

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 152/360 = 0.42$

$H^*_- = G00B_-$

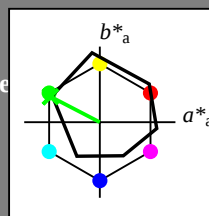
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_-$

código de tono para les colore esta página:

$H^*_- = G00B_-$

triángulo claridad  $T^*$



| ORS18a; datos adaptados CIELAB (a) |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
| name                               | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R-,Ma                              | 47.9        | 65.3    | 50.5    | 82.6         | 37           |
| Y-,Ma                              | 90.3        | -10.2   | 91.7    | 92.3         | 96           |
| G-,Ma                              | 50.9        | -62.8   | 34.9    | 71.9         | 150          |
| C-,Ma                              | 58.6        | -30.3   | -45.0   | 54.2         | 236          |
| B-,Ma                              | 25.7        | 31.0    | -44.4   | 54.2         | 305          |
| M-,Ma                              | 48.1        | 75.2    | -8.3    | 75.7         | 353          |
| N-,Ma                              | 18.0        | 0.0     | 0.0     | 0.0          | 0            |
| W-,Ma                              | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R-,CIE                             | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y-,CIE                             | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G-,CIE                             | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B-,CIE                             | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Los datos de color máximo (Ma):

$LabCh^*_- ,Ma$ : 55 -65 33 73 152

$HIC^*_- ,Ma$ : G00B\_100\_100-

$rgbic^*_- ,Ma$ :

0.0 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gama

$u^*_{rel} = 92$

%Regularidad

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

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

| ORS20a; datos adaptados 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         | 31           |
| R25Y_100_100-                      | 56.8        | 48.0    | 50.5    | 69.6         | 46           |
| R50Y_100_100-                      | 68.6        | 25.0    | 63.9    | 68.6         | 68           |
| R75Y_100_100-                      | 80.6        | 4.8     | 77.2    | 77.3         | 86           |
| Y00G_100_100-                      | 90.2        | -9.6    | 88.2    | 88.7         | 96           |
| Y25G_100_100-                      | 83.2        | -18.4   | 79.9    | 81.9         | 102          |
| Y50G_100_100-                      | 73.3        | -31.7   | 62.7    | 70.2         | 116          |
| Y75G_100_100-                      | 62.0        | -49.7   | 43.2    | 65.8         | 139          |
| G00B_100_100-                      | 55.8        | -65.2   | 33.8    | 73.4         | 152          |
| G25B_100_100-                      | 59.3        | -50.3   | -9.0    | 51.0         | 190          |
| G50B_100_100-                      | 63.0        | -30.5   | -42.0   | 51.9         | 234          |
| G75B_100_100-                      | 45.7        | -5.7    | -44.6   | 44.9         | 262          |
| B00R_100_100-                      | 27.5        | 25.9    | -47.3   | 53.9         | 298          |
| B25R_100_100-                      | 38.3        | 52.6    | -28.5   | 59.8         | 331          |
| B50R_100_100-                      | 49.5        | 73.5    | -9.0    | 74.0         | 353          |
| B75R_100_100-                      | 48.9        | 69.3    | 12.9    | 70.4         | 10           |

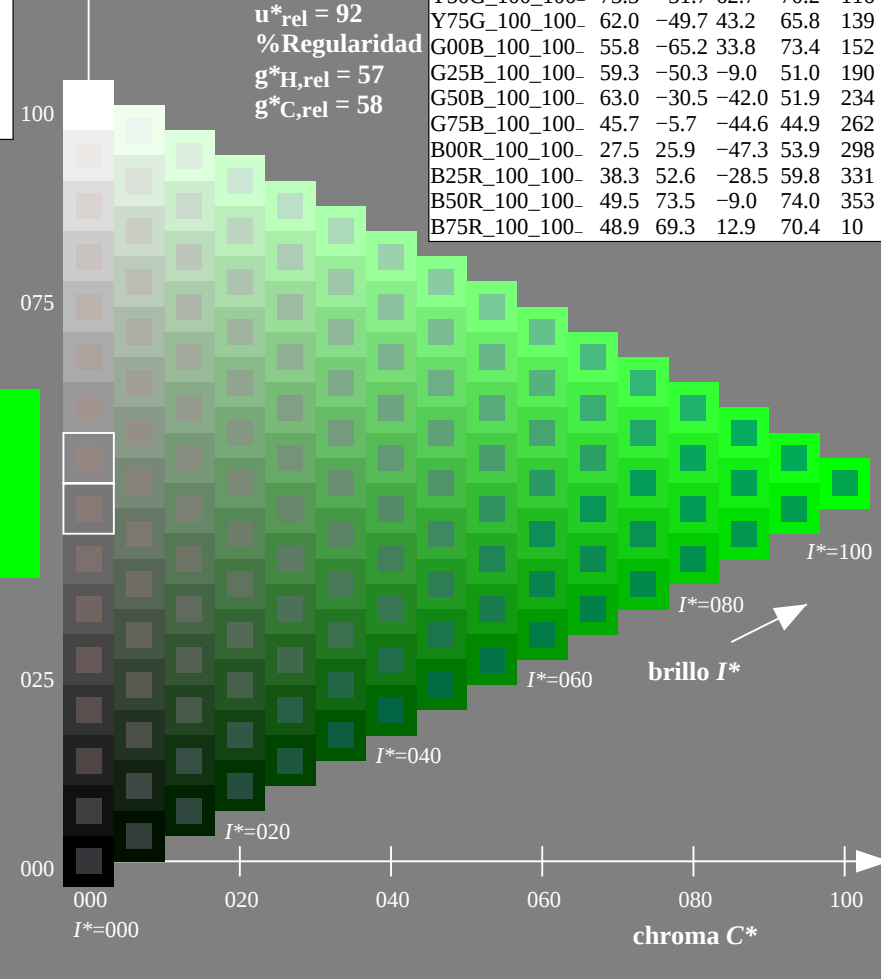
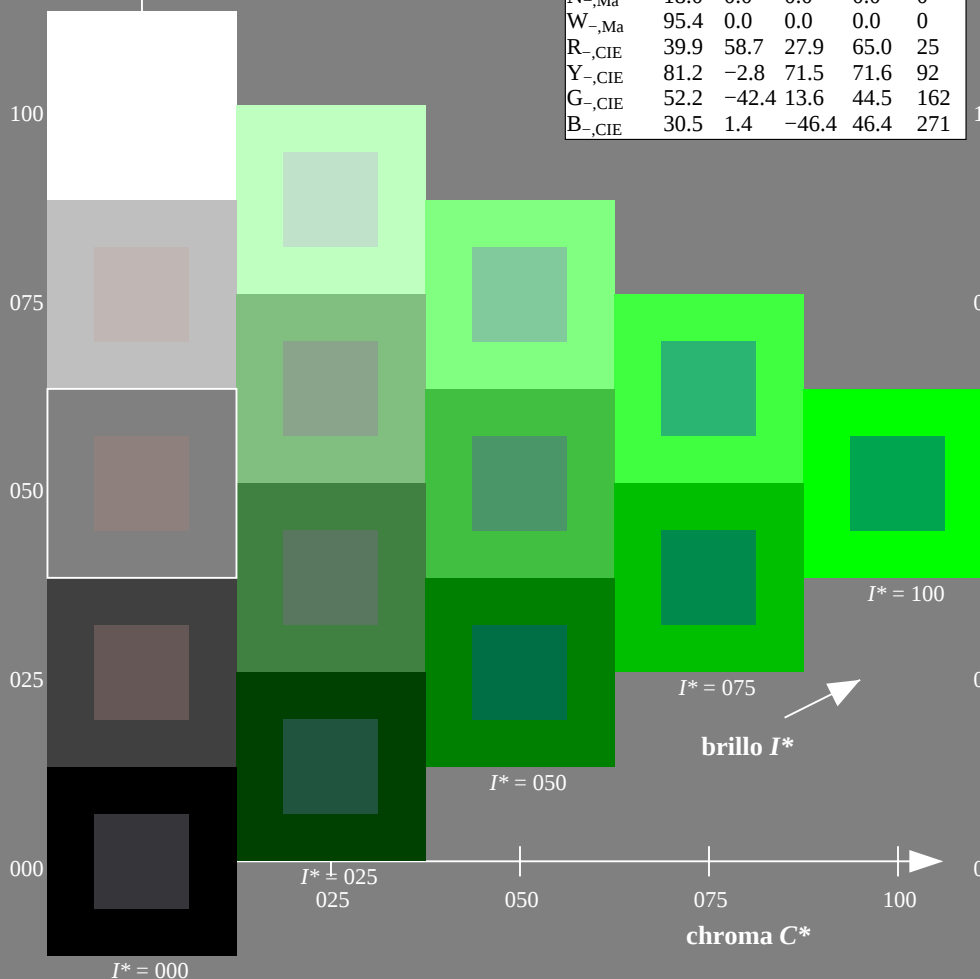


gráfico TUB-QS73; código de tono:  $H^*_- = G00B_-$   
gráfico según a DIN 33872, 3D=1, de=0,  $cmk^*$

entrada:  $rgb/cmyk \rightarrow rgb/cmyk$   
salida: ningún cambio

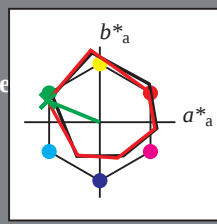
TUB matrícula: 20130201-QS73/QS73L0FA.TXT /.PS  
aplicación para la medida salida en la impresión offset

TUB material: code=rha4ta

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 157/360 = 0.43$

$H^*_d = G00B_d$

Datos del dispositivo (d) o elemental (e) color:  
 $HIC^*_d$   
código de tono para les colore esta página:  
 $H^*_d = G00B_d$   
triángulo claridad  $T^*$



**ORS20a; datos adaptados CIELAB (a)**

| name        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-------------|-------------|---------|---------|--------------|--------------|
| $R_{d,Ma}$  | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| $Y_{d,Ma}$  | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| $G_{d,Ma}$  | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| $C_{d,Ma}$  | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| $B_{d,Ma}$  | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| $M_{d,Ma}$  | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| $N_{d,Ma}$  | 17.7        | 0.0     | 0.0     | 0.0          | 0            |
| $W_{d,Ma}$  | 95.4        | 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          |

Los datos de color máximo (Ma):  
 $LabCh^*_d, Ma: 51 -68 28 74 157$

$HIC^*_d, Ma: G00B\_100\_100_d$

$rgbic^*_d, Ma:$

0.0 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

% Gama  
 $u^*_{rel} = 92$   
% Regularidad  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

**ORS20a; datos adaptados CIELAB (a)**

| $H^*_d$            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| $R00Y\_100\_100_d$ | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| $R25Y\_100\_100_d$ | 55.3        | 45.8    | 52.2    | 69.5         | 48           |
| $R50Y\_100\_100_d$ | 67.2        | 22.6    | 67.6    | 71.2         | 71           |
| $R75Y\_100\_100_d$ | 79.9        | 1.0     | 83.9    | 83.9         | 89           |
| $Y00G\_100\_100_d$ | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| $Y25G\_100\_100_d$ | 83.3        | -19.2   | 83.7    | 85.9         | 102          |
| $Y50G\_100\_100_d$ | 72.7        | -31.3   | 66.0    | 73.1         | 115          |
| $Y75G\_100\_100_d$ | 60.4        | -48.8   | 46.7    | 67.6         | 136          |
| $G00B\_100\_100_d$ | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| $G25B\_100\_100_d$ | 54.8        | -51.0   | -12.3   | 52.5         | 193          |
| $G50B\_100\_100_d$ | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| $G75B\_100\_100_d$ | 42.7        | -6.0    | -45.0   | 45.4         | 262          |
| $B00R\_100\_100_d$ | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| $B25R\_100\_100_d$ | 37.8        | 53.8    | -26.3   | 59.9         | 333          |
| $B50R\_100\_100_d$ | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| $B75R\_100\_100_d$ | 47.7        | 67.7    | 14.0    | 69.1         | 11           |

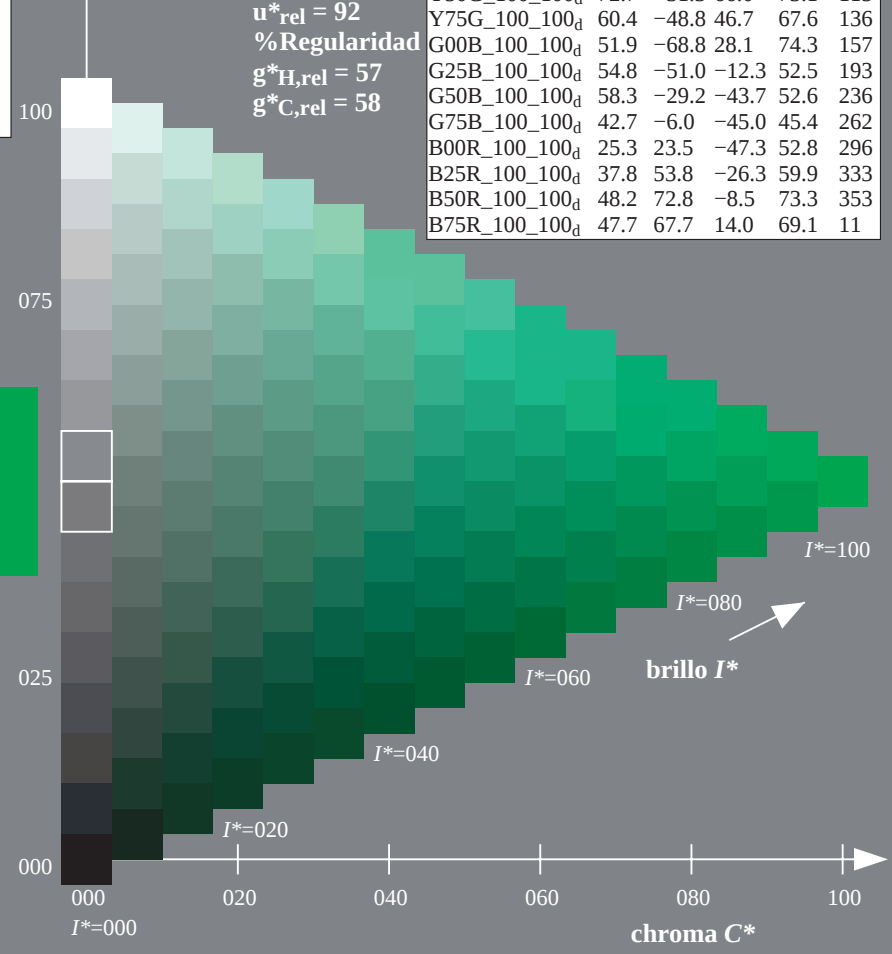
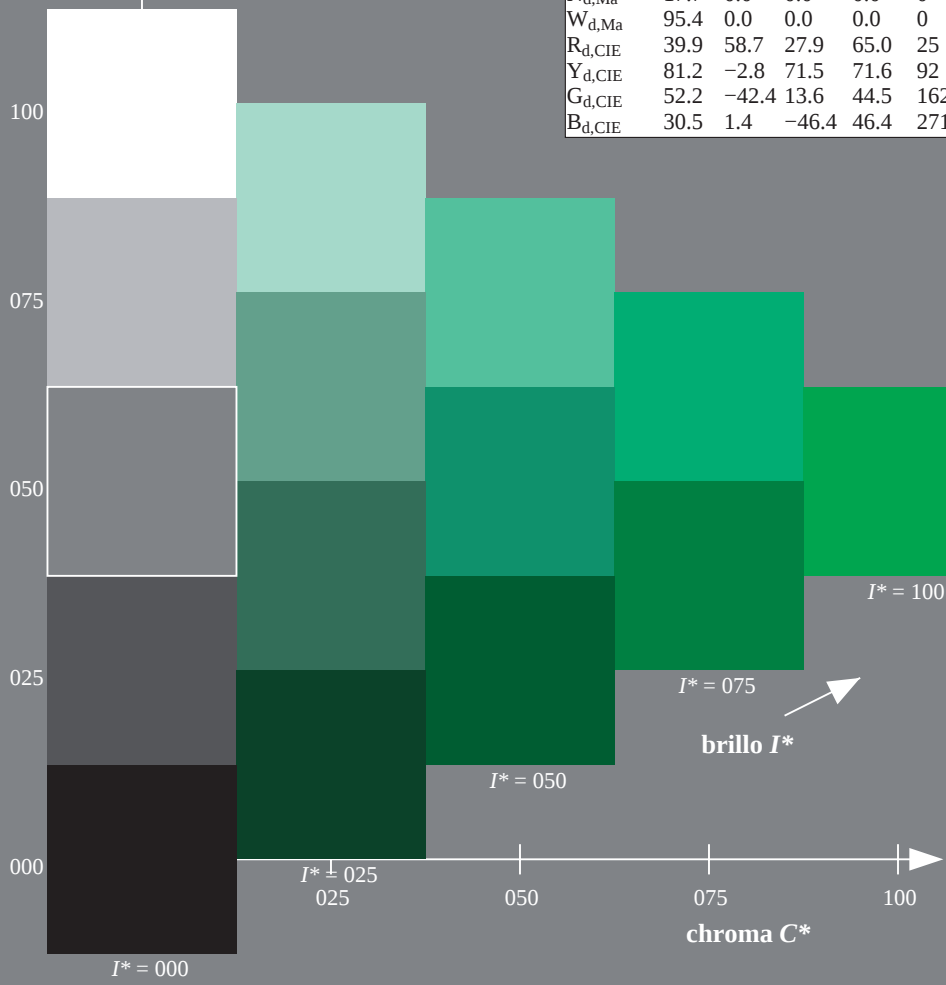


gráfico TUB-QS73; código de tono:  $H^*_d=G00B_d$   
gráfico según a DIN 33872, 3D=1, de=0,  $cmk^*$

entrada:  $rgb/cmyk \rightarrow rgb_{dd}$   
salida: 3D-linealización a  $cmk^*_{dd}$

TUB matrícula: 20130201-QS73/QS73L0FA.TXT /.PS  
aplicación para la medida salida en la impresión offset, separación  $cmk^*$  (CMYK)

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS73/QS73.HTM>  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 152/360 = 0.42$

$H^*_ = G00B_-$

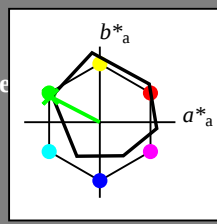
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_$

código de tono para les colore esta página:

$H^*_ = G00B_-$

triángulo claridad  $T^*$



**ORS18a; datos adaptados CIELAB (a)**

| name   | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| R-,Ma  | 47.9        | 65.3    | 50.5    | 82.6         | 37           |
| Y-,Ma  | 90.3        | -10.2   | 91.7    | 92.3         | 96           |
| G-,Ma  | 50.9        | -62.8   | 34.9    | 71.9         | 150          |
| C-,Ma  | 58.6        | -30.3   | -45.0   | 54.2         | 236          |
| B-,Ma  | 25.7        | 31.0    | -44.4   | 54.2         | 305          |
| M-,Ma  | 48.1        | 75.2    | -8.3    | 75.7         | 353          |
| N-,Ma  | 18.0        | 0.0     | 0.0     | 0.0          | 0            |
| W-,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R-,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y-,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G-,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B-,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Los datos de color máximo (Ma):

$LabCh^*_{-,Ma}$ : 55 -65 33 73 152

$HIC^*_{-,Ma}$ : G00B\_100\_100\_

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

0.0 1.0 0.0 1.0 1.0

triángulo claridad  $T^*$

%Gama  
 $u^*_{rel} = 92$   
%Regularidad  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

**ORS20a; datos adaptados 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         | 31           |
| R25Y_100_100_ | 56.8        | 48.0    | 50.5    | 69.6         | 46           |
| R50Y_100_100_ | 68.6        | 25.0    | 63.9    | 68.6         | 68           |
| R75Y_100_100_ | 80.6        | 4.8     | 77.2    | 77.3         | 86           |
| Y00G_100_100_ | 90.2        | -9.6    | 88.2    | 88.7         | 96           |
| Y25G_100_100_ | 83.2        | -18.4   | 79.9    | 81.9         | 102          |
| Y50G_100_100_ | 73.3        | -31.7   | 62.7    | 70.2         | 116          |
| Y75G_100_100_ | 62.0        | -49.7   | 43.2    | 65.8         | 139          |
| G00B_100_100_ | 55.8        | -65.2   | 33.8    | 73.4         | 152          |
| G25B_100_100_ | 59.3        | -50.3   | -9.0    | 51.0         | 190          |
| G50B_100_100_ | 63.0        | -30.5   | -42.0   | 51.9         | 234          |
| G75B_100_100_ | 45.7        | -5.7    | -44.6   | 44.9         | 262          |
| B00R_100_100_ | 27.5        | 25.9    | -47.3   | 53.9         | 298          |
| B25R_100_100_ | 38.3        | 52.6    | -28.5   | 59.8         | 331          |
| B50R_100_100_ | 49.5        | 73.5    | -9.0    | 74.0         | 353          |
| B75R_100_100_ | 48.9        | 69.3    | 12.9    | 70.4         | 10           |

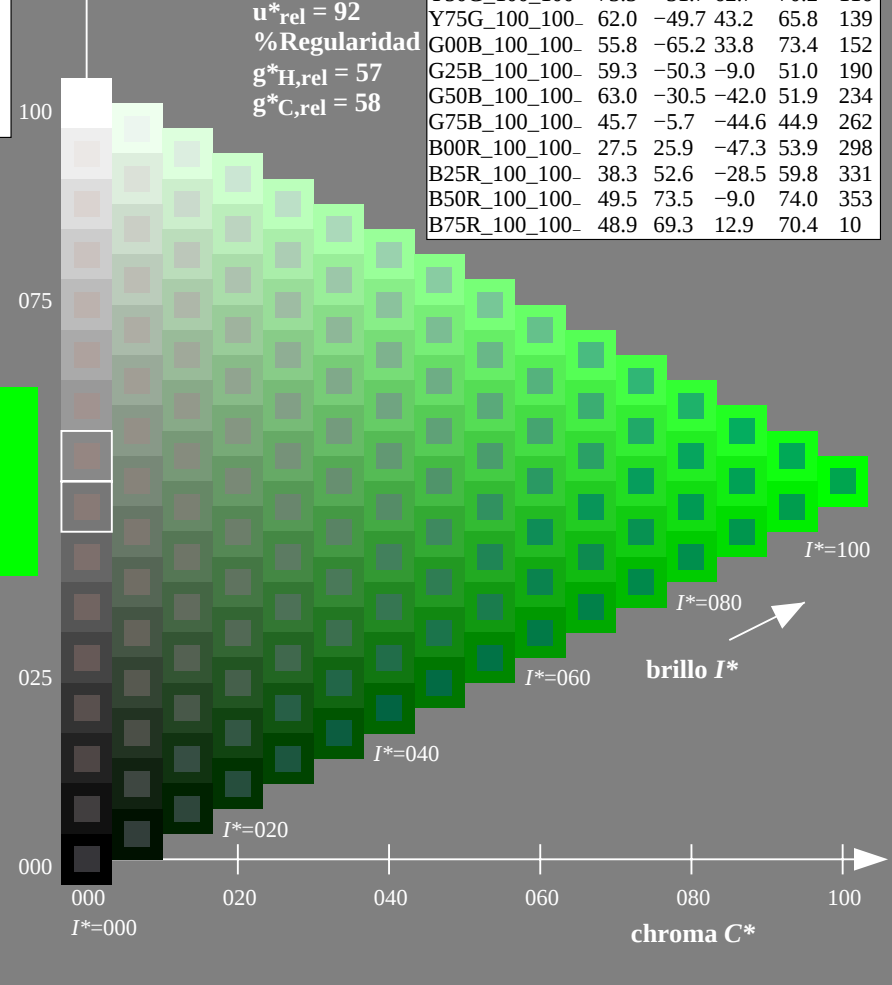
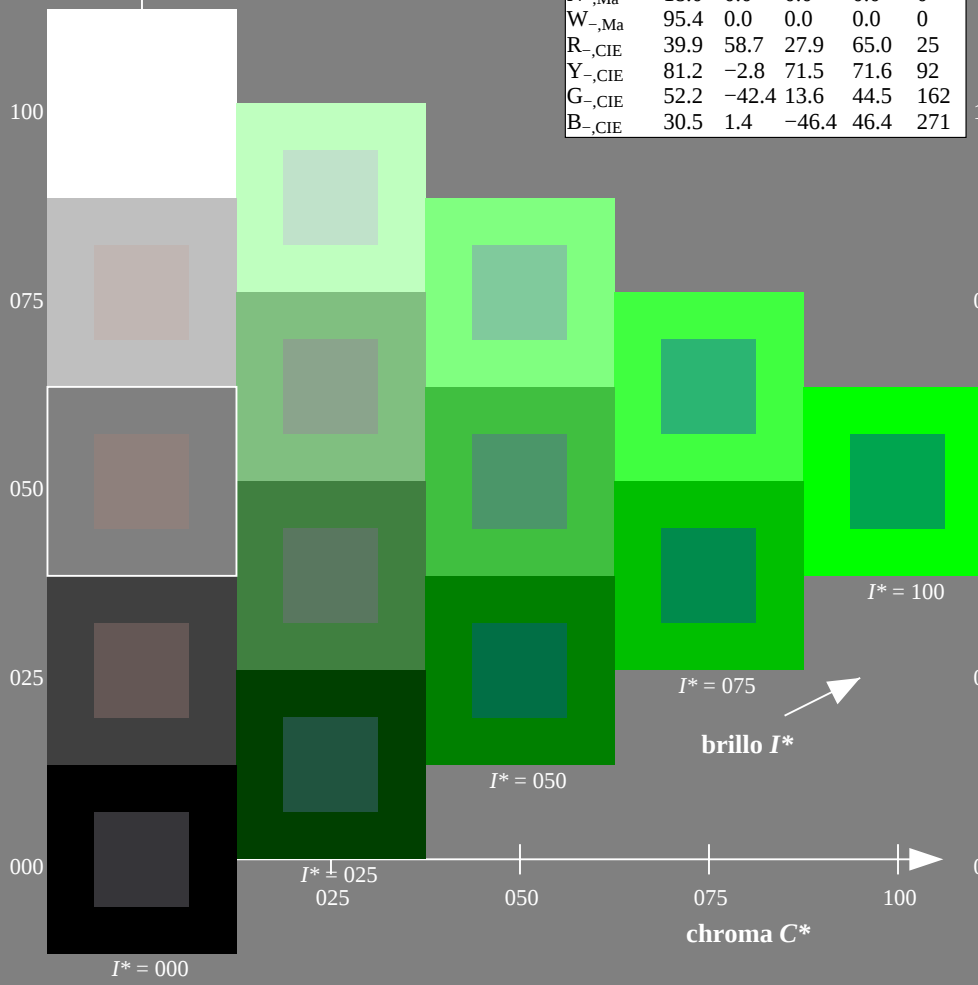


gráfico TUB-QS73; código de tono:  $H^*_ = G00B_-$   
gráfico según a DIN 33872, 3D=1, de=1,  $cmk^*$

entrada:  $rgb/cmyk \rightarrow rgb/cmyk$   
salida: ningún cambio

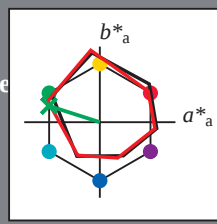
TUB matrícula: 20130201-QS73/QS73L0FA.TXT /PS  
aplicación para la medida salida en la impresión offset

TUB material: code=rha4ta

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 162/360 = 0.45$

$H^*_e = G00B_e$

Datos del dispositivo (d) o elemental (e) color:  
 $HIC^*_e$   
código de tono para les colore esta página:  
 $H^*_e = G00B_e$   
triángulo claridad  $T^*$



ORS20a; datos adaptados CIELAB (a)

| name                | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------|-------------------|---------|--------------|--------------|
| R <sub>e</sub> ,Ma  | 47.6              | 64.9    | 30.9         | 71.9         |
| Y <sub>e</sub> ,Ma  | 82.9              | -3.5    | 87.8         | 87.9         |
| G <sub>e</sub> ,Ma  | 52.4              | -67.1   | 21.5         | 70.5         |
| C <sub>e</sub> ,Ma  | 56.6              | -39.7   | -29.9        | 49.8         |
| B <sub>e</sub> ,Ma  | 37.9              | 1.3     | -45.4        | 45.4         |
| M <sub>e</sub> ,Ma  | 34.8              | 49.2    | -30.0        | 57.7         |
| N <sub>e</sub> ,Ma  | 17.7              | 0.0     | 0.0          | 0.0          |
| W <sub>e</sub> ,Ma  | 95.4              | 0.0     | 0.0          | 0.0          |
| R <sub>e</sub> ,CIE | 39.9              | 58.7    | 27.9         | 65.0         |
| Y <sub>e</sub> ,CIE | 81.2              | -2.8    | 71.5         | 71.6         |
| G <sub>e</sub> ,CIE | 52.2              | -42.4   | 13.6         | 44.5         |
| B <sub>e</sub> ,CIE | 30.5              | 1.4     | -46.4        | 46.4         |

Los datos de color máximo (Ma):

LabCh<sup>\*</sup><sub>e</sub>,Ma: 52 -67 21 70 162

$HIC^*_e$ ,Ma: G00B\_100\_100<sub>e</sub>

rgbic<sup>\*</sup><sub>e</sub>,Ma:

0.0 1.0 0.09 1.0 1.0

triángulo claridad  $T^*$

%Gama  
 $u^*_{rel} = 92$   
%Regularidad  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 58$

ORS20a; datos adaptados CIELAB (a)

| $H^*_e$                   | $L^*=L^*_a a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------|-------------------|---------|--------------|--------------|
| R00Y_100_100 <sub>e</sub> | 47.6              | 64.9    | 30.9         | 71.9         |
| R25Y_100_100 <sub>e</sub> | 51.5              | 54.2    | 47.2         | 71.9         |
| R50Y_100_100 <sub>e</sub> | 60.3              | 35.6    | 59.0         | 68.9         |
| R75Y_100_100 <sub>e</sub> | 70.4              | 17.0    | 72.2         | 74.1         |
| Y00G_100_100 <sub>e</sub> | 82.9              | -3.5    | 87.8         | 87.9         |
| Y25G_100_100 <sub>e</sub> | 76.9              | -25.5   | 75.9         | 80.1         |
| Y50G_100_100 <sub>e</sub> | 65.8              | -41.4   | 54.4         | 68.3         |
| Y75G_100_100 <sub>e</sub> | 56.9              | -56.3   | 38.1         | 68.0         |
| G00B_100_100 <sub>e</sub> | 52.4              | -67.1   | 21.5         | 70.5         |
| G25B_100_100 <sub>e</sub> | 54.6              | -53.2   | -9.0         | 53.9         |
| G50B_100_100 <sub>e</sub> | 56.6              | -39.7   | -29.9        | 49.8         |
| G75B_100_100 <sub>e</sub> | 52.7              | -21.1   | -44.1        | 48.9         |
| B00R_100_100 <sub>e</sub> | 37.9              | 1.3     | -45.4        | 45.4         |
| B25R_100_100 <sub>e</sub> | 26.7              | 26.6    | -45.8        | 52.9         |
| B50R_100_100 <sub>e</sub> | 34.8              | 49.2    | -30.0        | 57.7         |
| B75R_100_100 <sub>e</sub> | 47.3              | 71.5    | -9.9         | 72.1         |

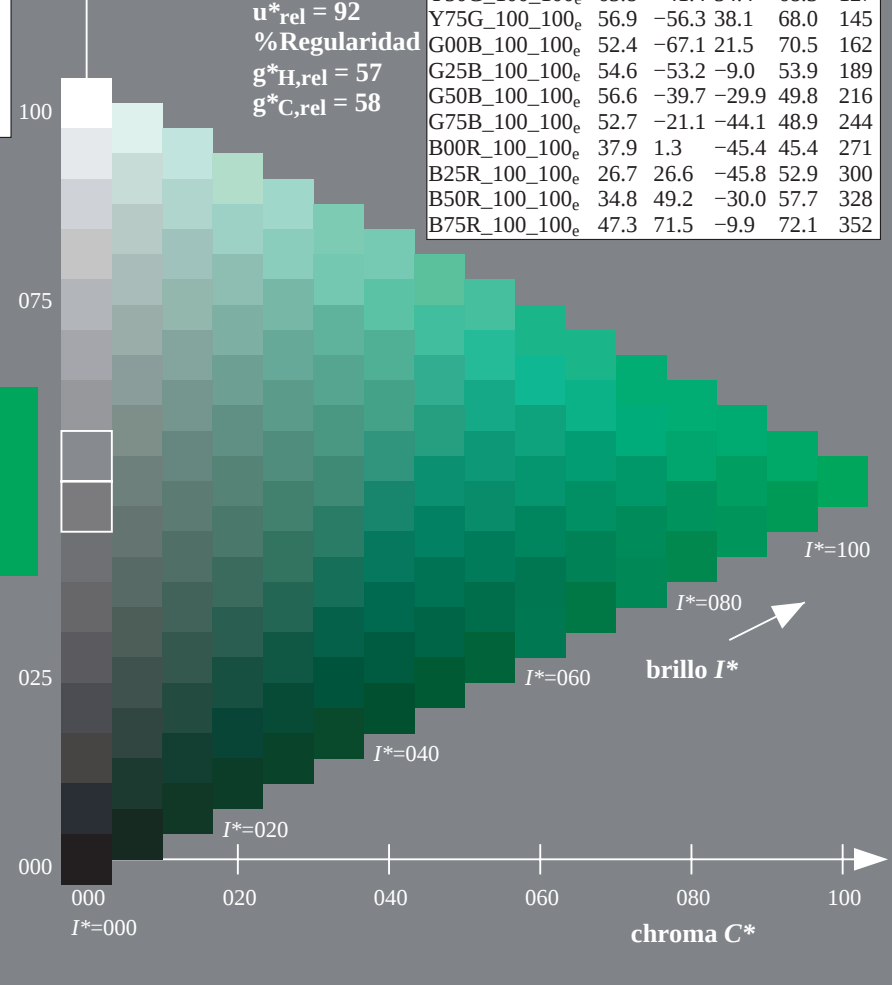
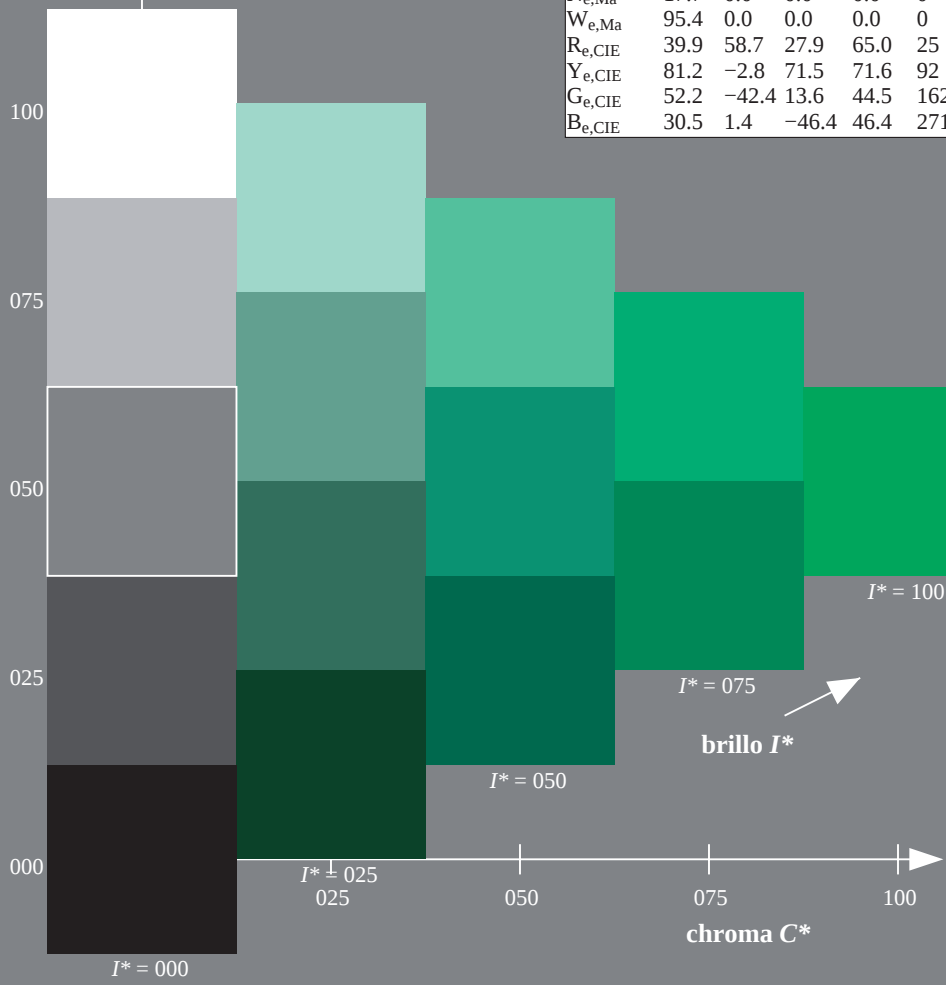


gráfico TUB-QS73; código de tono:  $H^*_e=G00B_e$   
gráfico según a DIN 33872, 3D=1, de=1, cmyk\*

entrada:  $rgb/cmyk \rightarrow rgb_{de}$   
salida: 3D-linealización a  $cmyk^*_{de}$

TUB matrícula: 20130201-QS73/QS73L0FA.TXT /.PS  
aplicación para la medida salida en la impresión offset, separación cmyk\* (CMYK)  
TUB material: code=rha4ta