 0.125 | 49.1 2.5  | 49.1 2.5  | 0.375 0.375 0.125 | 49.1 2.5  | 33.2 33.2 | 78.5 78.5 | 115 115 | 0.0 0.0 0.0   |
| 273 | NW.037a       | 0.375 0.375 0.375 | 0.375 0.375 0.187 | 360 360 | 0.375 0.375 0.375 | 50.1 1.2  | 50.1 1.2  | 0.375 0.375 0.375 | 50.1 1.2  | 11.0 14.9 | 47.8 47.8 | 160 160 | 0.0 0.0 0.0   |
| 274 | B0R.050.012a  | 0.375 0.375 0.375 | 0.375 0.375 0.187 | 360 360 | 0.375 0.375 0.375 | 50.1 1.2  | 50.1 1.2  | 0.375 0.375 0.375 | 50.1 1.2  | 11.0 14.9 | 47.8 47.8 | 160 160 | 0.0 0.0 0.0   |
| 275 | B0R.062.012a  | 0.375 0.375 0.625 | 0.375 0.375 0.187 | 270 270 | 0.375 0.375 0.625 | 51.2 7.3  | 51.2 7.3  | 0.375 0.375 0.625 | 51.2 7.3  | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 276 | B0R.062.012a  | 0.375 0.375 0.625 | 0.375 0.375 0.187 | 270 270 | 0.375 0.375 0.625 | 51.2 7.3  | 51.2 7.3  | 0.375 0.375 0.625 | 51.2 7.3  | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 277 | B0R.075.037a  | 0.375 0.375 0.75  | 0.375 0.375 0.187 | 270 270 | 0.375 0.375 0.75  | 51.4 14.7 | 51.4 14.7 | 0.375 0.375 0.75  | 51.4 14.7 | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 278 | B0R.100.062a  | 0.375 0.375 1.0   | 0.375 0.375 0.187 | 270 270 | 0.375 0.375 1.0   | 51.5 18.4 | 51.5 18.4 | 0.375 0.375 1.0   | 51.5 18.4 | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 279 | Y23C.050.050a | 0.375 0.5 0.0     | 0.375 0.375 0.187 | 109 109 | 0.375 0.5 0.0     | 52.8 8.5  | 52.8 8.5  | 0.375 0.5 0.0     | 52.8 8.5  | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 280 | Y31C.050.037a | 0.375 0.5 0.25    | 0.375 0.375 0.187 | 120 120 | 0.375 0.5 0.25    | 53.7 7.4  | 53.7 7.4  | 0.375 0.5 0.25    | 53.7 7.4  | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0   |
| 281 | Y31C.050.037a | 0.375 0.5 0.25    | 0.375 0.375 0.187 | 120 120 | 0.375 0.5 0.25    | 53.7 7.4  | 53.7 7.4  | 0.375 0.5 0.25    | 53.7 7.4  | 12.2 22.2 | 33.0 33.0 | 389 389 | 0.0 0.0 0.0</ |







| n   | H1C*Fid       | rgb_Fid             | ic_Fid              | hs_Fid | rgb*Fid             | LabCH*Fid | LabCH*Fid | rgb**Fid            | LabCH**Fid | DF**Fid | hax_d | rgb**d | LabCH**d | LabCH**hd | 32.3 | 32.3 |
|-----|---------------|---------------------|---------------------|--------|---------------------|-----------|-----------|---------------------|------------|---------|-------|--------|----------|-----------|------|------|
| 567 | R00Y,007,087a | 0.875, 0.0, 0.0     | 0.875, 0.875, 0.437 | 390    | 0.875, 0.0, 0.0     | 42.8      | 62.0      | 0.875, 0.0, 0.0     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 568 | R36Y,007,087a | 0.875, 0.0, 0.125   | 0.875, 0.875, 0.437 | 392    | 0.875, 0.0, 0.125   | 42.9      | 62.0      | 0.875, 0.0, 0.125   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 569 | R23Y,007,087a | 0.875, 0.0, 0.25    | 0.875, 0.875, 0.437 | 394    | 0.875, 0.0, 0.25    | 43.0      | 62.0      | 0.875, 0.0, 0.25    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 570 | R09Y,007,087a | 0.875, 0.0, 0.375   | 0.875, 0.875, 0.437 | 396    | 0.875, 0.0, 0.375   | 43.1      | 62.0      | 0.875, 0.0, 0.375   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 571 | B70K,007,087a | 0.875, 0.0, 0.5     | 0.875, 0.875, 0.437 | 398    | 0.875, 0.0, 0.5     | 43.2      | 62.0      | 0.875, 0.0, 0.5     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 572 | B63K,007,087a | 0.875, 0.0, 0.625   | 0.875, 0.875, 0.437 | 399    | 0.875, 0.0, 0.625   | 43.2      | 62.0      | 0.875, 0.0, 0.625   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 573 | B56K,007,087a | 0.875, 0.0, 0.75    | 0.875, 0.875, 0.437 | 399    | 0.875, 0.0, 0.75    | 43.2      | 62.0      | 0.875, 0.0, 0.75    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 574 | B49K,100,100a | 0.875, 0.0, 1.0     | 0.875, 0.875, 0.437 | 399    | 0.875, 0.0, 1.0     | 43.2      | 62.0      | 0.875, 0.0, 1.0     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 575 | B50K,007,087a | 0.875, 0.0125, 0.0  | 0.875, 0.875, 0.437 | 399    | 0.875, 0.0125, 0.0  | 43.2      | 62.0      | 0.875, 0.0125, 0.0  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 576 | R13Y,100,087a | 0.875, 0.125, 0.0   | 0.875, 0.875, 0.437 | 399    | 0.875, 0.125, 0.0   | 43.2      | 62.0      | 0.875, 0.125, 0.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 577 | R00Y,007,075a | 0.875, 0.125, 0.125 | 0.875, 0.75, 0.5    | 390    | 0.875, 0.125, 0.125 | 43.2      | 62.0      | 0.875, 0.125, 0.125 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 578 | R33Y,007,075a | 0.875, 0.125, 0.25  | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 0.25  | 43.2      | 62.0      | 0.875, 0.125, 0.25  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 579 | R09Y,007,075a | 0.875, 0.125, 0.375 | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 0.375 | 43.2      | 62.0      | 0.875, 0.125, 0.375 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 580 | R00Y,007,075a | 0.875, 0.125, 0.5   | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 0.5   | 43.2      | 62.0      | 0.875, 0.125, 0.5   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 581 | B65K,007,075a | 0.875, 0.125, 0.625 | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 0.625 | 43.2      | 62.0      | 0.875, 0.125, 0.625 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 582 | B57K,007,075a | 0.875, 0.125, 0.75  | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 0.75  | 43.2      | 62.0      | 0.875, 0.125, 0.75  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 583 | B49K,100,075a | 0.875, 0.125, 1.0   | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 1.0   | 43.2      | 62.0      | 0.875, 0.125, 1.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 584 | B43K,100,087a | 0.875, 0.125, 1.0   | 0.875, 0.75, 0.5    | 391    | 0.875, 0.125, 1.0   | 43.2      | 62.0      | 0.875, 0.125, 1.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 585 | R15Y,007,075a | 0.875, 0.25, 0.0    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.0    | 43.2      | 62.0      | 0.875, 0.25, 0.0    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 586 | R00Y,007,075a | 0.875, 0.25, 0.125  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.125  | 43.2      | 62.0      | 0.875, 0.25, 0.125  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 587 | R00Y,007,062a | 0.875, 0.25, 0.25   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.25   | 43.2      | 62.0      | 0.875, 0.25, 0.25   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 588 | R31Y,007,062a | 0.875, 0.25, 0.375  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.375  | 43.2      | 62.0      | 0.875, 0.25, 0.375  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 589 | B09K,007,062a | 0.875, 0.25, 0.5    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.5    | 43.2      | 62.0      | 0.875, 0.25, 0.5    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 590 | B09K,007,062a | 0.875, 0.25, 0.625  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.625  | 43.2      | 62.0      | 0.875, 0.25, 0.625  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 591 | B59K,007,062a | 0.875, 0.25, 0.75   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 0.75   | 43.2      | 62.0      | 0.875, 0.25, 0.75   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 592 | B49K,100,075a | 0.875, 0.25, 1.0    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 1.0    | 43.2      | 62.0      | 0.875, 0.25, 1.0    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 593 | B43K,100,075a | 0.875, 0.25, 1.0    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.25, 1.0    | 43.2      | 62.0      | 0.875, 0.25, 1.0    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 594 | R15Y,007,075a | 0.875, 0.375, 0.0   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.0   | 43.2      | 62.0      | 0.875, 0.375, 0.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 595 | R00Y,007,075a | 0.875, 0.375, 0.125 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.125 | 43.2      | 62.0      | 0.875, 0.375, 0.125 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 596 | R00Y,007,062a | 0.875, 0.375, 0.25  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.25  | 43.2      | 62.0      | 0.875, 0.375, 0.25  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 597 | R26Y,007,050a | 0.875, 0.375, 0.375 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.375 | 43.2      | 62.0      | 0.875, 0.375, 0.375 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 598 | R00Y,007,050a | 0.875, 0.375, 0.5   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.5   | 43.2      | 62.0      | 0.875, 0.375, 0.5   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 599 | B09K,007,050a | 0.875, 0.375, 0.625 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.625 | 43.2      | 62.0      | 0.875, 0.375, 0.625 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 600 | B09K,007,050a | 0.875, 0.375, 0.75  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 0.75  | 43.2      | 62.0      | 0.875, 0.375, 0.75  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 601 | B49K,100,062a | 0.875, 0.375, 1.0   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.375, 1.0   | 43.2      | 62.0      | 0.875, 0.375, 1.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 602 | R59Y,007,075a | 0.875, 0.5, 0.0     | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.0     | 43.2      | 62.0      | 0.875, 0.5, 0.0     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 603 | R59Y,007,075a | 0.875, 0.5, 0.125   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.125   | 43.2      | 62.0      | 0.875, 0.5, 0.125   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 604 | R59Y,007,062a | 0.875, 0.5, 0.25    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.25    | 43.2      | 62.0      | 0.875, 0.5, 0.25    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 605 | R23Y,007,050a | 0.875, 0.5, 0.375   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.375   | 43.2      | 62.0      | 0.875, 0.5, 0.375   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 606 | R00Y,007,037a | 0.875, 0.5, 0.5     | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.5     | 43.2      | 62.0      | 0.875, 0.5, 0.5     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 607 | R00Y,007,037a | 0.875, 0.5, 0.625   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.625   | 43.2      | 62.0      | 0.875, 0.5, 0.625   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 608 | B65K,007,037a | 0.875, 0.5, 0.75    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.75    | 43.2      | 62.0      | 0.875, 0.5, 0.75    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 609 | B65K,007,037a | 0.875, 0.5, 0.875   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 0.875   | 43.2      | 62.0      | 0.875, 0.5, 0.875   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 610 | B50K,007,037a | 0.875, 0.5, 1.0     | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 1.0     | 43.2      | 62.0      | 0.875, 0.5, 1.0     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 611 | B38K,100,050a | 0.875, 0.5, 1.0     | 0.875, 0.875, 0.437 | 391    | 0.875, 0.5, 1.0     | 43.2      | 62.0      | 0.875, 0.5, 1.0     | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 612 | R73Y,007,075a | 0.875, 0.625, 0.0   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.0   | 43.2      | 62.0      | 0.875, 0.625, 0.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 613 | R68Y,007,075a | 0.875, 0.625, 0.125 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.125 | 43.2      | 62.0      | 0.875, 0.625, 0.125 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 614 | R61Y,007,062a | 0.875, 0.625, 0.25  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.25  | 43.2      | 62.0      | 0.875, 0.625, 0.25  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 615 | R00Y,007,050a | 0.875, 0.625, 0.375 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.375 | 43.2      | 62.0      | 0.875, 0.625, 0.375 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 616 | R31Y,007,050a | 0.875, 0.625, 0.5   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.5   | 43.2      | 62.0      | 0.875, 0.625, 0.5   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 617 | R00Y,007,025a | 0.875, 0.625, 0.625 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.625 | 43.2      | 62.0      | 0.875, 0.625, 0.625 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 618 | R00Y,007,025a | 0.875, 0.625, 0.75  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.75  | 43.2      | 62.0      | 0.875, 0.625, 0.75  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 619 | B50K,007,025a | 0.875, 0.625, 0.875 | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 0.875 | 43.2      | 62.0      | 0.875, 0.625, 0.875 | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 620 | R61Y,007,025a | 0.875, 0.625, 1.0   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.625, 1.0   | 43.2      | 62.0      | 0.875, 0.625, 1.0   | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 621 | R61Y,007,025a | 0.875, 0.75, 0.0    | 0.875, 0.875, 0.437 | 391    | 0.875, 0.75, 0.0    | 43.2      | 62.0      | 0.875, 0.75, 0.0    | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 622 | R61Y,007,025a | 0.875, 0.75, 0.125  | 0.875, 0.875, 0.437 | 391    | 0.875, 0.75, 0.125  | 43.2      | 62.0      | 0.875, 0.75, 0.125  | 43.2       | 65.4    | 3.6   | 389    | 1.0      | 0.0       | 45.4 | 70.9 |
| 623 | R61Y,007,025a | 0.875, 0.75, 0.25   | 0.875, 0.875, 0.437 | 391    | 0.875, 0.75, 0.25   | 43.2      | 62.0      | 0.875, 0.75, 0.25   | 43.2       | 65.4    | 3.6   | 389    | 1.       |           |      |      |

vedere dei file simili: <http://130.149.60.45/~farbmetrik/QI97/QI97.HTM>  
informazioni tecniche: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

<http://130.149.60.45/~farbmatrik/QI97/QI97L0NP.PDF> /PS; uscita di trasferimento N: nessun 3D-linearizzazione (OL) nel file (F) o PS-startup (S), pagina 28/33

immettere: *rgb/cmyk* -> *rgb*<sub>d</sub>  
uscita: trasferire a *cmy*<sub>0d</sub>

grafico TUB-QI97; codice di tinte: H<sup>\*</sup><sub>d</sub>=G50B<sub>d</sub>

|     | HC <sup>+</sup> Fd | h <sub>3</sub> <sup>+</sup> Fd | rgb <sup>+</sup> Fd | LabCh <sup>+</sup> Fd | rgb <sup>+</sup> Fd | LabCh <sup>+</sup> Fd | DE <sup>+</sup> Fd | h <sub>3</sub> Δ <sup>+</sup> Fd | rgb <sup>+</sup> Δ <sup>+</sup> Fd | LabCh <sup>+</sup> Δ <sup>+</sup> Fd |        |
|-----|--------------------|--------------------------------|---------------------|-----------------------|---------------------|-----------------------|--------------------|----------------------------------|------------------------------------|--------------------------------------|--------|
| 1   |                    |                                |                     |                       |                     |                       |                    |                                  |                                    |                                      |        |
| 248 | ROY1_100_100a      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.4                             | 70.9                               | 44.8                                 | 83.9   |
| 249 | ROY1_100_100b      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.5                             | 71.4                               | 40.4                                 | 82.1   |
| 250 | ROY1_100_100c      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.6                             | 72.1                               | 35.3                                 | 80.3   |
| 251 | ROY1_100_100d      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.7                             | 72.8                               | 31.2                                 | 78.4   |
| 252 | ROY1_100_100e      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.8                             | 73.5                               | 27.1                                 | 76.5   |
| 253 | ROY1_100_100f      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 45.9                             | 74.2                               | 23.1                                 | 74.6   |
| 254 | ROY1_100_100g      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.0                             | 75.0                               | 19.1                                 | 72.7   |
| 255 | ROY1_100_100h      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.1                             | 75.8                               | 15.1                                 | 70.8   |
| 256 | ROY1_100_100i      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.2                             | 76.6                               | 11.1                                 | 68.9   |
| 257 | ROY1_100_100j      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.3                             | 77.4                               | 7.1                                  | 67.0   |
| 258 | ROY1_100_100k      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.4                             | 78.2                               | 3.1                                  | 65.1   |
| 259 | ROY1_100_100l      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.5                             | 79.0                               | -0.9                                 | 63.2   |
| 260 | ROY1_100_100m      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.6                             | 79.8                               | -4.9                                 | 61.3   |
| 261 | ROY1_100_100n      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.7                             | 80.6                               | -8.9                                 | 59.4   |
| 262 | ROY1_100_100o      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.8                             | 81.4                               | -12.9                                | 57.5   |
| 263 | ROY1_100_100p      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 46.9                             | 82.2                               | -16.9                                | 55.6   |
| 264 | ROY1_100_100q      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.0                             | 83.0                               | -20.9                                | 53.7   |
| 265 | ROY1_100_100r      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.1                             | 83.8                               | -24.9                                | 51.8   |
| 266 | ROY1_100_100s      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.2                             | 84.6                               | -28.9                                | 49.9   |
| 267 | ROY1_100_100t      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.3                             | 85.4                               | -32.9                                | 48.0   |
| 268 | ROY1_100_100u      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.4                             | 86.2                               | -36.9                                | 46.1   |
| 269 | ROY1_100_100v      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.5                             | 87.0                               | -40.9                                | 44.2   |
| 270 | ROY1_100_100w      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.6                             | 87.8                               | -44.9                                | 42.3   |
| 271 | ROY1_100_100x      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.7                             | 88.6                               | -48.9                                | 40.4   |
| 272 | ROY1_100_100y      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.8                             | 89.4                               | -52.9                                | 38.5   |
| 273 | ROY1_100_100z      | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 47.9                             | 90.2                               | -56.9                                | 36.6   |
| 274 | ROY1_100_100aa     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.0                             | 91.0                               | -60.9                                | 34.7   |
| 275 | ROY1_100_100ab     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.1                             | 91.8                               | -64.9                                | 32.8   |
| 276 | ROY1_100_100ac     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.2                             | 92.6                               | -68.9                                | 30.9   |
| 277 | ROY1_100_100ad     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.3                             | 93.4                               | -72.9                                | 29.0   |
| 278 | ROY1_100_100ae     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.4                             | 94.2                               | -76.9                                | 27.1   |
| 279 | ROY1_100_100af     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.5                             | 95.0                               | -80.9                                | 25.2   |
| 280 | ROY1_100_100ag     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.6                             | 95.8                               | -84.9                                | 23.3   |
| 281 | ROY1_100_100ah     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.7                             | 96.6                               | -88.9                                | 21.4   |
| 282 | ROY1_100_100ai     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.8                             | 97.4                               | -92.9                                | 19.5   |
| 283 | ROY1_100_100aj     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 48.9                             | 98.2                               | -96.9                                | 17.6   |
| 284 | ROY1_100_100ak     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.0                             | 99.0                               | -100.9                               | 15.7   |
| 285 | ROY1_100_100al     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.1                             | 99.8                               | -104.9                               | 13.8   |
| 286 | ROY1_100_100am     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.2                             | 100.6                              | -108.9                               | 11.9   |
| 287 | ROY1_100_100an     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.3                             | 101.4                              | -112.9                               | 10.0   |
| 288 | ROY1_100_100ao     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.4                             | 102.2                              | -116.9                               | 8.1    |
| 289 | ROY1_100_100ap     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.5                             | 103.0                              | -120.9                               | 6.2    |
| 290 | ROY1_100_100aq     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.6                             | 103.8                              | -124.9                               | 4.3    |
| 291 | ROY1_100_100ar     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.7                             | 104.6                              | -128.9                               | 2.4    |
| 292 | ROY1_100_100as     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.8                             | 105.4                              | -132.9                               | 0.5    |
| 293 | ROY1_100_100at     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 49.9                             | 106.2                              | -136.9                               | -1.4   |
| 294 | ROY1_100_100au     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.0                             | 107.0                              | -140.9                               | -3.3   |
| 295 | ROY1_100_100av     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.1                             | 107.8                              | -144.9                               | -5.2   |
| 296 | ROY1_100_100aw     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.2                             | 108.6                              | -148.9                               | -7.1   |
| 297 | ROY1_100_100ax     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.3                             | 109.4                              | -152.9                               | -9.0   |
| 298 | ROY1_100_100ay     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.4                             | 110.2                              | -156.9                               | -10.9  |
| 299 | ROY1_100_100az     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.5                             | 111.0                              | -160.9                               | -12.8  |
| 300 | ROY1_100_100ba     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.6                             | 111.8                              | -164.9                               | -14.7  |
| 301 | ROY1_100_100bb     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.7                             | 112.6                              | -168.9                               | -16.6  |
| 302 | ROY1_100_100bc     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.8                             | 113.4                              | -172.9                               | -18.5  |
| 303 | ROY1_100_100bd     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 50.9                             | 114.2                              | -176.9                               | -20.4  |
| 304 | ROY1_100_100be     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.0                             | 115.0                              | -180.9                               | -22.3  |
| 305 | ROY1_100_100bf     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.1                             | 115.8                              | -184.9                               | -24.2  |
| 306 | ROY1_100_100bg     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.2                             | 116.6                              | -188.9                               | -26.1  |
| 307 | ROY1_100_100bh     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.3                             | 117.4                              | -192.9                               | -28.0  |
| 308 | ROY1_100_100bi     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.4                             | 118.2                              | -196.9                               | -29.9  |
| 309 | ROY1_100_100bj     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.5                             | 119.0                              | -200.9                               | -31.8  |
| 310 | ROY1_100_100bk     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.6                             | 119.8                              | -204.9                               | -33.7  |
| 311 | ROY1_100_100bl     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.7                             | 120.6                              | -208.9                               | -35.6  |
| 312 | ROY1_100_100bm     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.8                             | 121.4                              | -212.9                               | -37.5  |
| 313 | ROY1_100_100bn     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 51.9                             | 122.2                              | -216.9                               | -39.4  |
| 314 | ROY1_100_100bo     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.0                             | 123.0                              | -220.9                               | -41.3  |
| 315 | ROY1_100_100bp     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.1                             | 123.8                              | -224.9                               | -43.2  |
| 316 | ROY1_100_100bq     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.2                             | 124.6                              | -228.9                               | -45.1  |
| 317 | ROY1_100_100br     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.3                             | 125.4                              | -232.9                               | -47.0  |
| 318 | ROY1_100_100bs     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.4                             | 126.2                              | -236.9                               | -48.9  |
| 319 | ROY1_100_100bt     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.5                             | 127.0                              | -240.9                               | -50.8  |
| 320 | ROY1_100_100bu     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.6                             | 127.8                              | -244.9                               | -52.7  |
| 321 | ROY1_100_100bv     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.7                             | 128.6                              | -248.9                               | -54.6  |
| 322 | ROY1_100_100bw     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.8                             | 129.4                              | -252.9                               | -56.5  |
| 323 | ROY1_100_100bx     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 52.9                             | 130.2                              | -256.9                               | -58.4  |
| 324 | ROY1_100_100by     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.0                             | 131.0                              | -260.9                               | -60.3  |
| 325 | ROY1_100_100bz     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.1                             | 131.8                              | -264.9                               | -62.2  |
| 326 | ROY1_100_100ca     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.2                             | 132.6                              | -268.9                               | -64.1  |
| 327 | ROY1_100_100cb     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.3                             | 133.4                              | -272.9                               | -66.0  |
| 328 | ROY1_100_100cc     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.4                             | 134.2                              | -276.9                               | -67.9  |
| 329 | ROY1_100_100cd     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.5                             | 135.0                              | -280.9                               | -69.8  |
| 330 | ROY1_100_100ce     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.6                             | 135.8                              | -284.9                               | -71.7  |
| 331 | ROY1_100_100cf     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.7                             | 136.6                              | -288.9                               | -73.6  |
| 332 | ROY1_100_100cg     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.8                             | 137.4                              | -292.9                               | -75.5  |
| 333 | ROY1_100_100ch     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 53.9                             | 138.2                              | -296.9                               | -77.4  |
| 334 | ROY1_100_100ci     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.0                             | 139.0                              | -300.9                               | -79.3  |
| 335 | ROY1_100_100cj     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.1                             | 139.8                              | -304.9                               | -81.2  |
| 336 | ROY1_100_100ck     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.2                             | 140.6                              | -308.9                               | -83.1  |
| 337 | ROY1_100_100cl     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.3                             | 141.4                              | -312.9                               | -85.0  |
| 338 | ROY1_100_100cm     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.4                             | 142.2                              | -316.9                               | -86.9  |
| 339 | ROY1_100_100cn     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.5                             | 143.0                              | -320.9                               | -88.8  |
| 340 | ROY1_100_100co     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.6                             | 143.8                              | -324.9                               | -90.7  |
| 341 | ROY1_100_100cp     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.7                             | 144.6                              | -328.9                               | -92.6  |
| 342 | ROY1_100_100cq     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.8                             | 145.4                              | -332.9                               | -94.5  |
| 343 | ROY1_100_100cr     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 54.9                             | 146.2                              | -336.9                               | -96.4  |
| 344 | ROY1_100_100cs     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.0                             | 147.0                              | -340.9                               | -98.3  |
| 345 | ROY1_100_100ct     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.1                             | 147.8                              | -344.9                               | -100.2 |
| 346 | ROY1_100_100cu     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.2                             | 148.6                              | -348.9                               | -102.1 |
| 347 | ROY1_100_100cv     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.3                             | 149.4                              | -352.9                               | -104.0 |
| 348 | ROY1_100_100cw     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.4                             | 150.2                              | -356.9                               | -105.9 |
| 349 | ROY1_100_100cx     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.5                             | 151.0                              | -360.9                               | -107.8 |
| 350 | ROY1_100_100cy     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.6                             | 151.8                              | -364.9                               | -109.7 |
| 351 | ROY1_100_100cz     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.7                             | 152.6                              | -368.9                               | -111.6 |
| 352 | ROY1_100_100da     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.8                             | 153.4                              | -372.9                               | -113.5 |
| 353 | ROY1_100_100db     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 55.9                             | 154.2                              | -376.9                               | -115.4 |
| 354 | ROY1_100_100dc     | 1.0                            | 0.0                 | 0.0                   | 0.0                 | 0.0                   | 0.0                | 56.0                             | 155.0                              | -380.9                               | -117.3 |
| 355 | ROY1_100_100dd     | 1.0                            |                     |                       |                     |                       |                    |                                  |                                    |                                      |        |









