

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_- = G50B_-$

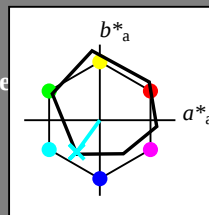
Datos del dispositivo (d) o elemental (e) color:

$HIC^*_-$

código de tono para les colore esta página:

$H^*_- = G50B_-$

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):

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

$HIC^*_-Ma$ : G50B\_100\_100\_

$rgbic^*_-Ma$ :

0.0 1.0 1.0 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           |

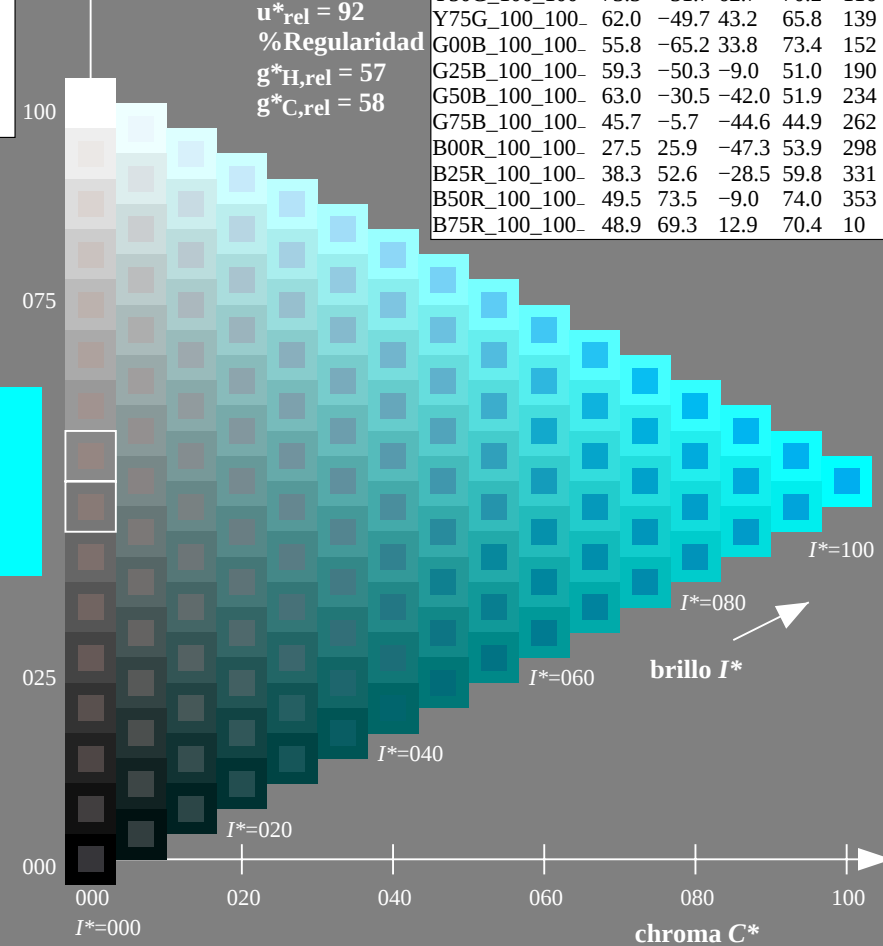
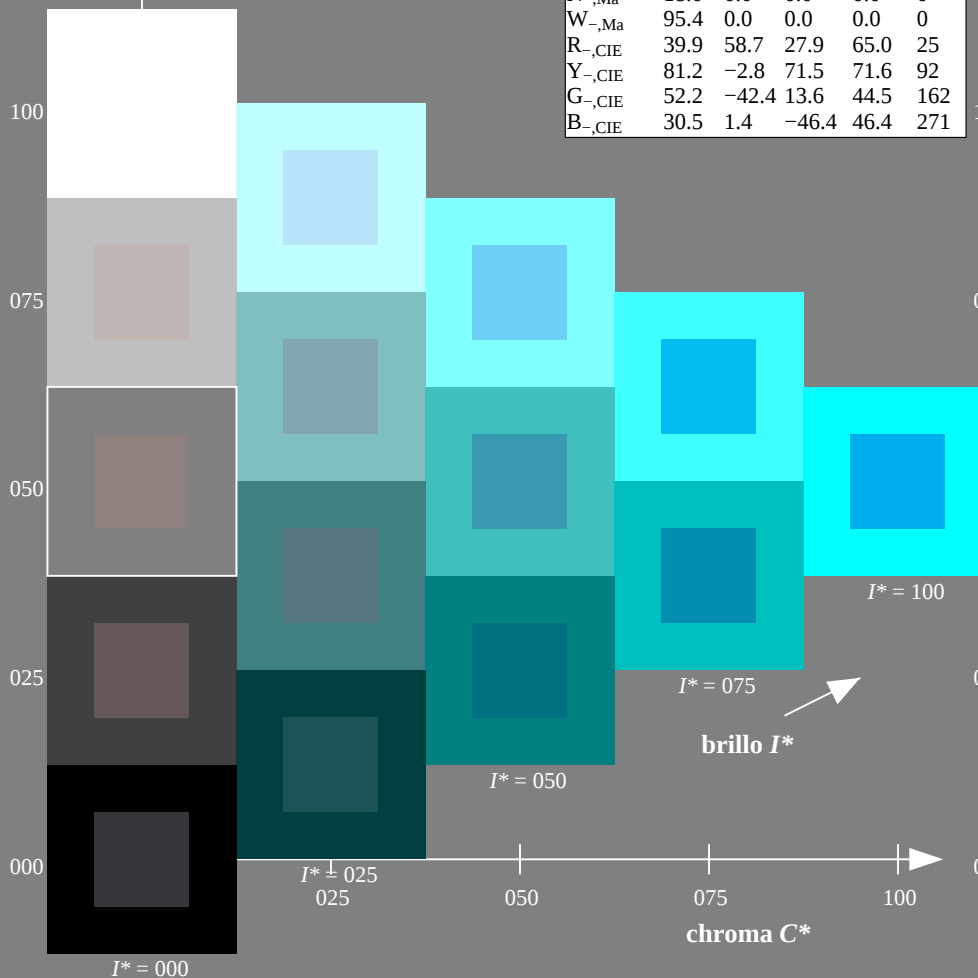


gráfico TUB-QS90; código de tono:  $H^*_- = G50B_-$   
gráfico según a DIN 33872, 3D=1, de=0, sRGB\*

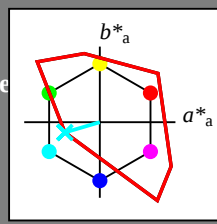
entrada:  $rgb/cmyk \rightarrow rgb/cmyk$   
salida: ningún cambio

Entrada i salida: Television Luminous System TLS00a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 196/360 = 0.54$

$H^*_d = G50B_d$

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

$HIC^*_d$   
código de tono para les colore  
esta página:  
 $H^*_d = G50B_d$   
triàngulo claridad  $T^*$



**TLS00a; datos adaptados CIELAB (a)**

| name                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------|-------------|---------|---------|--------------|--------------|
| R <sub>d</sub> ,Ma  | 50.4        | 76.9    | 64.5    | 100.4        | 40           |
| Y <sub>d</sub> ,Ma  | 92.6        | -20.7   | 90.7    | 93.0         | 102          |
| G <sub>d</sub> ,Ma  | 83.6        | -82.7   | 79.8    | 115.0        | 136          |
| C <sub>d</sub> ,Ma  | 86.8        | -46.1   | -13.5   | 48.1         | 196          |
| B <sub>d</sub> ,Ma  | 30.3        | 76.0    | -103.5  | 128.5        | 306          |
| M <sub>d</sub> ,Ma  | 57.2        | 94.3    | -58.4   | 110.9        | 328          |
| N <sub>d</sub> ,Ma  | 0.0         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>d</sub> ,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>d</sub> ,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>d</sub> ,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>d</sub> ,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>d</sub> ,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Los datos de color máximo (Ma):

$LabCh^*_d, Ma$ : 86 -46 -13 48 196

$HIC^*_d, Ma$ : G50B\_100\_100<sub>d</sub>

$rgbic^*_d, Ma$ :

0.0 1.0 1.0 1.0 1.0

triàngulo claridad  $T^*$

% Gama  
 $u^*_{rel} = 158$   
% Regularidad  
 $g^*_{H,rel} = 19$   
 $g^*_{C,rel} = 37$

**TLS00a; datos adaptados CIELAB (a)**

| $H^*_d$                   | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---------------------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100 <sub>d</sub> | 50.4        | 76.9    | 64.5    | 100.4        | 40           |
| R25Y_100_100 <sub>d</sub> | 53.7        | 67.6    | 65.8    | 94.4         | 44           |
| R50Y_100_100 <sub>d</sub> | 63.6        | 41.3    | 71.0    | 82.2         | 59           |
| R75Y_100_100 <sub>d</sub> | 78.2        | 7.8     | 80.6    | 81.0         | 84           |
| Y00G_100_100 <sub>d</sub> | 92.6        | -20.7   | 90.7    | 93.0         | 102          |
| Y25G_100_100 <sub>d</sub> | 88.7        | -43.3   | 86.2    | 96.5         | 116          |
| Y50G_100_100 <sub>d</sub> | 85.7        | -65.2   | 82.4    | 105.1        | 128          |
| Y75G_100_100 <sub>d</sub> | 84.0        | -78.7   | 80.4    | 112.5        | 134          |
| G00B_100_100 <sub>d</sub> | 83.6        | -82.7   | 79.8    | 115.0        | 136          |
| G25B_100_100 <sub>d</sub> | 84.3        | -73.7   | 44.9    | 86.4         | 148          |
| G50B_100_100 <sub>d</sub> | 86.8        | -46.1   | -13.5   | 48.1         | 196          |
| G75B_100_100 <sub>d</sub> | 51.7        | 18.3    | -68.3   | 70.7         | 285          |
| B00R_100_100 <sub>d</sub> | 30.3        | 76.0    | -103.5  | 128.5        | 306          |
| B25R_100_100 <sub>d</sub> | 38.5        | 79.8    | -89.7   | 120.0        | 311          |
| B50R_100_100 <sub>d</sub> | 57.2        | 94.3    | -58.4   | 110.9        | 328          |
| B75R_100_100 <sub>d</sub> | 52.0        | 81.1    | 4.1     | 81.2         | 2            |

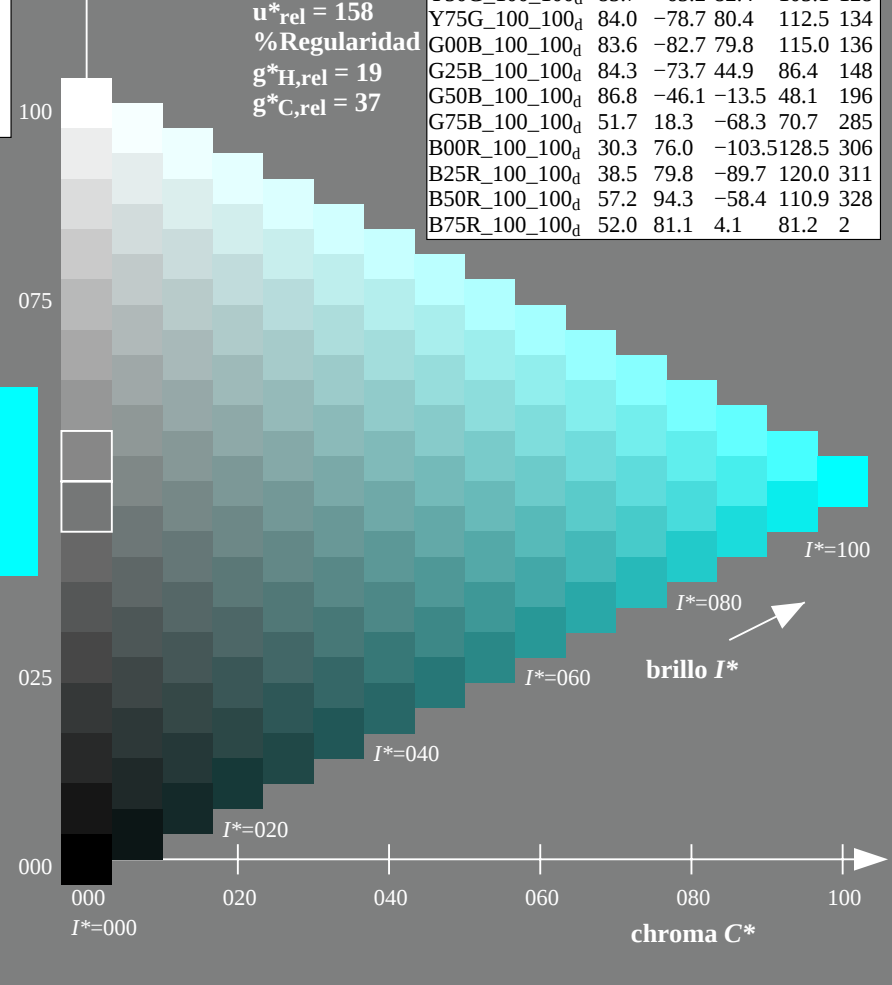
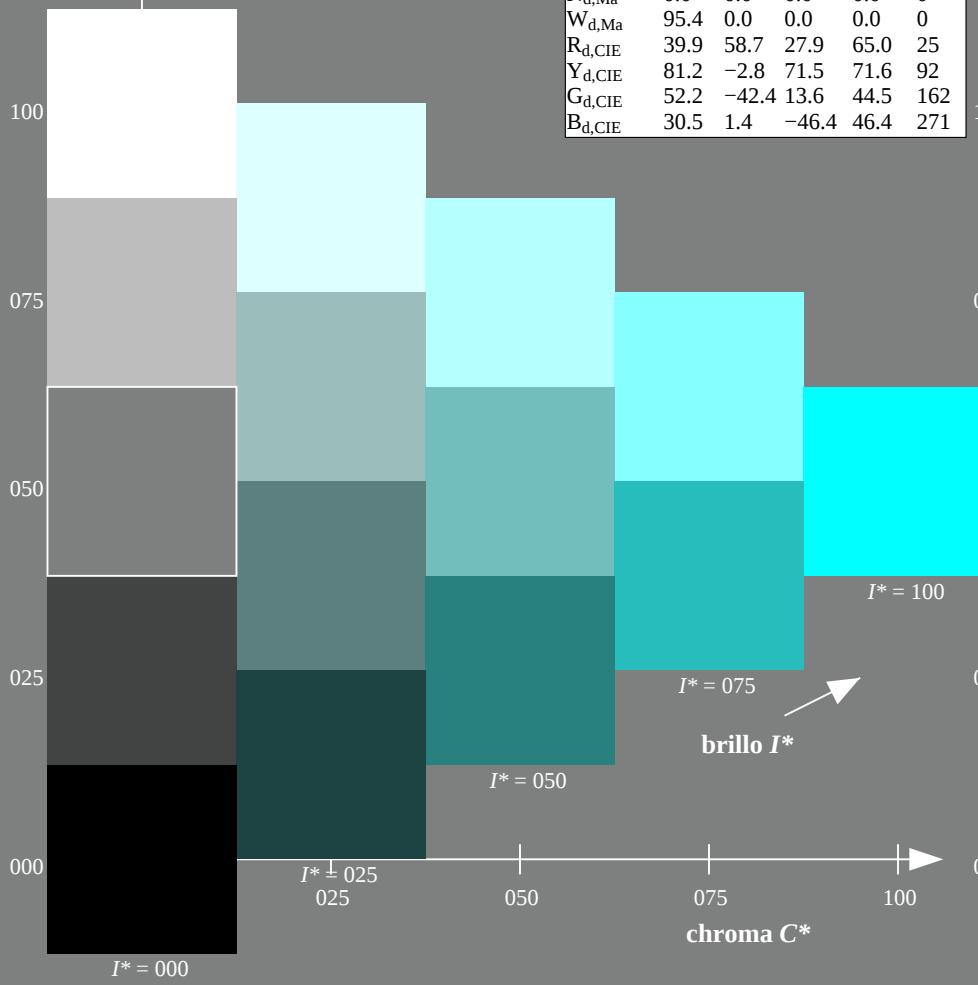


gráfico TUB-QS90; código de tono:  $H^*_d=G50B_d$   
gráfico según a DIN 33872, 3D=1, de=0, sRGB\*

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

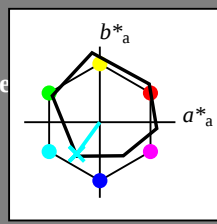
TUB matrícula: 20130201-QS90/QS90L0FP.PDF /.PS  
aplicación para la medida de display output, ninguna separación

TUB material: code=rha4ta

Entrada i salida: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 234/360 = 0.65$

$H^*_- = G50B_-$

Datos del dispositivo (d) o elemental (e) color:  
 $HIC^*_-$   
código de tono para les colore esta página:  
 $H^*_- = G50B_-$   
triángulo claridad  $T^*$



**ORS18a; datos adaptados 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         | 37           |
| Y <sub>-</sub> ,Ma  | 90.3        | -10.2   | 91.7    | 92.3         | 96           |
| G <sub>-</sub> ,Ma  | 50.9        | -62.8   | 34.9    | 71.9         | 150          |
| C <sub>-</sub> ,Ma  | 58.6        | -30.3   | -45.0   | 54.2         | 236          |
| B <sub>-</sub> ,Ma  | 25.7        | 31.0    | -44.4   | 54.2         | 305          |
| M <sub>-</sub> ,Ma  | 48.1        | 75.2    | -8.3    | 75.7         | 353          |
| N <sub>-</sub> ,Ma  | 18.0        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>-</sub> ,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>-</sub> ,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Y <sub>-</sub> ,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| G <sub>-</sub> ,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| B <sub>-</sub> ,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Los datos de color máximo (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

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           |

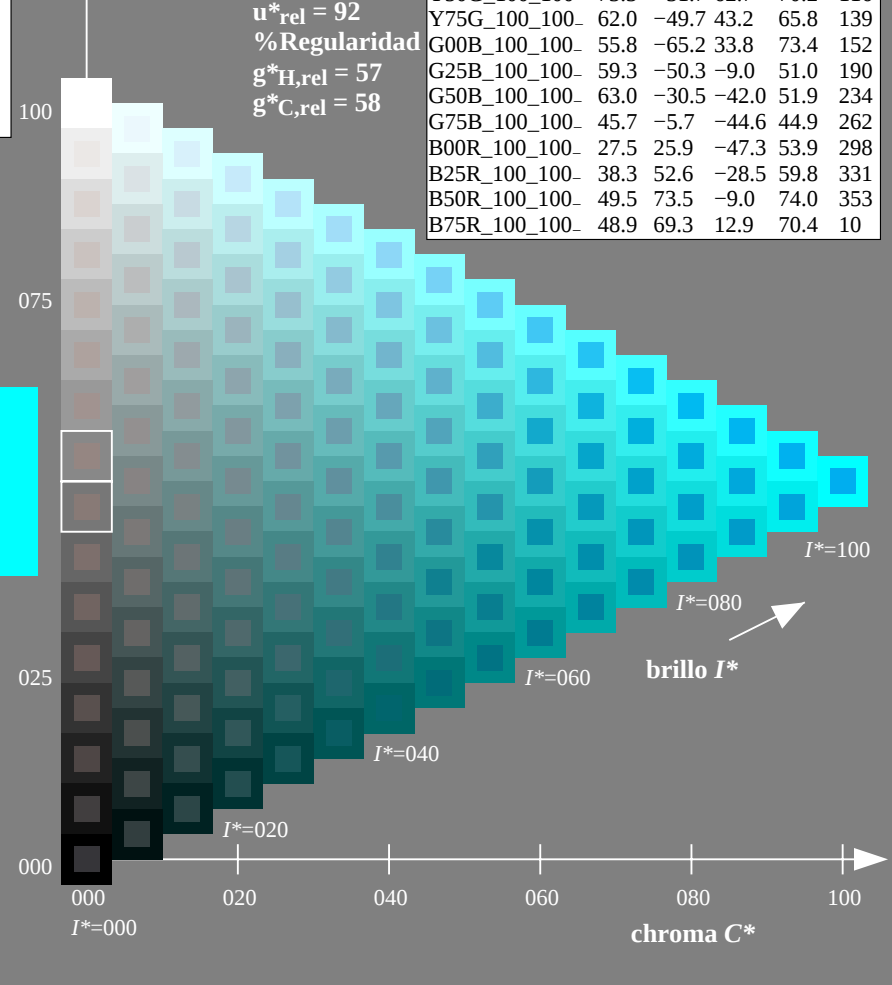
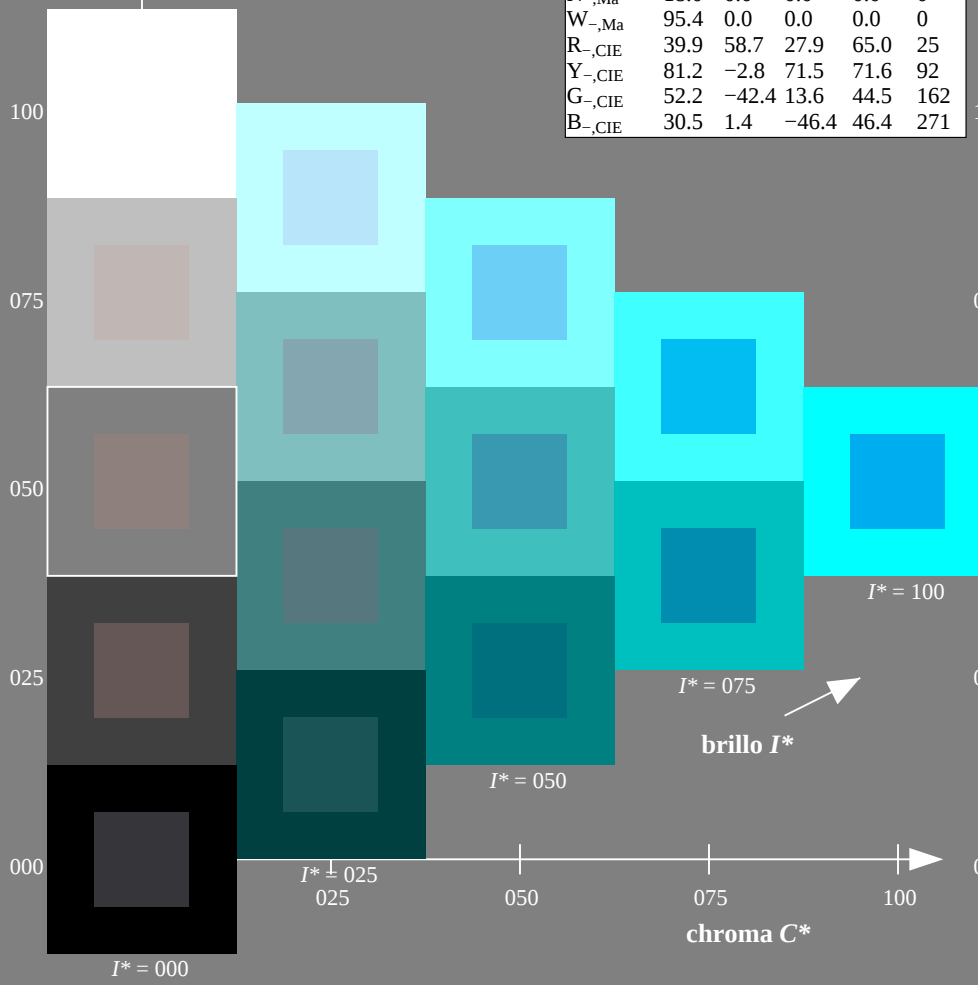


gráfico TUB-QS90; código de tono:  $H^*_- = G50B_-$   
gráfico según a DIN 33872, 3D=1, de=1, sRGB\*

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

vea archivos semejantes: <http://130.149.60.45/~farbmetrik/QS90/QS90L0FP.PDF> /.PS  
información técnica: <http://www.ps.bam.de> o <http://130.149.60.45/~farbmetrik>

TUB matrícula: 20130201-QS90/QS90L0FP.PDF /.PS  
aplicación para la medida de display output

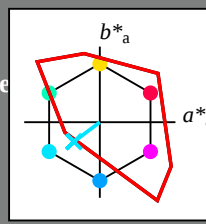
TUB material: code=rha4ta

Entrada i salida: Television Luminous System TLS00a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 216/360 = 0.6$

$H^*_e = G50B_e$

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

$HIC^*_e$   
código de tono para les colore  
esta página:  
 $H^*_e = G50B_e$   
triângulo claridad  $T^*$



**TLS00a; datos adaptados CIELAB (a)**

| name   | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| Re,Ma  | 50.9        | 78.3    | 37.3    | 86.7         | 25           |
| Ye,Ma  | 83.7        | -3.4    | 84.5    | 84.5         | 92           |
| Ge,Ma  | 85.1        | -64.6   | 20.7    | 67.9         | 162          |
| Ce,Ma  | 79.0        | -34.2   | -25.7   | 42.8         | 216          |
| Be,Ma  | 59.2        | 1.7     | -56.6   | 56.6         | 271          |
| Me,Ma  | 57.1        | 94.1    | -57.4   | 110.3        | 328          |
| Ne,Ma  | 0.0         | 0.0     | 0.0     | 0.0          | 0            |
| We,Ma  | 95.4        | 0.0     | 0.0     | 0.0          | 0            |
| Re,CIE | 39.9        | 58.7    | 27.9    | 65.0         | 25           |
| Ye,CIE | 81.2        | -2.8    | 71.5    | 71.6         | 92           |
| Ge,CIE | 52.2        | -42.4   | 13.6    | 44.5         | 162          |
| Be,CIE | 30.5        | 1.4     | -46.4   | 46.4         | 271          |

Los datos de color máximo (Ma):

$LabCh^*_{e,Ma}$ : 79 -34 -25 42 216

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

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

0.0 0.89 1.0 1.0 1.0

triângulo claridad  $T^*$

% Gama  
 $u^*_{rel} = 158$   
% Regularidad  
 $g^*_{H,rel} = 19$   
 $g^*_{C,rel} = 37$

**TLS00a; datos adaptados CIELAB (a)**

| $H^*_e$        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|----------------|-------------|---------|---------|--------------|--------------|
| R00Y_100_100_e | 50.9        | 78.3    | 37.3    | 86.7         | 25           |
| R25Y_100_100_e | 51.3        | 74.4    | 64.8    | 98.7         | 41           |
| R50Y_100_100_e | 63.1        | 42.7    | 70.8    | 82.7         | 58           |
| R75Y_100_100_e | 73.5        | 18.3    | 77.7    | 79.8         | 76           |
| Y00G_100_100_e | 83.7        | -3.4    | 84.5    | 84.5         | 92           |
| Y25G_100_100_e | 91.0        | -29.9   | 88.9    | 93.8         | 108          |
| Y50G_100_100_e | 85.9        | -63.0   | 82.8    | 104.1        | 127          |
| Y75G_100_100_e | 84.1        | -76.0   | 51.4    | 91.8         | 145          |
| G00B_100_100_e | 85.1        | -64.6   | 20.7    | 67.9         | 162          |
| G25B_100_100_e | 86.5        | -49.9   | -8.4    | 50.6         | 189          |
| G50B_100_100_e | 79.0        | -34.2   | -25.7   | 42.8         | 216          |
| G75B_100_100_e | 70.0        | -19.0   | -39.6   | 43.9         | 244          |
| B00R_100_100_e | 59.2        | 1.7     | -56.6   | 56.6         | 271          |
| B25R_100_100_e | 38.2        | 52.7    | -90.7   | 104.9        | 300          |
| B50R_100_100_e | 57.1        | 94.1    | -57.4   | 110.3        | 328          |
| B75R_100_100_e | 52.9        | 83.6    | -11.6   | 84.4         | 352          |

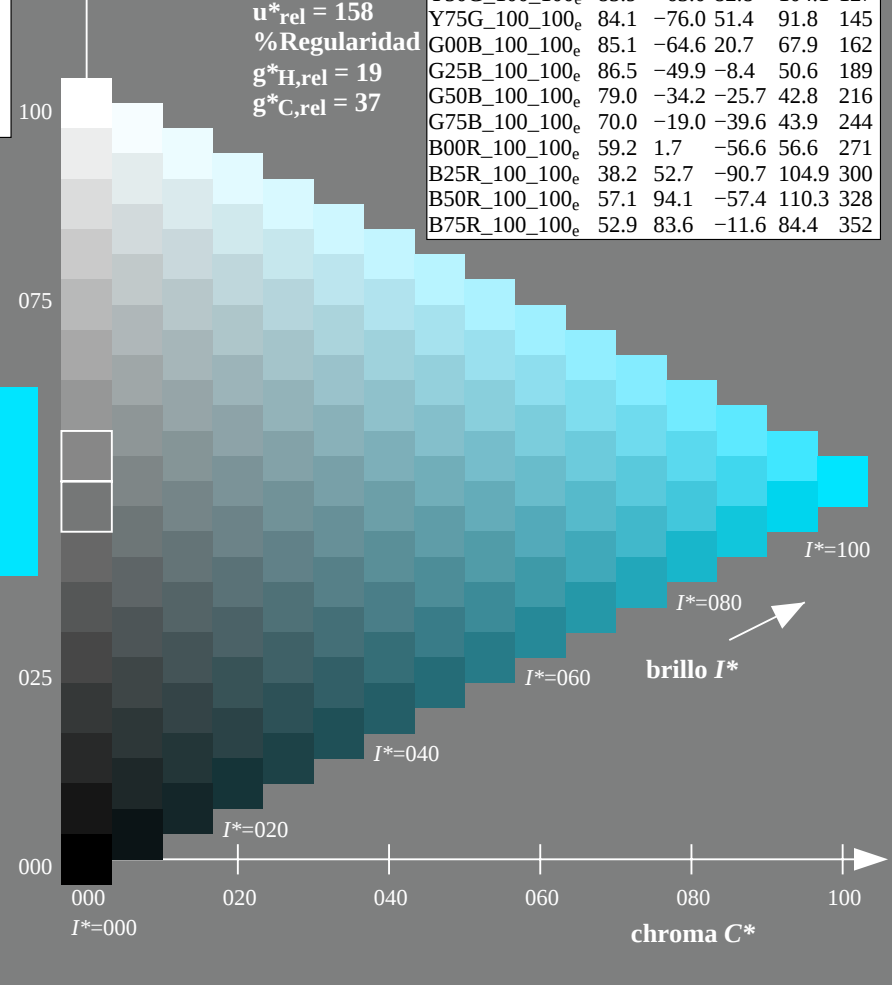
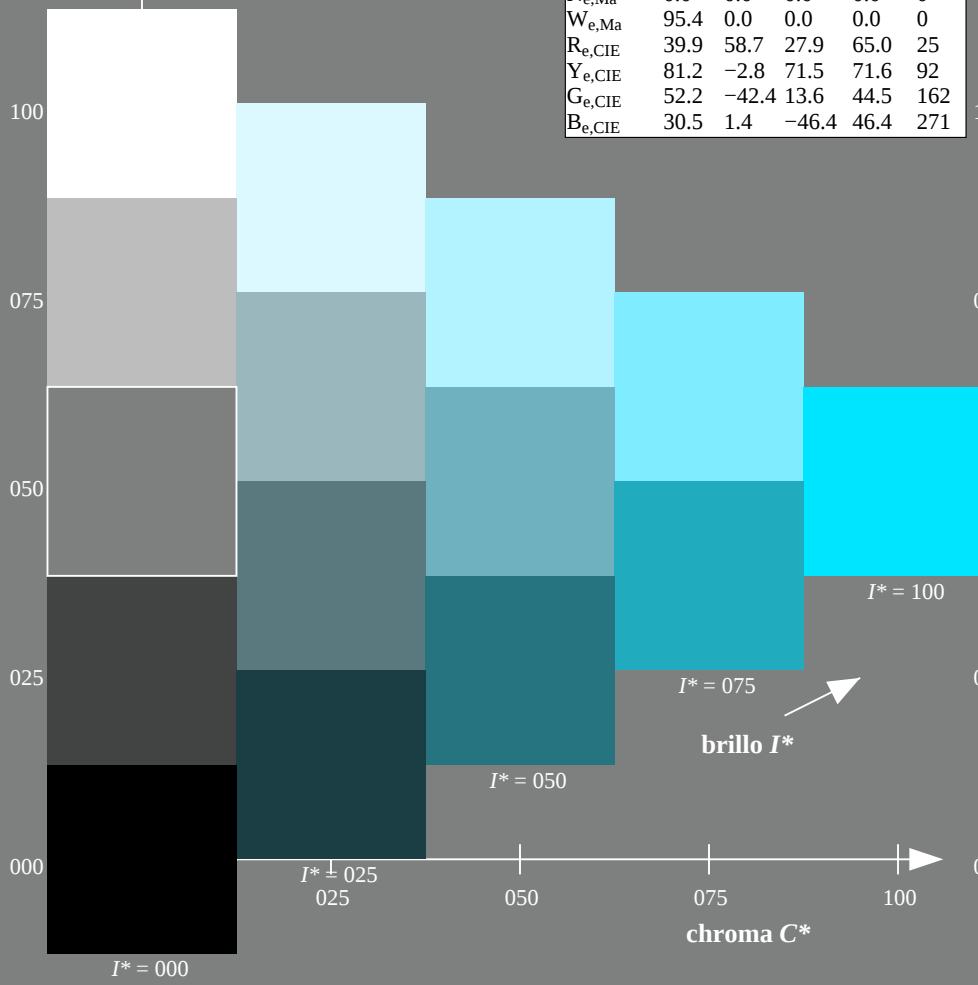


gráfico TUB-QS90; código de tono:  $H^*_e=G50B_e$   
gráfico según a DIN 33872, 3D=1, de=1, sRGB\*

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

TUB matrícula: 20130201-QS90/QS90L0FP.PDF /.PS  
aplicación para la medida de display output, ninguna separación

TUB material: code=rha4ta