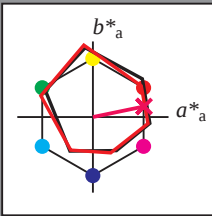


Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 11/360 = 0.03$   $H^*_d = B75R_d$

Data for any device (d) or elementary (e) colour:

$HIC^*_d$   
hue text for the colours of this page:  
 $H^*_d = B75R_d$   
triangle lightness  $T^*$



| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| name                            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R <sub>d</sub> ,Ma              | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| Y <sub>d</sub> ,Ma              | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| G <sub>d</sub> ,Ma              | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| C <sub>d</sub> ,Ma              | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| B <sub>d</sub> ,Ma              | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| M <sub>d</sub> ,Ma              | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| N <sub>d</sub> ,Ma              | 17.7        | 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          |

Data for maximum colour (Ma):

$LabCh^*_{d, Ma}$ : 47 67 14 69 11

$HIC^*_{d, Ma}$ : B75R\_100\_100d

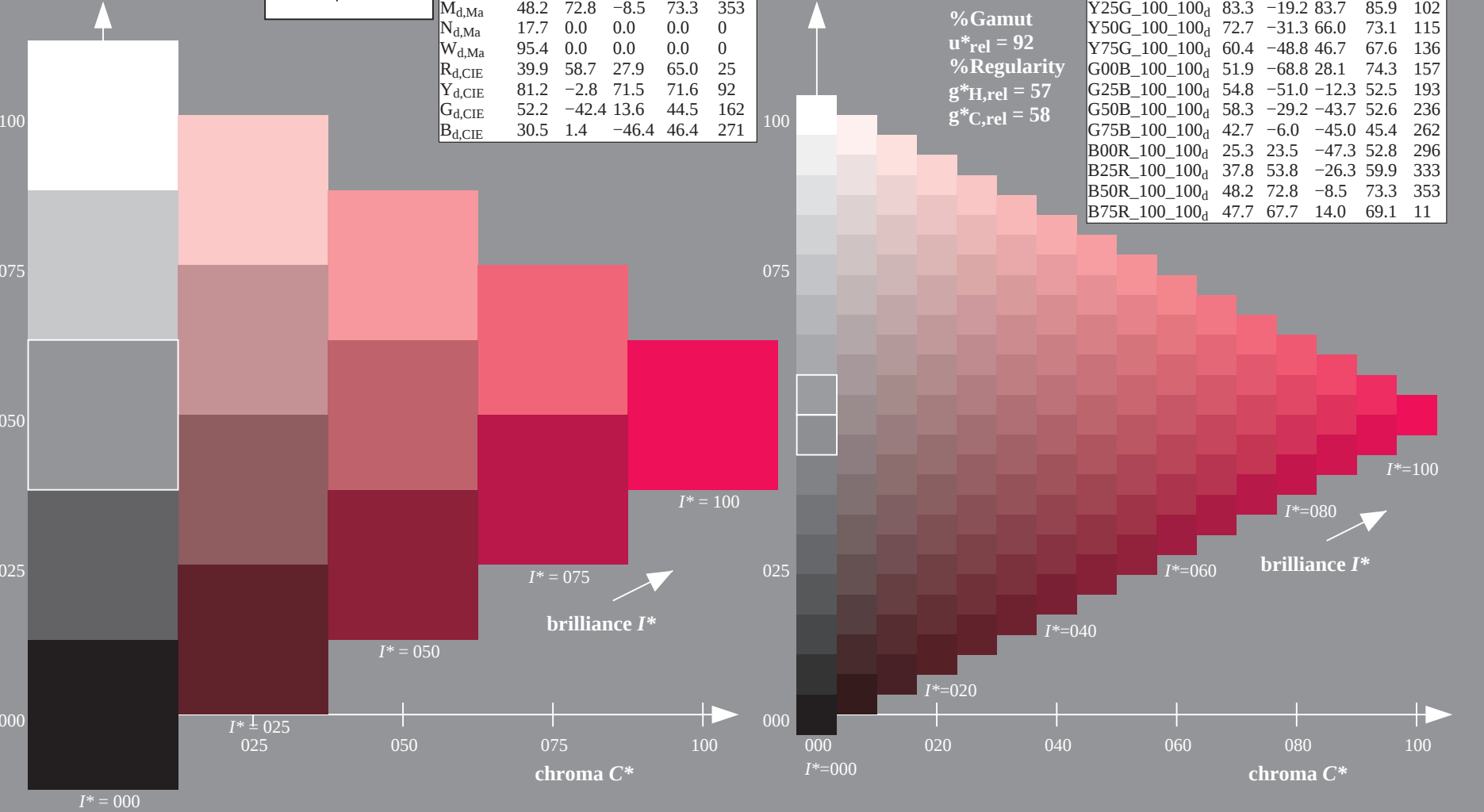
$rgbic^*_{d, Ma}$ :

1.0 0.0 0.5 1.0 1.0

triangle lightness  $T^*$

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

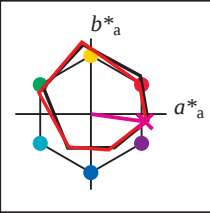
| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_d$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R00Y_100_100d                   | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| R25Y_100_100d                   | 55.3        | 45.8    | 52.2    | 69.5         | 48           |
| R50Y_100_100d                   | 67.2        | 22.6    | 67.6    | 71.2         | 71           |
| R75Y_100_100d                   | 79.9        | 1.0     | 83.9    | 83.9         | 89           |
| Y00G_100_100d                   | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| Y25G_100_100d                   | 83.3        | -19.2   | 83.7    | 85.9         | 102          |
| Y50G_100_100d                   | 72.7        | -31.3   | 66.0    | 73.1         | 115          |
| Y75G_100_100d                   | 60.4        | -48.8   | 46.7    | 67.6         | 136          |
| G00B_100_100d                   | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| G25B_100_100d                   | 54.8        | -51.0   | -12.3   | 52.5         | 193          |
| G50B_100_100d                   | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| G75B_100_100d                   | 42.7        | -6.0    | -45.0   | 45.4         | 262          |
| B00R_100_100d                   | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| B25R_100_100d                   | 37.8        | 53.8    | -26.3   | 59.9         | 333          |
| B50R_100_100d                   | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| B75R_100_100d                   | 47.7        | 67.7    | 14.0    | 69.1         | 11           |



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 352/360 = 0.97$   $H^*_e = B75R_e$

Data for any device (d) or elementary (e) colour:

$HIC^*_e$   
hue text for the colours of this page:  
 $H^*_e = B75R_e$   
triangle lightness  $T^*$

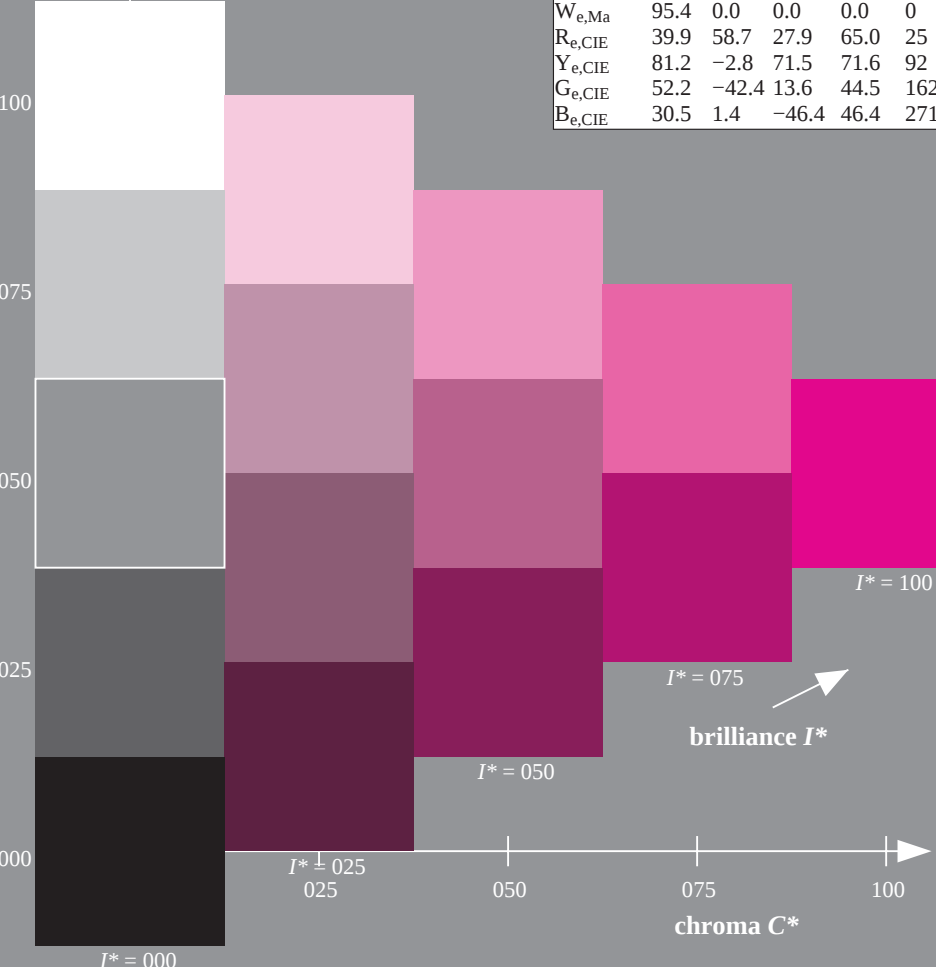
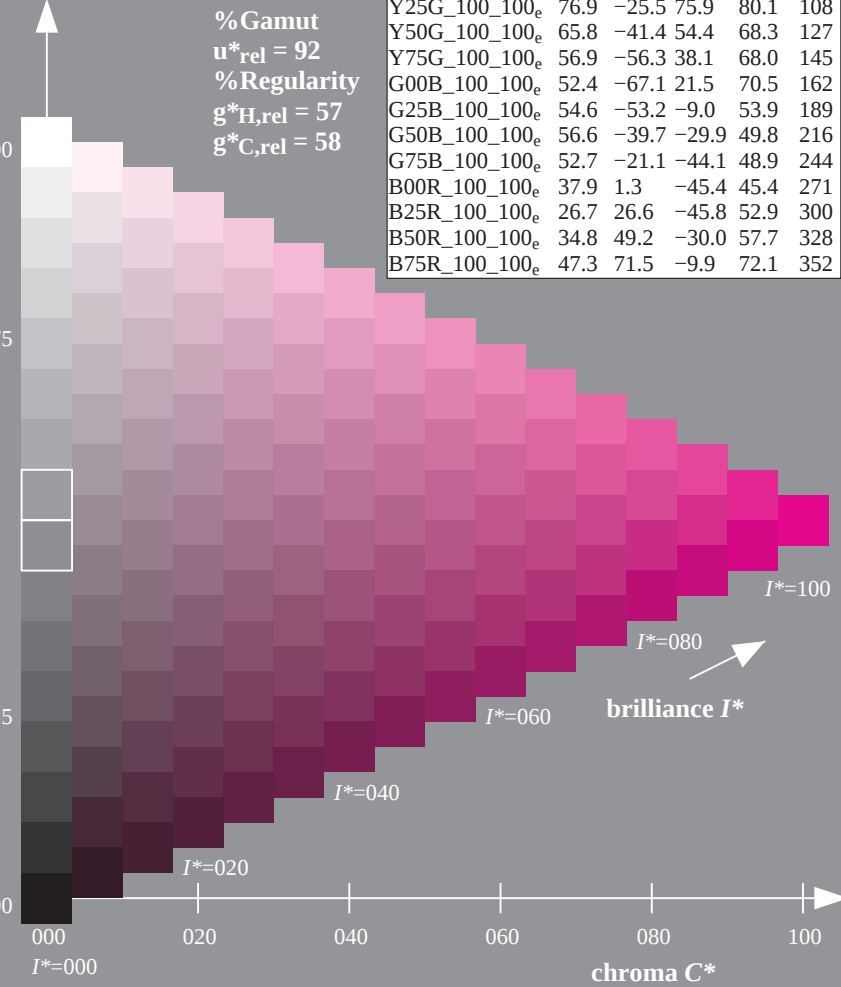


| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| name                            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 47\ 71\ -9\ 72\ 352$   
 $HIC^*_{e, Ma}: B75R\_100\_100_e$   
 $rgbic^*_{e, Ma}: 0.94\ 0.0\ 1.0\ 1.0\ 1.0$   
triangle lightness  $T^*$

| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_e$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |



$$H^*_d = B75R_d$$

**Data for maximum colour (Ma):**

**LabCh<sup>\*</sup><sub>d, Ma</sub>: 47 67 14 69 11**

**HIC\*<sub>d, Ma</sub>: B75R\_100\_100<sub>d</sub>**

*rgbic*\*d, Ma:

1.0 0.0 0.5 1.0 1.0

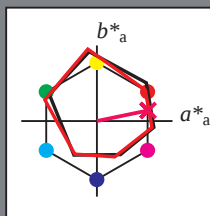
triangle lightness  $T^*$

▲ 0%

## %Gamut

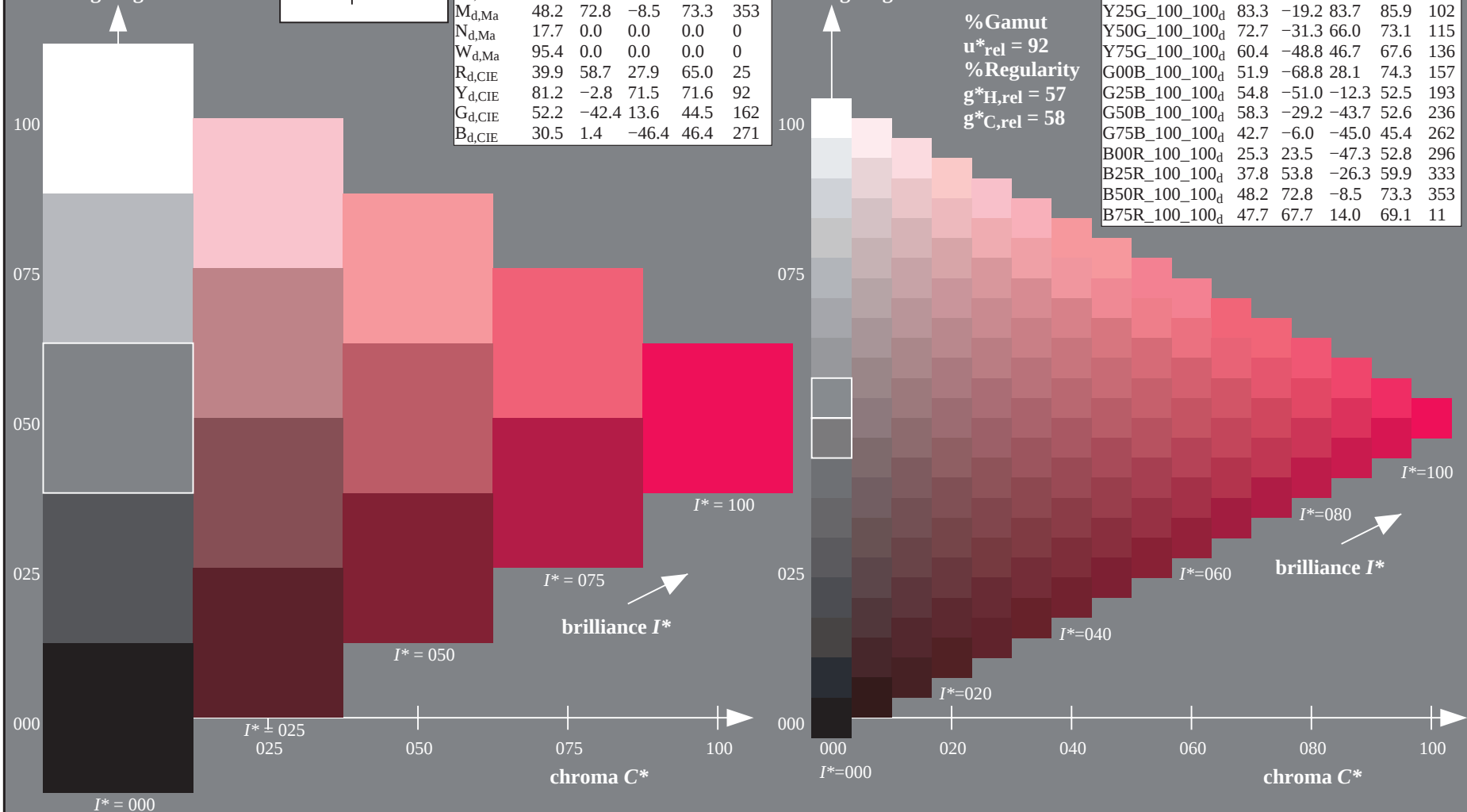
$$u^*_{rel} = 92$$

### %Regularity

$$g^*_{H,rel} = 57$$
$$g^*_{C,rel} = 58$$


| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| name                            | $L^*=L_a^*$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R <sub>d</sub> ,Ma              | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| Y <sub>d</sub> ,Ma              | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| G <sub>d</sub> ,Ma              | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| C <sub>d</sub> ,Ma              | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| B <sub>d</sub> ,Ma              | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| M <sub>d</sub> ,Ma              | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| N <sub>d</sub> ,Ma              | 17.7        | 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          |

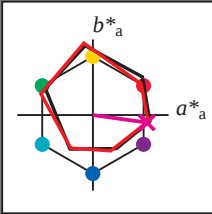
| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_d$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R00Y_100_100 <sub>d</sub>       | 47.3        | 63.8    | 41.2    | 76.0         | 32           |
| R25Y_100_100 <sub>d</sub>       | 55.3        | 45.8    | 52.2    | 69.5         | 48           |
| R50Y_100_100 <sub>d</sub>       | 67.2        | 22.6    | 67.6    | 71.2         | 71           |
| R75Y_100_100 <sub>d</sub>       | 79.9        | 1.0     | 83.9    | 83.9         | 89           |
| Y00G_100_100 <sub>d</sub>       | 88.3        | -11.9   | 95.1    | 95.8         | 97           |
| Y25G_100_100 <sub>d</sub>       | 83.3        | -19.2   | 83.7    | 85.9         | 102          |
| Y50G_100_100 <sub>d</sub>       | 72.7        | -31.3   | 66.0    | 73.1         | 115          |
| Y75G_100_100 <sub>d</sub>       | 60.4        | -48.8   | 46.7    | 67.6         | 136          |
| G00B_100_100 <sub>d</sub>       | 51.9        | -68.8   | 28.1    | 74.3         | 157          |
| G25B_100_100 <sub>d</sub>       | 54.8        | -51.0   | -12.3   | 52.5         | 193          |
| G50B_100_100 <sub>d</sub>       | 58.3        | -29.2   | -43.7   | 52.6         | 236          |
| G75B_100_100 <sub>d</sub>       | 42.7        | -6.0    | -45.0   | 45.4         | 262          |
| B00R_100_100 <sub>d</sub>       | 25.3        | 23.5    | -47.3   | 52.8         | 296          |
| B25R_100_100 <sub>d</sub>       | 37.8        | 53.8    | -26.3   | 59.9         | 333          |
| B50R_100_100 <sub>d</sub>       | 48.2        | 72.8    | -8.5    | 73.3         | 353          |
| B75R_100_100 <sub>d</sub>       | 47.7        | 67.7    | 14.0    | 69.1         | 11           |



Input and Output: Offset Reflective System ORS18a for relative CIELAB hue  $h_{ab,a,rel} = h_{ab}/360 = 352/360 = 0.97$   $H^*_e = B75R_e$

Data for any device (d) or elementary (e) colour:

$HIC^*_e$   
hue text for the colours  
of this page:  
 $H^*_e = B75R_e$   
triangle lightness  $T^*$



| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| 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          |

Data for maximum colour (Ma):

$LabCh^*_{e, Ma}: 47\ 71\ -9\ 72\ 352$

$HIC^*_{e, Ma}: B75R\_100\_100_e$

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

0.94 0.0 1.0 1.0 1.0

triangle lightness  $T^*$

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

| ORS20a; adapted (a) CIELAB data |             |         |         |              |              |
|---------------------------------|-------------|---------|---------|--------------|--------------|
| $H^*_e$                         | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| 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          |

