

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

$H^*_- = G00B_-$

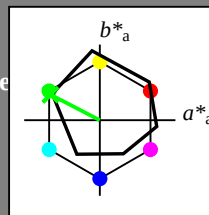
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_-$

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 <sub>-,Ma</sub>                  | 47.9        | 65.3    | 50.5    | 82.6         | 37           |
| Y <sub>-,Ma</sub>                  | 90.3        | -10.2   | 91.7    | 92.3         | 96           |
| G <sub>-,Ma</sub>                  | 50.9        | -62.8   | 34.9    | 71.9         | 150          |
| C <sub>-,Ma</sub>                  | 58.6        | -30.3   | -45.0   | 54.2         | 236          |
| B <sub>-,Ma</sub>                  | 25.7        | 31.0    | -44.4   | 54.2         | 305          |
| M <sub>-,Ma</sub>                  | 48.1        | 75.2    | -8.3    | 75.7         | 353          |
| N <sub>-,Ma</sub>                  | 18.0        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>-,Ma</sub>                  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>-,CIE</sub>                 | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>-,CIE</sub>                 | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>-,CIE</sub>                 | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>-,CIE</sub>                 | 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           |

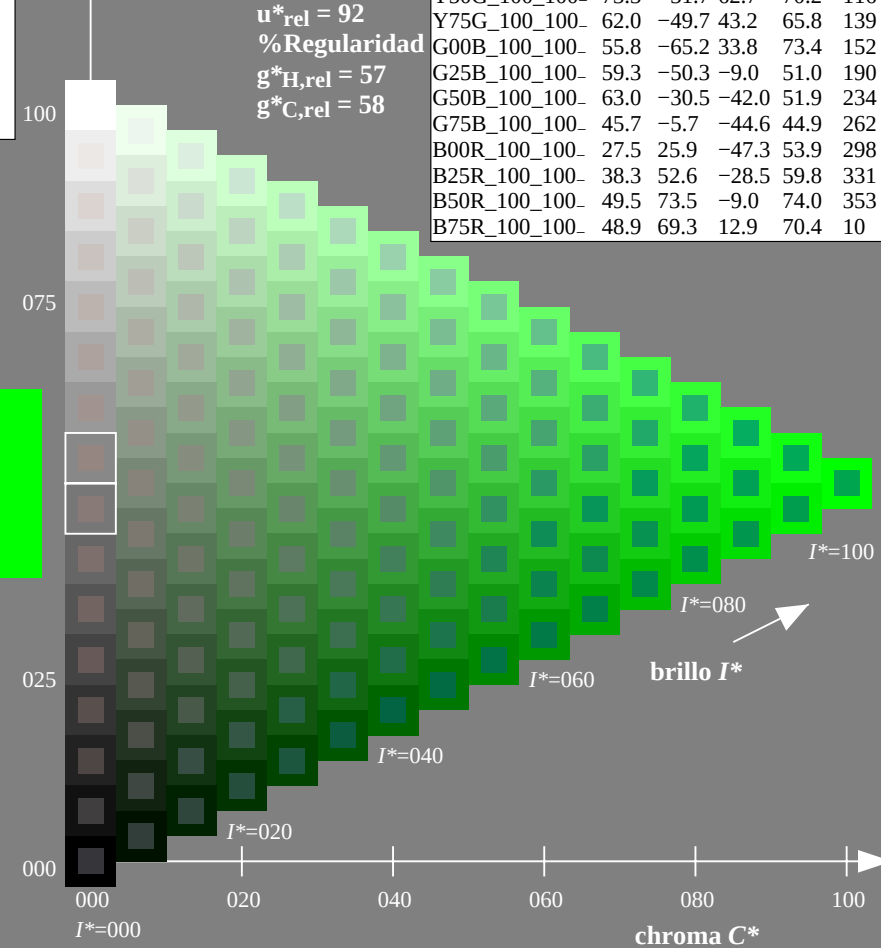
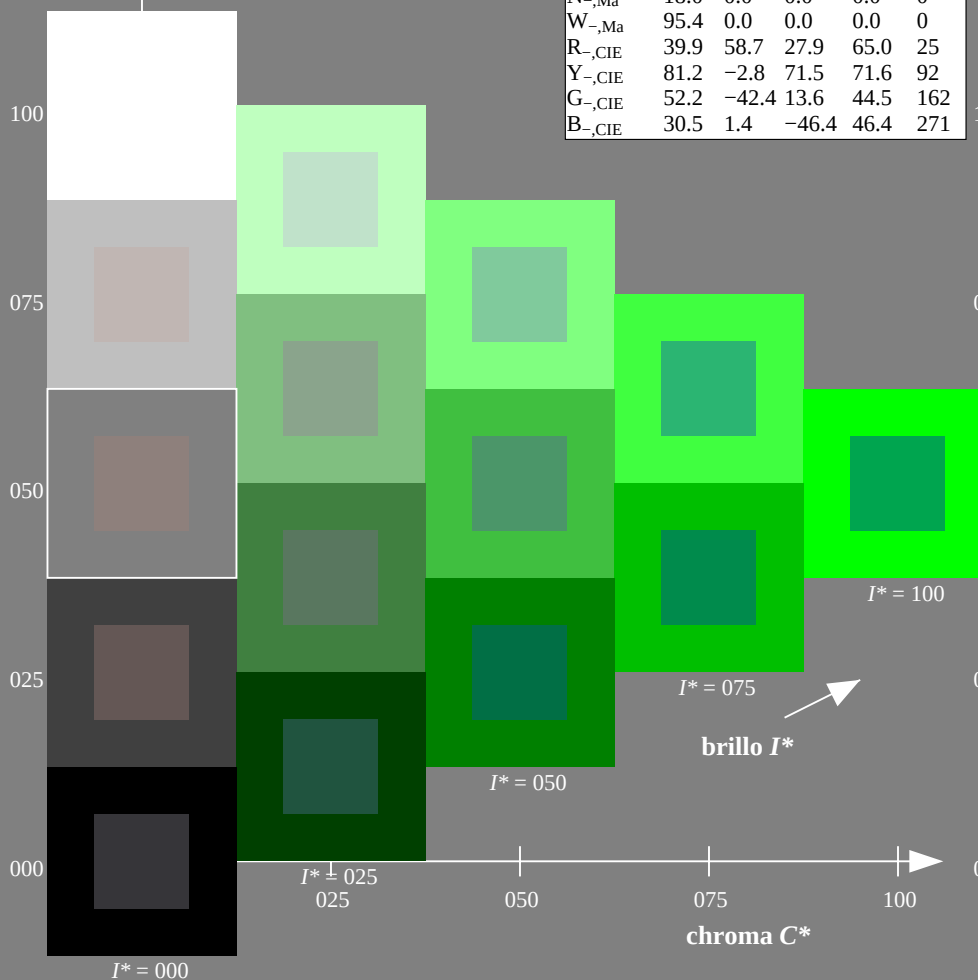


gráfico TUB-QS73; código de tono:  $H^*_- = G00B_-$   
gráfico según a DIN 33872, 3D=0, de=0, cmyk

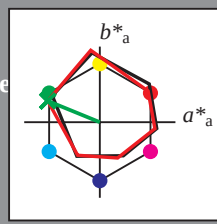
entrada:  $rgb/cmyk \rightarrow rgb/cmyk$   
salida: ningún cambio

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  $h_{ab,a,rel} = h_{ab}/360 = 157/360 = 0.43$

$H^*_d = G00B_d$

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



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

| name               | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------------------|-------------|---------|---------|--------------|--------------|
| R <sub>d,Ma</sub>  | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| Y <sub>d,Ma</sub>  | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| G <sub>d,Ma</sub>  | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| C <sub>d,Ma</sub>  | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| B <sub>d,Ma</sub>  | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| M <sub>d,Ma</sub>  | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| N <sub>d,Ma</sub>  | 17.7        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>d,Ma</sub>  | 95.4        | 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          |

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

triângulo 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           |

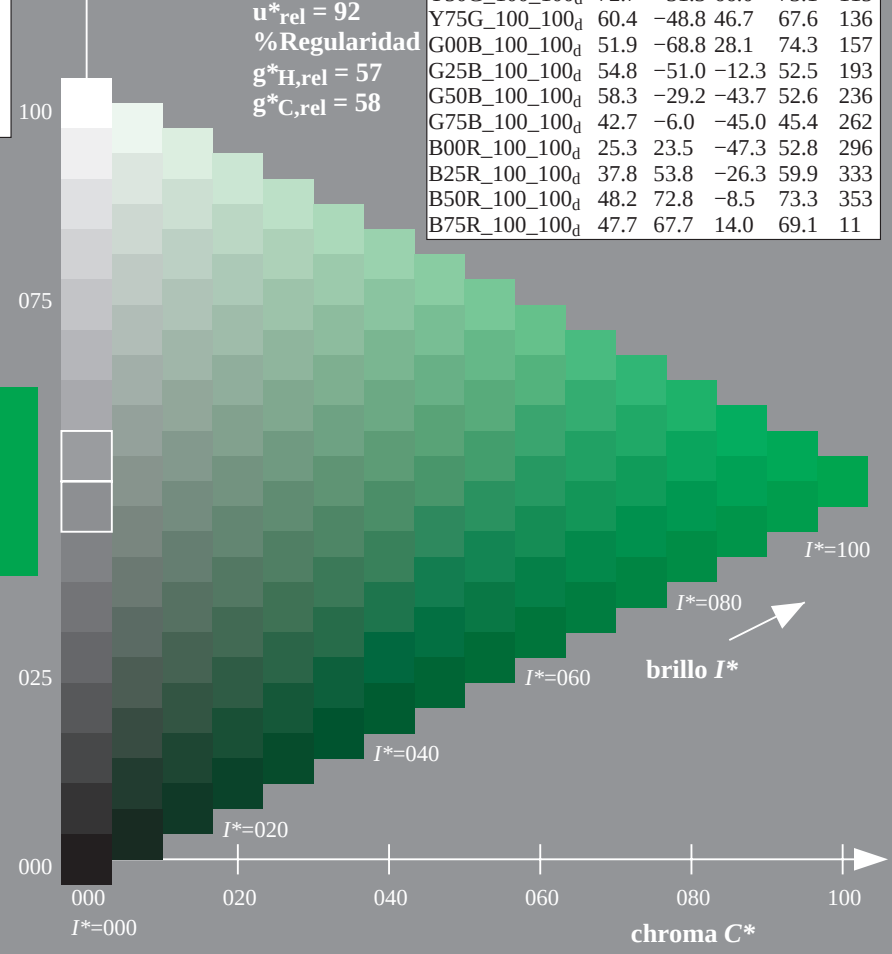
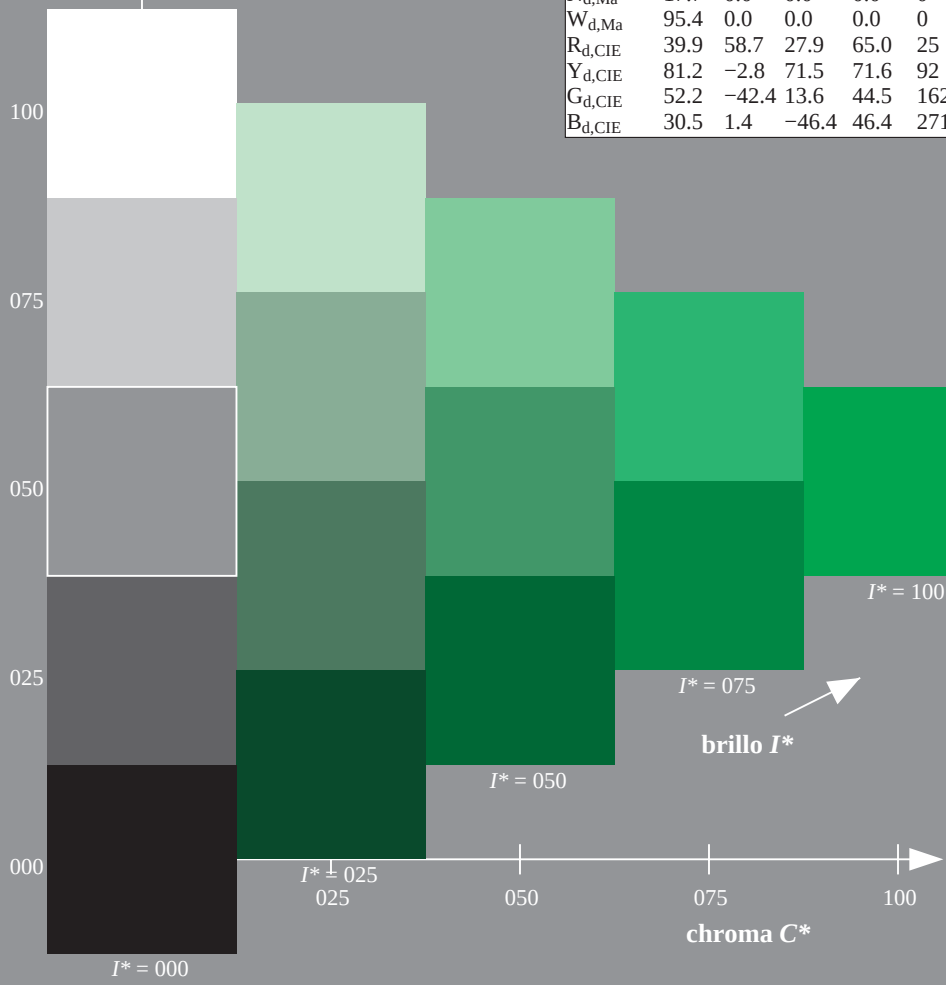


gráfico TUB-QS73; código de tono:  $H^*_d=G00B_d$   
 gráfico según a DIN 33872, 3D=0, de=0, cmyk

entrada:  $rgb/cmyk \rightarrow rgb_d$   
 salida: transfiera a  $cmyk_d$

TUB matrícula: 20130201-QS73/QS73L0NA.TXT /.PS  
 aplicación para la medida salida en la impresión offset, separación cmyk6 (CMYK)

TUB material: code=rha4ta

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

$H^*_- = G00B_-$

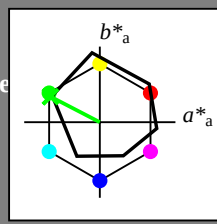
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_-$

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

$u^*_{rel} = 92$

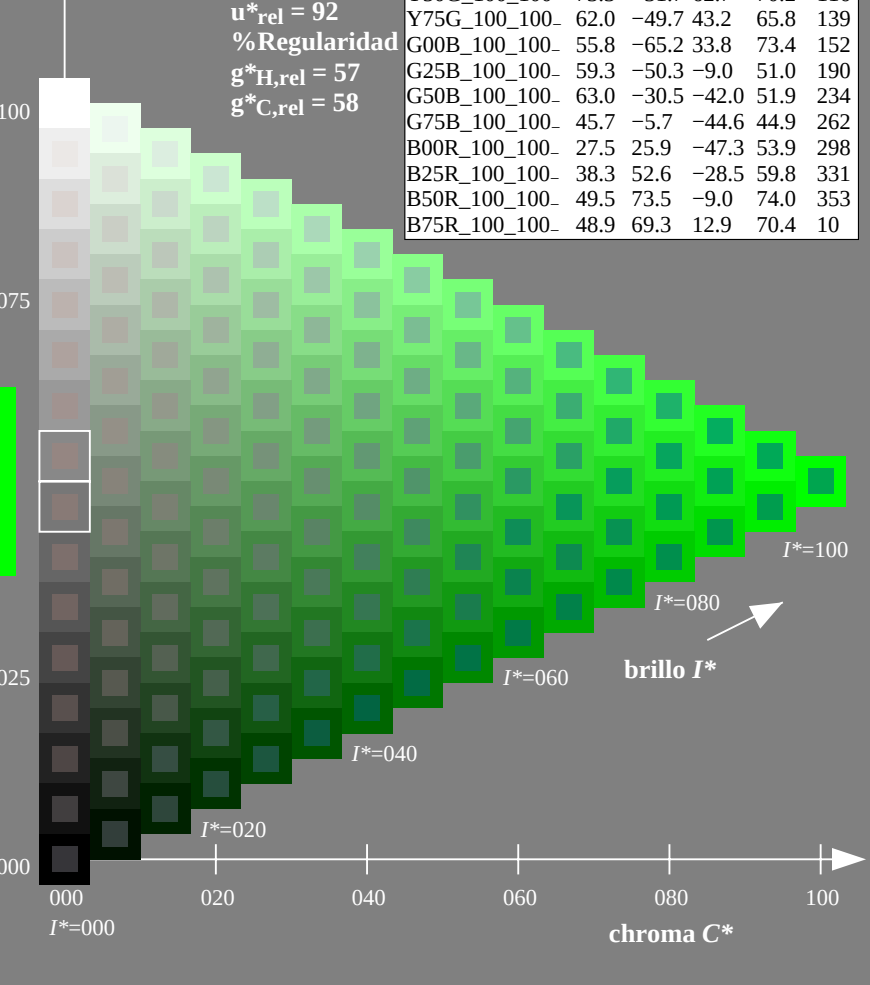
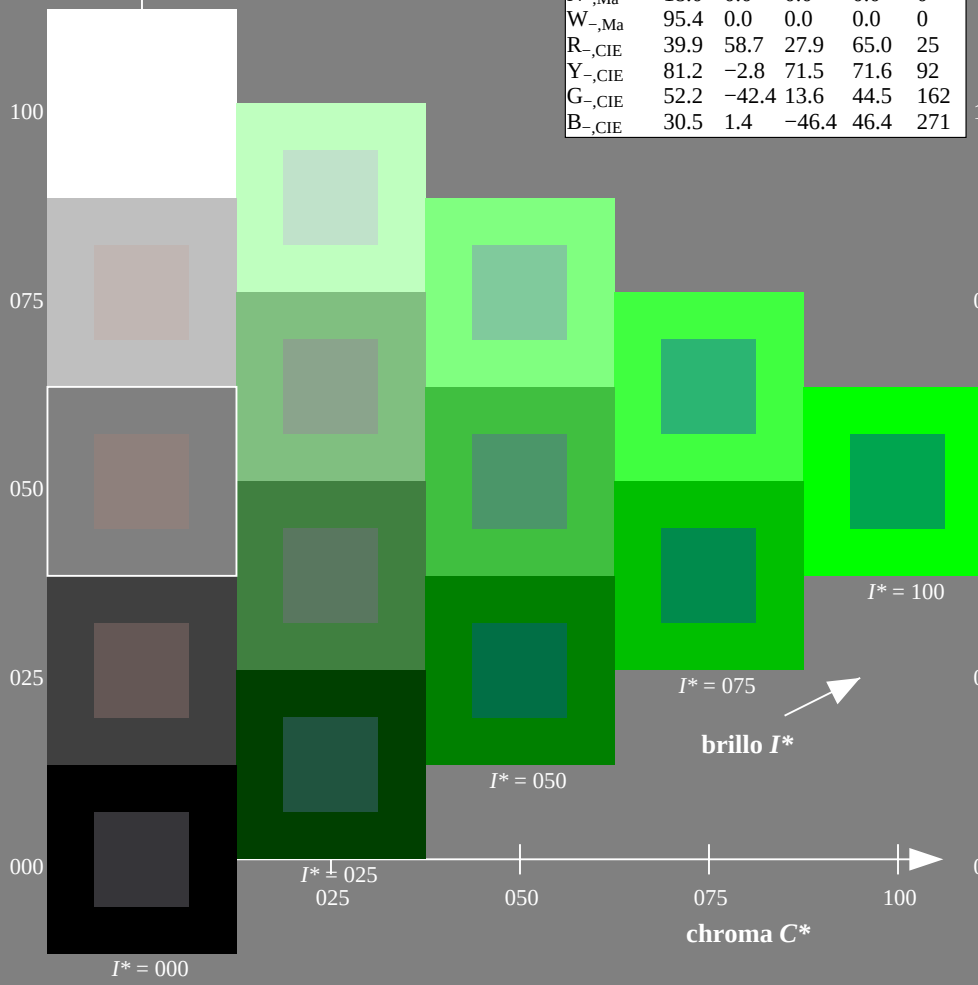
% Regularidad

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

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

**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           |



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

$H^*_e = G00B_e$

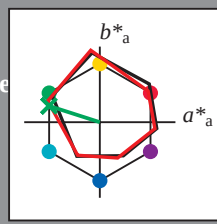
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_e$

código de tono para les colore esta página:

$H^*_e = G00B_e$

triàngulo 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         | 25           |
| Y <sub>e</sub> ,Ma  | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| G <sub>e</sub> ,Ma  | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| C <sub>e</sub> ,Ma  | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| B <sub>e</sub> ,Ma  | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| M <sub>e</sub> ,Ma  | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| N <sub>e</sub> ,Ma  | 17.7        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>e</sub> ,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>e</sub> ,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>e</sub> ,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>e</sub> ,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>e</sub> ,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

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

triàngulo 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         | 25           |
| R25Y_100_100 <sub>e</sub> | 51.5        | 54.2    | 47.2    | 71.9         | 41           |
| R50Y_100_100 <sub>e</sub> | 60.3        | 35.6    | 59.0    | 68.9         | 58           |
| R75Y_100_100 <sub>e</sub> | 70.4        | 17.0    | 72.2    | 74.1         | 76           |
| Y00G_100_100 <sub>e</sub> | 82.9        | -3.5    | 87.8    | 87.9         | 92           |
| Y25G_100_100 <sub>e</sub> | 76.9        | -25.5   | 75.9    | 80.1         | 108          |
| Y50G_100_100 <sub>e</sub> | 65.8        | -41.4   | 54.4    | 68.3         | 127          |
| Y75G_100_100 <sub>e</sub> | 56.9        | -56.3   | 38.1    | 68.0         | 145          |
| G00B_100_100 <sub>e</sub> | 52.4        | -67.1   | 21.5    | 70.5         | 162          |
| G25B_100_100 <sub>e</sub> | 54.6        | -53.2   | -9.0    | 53.9         | 189          |
| G50B_100_100 <sub>e</sub> | 56.6        | -39.7   | -29.9   | 49.8         | 216          |
| G75B_100_100 <sub>e</sub> | 52.7        | -21.1   | -44.1   | 48.9         | 244          |
| B00R_100_100 <sub>e</sub> | 37.9        | 1.3     | -45.4   | 45.4         | 271          |
| B25R_100_100 <sub>e</sub> | 26.7        | 26.6    | -45.8   | 52.9         | 300          |
| B50R_100_100 <sub>e</sub> | 34.8        | 49.2    | -30.0   | 57.7         | 328          |
| B75R_100_100 <sub>e</sub> | 47.3        | 71.5    | -9.9    | 72.1         | 352          |

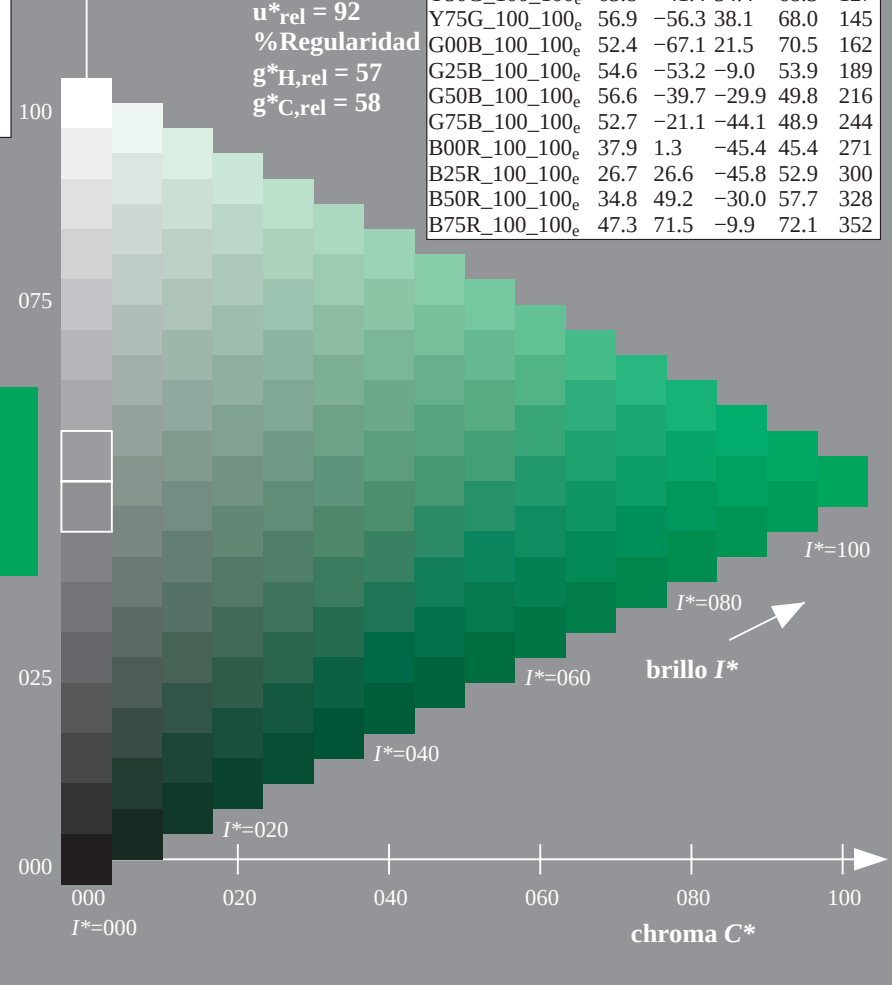
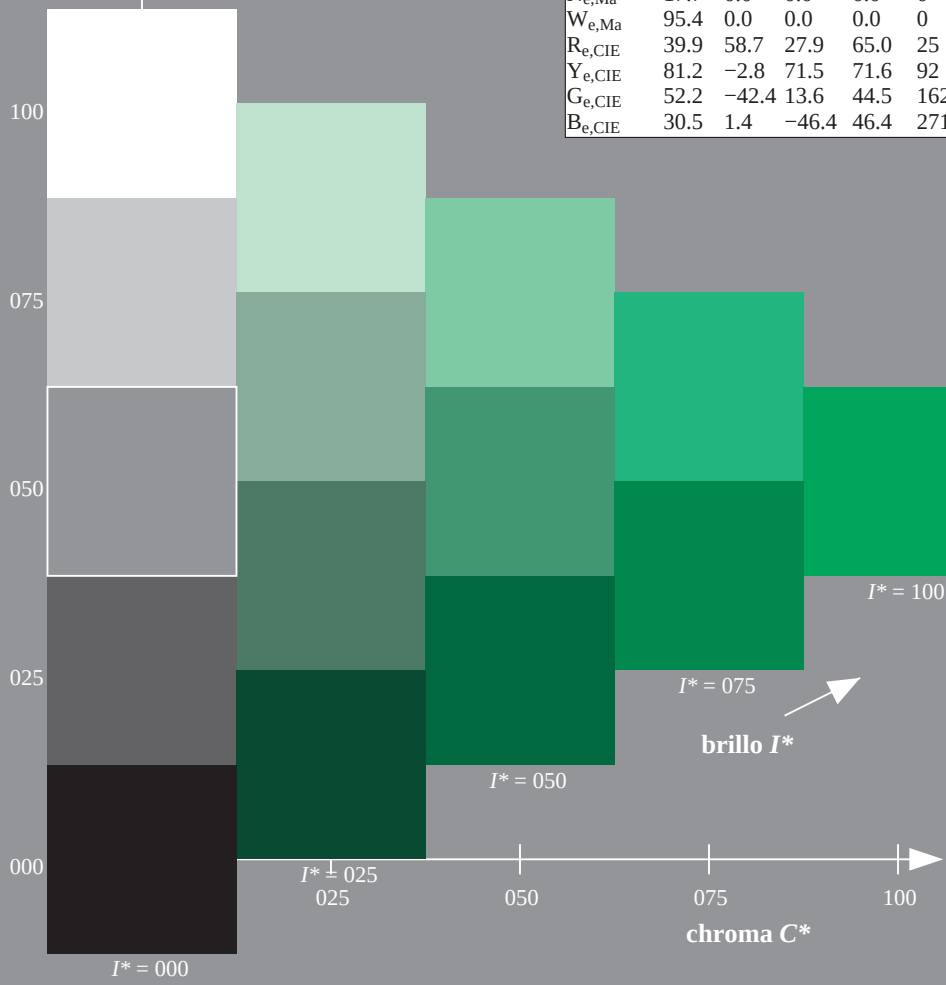


gráfico TUB-QS73; código de tono:  $H^*_e=G00B_e$   
gráfico según a DIN 33872, 3D=0, de=1, cmyk

entrada: *rgb/cmyk* -> *rgb*  
salida: transfiera a *cmyk<sub>e</sub>*

TUB matrícula: 20130201-QS73/QS73L0NA.TXT /.PS  
aplicación para la medida salida en la impresión offset, separación cmyk6 (CMYK)

TUB material: code=rha4ta