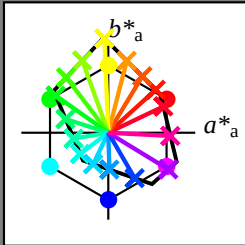


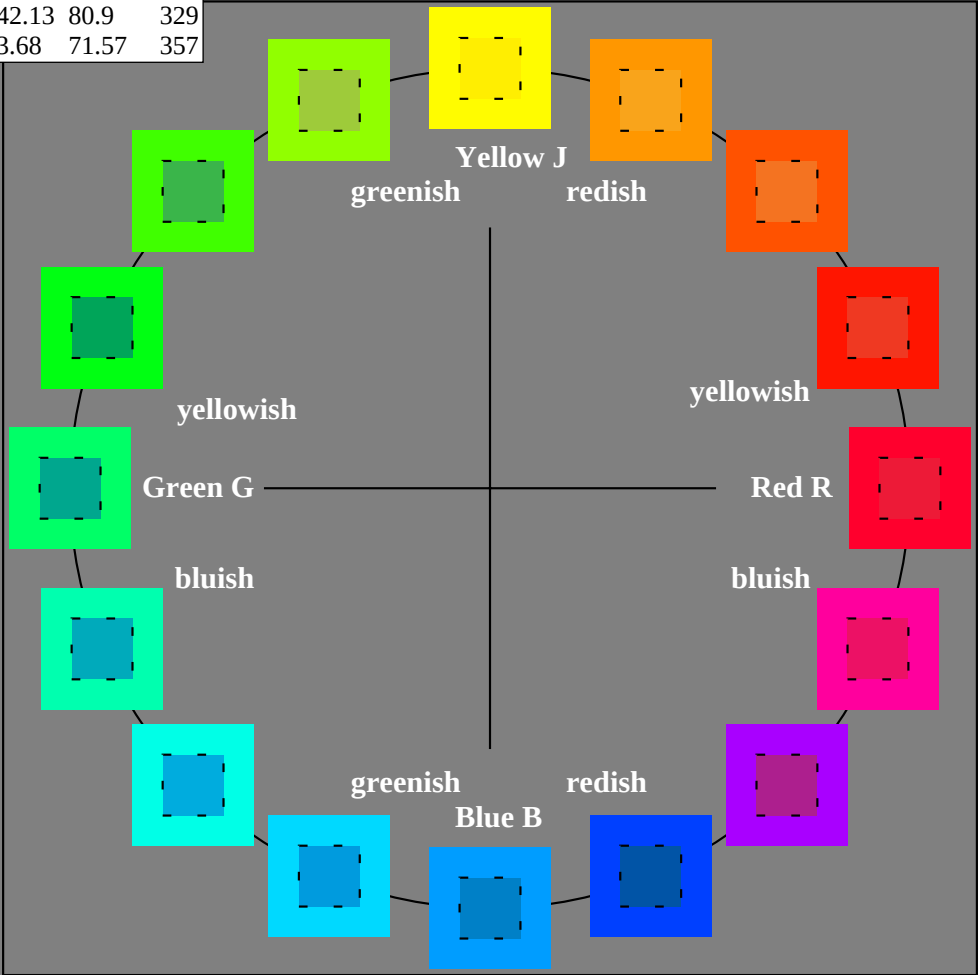
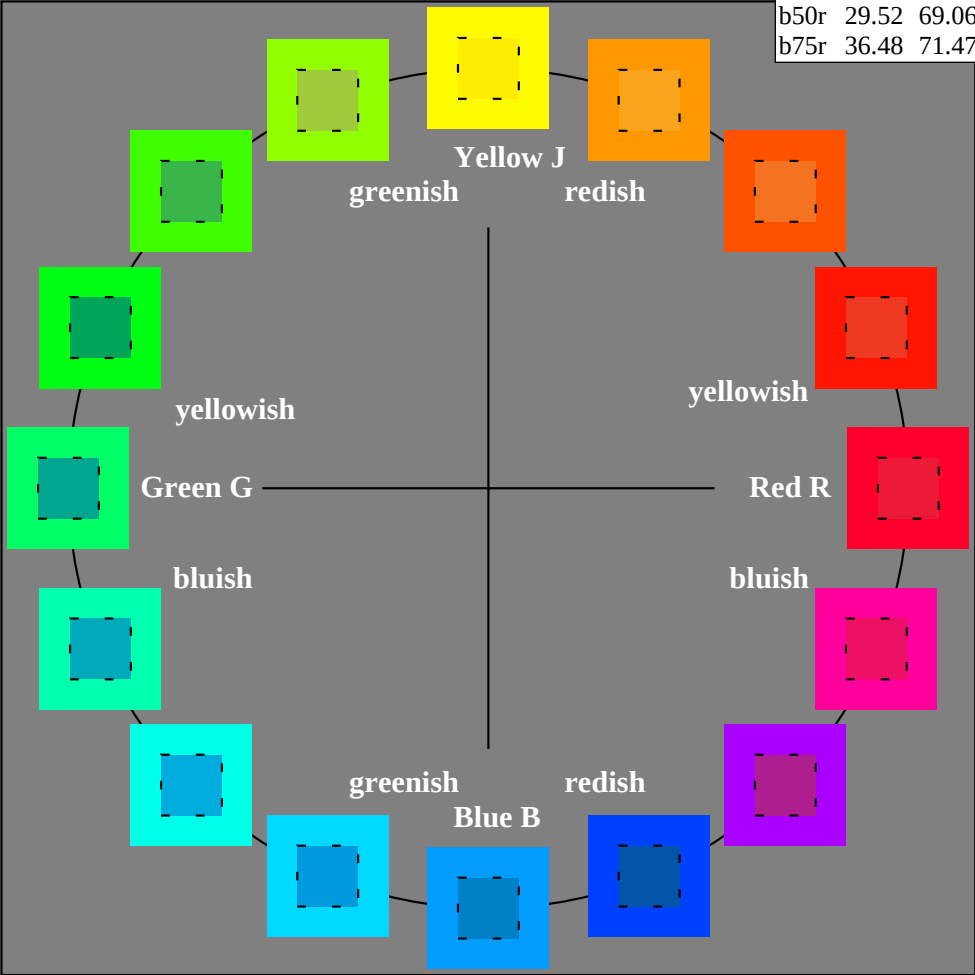
Input and output:  
Colorimetric Printer Reflective System FRS09\_92a  
data for any colour:  
*lab\*tch\* and lab\*icu\**  
elementary hue text:  
*u\* = 16 hues r00j, r25j, ..., b75r*  
contrast reduction factor:  
*c<sub>R</sub> = 1.0*

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



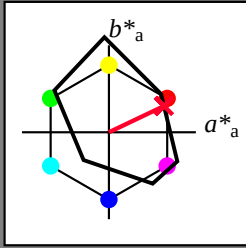
%Gamut  
 $u_{rel}^* = 109$   
%Regularity  
 $g_{H,rel}^* = 31$   
 $g_{C,rel}^* = 40$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r00j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

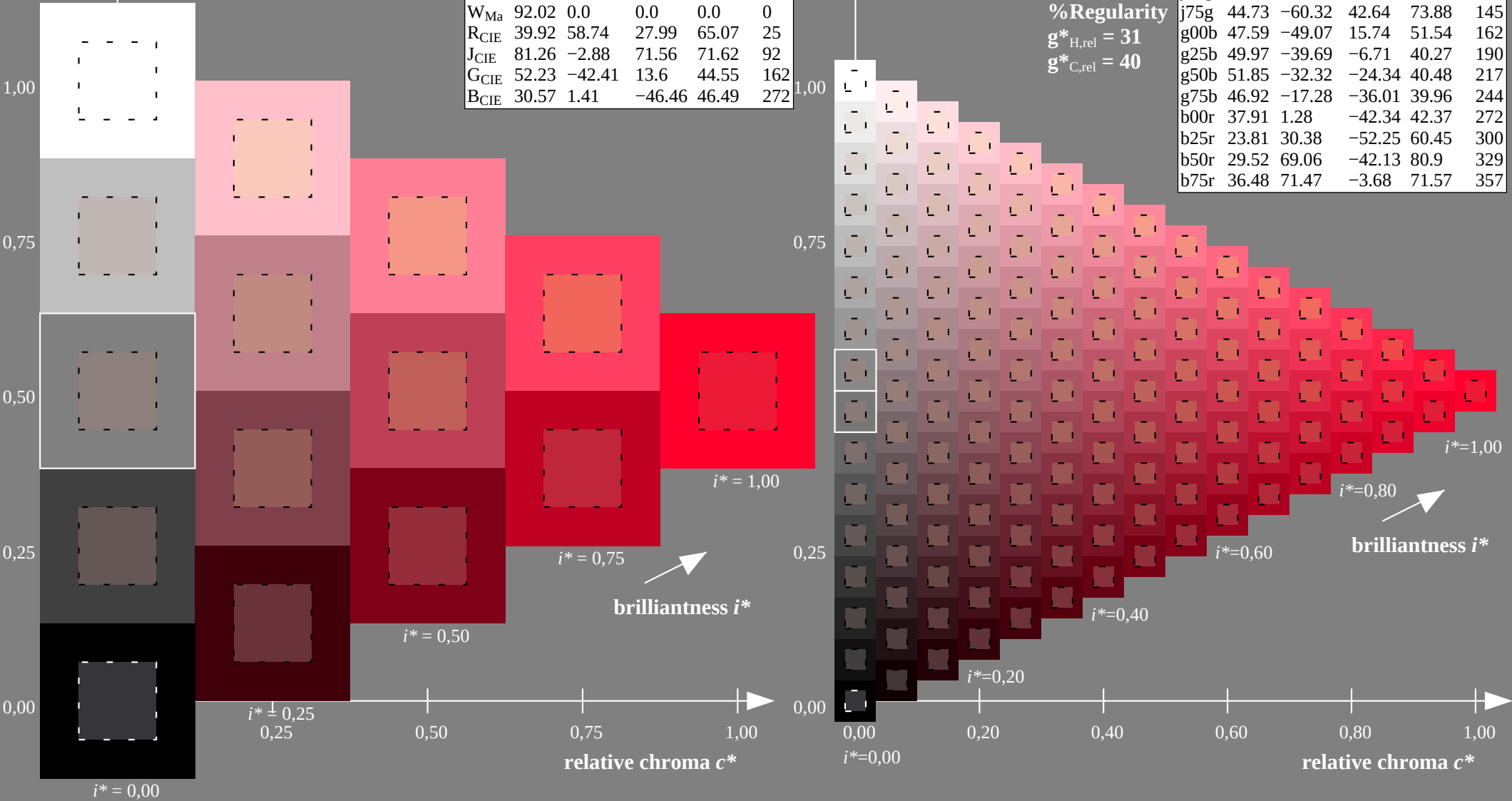


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

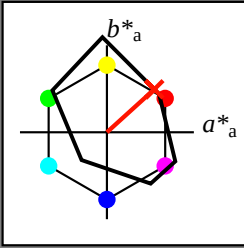
$LAB^*LAB^*Ma$ : 35 63 30  
 $LAB^*LCH^*Ma$ : 35 70 25  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.0 0.18

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r25j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

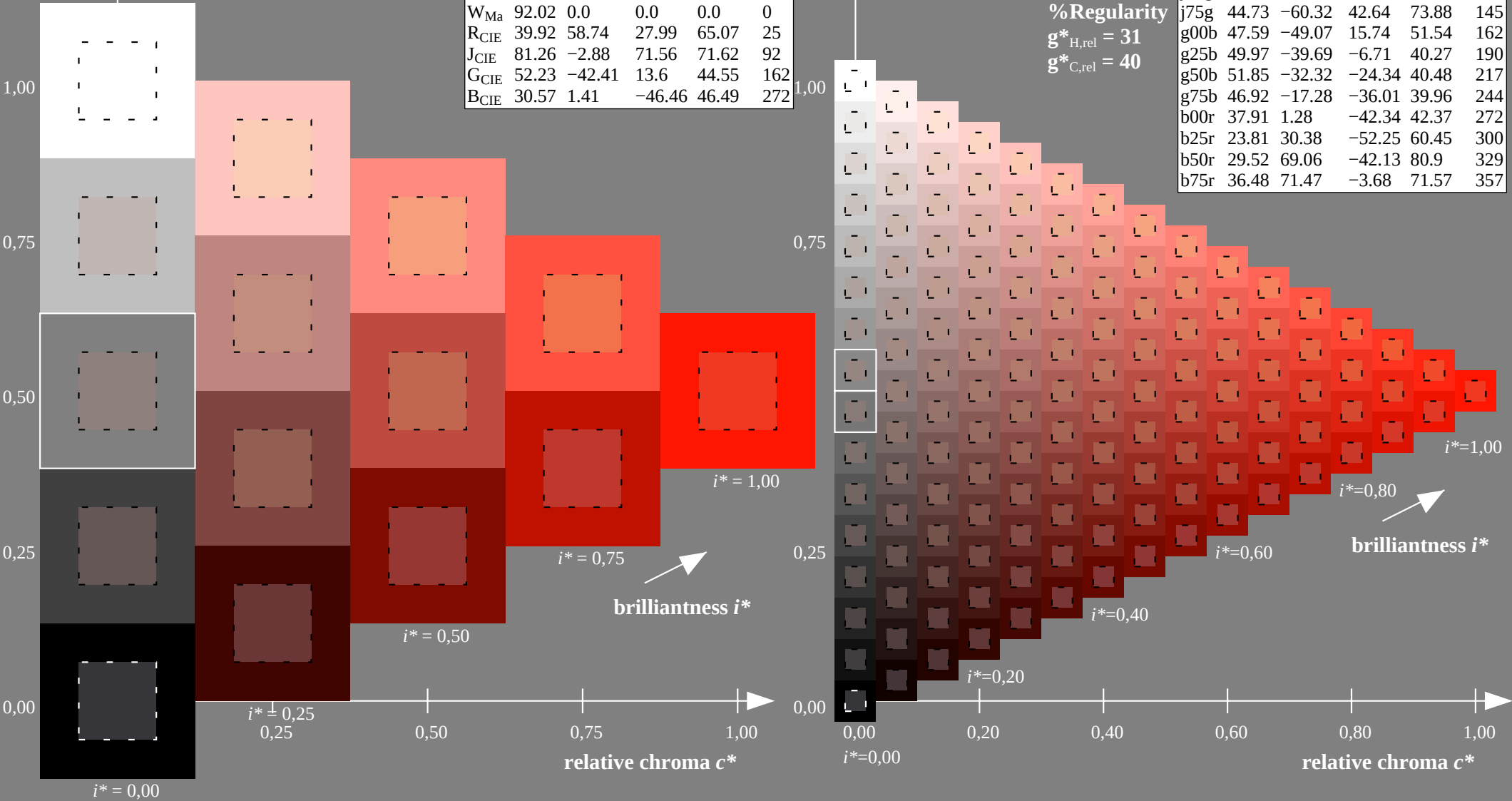


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

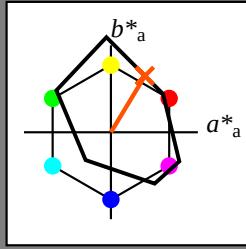
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 39 55 49  
 $LAB^*LCH^*_{Ma}$ : 39 74 42  
 $lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0  
 $lab^*olv^*_{Ma}$ : 1.0 0.08 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



$u^* = r50j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$



| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06         | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77         | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13         | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66         | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15         | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37         | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58          | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

triangle lightness  $t^*$

triangle lightness  $t^*$

**Abstract**

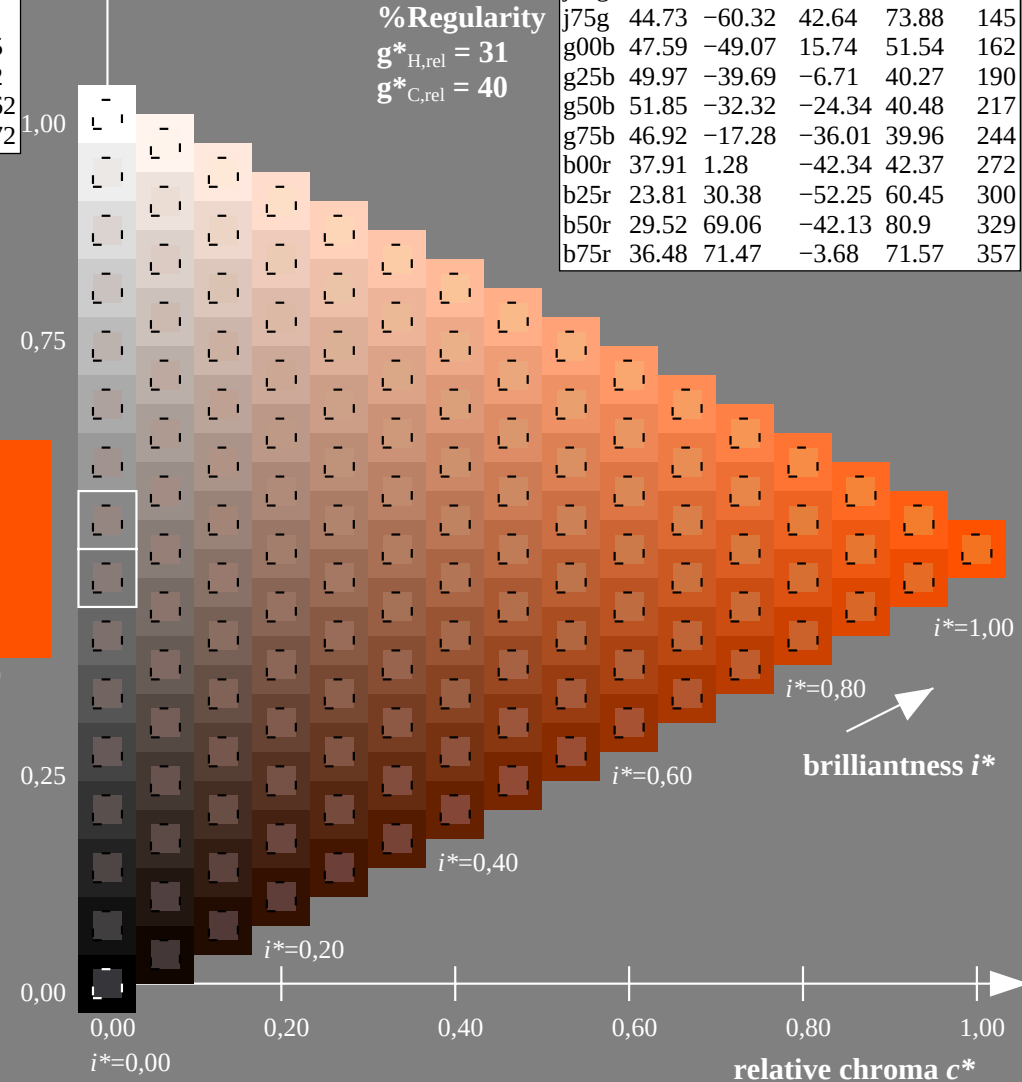
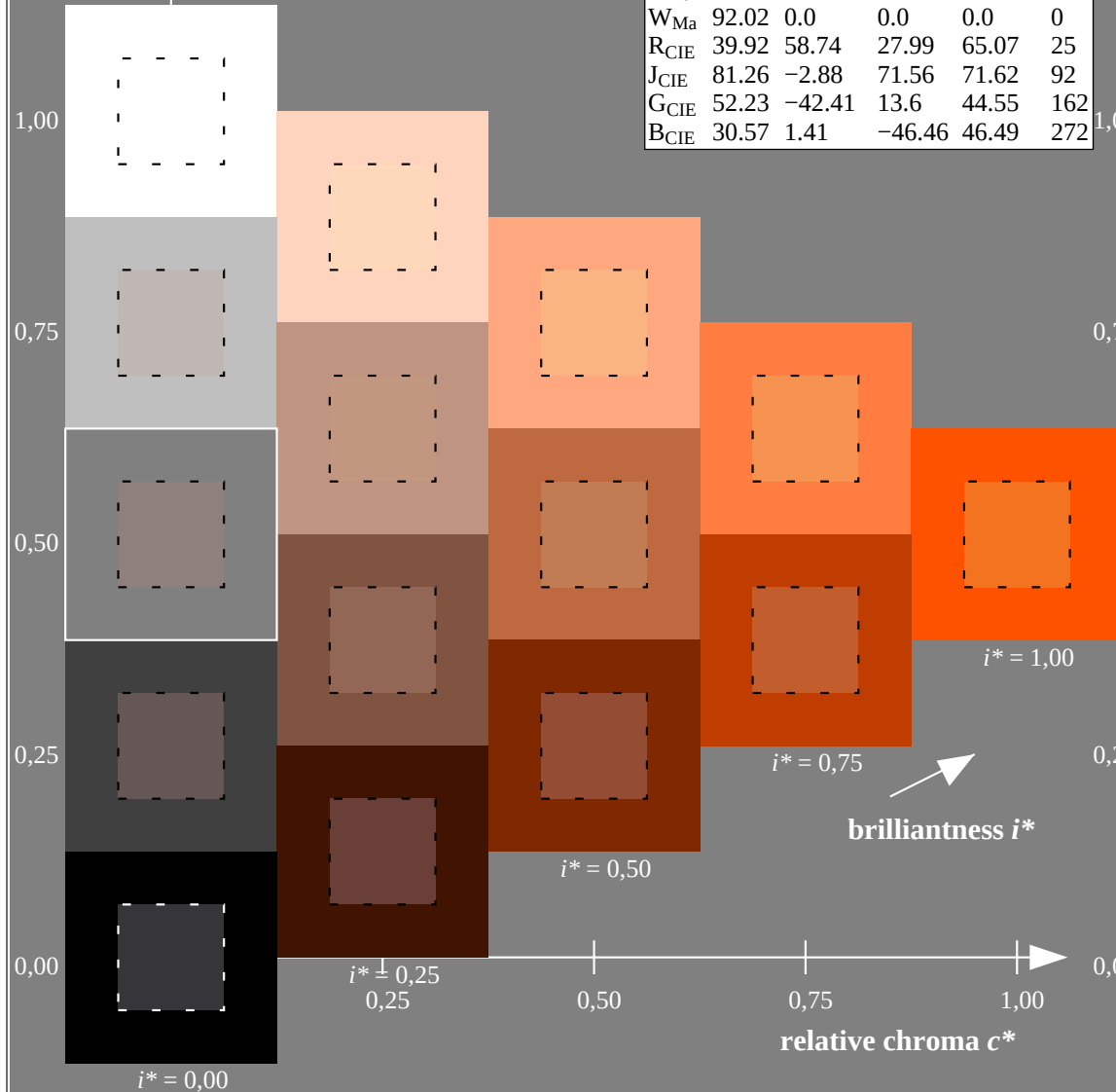
## % Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

## %Regularity

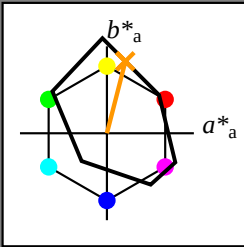
$$g^*_{H,rel} = 31$$
$$g^*_{C,rel} = 40$$

| FRS09_92a; adapted (a) CIELAB data |                   |         |         |              |              |  |
|------------------------------------|-------------------|---------|---------|--------------|--------------|--|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| r00j                               | 35.47             | 63.32   | 30.17   | 70.15        | 25           |  |
| r25j                               | 39.12             | 54.56   | 49.45   | 73.64        | 42           |  |
| r50j                               | 50.64             | 39.15   | 64.89   | 75.79        | 59           |  |
| r75j                               | 64.01             | 21.26   | 82.83   | 85.52        | 76           |  |
| j00g                               | 83.18             | -4.37   | 108.53  | 108.62       | 92           |  |
| j25g                               | 66.73             | -29.88  | 83.06   | 88.28        | 110          |  |
| j50g                               | 54.03             | -48.3   | 63.49   | 79.78        | 127          |  |
| j75g                               | 44.73             | -60.32  | 42.64   | 73.88        | 145          |  |
| g00b                               | 47.59             | -49.07  | 15.74   | 51.54        | 162          |  |
| g25b                               | 49.97             | -39.69  | -6.71   | 40.27        | 190          |  |
| g50b                               | 51.85             | -32.32  | -24.34  | 40.48        | 217          |  |
| g75b                               | 46.92             | -17.28  | -36.01  | 39.96        | 244          |  |
| b00r                               | 37.91             | 1.28    | -42.34  | 42.37        | 272          |  |
| b25r                               | 23.81             | 30.38   | -52.25  | 60.45        | 300          |  |
| b50r                               | 29.52             | 69.06   | -42.13  | 80.9         | 329          |  |
| b75r                               | 36.48             | 71.47   | -3.68   | 71.57        | 357          |  |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r75j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

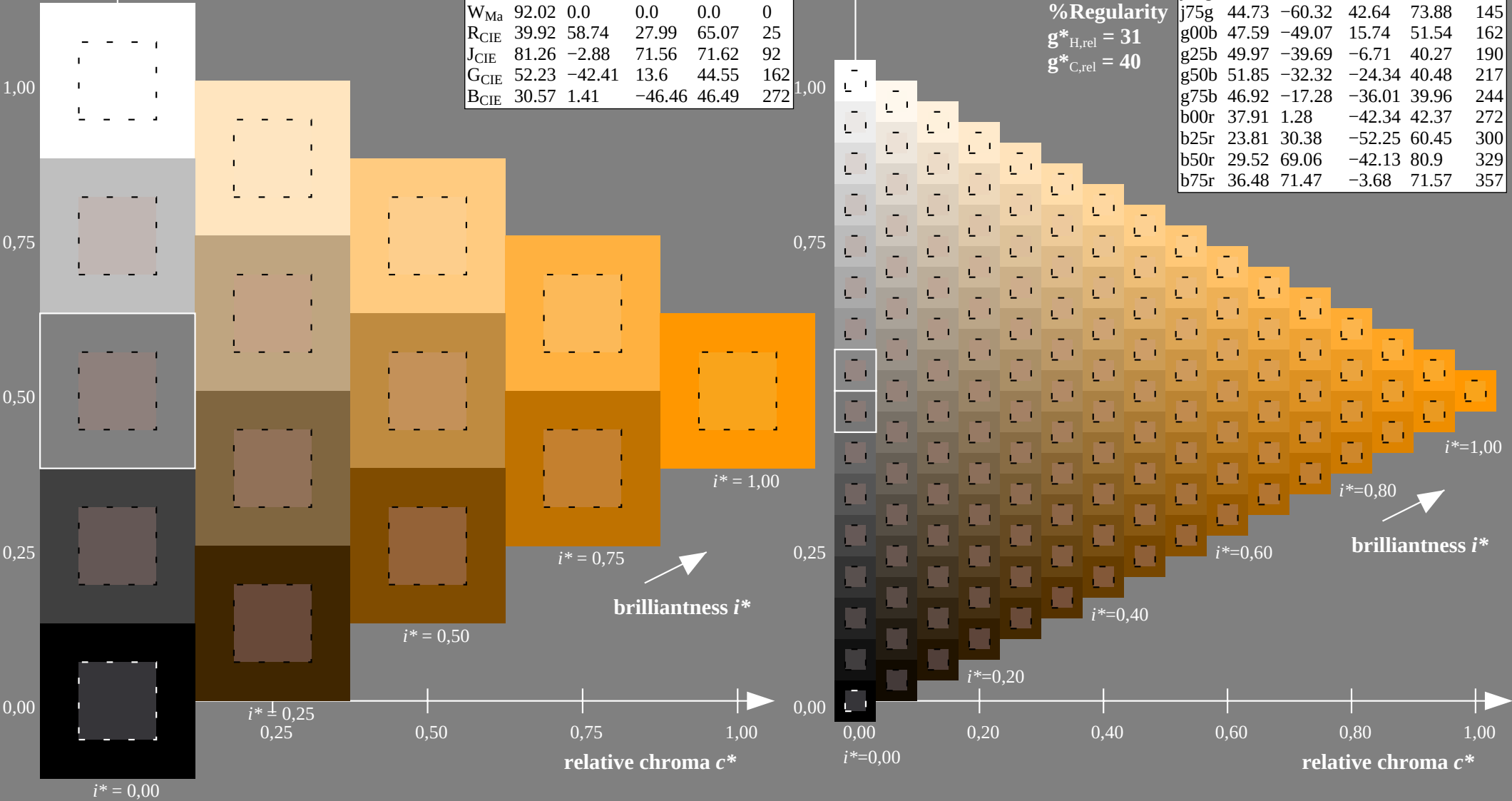


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

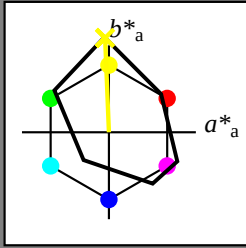
$LAB^*LAB^*Ma$ : 64 21 83  
 $LAB^*LCH^*Ma$ : 64 86 76  
 $lab^*rgb^*Ma$ : 1.0 0.75 0.0  
 $lab^*olv^*Ma$ : 1.0 0.59 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j00g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

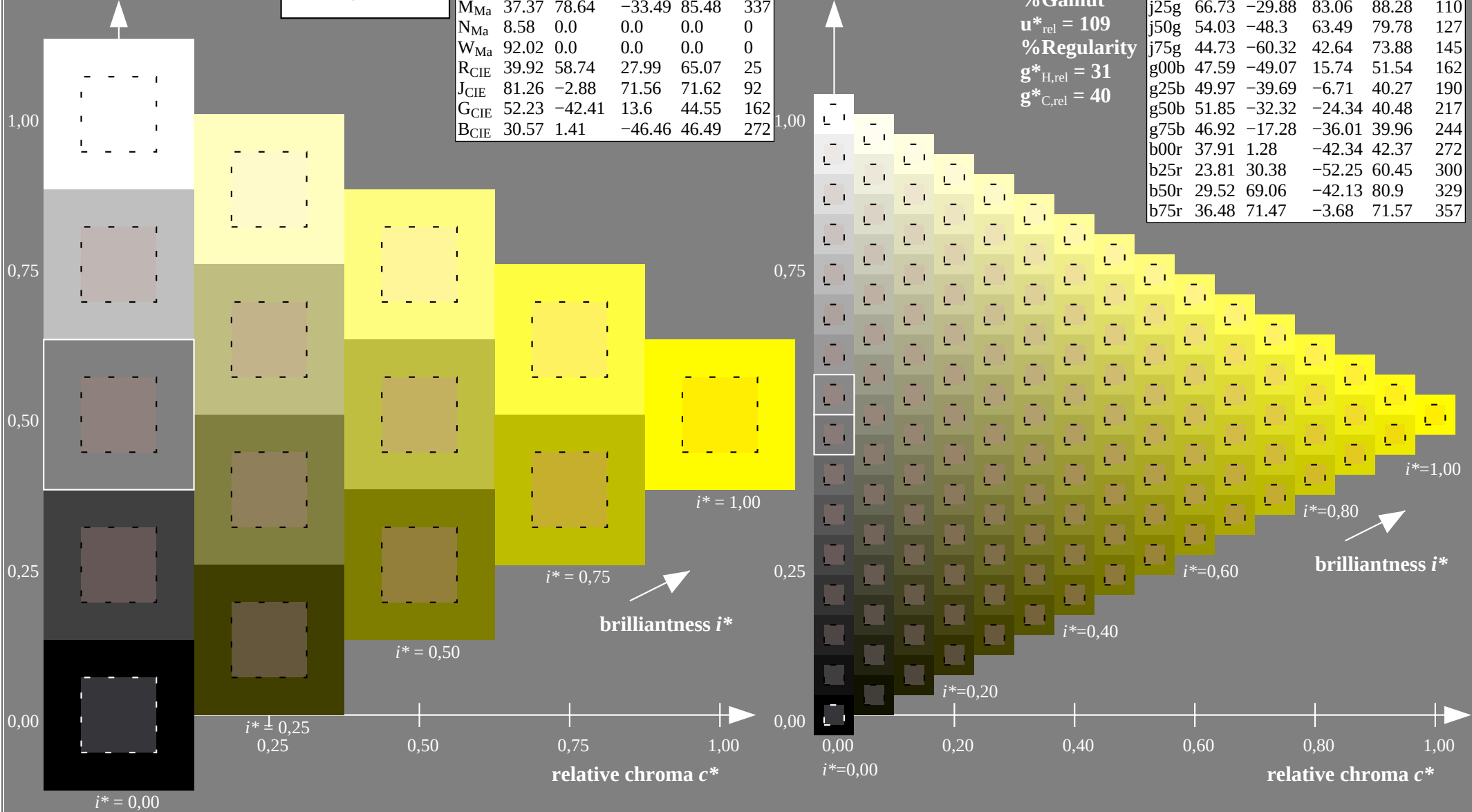


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

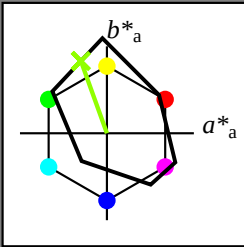
$LAB^*LAB^*Ma: 83 -3 109$   
 $LAB^*LCH^*Ma: 83 109 92$   
 $lab^*rgb^*Ma: 1.0 1.0 0.0$   
 $lab^*olv^*Ma: 1.0 0.99 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j25g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

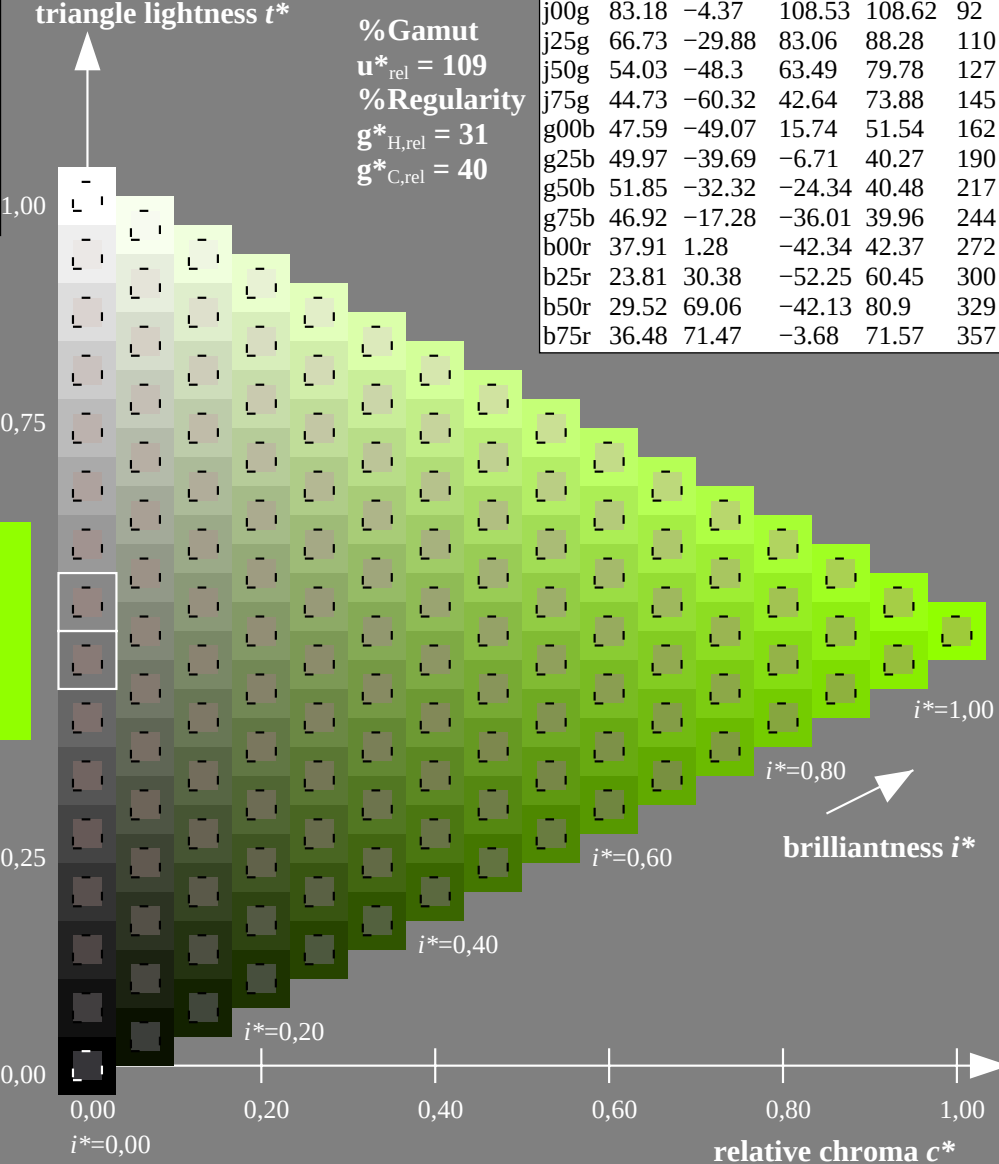
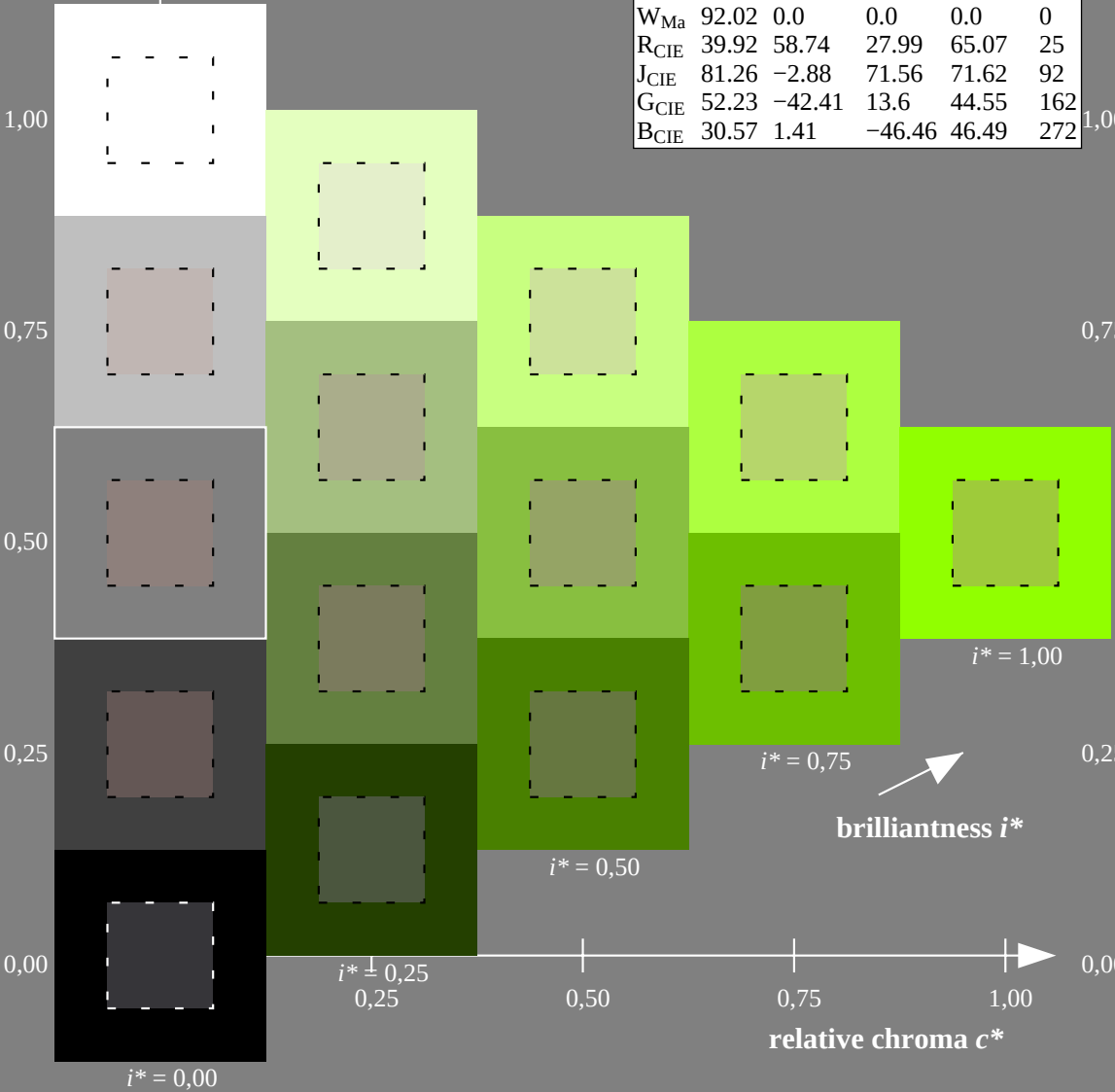


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

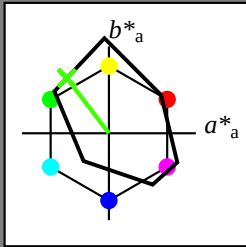
$LAB^*LAB^*_{Ma}$ : 67 -29 83  
 $LAB^*LCH^*_{Ma}$ : 67 88 110  
 $lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0  
 $lab^*olv^*_{Ma}$ : 0.57 1.0 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j50g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

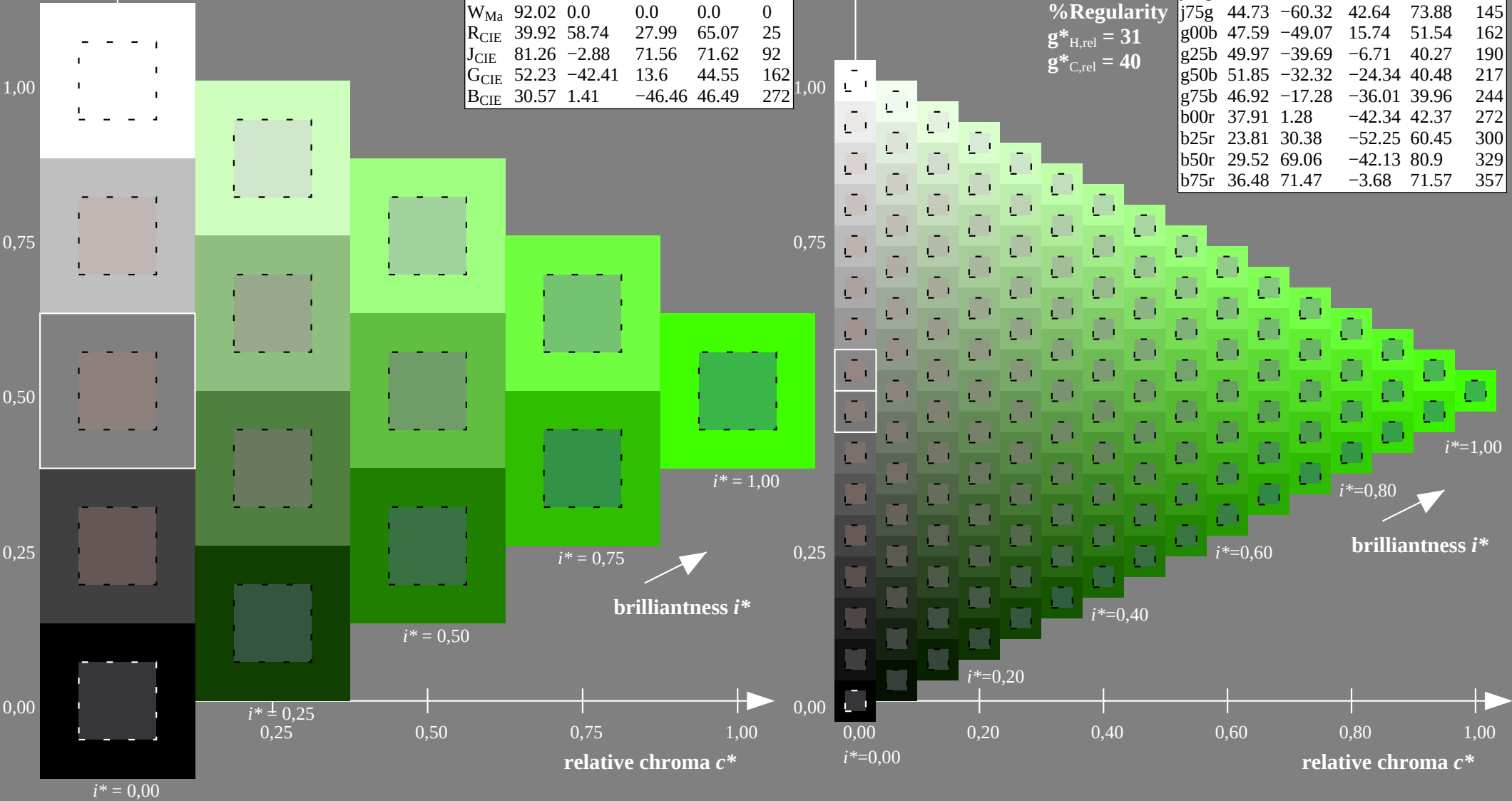


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 54 -47 63  
 $LAB^*LCH^*_{Ma}$ : 54 80 127  
 $lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0  
 $lab^*olv^*_{Ma}$ : 0.25 1.0 0.0

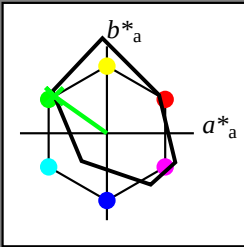
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j75g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

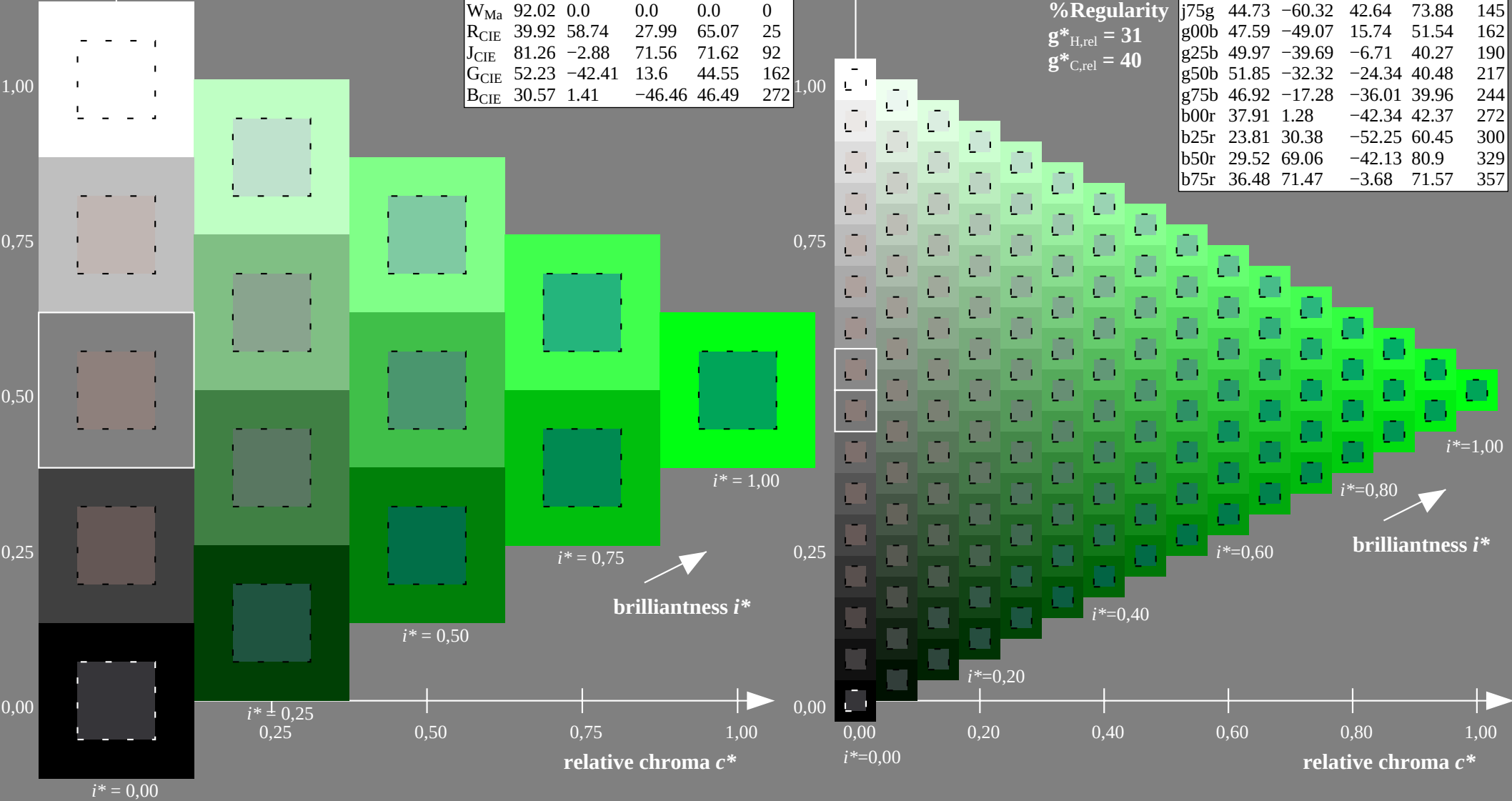


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

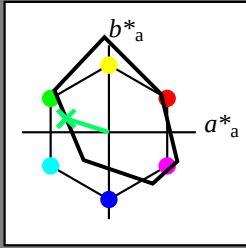
$LAB^*LAB^*_{Ma}$ : 45 -59 43  
 $LAB^*LCH^*_{Ma}$ : 45 74 145  
 $lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.07

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g00b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

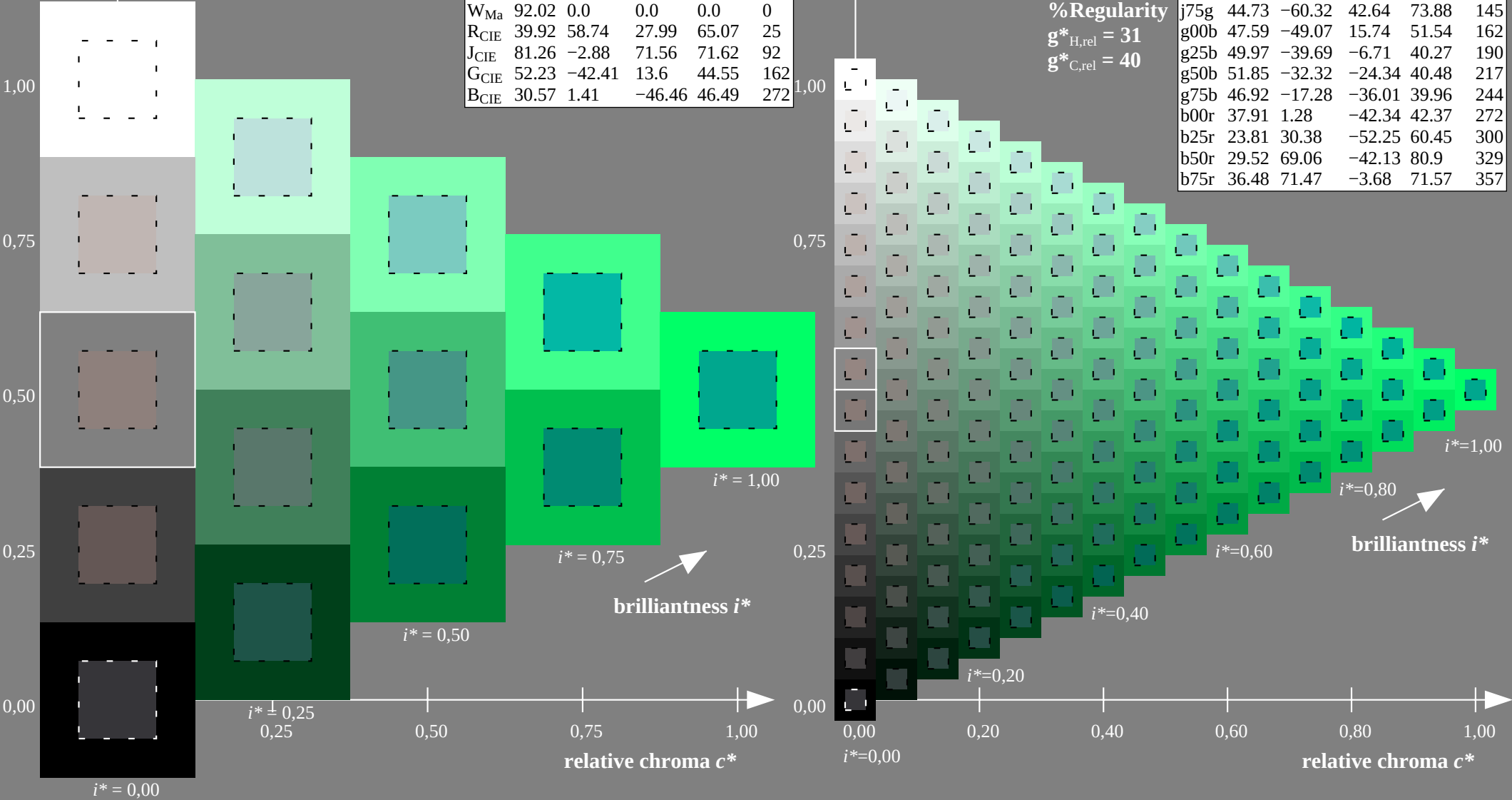


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 48 \ -48 \ 16$   
 $LAB^*LCH^*Ma: 48 \ 52 \ 162$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.0$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.41$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



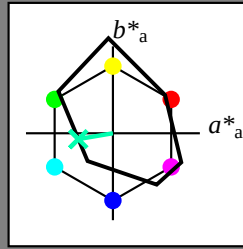
**Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$  data for any colour: Data for maximum colour (Ma):**

*lab\*tch\** and *lab\*icu\**

**elementary hue text:**

$$u^* = g25b$$

**contrast reduction factor:**

$$c_R = 1.0$$
triangle lightness  $t^*$ 

FRS09\_92a; adapted (a) CIELAB data

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>  | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>  | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>  | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>  | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>  | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>  | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

### Data for maximum colour (Ma):

**LAB\*LAB\*<sub>M3</sub>: 50 -39 -6**

**LAB\*LCH\*Ma: 50 40 190**

***lab\*rgb\*\_Ma: 0.0 1.0 0.5***

**lab\*olv\*Ma: 0.0 1.0 0.69**

triangle lightness  $t^*$

▲

## % Gamut

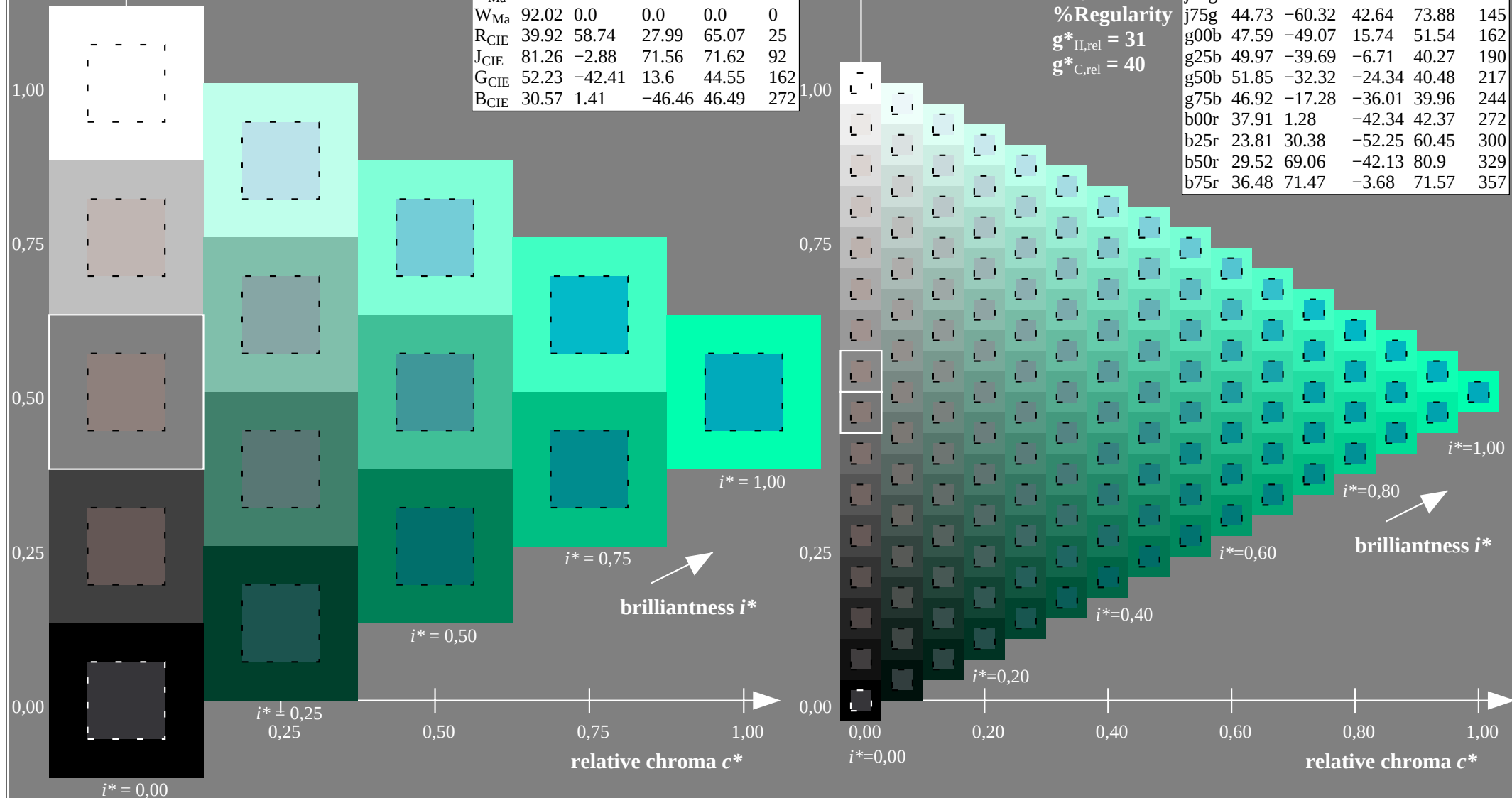
$$\mathbf{u}_{\text{rel}}^* = 109$$

## %Regularity

$$g^*_{H,rel} = 31$$
$$g^*_{C,rel} = 40$$

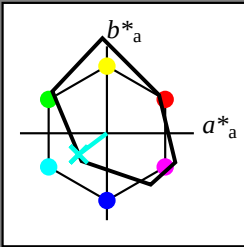
FRS09\_92a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 35.47         | 63.32   | 30.17   | 70.15        | 25           |
| r25j | 39.12         | 54.56   | 49.45   | 73.64        | 42           |
| r50j | 50.64         | 39.15   | 64.89   | 75.79        | 59           |
| r75j | 64.01         | 21.26   | 82.83   | 85.52        | 76           |
| j00g | 83.18         | -4.37   | 108.53  | 108.62       | 92           |
| j25g | 66.73         | -29.88  | 83.06   | 88.28        | 110          |
| j50g | 54.03         | -48.3   | 63.49   | 79.78        | 127          |
| j75g | 44.73         | -60.32  | 42.64   | 73.88        | 145          |
| g00b | 47.59         | -49.07  | 15.74   | 51.54        | 162          |
| g25b | 49.97         | -39.69  | -6.71   | 40.27        | 190          |
| g50b | 51.85         | -32.32  | -24.34  | 40.48        | 217          |
| g75b | 46.92         | -17.28  | -36.01  | 39.96        | 244          |
| b00r | 37.91         | 1.28    | -42.34  | 42.37        | 272          |
| b25r | 23.81         | 30.38   | -52.25  | 60.45        | 300          |
| b50r | 29.52         | 69.06   | -42.13  | 80.9         | 329          |
| b75r | 36.48         | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g50b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

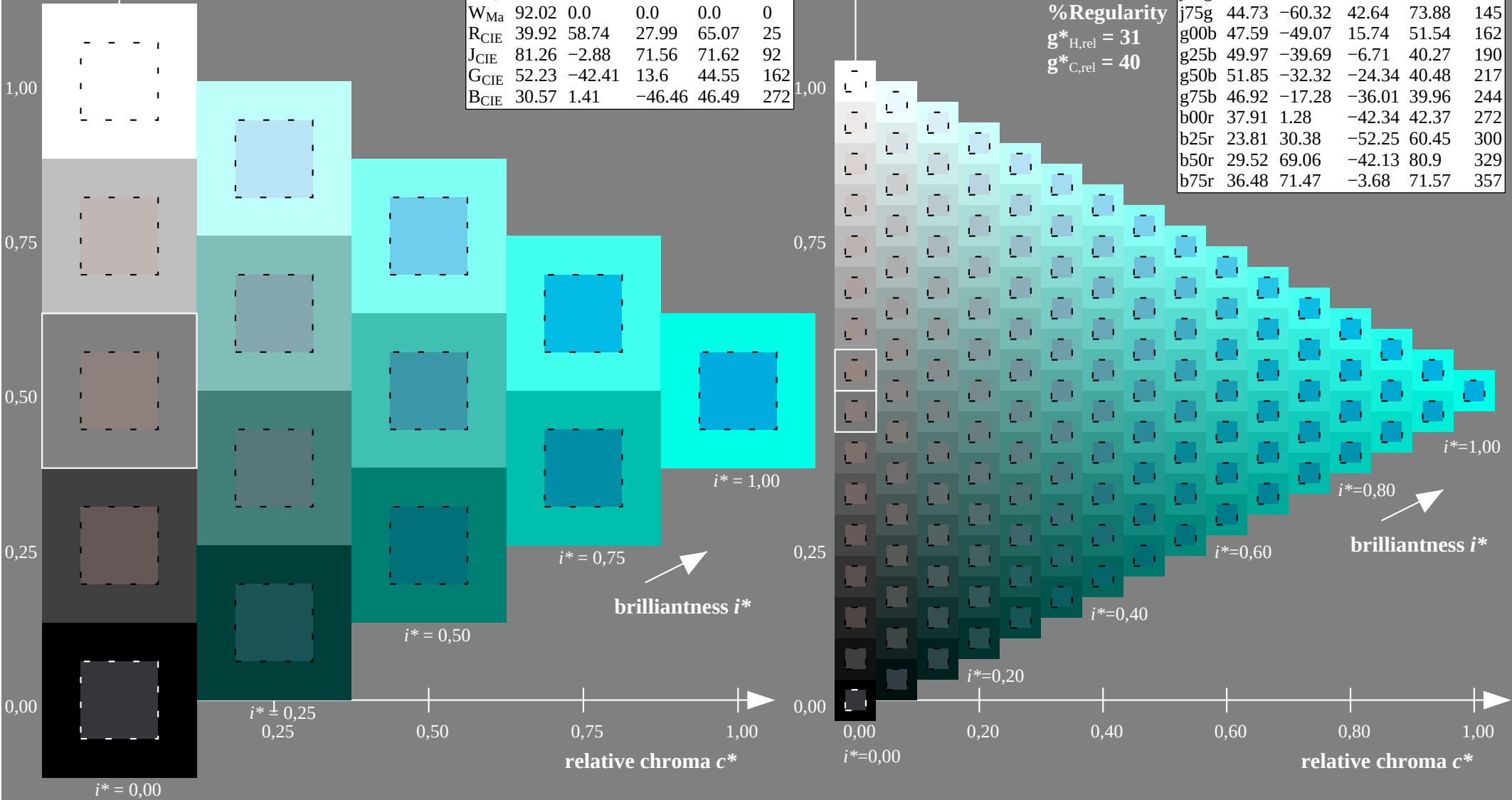


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

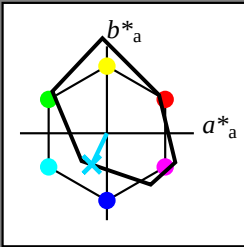
$LAB^*LAB^*_{Ma}$ : 52 -31 -23  
 $LAB^*LCH^*_{Ma}$ : 52 40 217  
 $lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.9

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g75b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

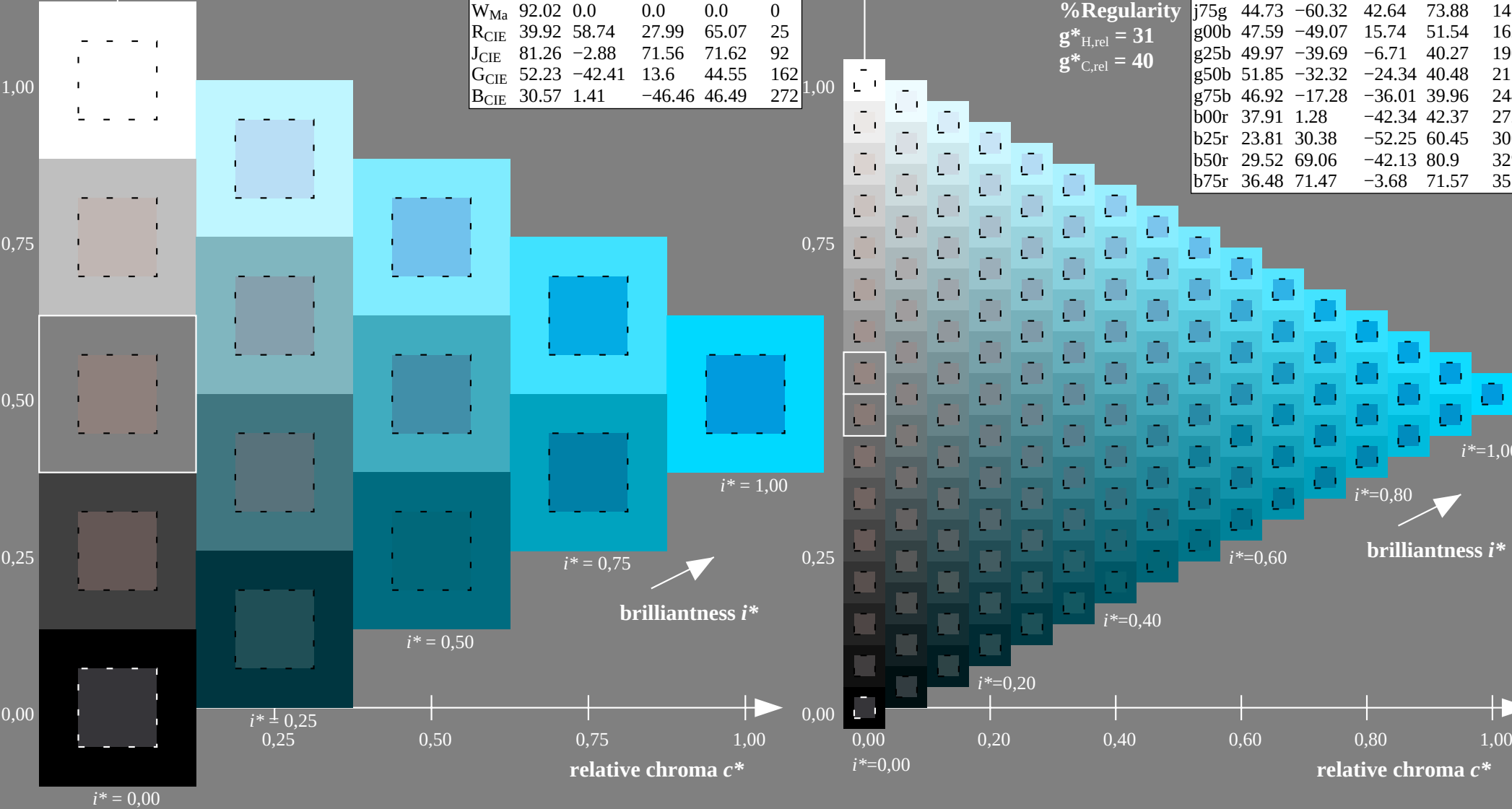


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

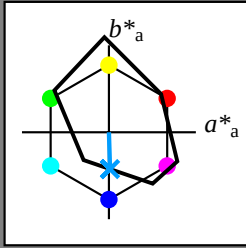
$LAB^*LAB^*_{Ma}$ : 47 -16 -35  
 $LAB^*LCH^*_{Ma}$ : 47 40 244  
 $lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0  
 $lab^*olv^*_{Ma}$ : 0.0 0.85 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b00r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

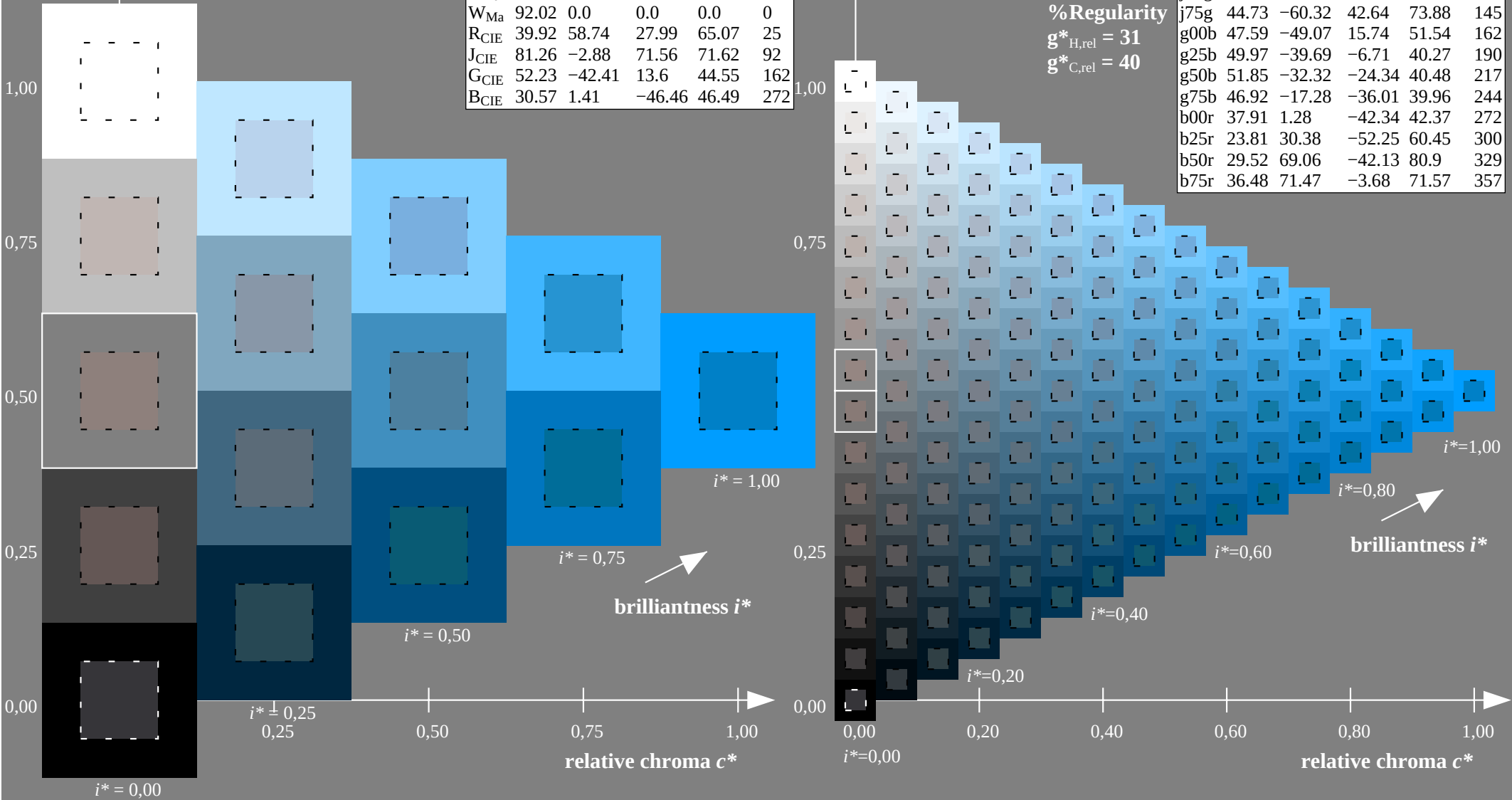


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

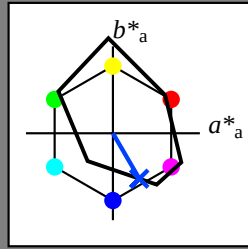
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 38 1 -41  
 $LAB^*LCH^*_{Ma}$ : 38 42 272  
 $lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*olv^*_{Ma}$ : 0.0 0.62 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



$c_R = 1.0$   
triangle lightness  $t^*$

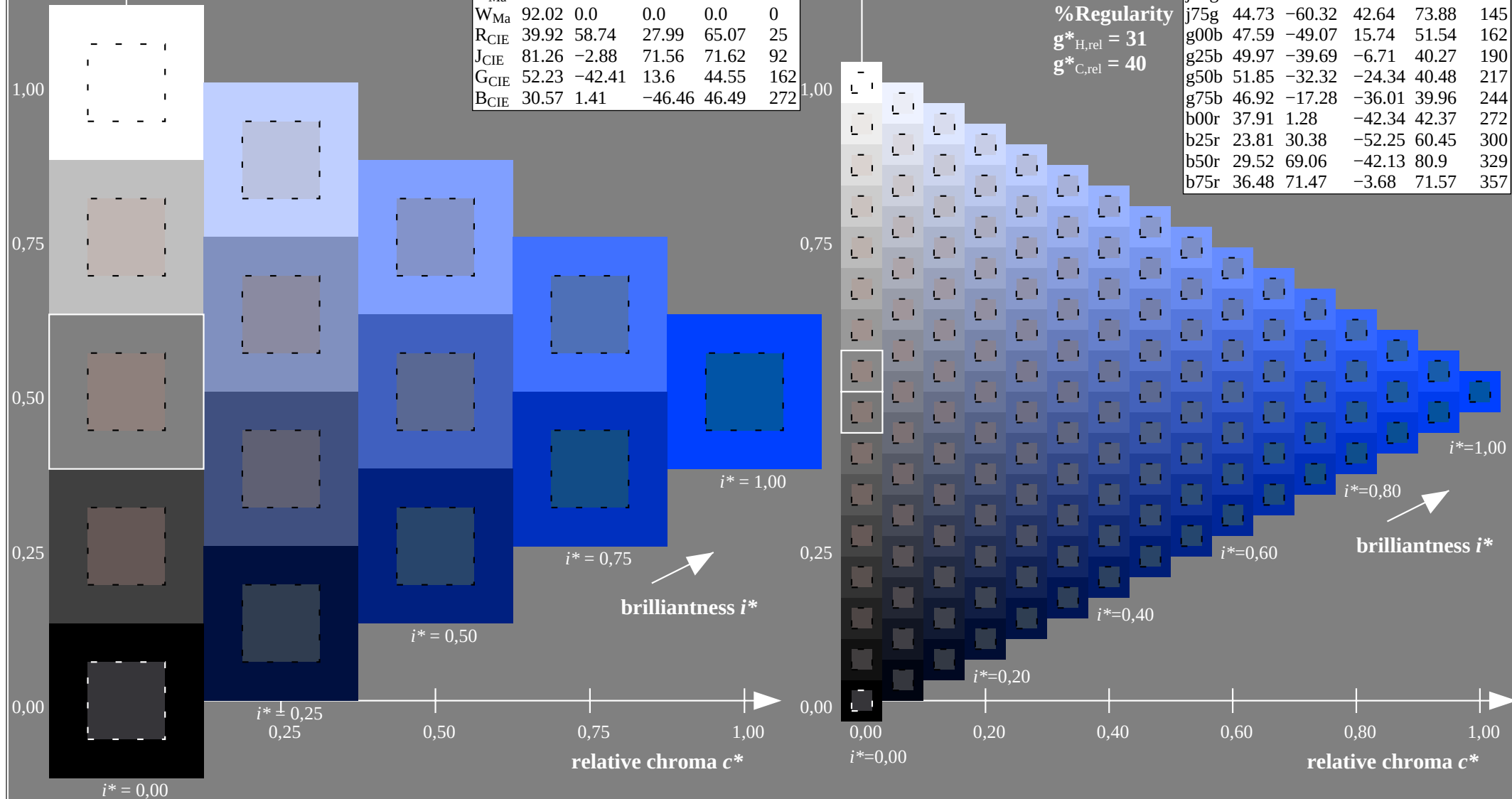


| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06         | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77         | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13         | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66         | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15         | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37         | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58          | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

triangle lightness  $t^*$

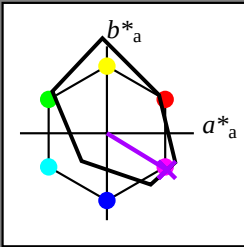


| FRS09_92a; adapted (a) CIELAB data |                   |         |         |              |              |  |
|------------------------------------|-------------------|---------|---------|--------------|--------------|--|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| r00j                               | 35.47             | 63.32   | 30.17   | 70.15        | 25           |  |
| r25j                               | 39.12             | 54.56   | 49.45   | 73.64        | 42           |  |
| r50j                               | 50.64             | 39.15   | 64.89   | 75.79        | 59           |  |
| r75j                               | 64.01             | 21.26   | 82.83   | 85.52        | 76           |  |
| j00g                               | 83.18             | -4.37   | 108.53  | 108.62       | 92           |  |
| j25g                               | 66.73             | -29.88  | 83.06   | 88.28        | 110          |  |
| j50g                               | 54.03             | -48.3   | 63.49   | 79.78        | 127          |  |
| j75g                               | 44.73             | -60.32  | 42.64   | 73.88        | 145          |  |
| g00b                               | 47.59             | -49.07  | 15.74   | 51.54        | 162          |  |
| g25b                               | 49.97             | -39.69  | -6.71   | 40.27        | 190          |  |
| g50b                               | 51.85             | -32.32  | -24.34  | 40.48        | 217          |  |
| g75b                               | 46.92             | -17.28  | -36.01  | 39.96        | 244          |  |
| b00r                               | 37.91             | 1.28    | -42.34  | 42.37        | 272          |  |
| b25r                               | 23.81             | 30.38   | -52.25  | 60.45        | 300          |  |
| b50r                               | 29.52             | 69.06   | -42.13  | 80.9         | 329          |  |
| b75r                               | 36.48             | 71.47   | -3.68   | 71.57        | 357          |  |

$$g^*_{C,rel} = 40$$


Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b50r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

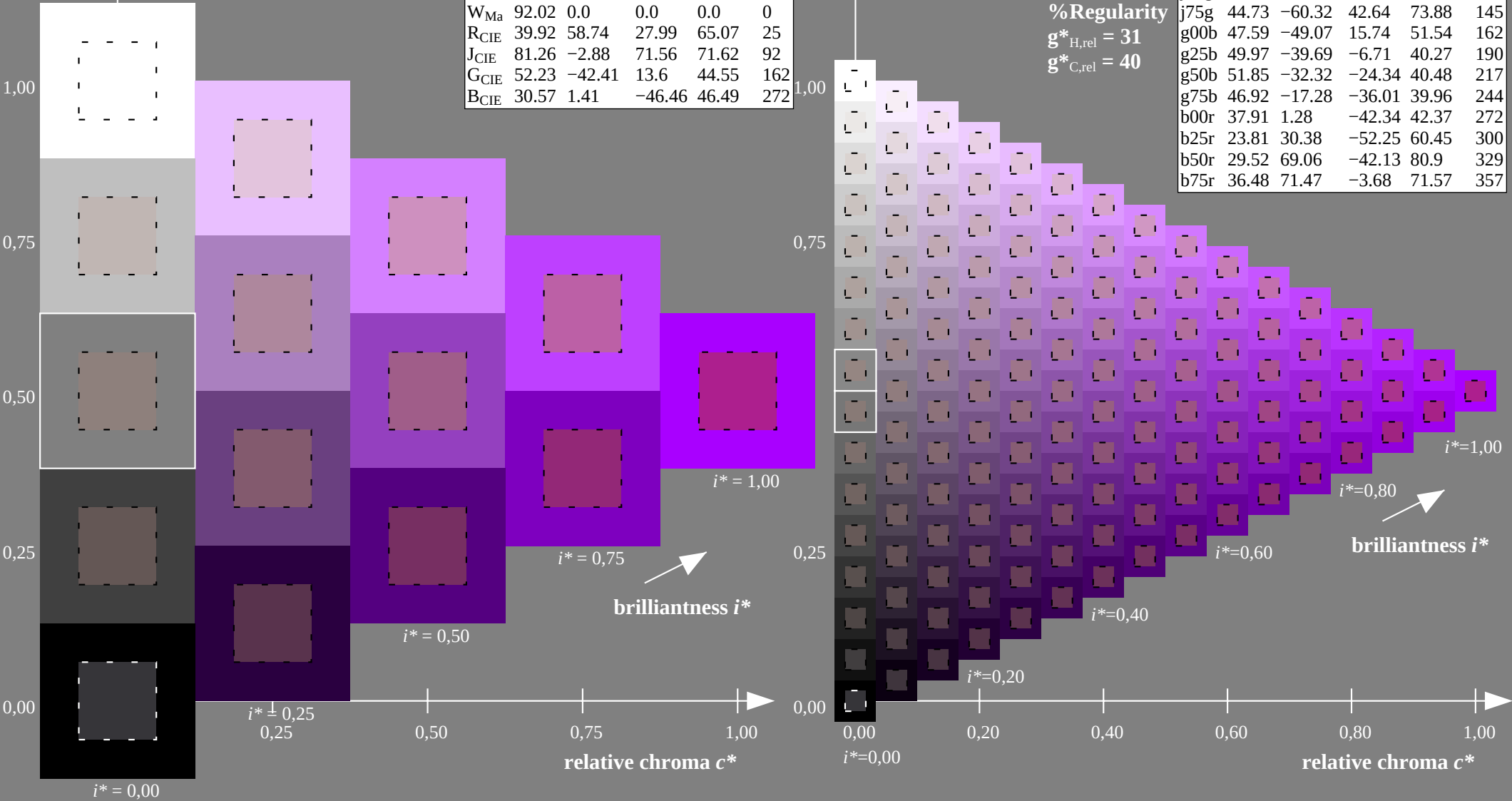


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 30 69 -41  
 $LAB^*LCH^*_{Ma}$ : 30 81 329  
 $lab^*rgb^*_{Ma}$ : 1.0 0.0 1.0  
 $lab^*olv^*_{Ma}$ : 0.66 0.0 1.0

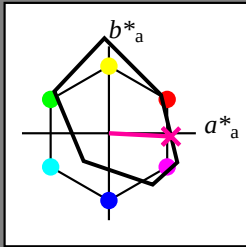
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b75r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

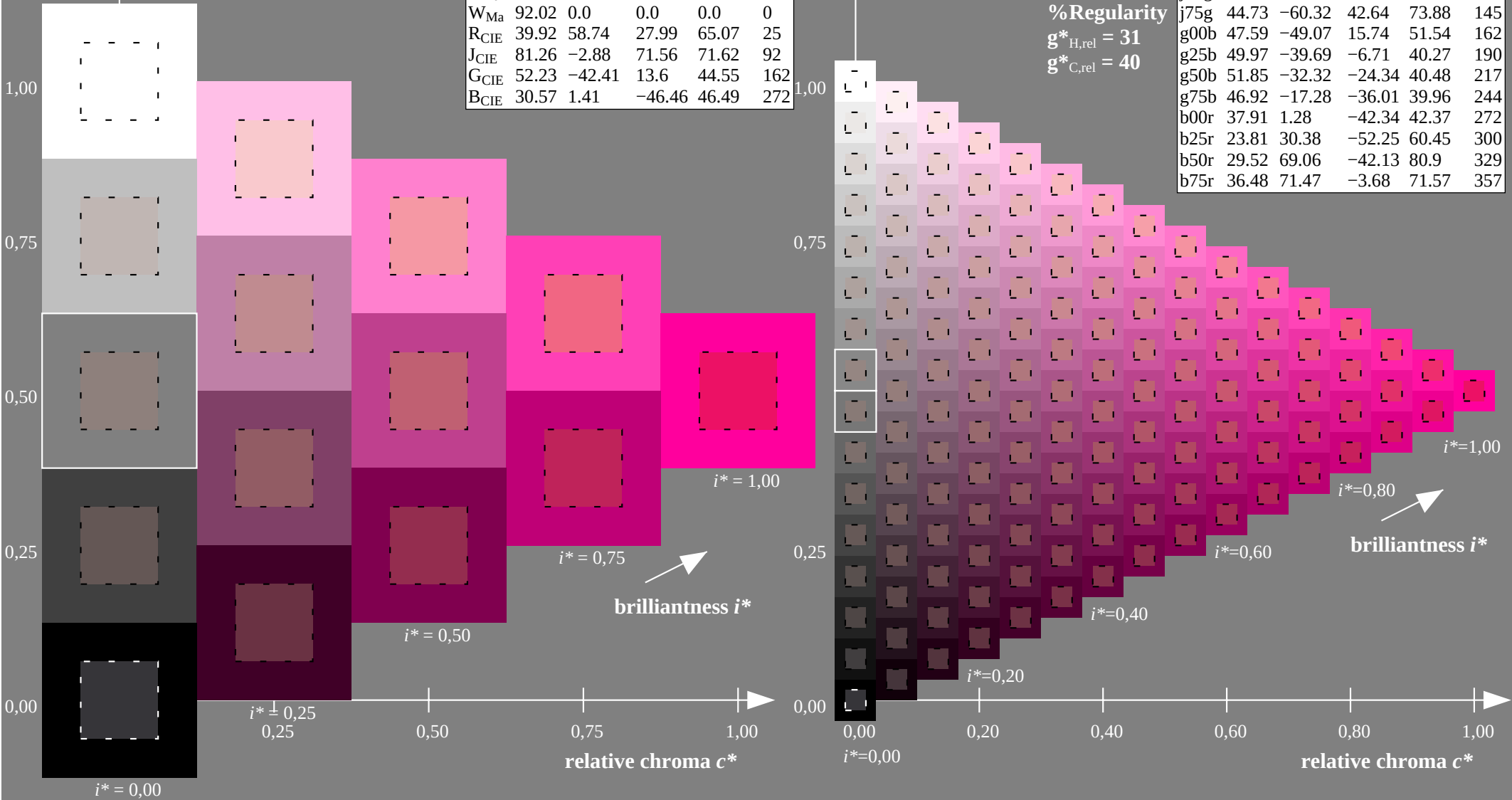


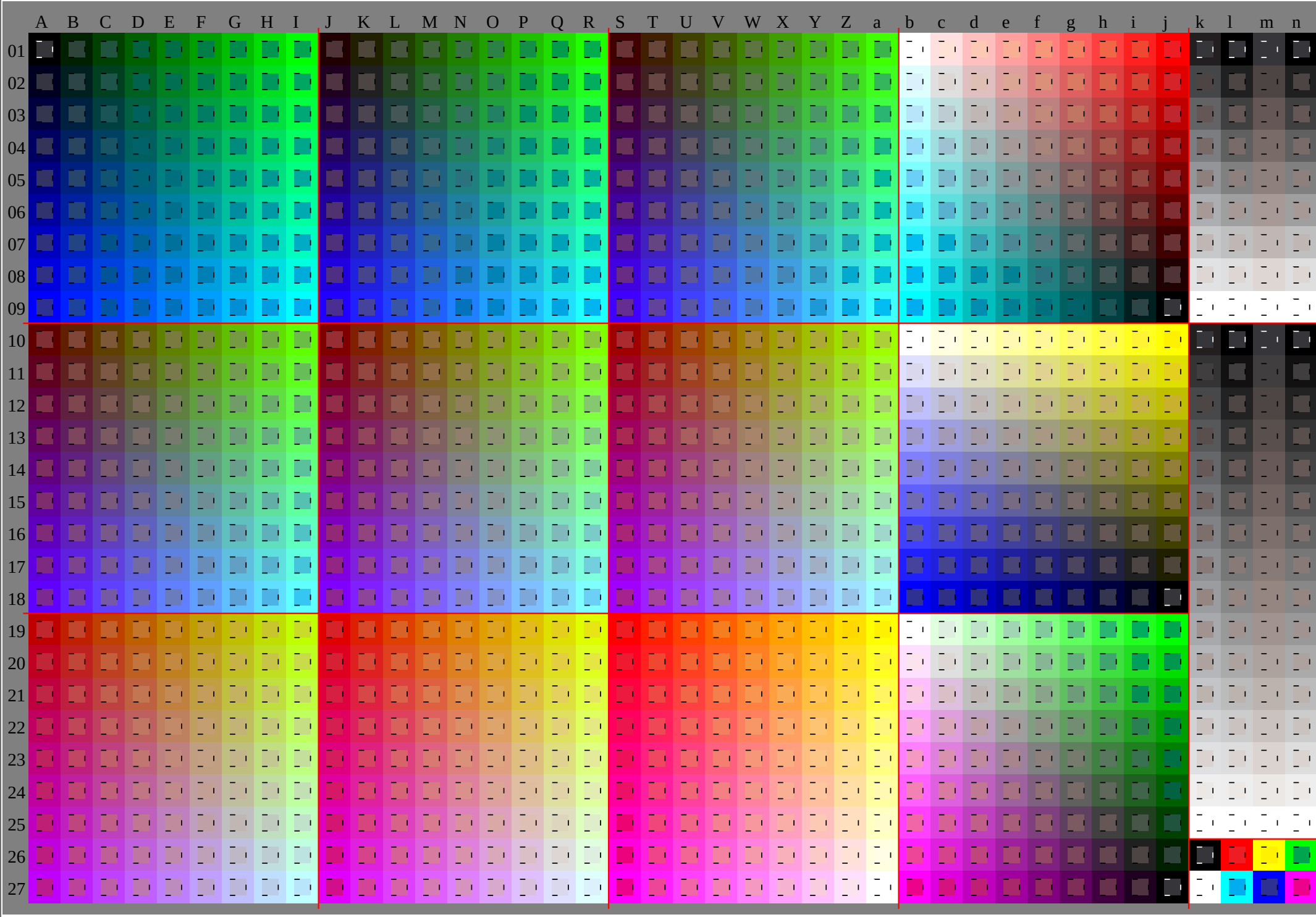
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 36 71 -3  
 $LAB^*LCH^*_{Ma}$ : 36 72 357  
 $lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5  
 $lab^*olv^*_{Ma}$ : 1.0 0.0 0.62

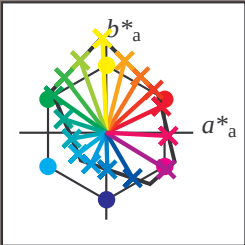
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





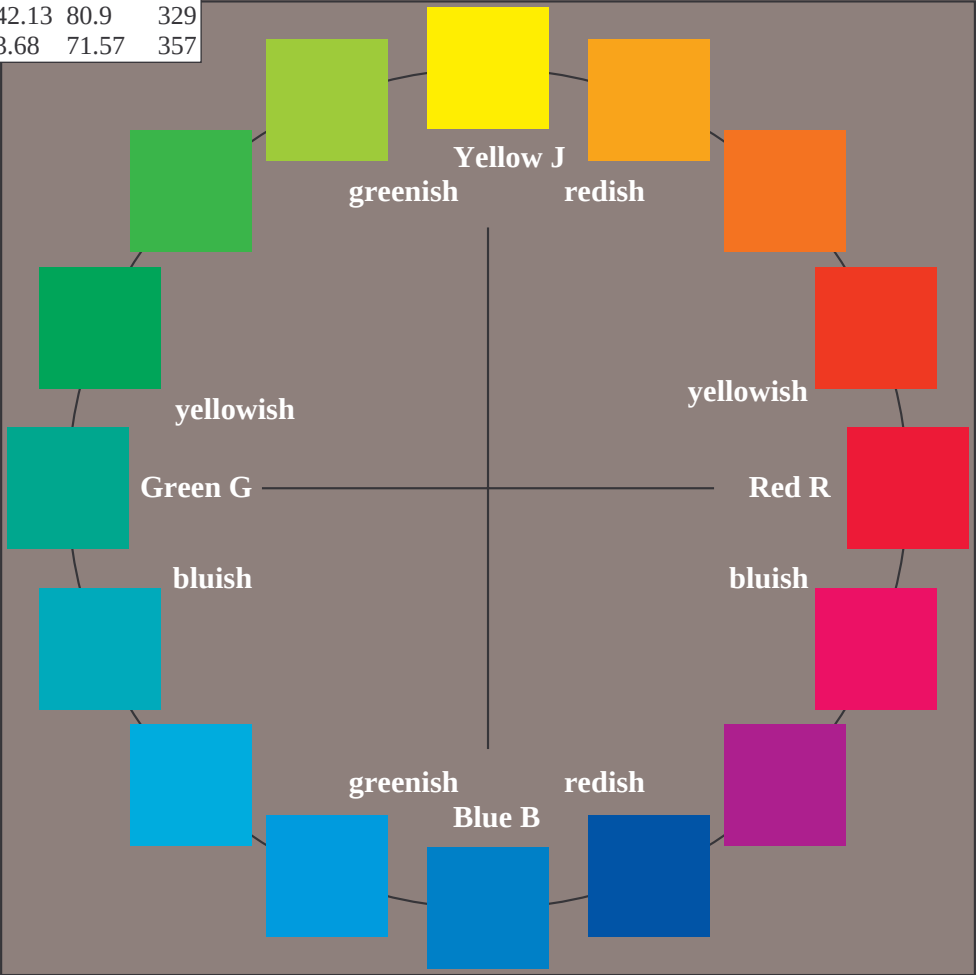
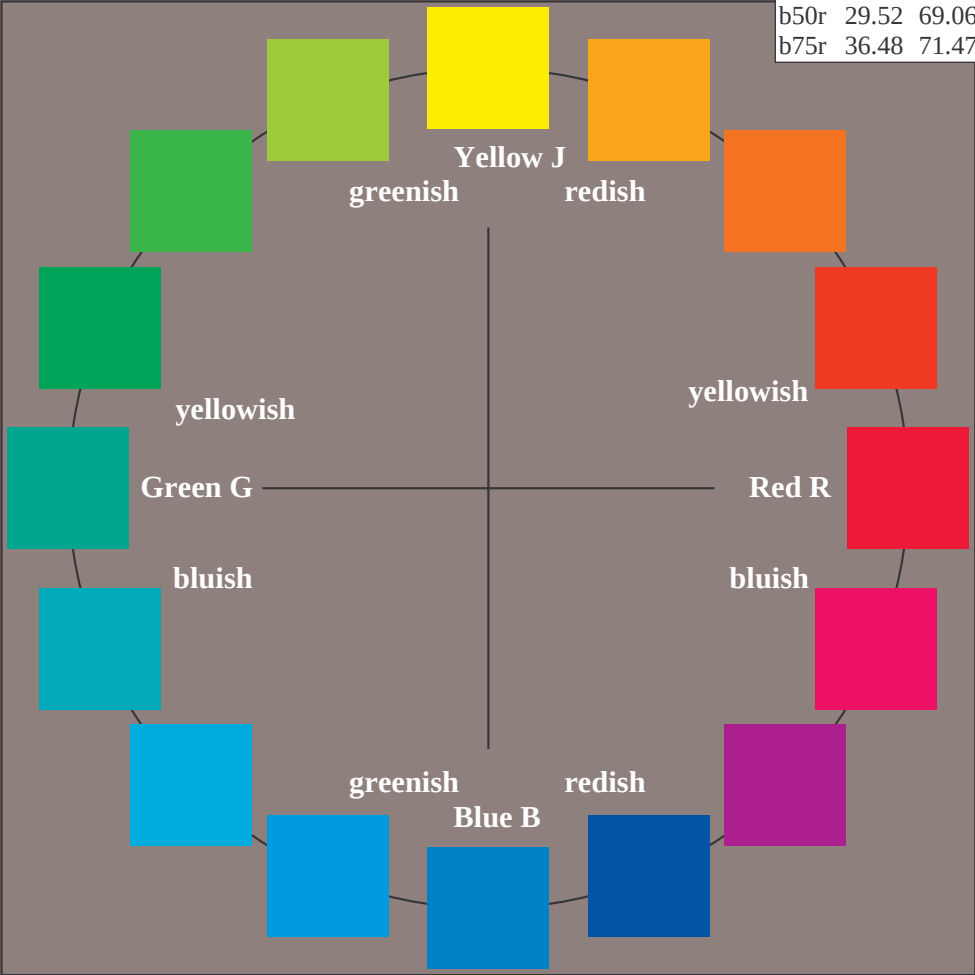
Input and output:  
Colorimetric Printer Reflective System FRS09\_92a  
data for any colour:  
*lab\*tch\* and lab\*icu\**  
elementary hue text:  
*u\* = 16 hues r00j, r25j, ..., b75r*  
contrast reduction factor:  
*c<sub>R</sub> = 1.0*

| FRS09_92a; adapted (a) CIELAB data |                            |                       |                       |                          |                          |
|------------------------------------|----------------------------|-----------------------|-----------------------|--------------------------|--------------------------|
|                                    | <i>L* = L*<sub>a</sub></i> | <i>a*<sub>a</sub></i> | <i>b*<sub>a</sub></i> | <i>C*<sub>ab,a</sub></i> | <i>h*<sub>ab,a</sub></i> |
| r00j                               | 35.47                      | 63.32                 | 30.17                 | 70.15                    | 25                       |
| r25j                               | 39.12                      | 54.56                 | 49.45                 | 73.64                    | 42                       |
| r50j                               | 50.64                      | 39.15                 | 64.89                 | 75.79                    | 59                       |
| r75j                               | 64.01                      | 21.26                 | 82.83                 | 85.52                    | 76                       |
| j00g                               | 83.18                      | -4.37                 | 108.53                | 108.62                   | 92                       |
| j25g                               | 66.73                      | -29.88                | 83.06                 | 88.28                    | 110                      |
| j50g                               | 54.03                      | -48.3                 | 63.49                 | 79.78                    | 127                      |
| j75g                               | 44.73                      | -60.32                | 42.64                 | 73.88                    | 145                      |
| g00b                               | 47.59                      | -49.07                | 15.74                 | 51.54                    | 162                      |
| g25b                               | 49.97                      | -39.69                | -6.71                 | 40.27                    | 190                      |
| g50b                               | 51.85                      | -32.32                | -24.34                | 40.48                    | 217                      |
| g75b                               | 46.92                      | -17.28                | -36.01                | 39.96                    | 244                      |
| b00r                               | 37.91                      | 1.28                  | -42.34                | 42.37                    | 272                      |
| b25r                               | 23.81                      | 30.38                 | -52.25                | 60.45                    | 300                      |
| b50r                               | 29.52                      | 69.06                 | -42.13                | 80.9                     | 329                      |
| b75r                               | 36.48                      | 71.47                 | -3.68                 | 71.57                    | 357                      |



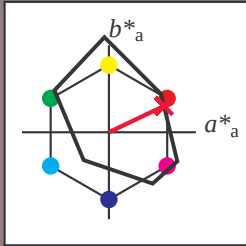
%Gamut  
*u\*<sub>rel</sub> = 109*  
%Regularity  
*g\*<sub>H,rel</sub> = 31*  
*g\*<sub>C,rel</sub> = 40*

| FRS09_92a; adapted (a) CIELAB data |                            |                       |                       |                          |                          |
|------------------------------------|----------------------------|-----------------------|-----------------------|--------------------------|--------------------------|
|                                    | <i>L* = L*<sub>a</sub></i> | <i>a*<sub>a</sub></i> | <i>b*<sub>a</sub></i> | <i>C*<sub>ab,a</sub></i> | <i>h*<sub>ab,a</sub></i> |
| O <sub>Ma</sub>                    | 35.06                      | 60.0                  | 44.0                  | 74.4                     | 36                       |
| Y <sub>Ma</sub>                    | 83.77                      | -5.16                 | 109.32                | 109.44                   | 93                       |
| L <sub>Ma</sub>                    | 44.13                      | -62.66                | 48.24                 | 79.09                    | 142                      |
| C <sub>Ma</sub>                    | 52.66                      | -29.13                | -31.98                | 43.27                    | 228                      |
| V <sub>Ma</sub>                    | 14.15                      | 50.3                  | -59.03                | 77.57                    | 310                      |
| M <sub>Ma</sub>                    | 37.37                      | 78.64                 | -33.49                | 85.48                    | 337                      |
| N <sub>Ma</sub>                    | 8.58                       | 0.0                   | 0.0                   | 0.0                      | 0                        |
| W <sub>Ma</sub>                    | 92.02                      | 0.0                   | 0.0                   | 0.0                      | 0                        |
| R <sub>CIE</sub>                   | 39.92                      | 58.74                 | 27.99                 | 65.07                    | 25                       |
| J <sub>CIE</sub>                   | 81.26                      | -2.88                 | 71.56                 | 71.62                    | 92                       |
| G <sub>CIE</sub>                   | 52.23                      | -42.41                | 13.6                  | 44.55                    | 162                      |
| B <sub>CIE</sub>                   | 30.57                      | 1.41                  | -46.46                | 46.49                    | 272                      |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r00j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

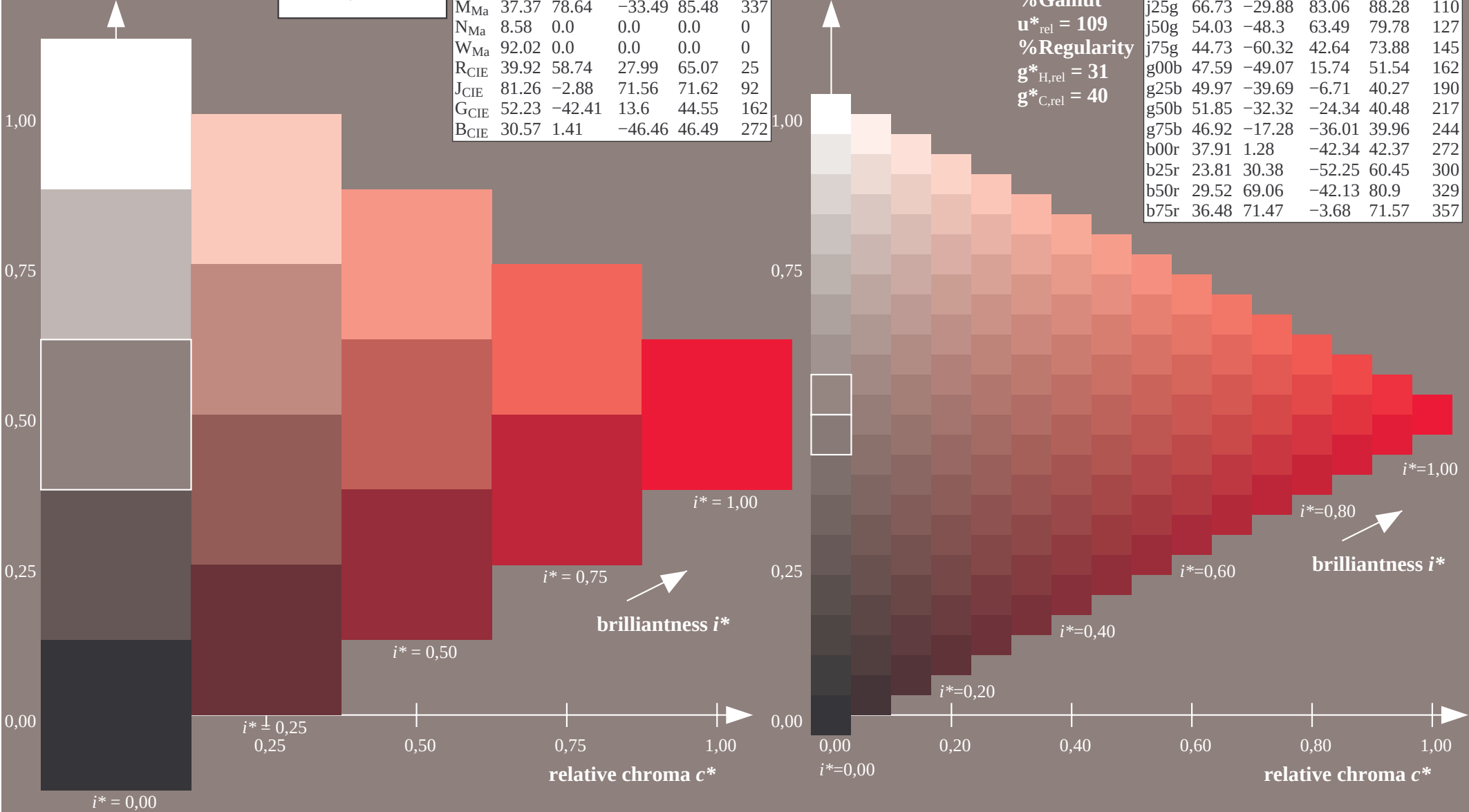


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

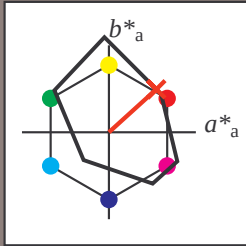
$LAB^*LAB^*Ma$ : 35 63 30  
 $LAB^*LCH^*Ma$ : 35 70 25  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.0 0.18

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r25j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

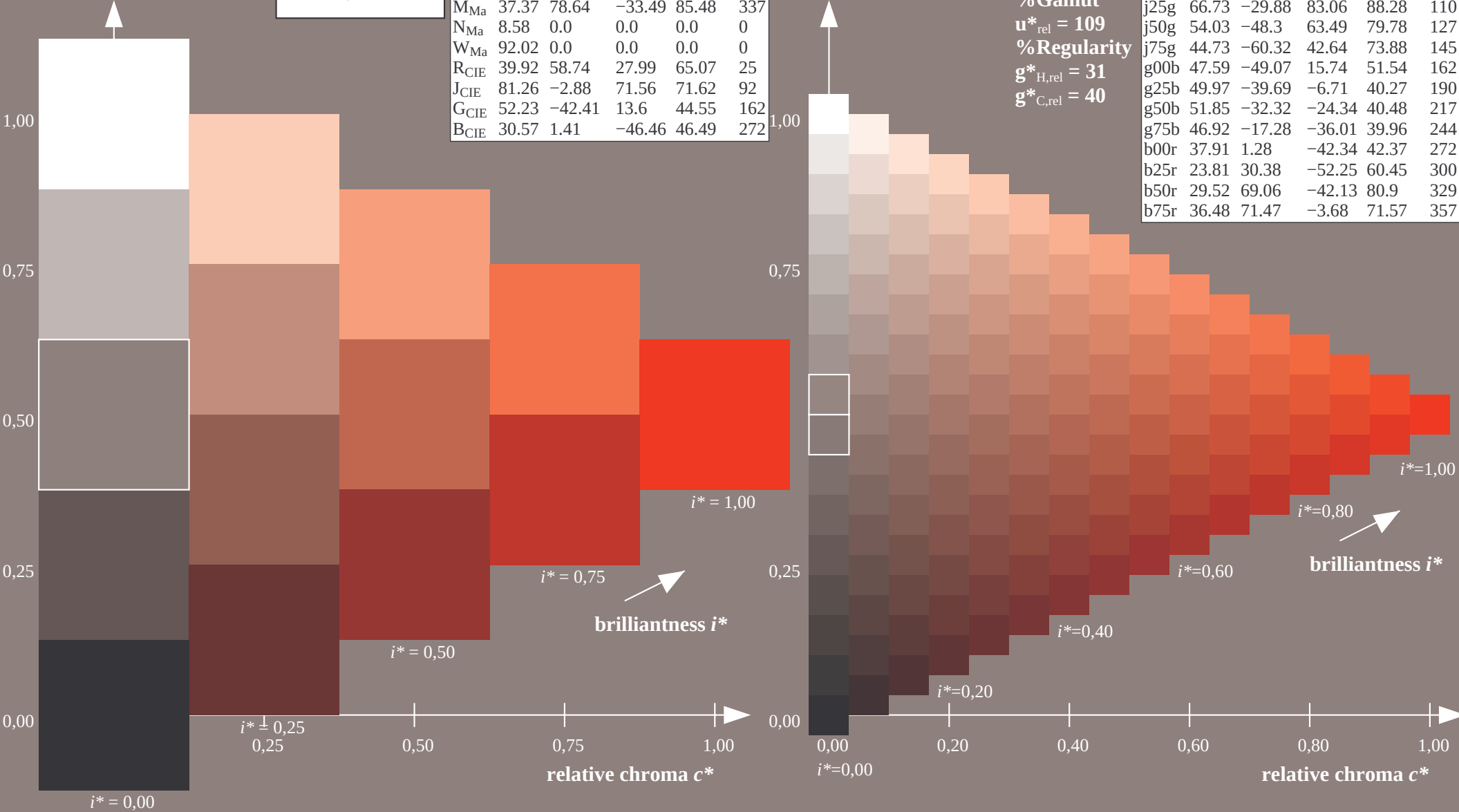


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

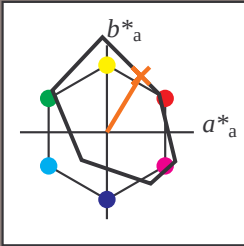
$LAB^*LAB^*Ma$ : 39 55 49  
 $LAB^*LCH^*Ma$ : 39 74 42  
 $lab^*rgb^*Ma$ : 1.0 0.25 0.0  
 $lab^*olv^*Ma$ : 1.0 0.08 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r50j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

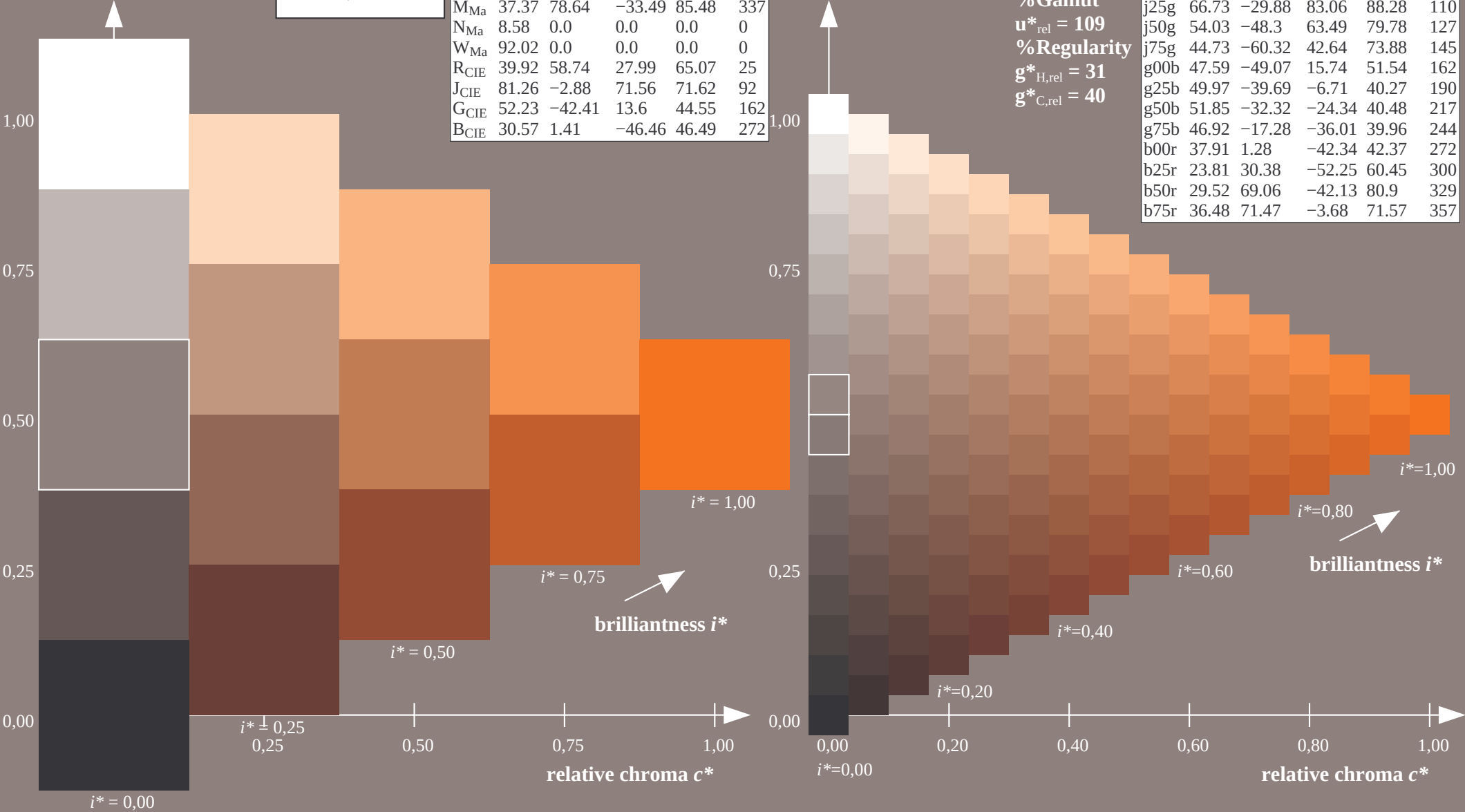


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 51 39 65  
 $LAB^*LCH^*Ma$ : 51 76 59  
 $lab^*rgb^*Ma$ : 1.0 0.5 0.0  
 $lab^*olv^*Ma$ : 1.0 0.32 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



**data for any colour:**

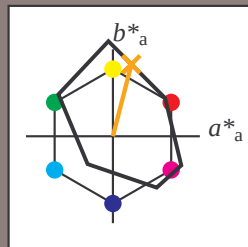
elementary hue text:

$$u^* = r75j$$

**contrast reduction factor:**

$$c_p = 1.0$$

triangle lightness  $t^*$


$$L^* = L^*_a \quad a^*_a \quad b^*_a \quad C^*_{ab,a} \quad h^*_{ab,a}$$

|                  |       |        |        |        |     |
|------------------|-------|--------|--------|--------|-----|
| O <sub>Ma</sub>  | 35.06 | 60.0   | 44.0   | 74.4   | 36  |
| Y <sub>Ma</sub>  | 83.77 | -5.16  | 109.32 | 109.44 | 93  |
| L <sub>Ma</sub>  | 44.13 | -62.66 | 48.24  | 79.09  | 142 |
| C <sub>Ma</sub>  | 52.66 | -29.13 | -31.98 | 43.27  | 228 |
| V <sub>Ma</sub>  | 14.15 | 50.3   | -59.03 | 77.57  | 310 |
| M <sub>Ma</sub>  | 37.37 | 78.64  | -33.49 | 85.48  | 337 |
| N <sub>Ma</sub>  | 8.58  | 0.0    | 0.0    | 0.0    | 0   |
| W <sub>Ma</sub>  | 92.02 | 0.0    | 0.0    | 0.0    | 0   |
| R <sub>CIE</sub> | 39.92 | 58.74  | 27.99  | 65.07  | 25  |
| J <sub>CIE</sub> | 81.26 | -2.88  | 71.56  | 71.62  | 92  |
| G <sub>CIE</sub> | 52.23 | -42.41 | 13.6   | 44.55  | 162 |
| B <sub>CIE</sub> | 30.57 | 1.41   | -46.46 | 46.49  | 272 |

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

**LAB\*LAB\*<sub>Ma</sub>: 64 21 83**

**LAB\*LCH\*Ma: 64 86 76**

**lab\*rgb<sub>Ma</sub>: 1.0 0.75 0.0**

**lab\*olv\*Ma: 1.0 0.59 0.0**

triangle lightness  $t^*$

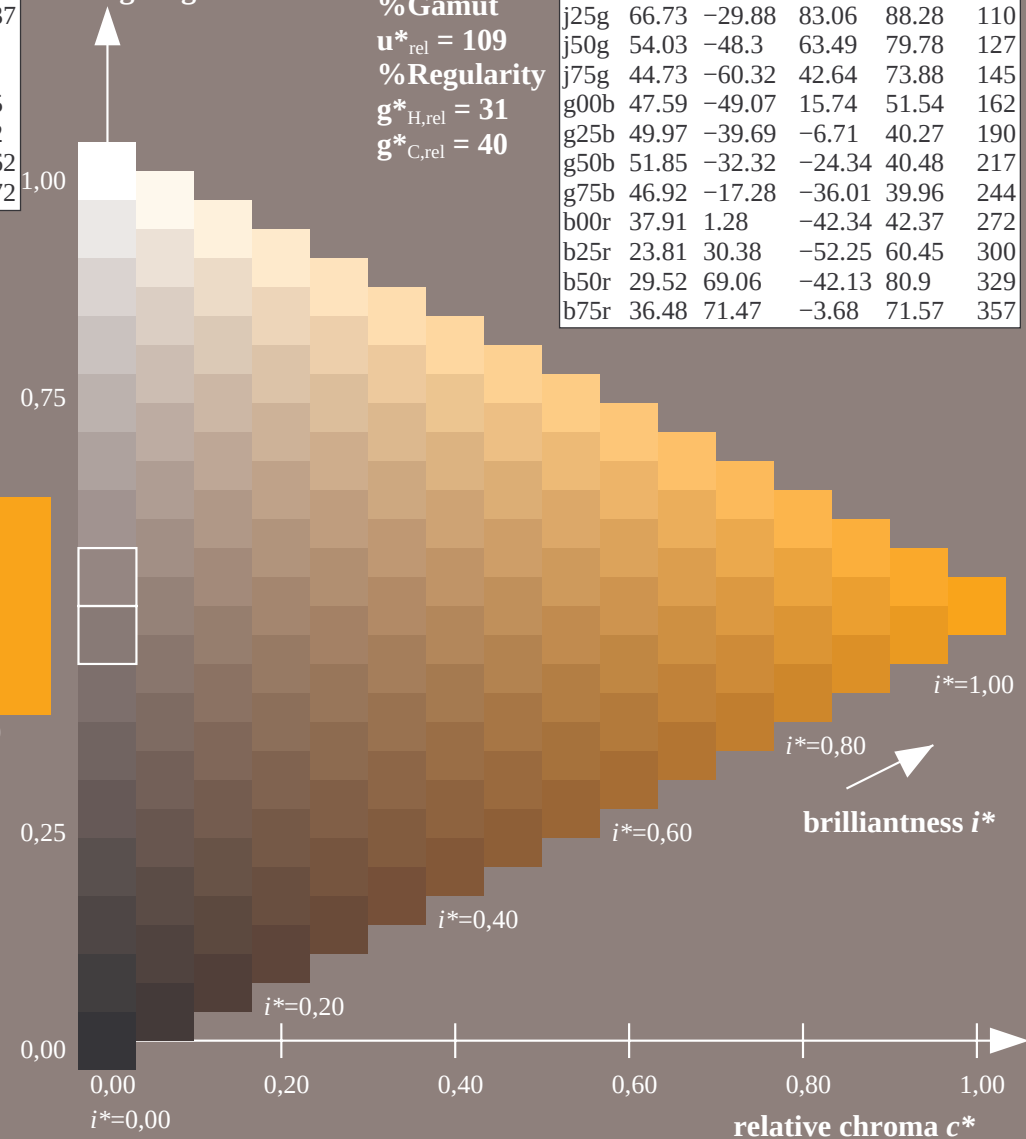
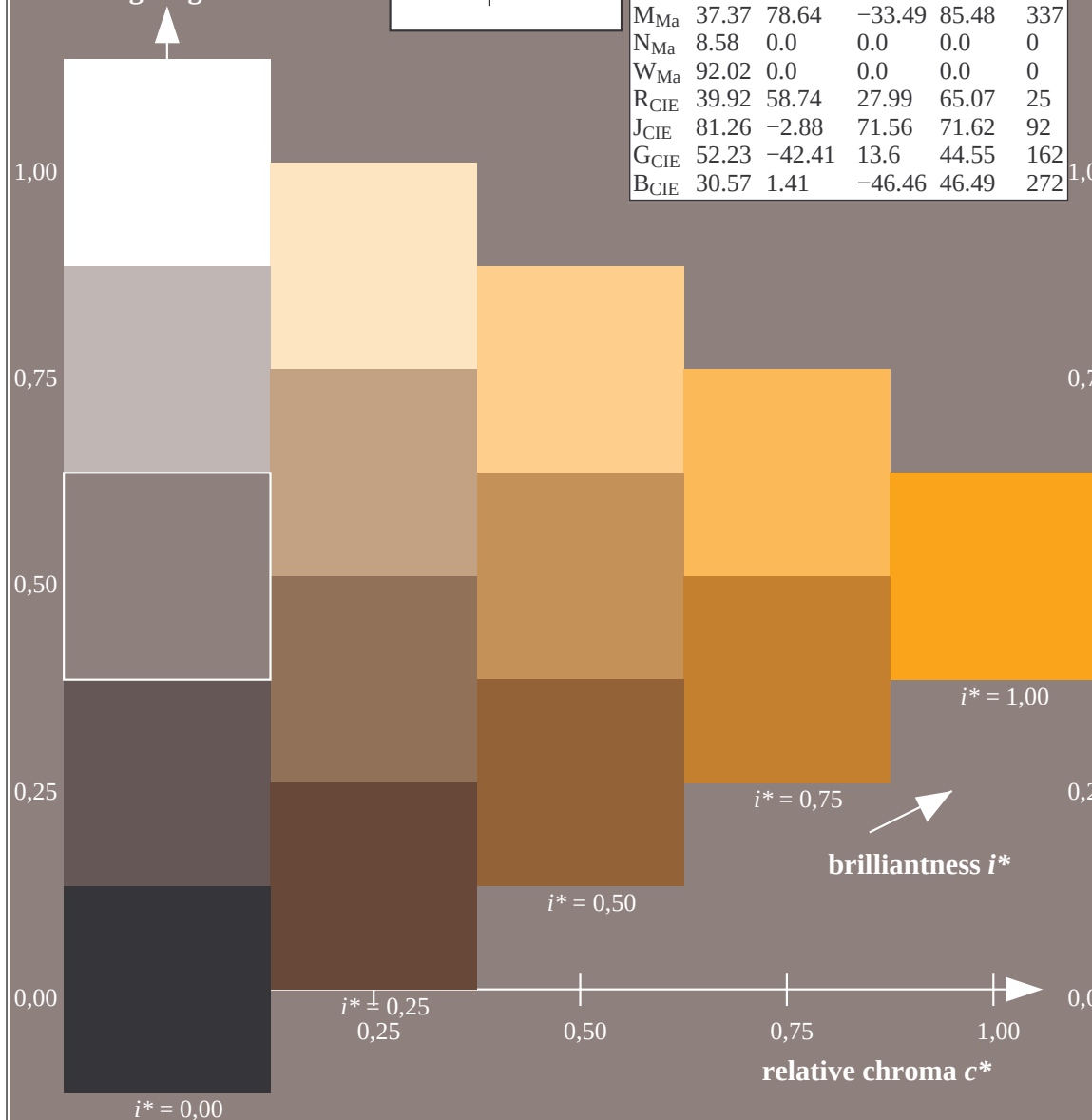
## %Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

## %Regularity

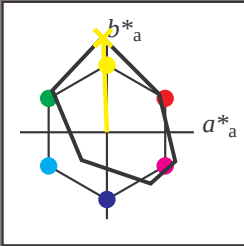
$$g_{H,rel}^* = 31$$
$$g^*_{C,rel} = 40$$
$$L^* = L^*_a \quad a^*_a \quad b^*_a \quad C^*_{ab,a} \quad h^*_{ab,a}$$

|      |       |        |        |        |     |
|------|-------|--------|--------|--------|-----|
| r00j | 35.47 | 63.32  | 30.17  | 70.15  | 25  |
| r25j | 39.12 | 54.56  | 49.45  | 73.64  | 42  |
| r50j | 50.64 | 39.15  | 64.89  | 75.79  | 59  |
| r75j | 64.01 | 21.26  | 82.83  | 85.52  | 76  |
| j00g | 83.18 | -4.37  | 108.53 | 108.62 | 92  |
| j25g | 66.73 | -29.88 | 83.06  | 88.28  | 110 |
| j50g | 54.03 | -48.3  | 63.49  | 79.78  | 127 |
| j75g | 44.73 | -60.32 | 42.64  | 73.88  | 145 |
| g00b | 47.59 | -49.07 | 15.74  | 51.54  | 162 |
| g25b | 49.97 | -39.69 | -6.71  | 40.27  | 190 |
| g50b | 51.85 | -32.32 | -24.34 | 40.48  | 217 |
| g75b | 46.92 | -17.28 | -36.01 | 39.96  | 244 |
| b00r | 37.91 | 1.28   | -42.34 | 42.37  | 272 |
| b25r | 23.81 | 30.38  | -52.25 | 60.45  | 300 |
| b50r | 29.52 | 69.06  | -42.13 | 80.9   | 329 |
| b75r | 36.48 | 71.47  | -3.68  | 71.57  | 357 |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j00g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

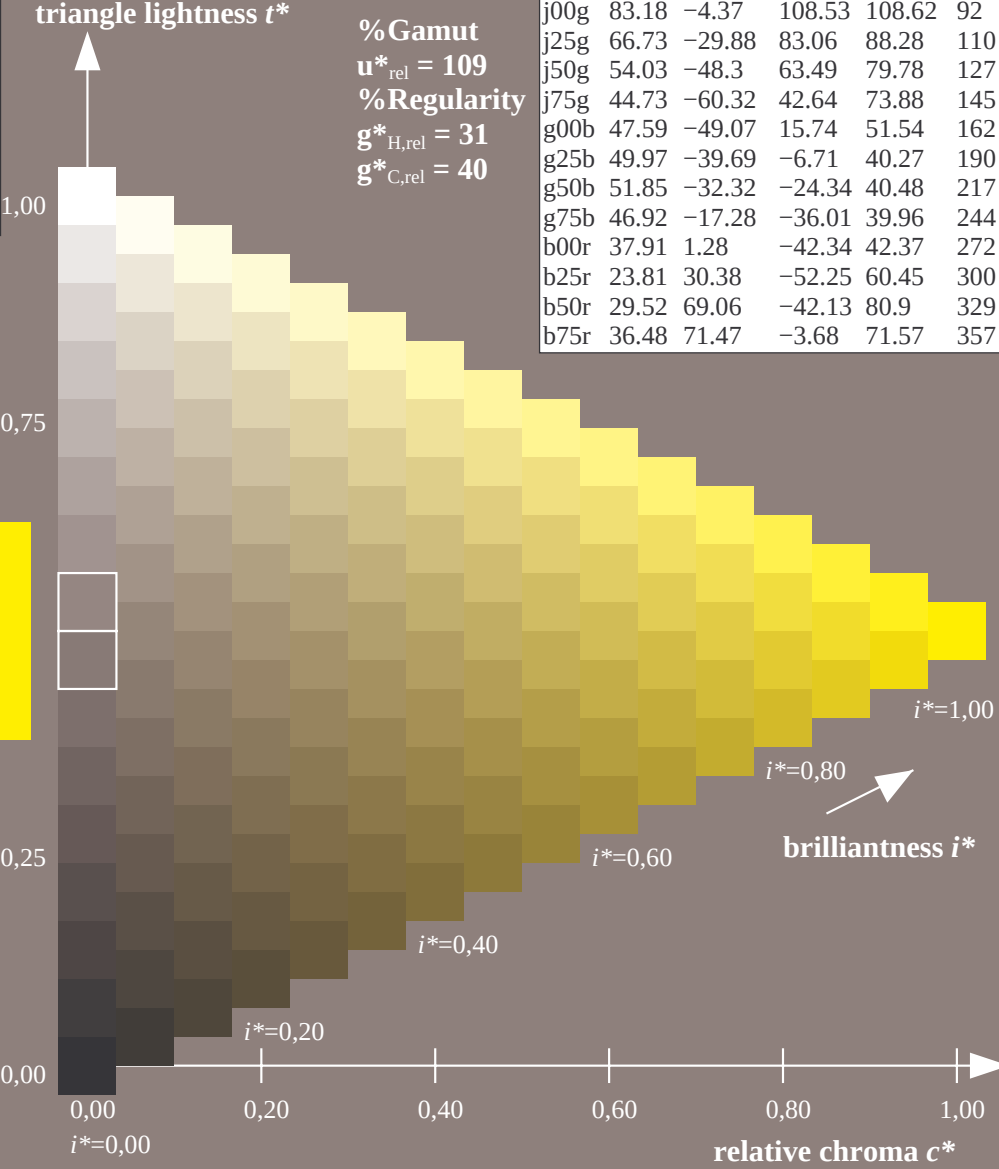
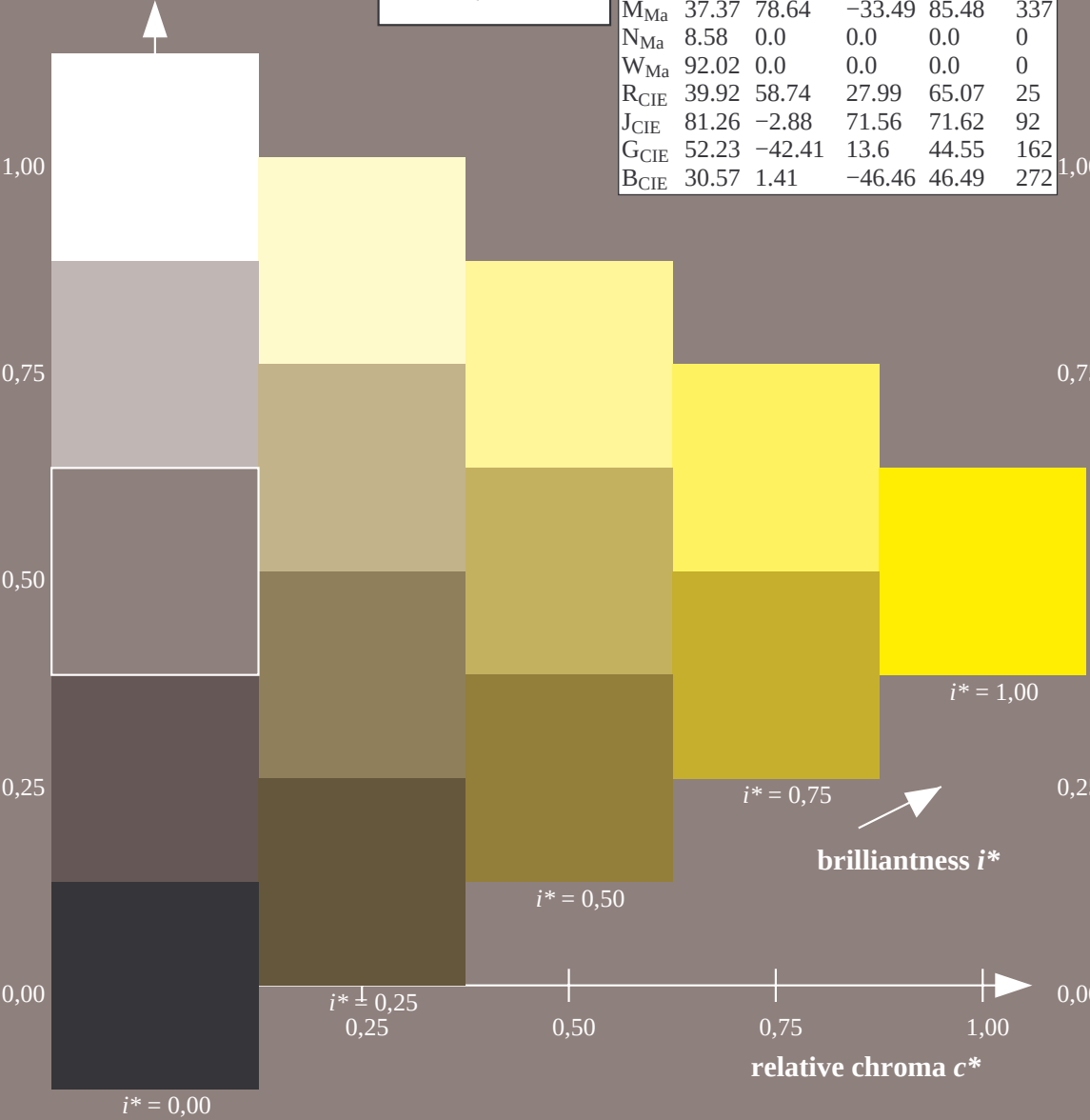


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 83 -3 109  
 $LAB^*LCH^*Ma$ : 83 109 92  
 $lab^*rgb^*Ma$ : 1.0 1.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.99 0.0

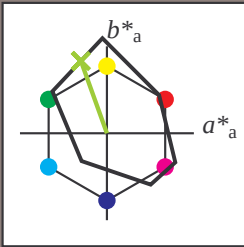
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j25g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

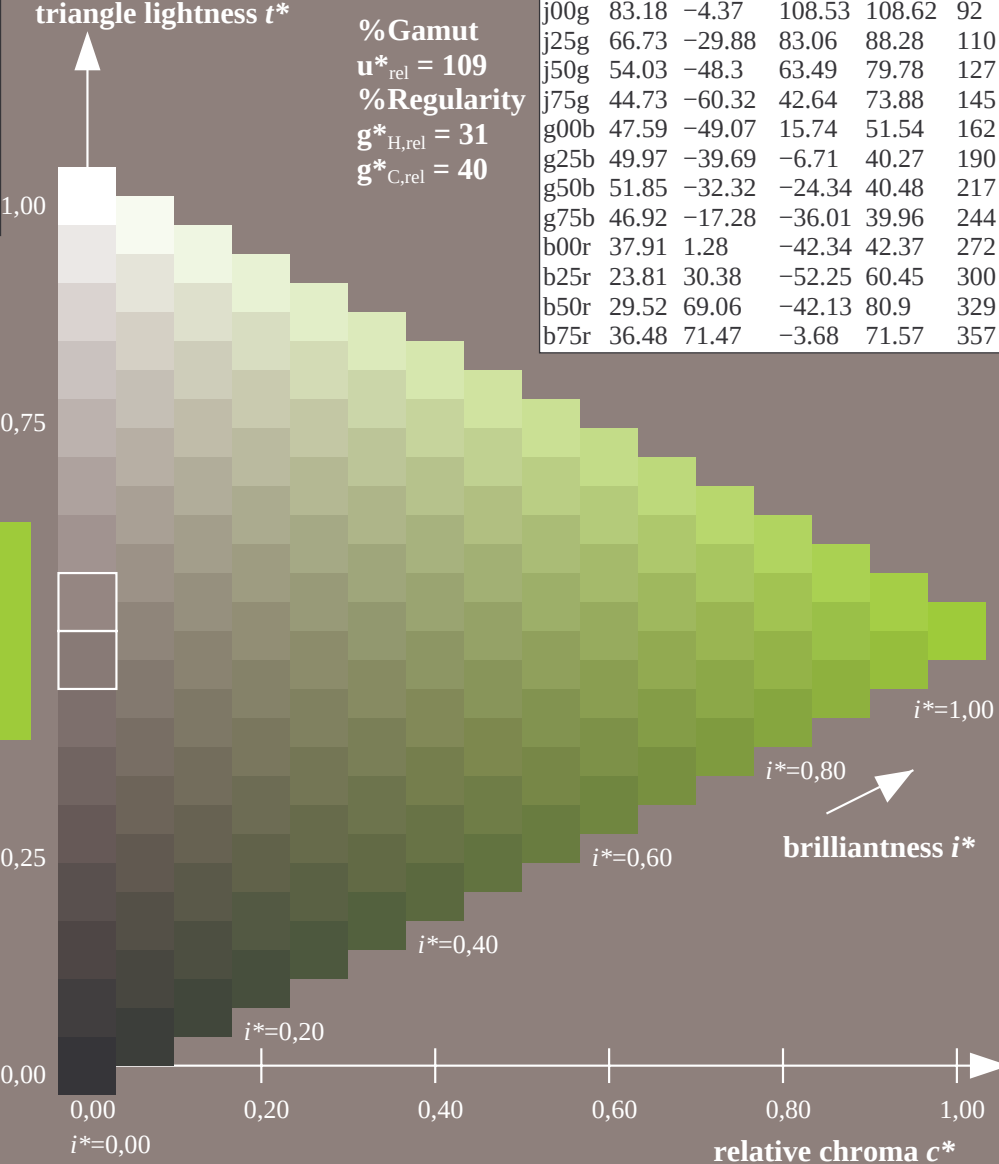
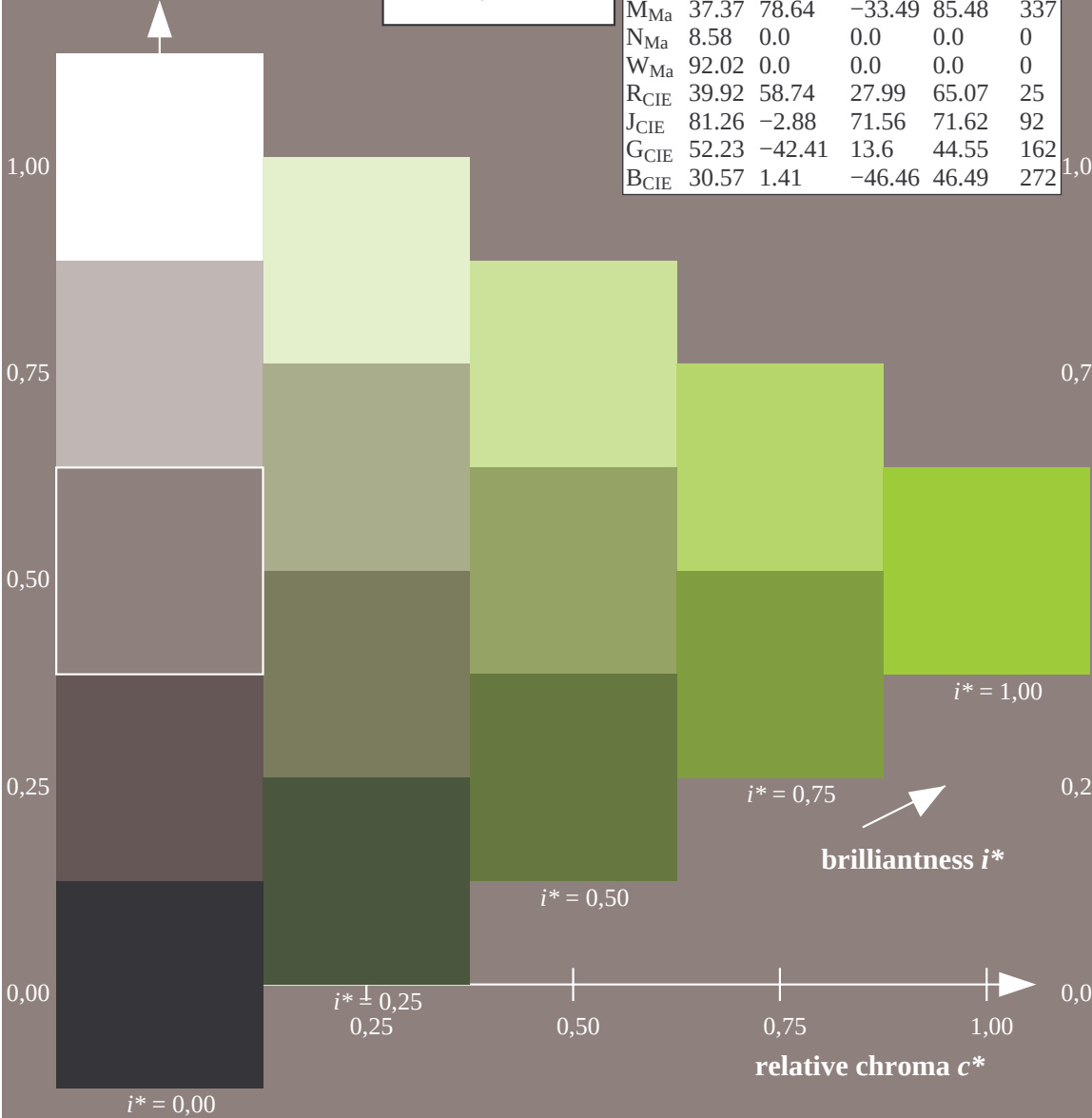


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

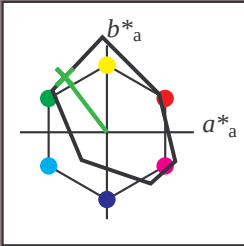
$LAB^*LAB^*Ma: 67 -29 83$   
 $LAB^*LCH^*Ma: 67 88 110$   
 $lab^*rgb^*Ma: 0.75 1.0 0.0$   
 $lab^*olv^*Ma: 0.57 1.0 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j50g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

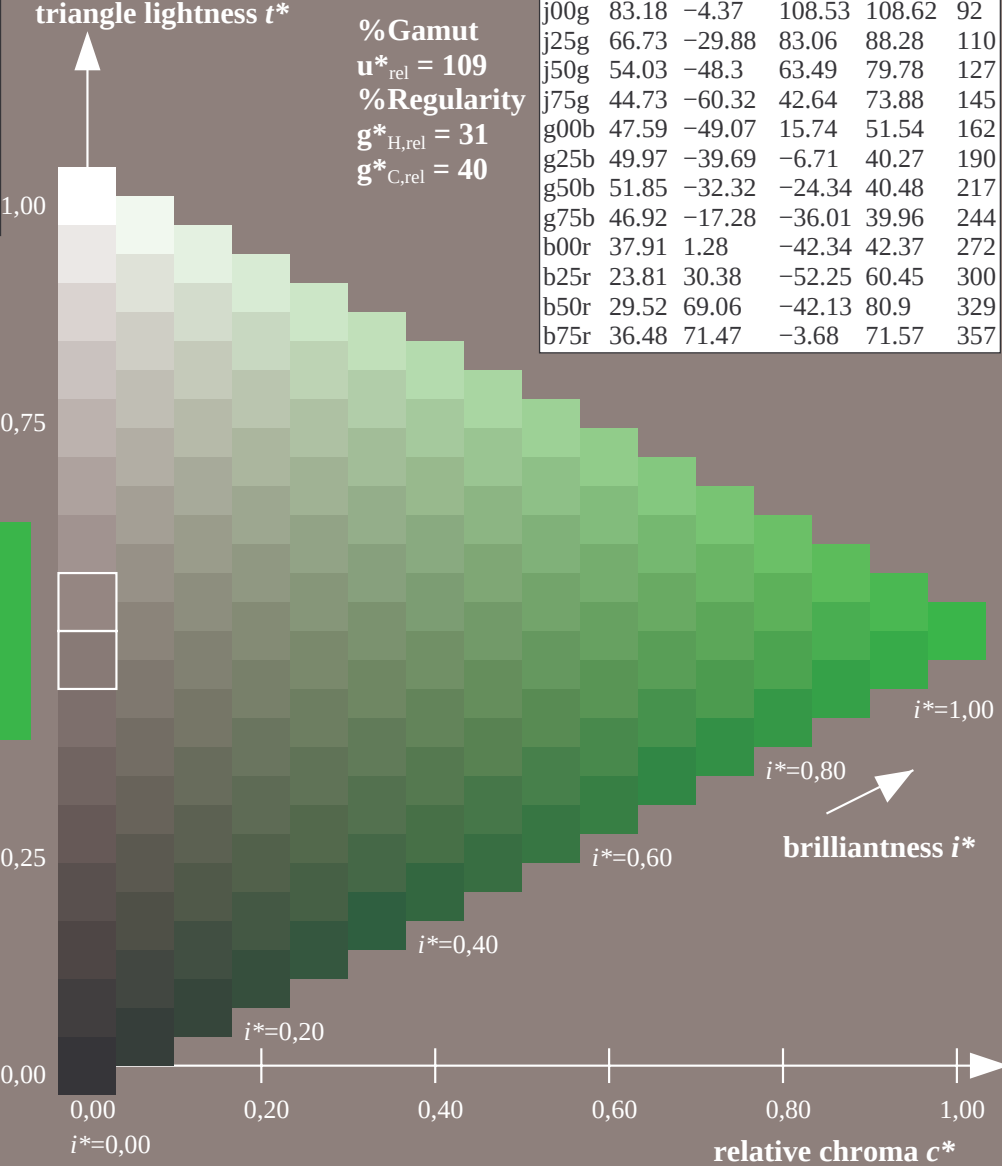
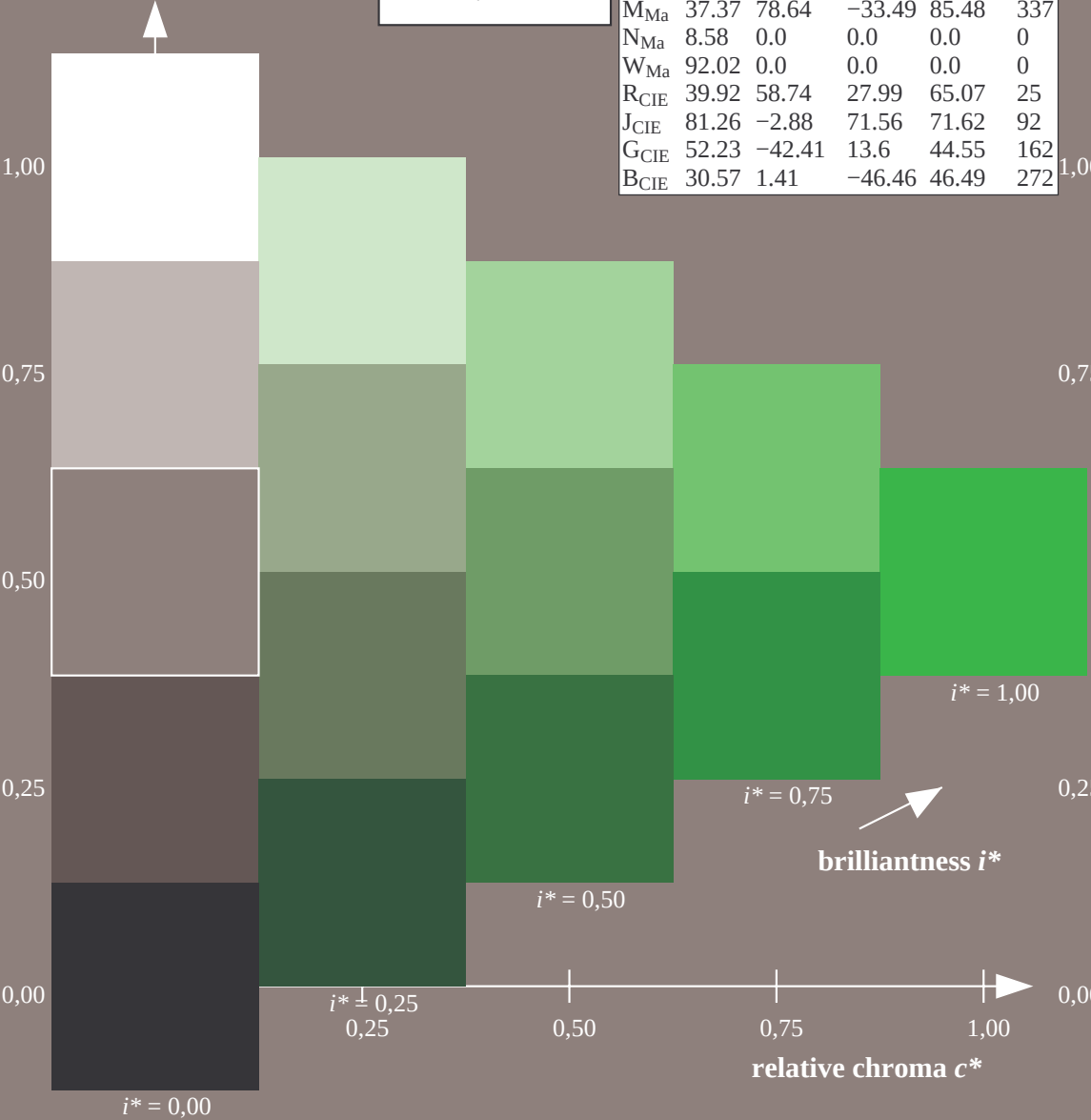


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

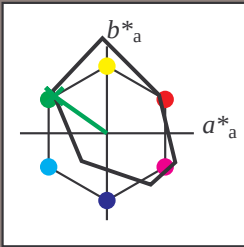
$LAB^*LAB^*Ma: 54 \text{ } -47 \text{ } 63$   
 $LAB^*LCH^*Ma: 54 \text{ } 80 \text{ } 127$   
 $lab^*rgb^*Ma: 0.5 \text{ } 1.0 \text{ } 0.0$   
 $lab^*olv^*Ma: 0.25 \text{ } 1.0 \text{ } 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j75g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

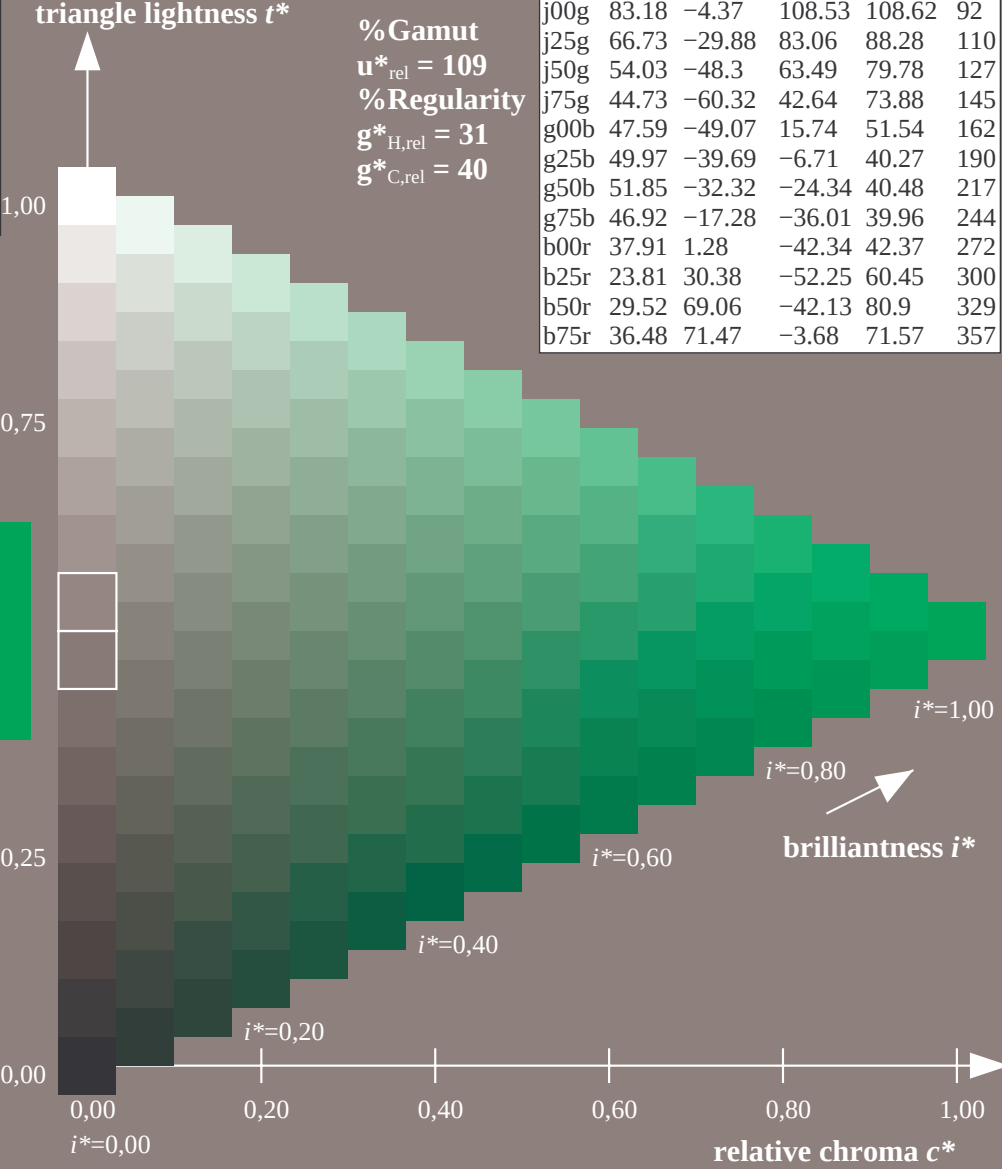
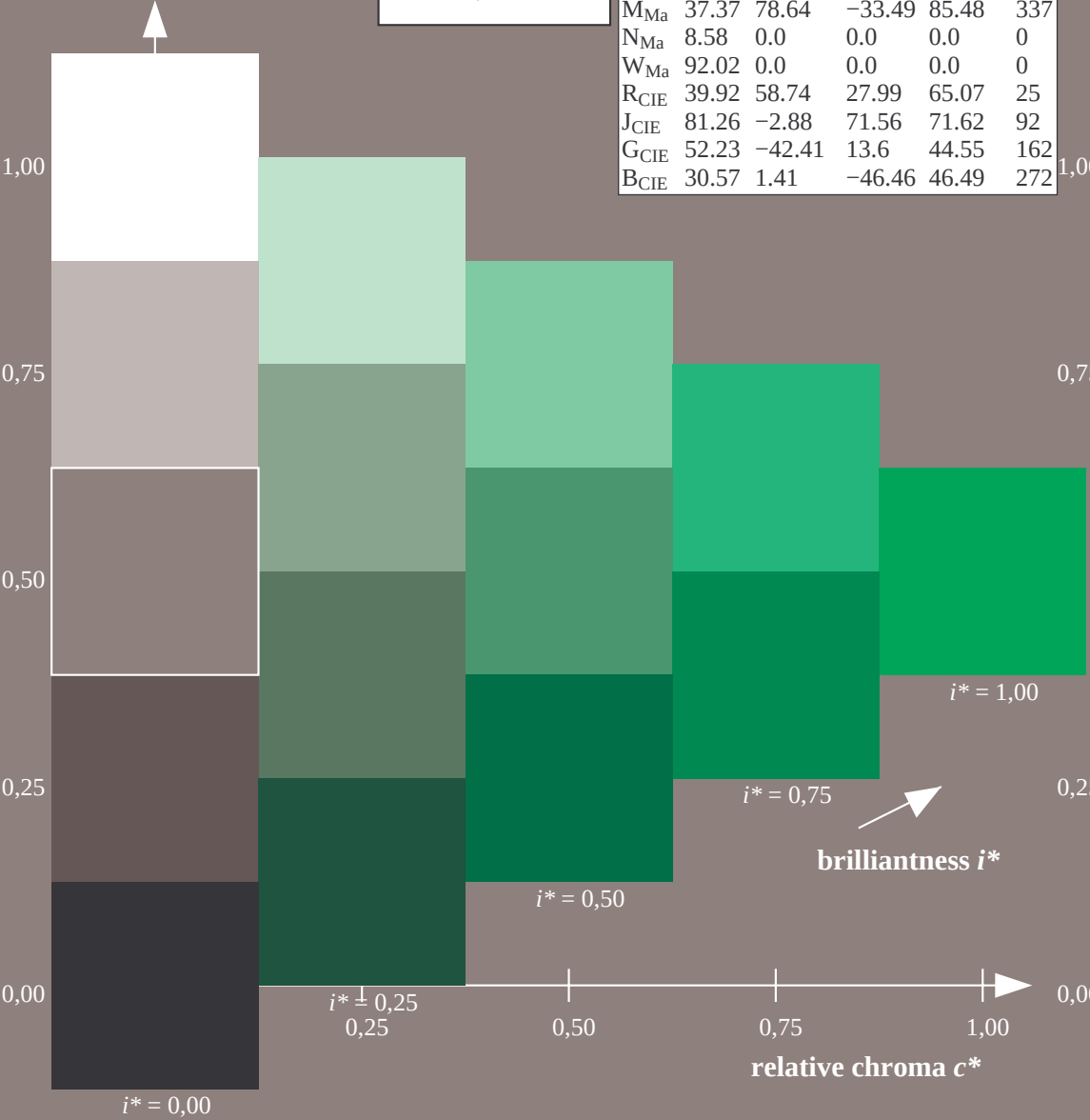


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

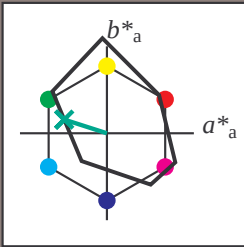
$LAB^*LAB^*Ma$ : 45 -59 43  
 $LAB^*LCH^*Ma$ : 45 74 145  
 $lab^*rgb^*Ma$ : 0.25 1.0 0.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.07

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g00b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

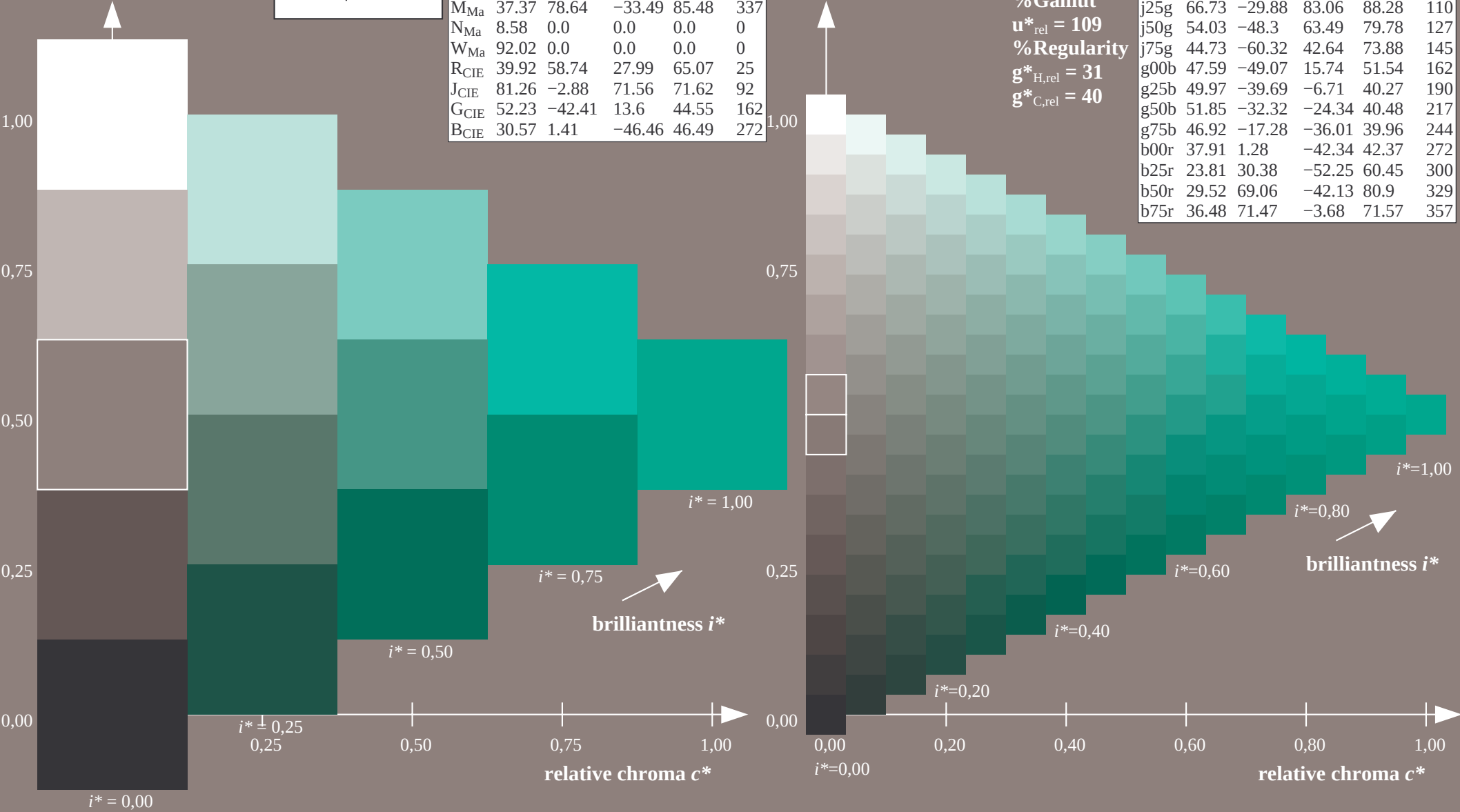


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

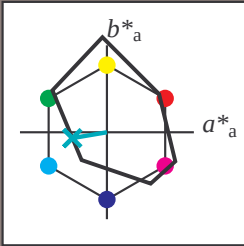
$LAB^*LAB^*Ma$ : 48 -48 16  
 $LAB^*LCH^*Ma$ : 48 52 162  
 $lab^*rgb^*Ma$ : 0.0 1.0 0.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.41

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g25b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

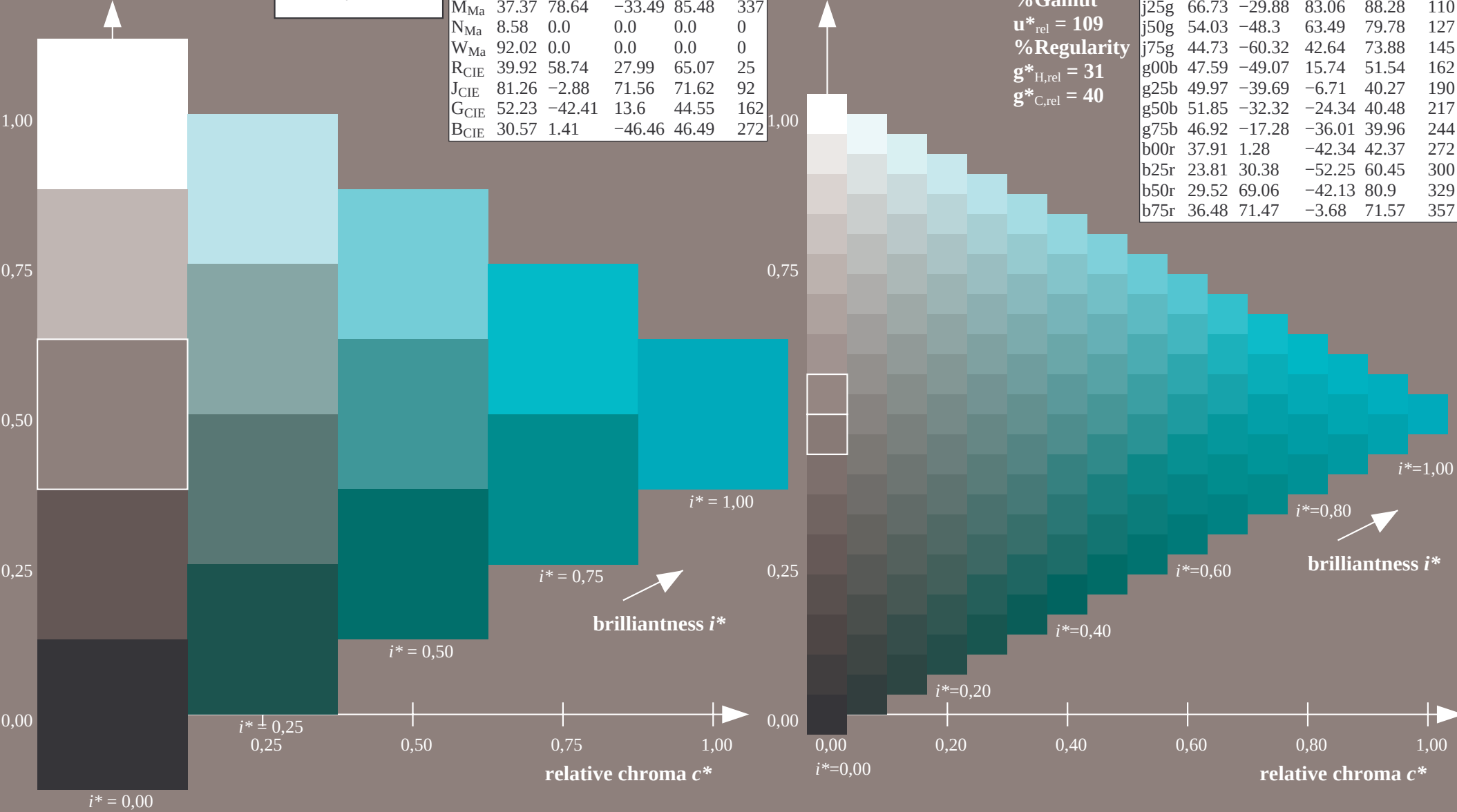


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

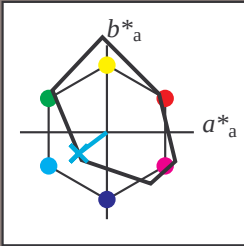
$LAB^*LAB^*Ma: 50 \ -39 \ -6$   
 $LAB^*LCH^*Ma: 50 \ 40 \ 190$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.5$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.69$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g50b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

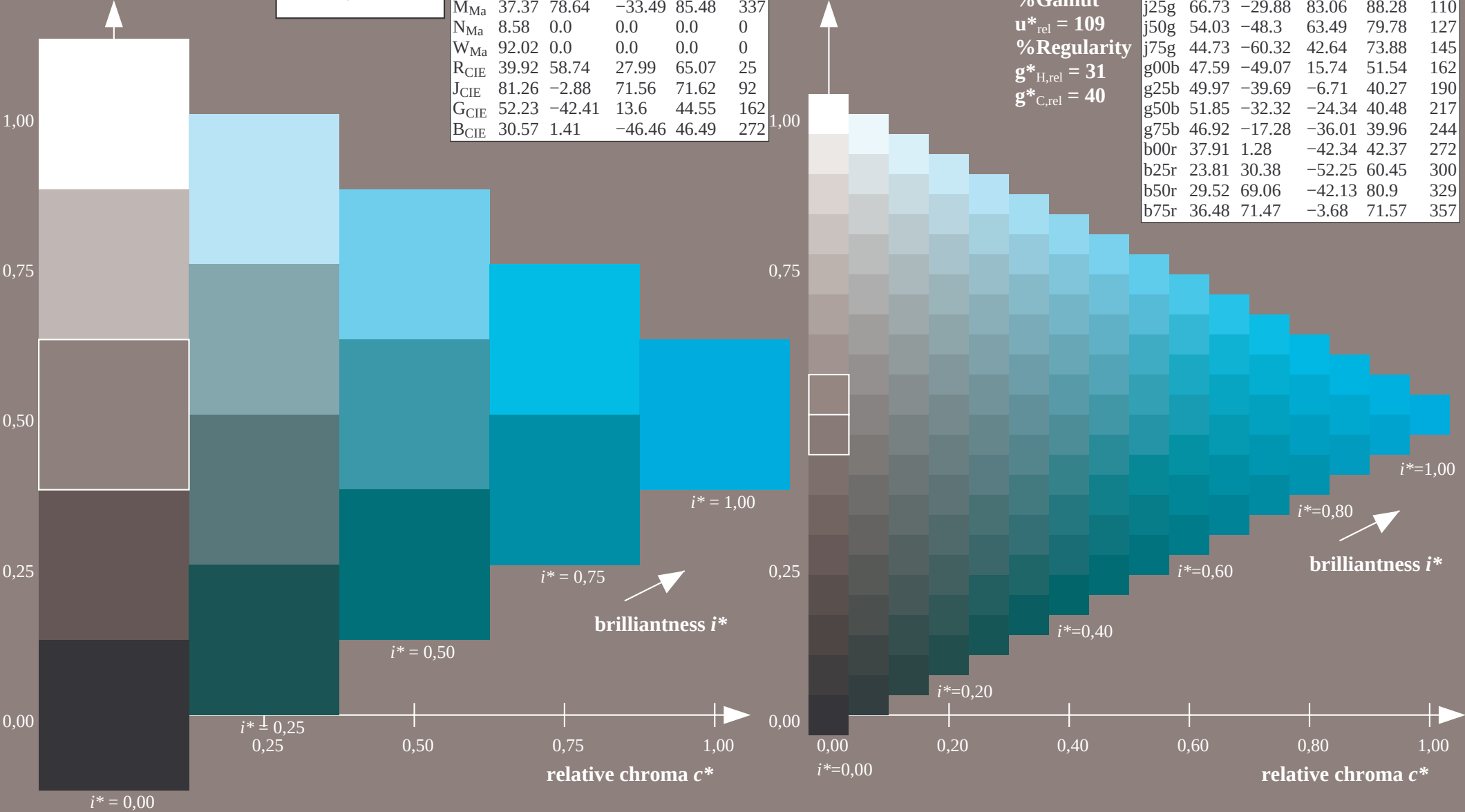


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

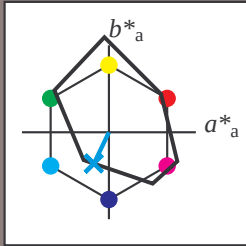
$LAB^*LAB^*Ma: 52 \ -31 \ -23$   
 $LAB^*LCH^*Ma: 52 \ 40 \ 217$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 1.0$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.9$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g75b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

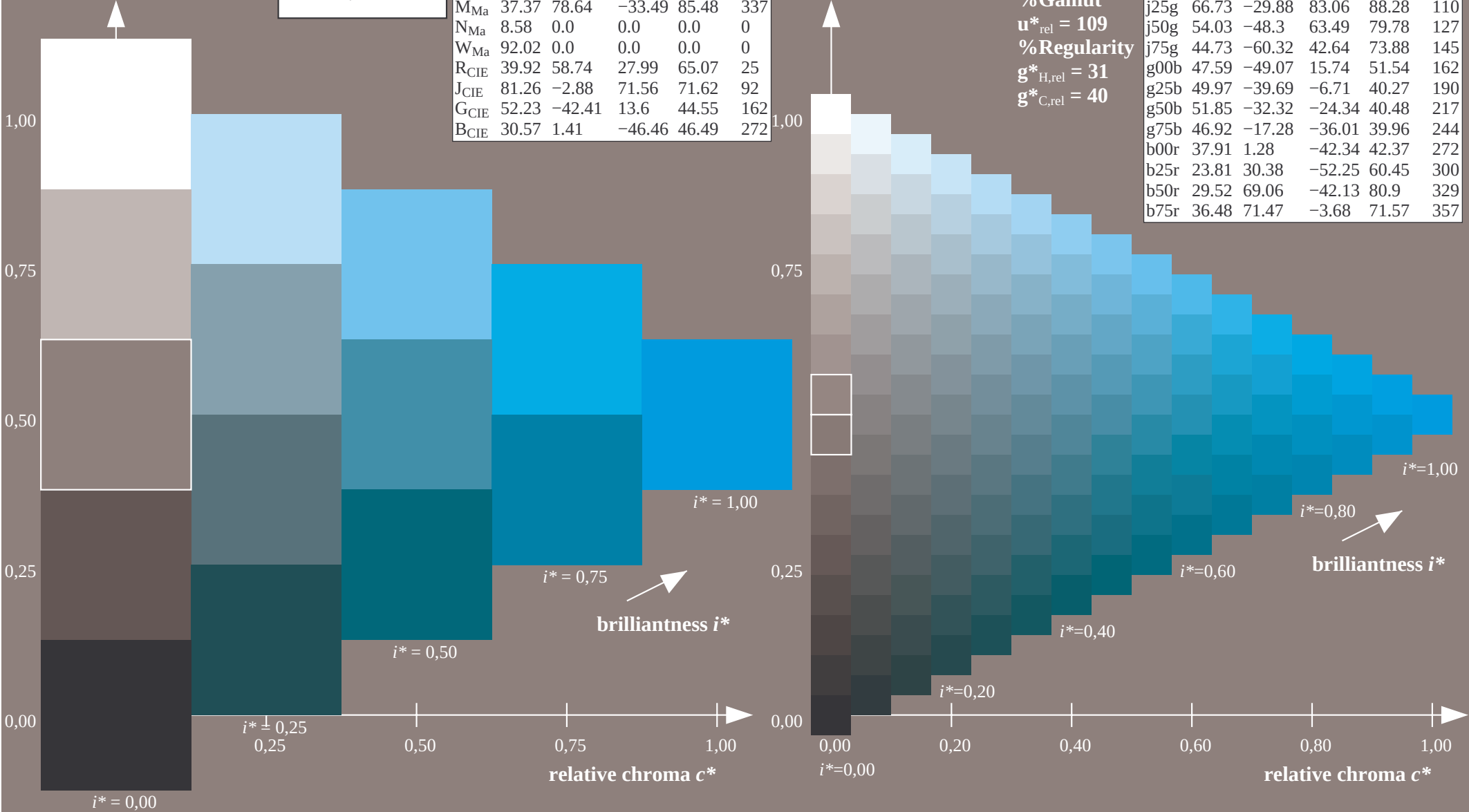


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

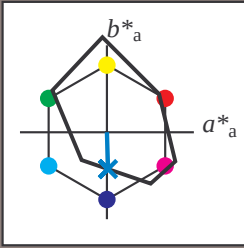
$LAB^*LAB^*Ma: 47 \ -16 \ -35$   
 $LAB^*LCH^*Ma: 47 \ 40 \ 244$   
 $lab^*rgb^*Ma: 0.0 \ 0.5 \ 1.0$   
 $lab^*olv^*Ma: 0.0 \ 0.85 \ 1.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b00r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

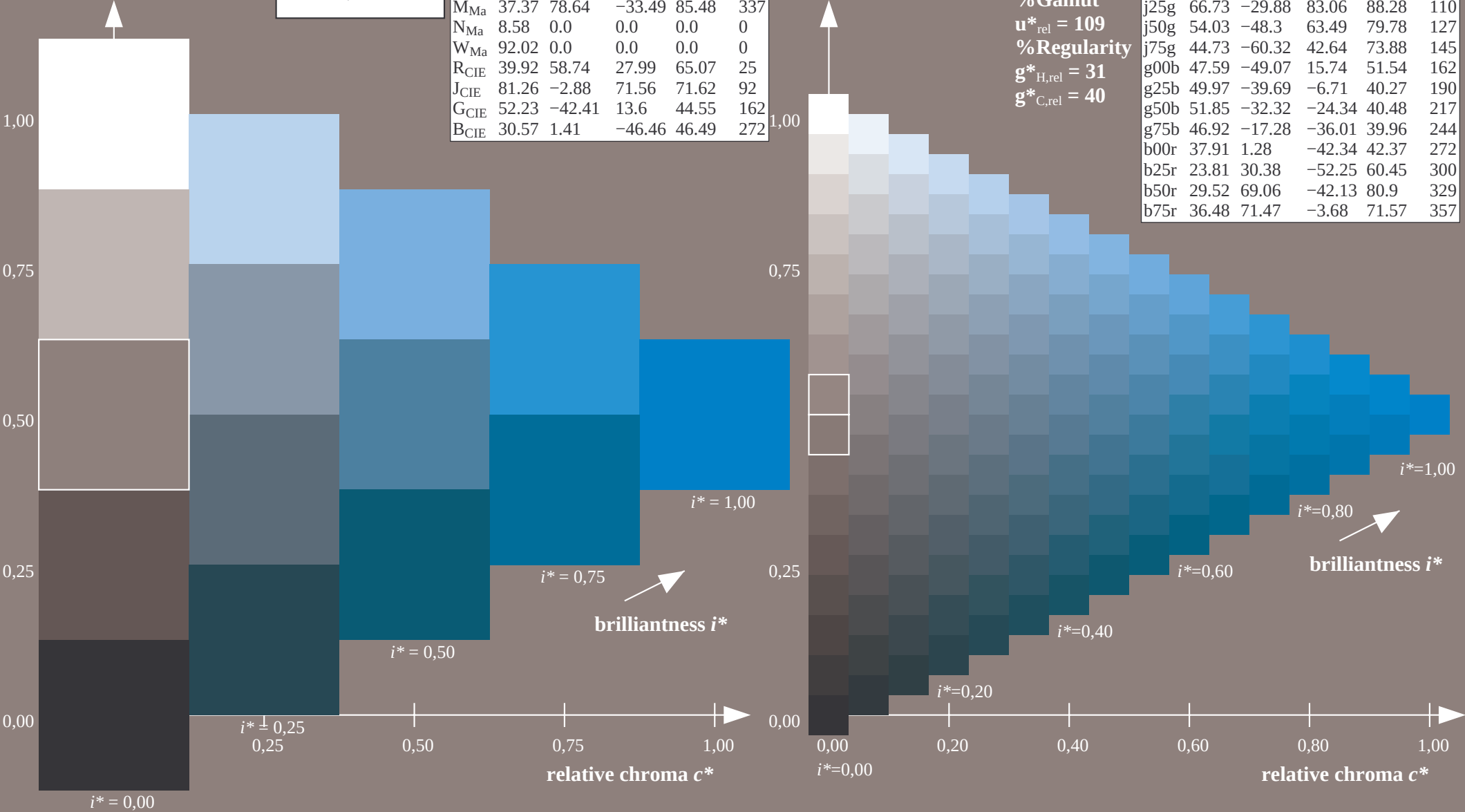


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

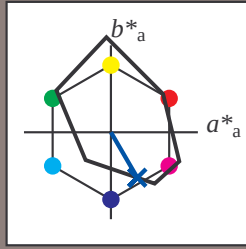
$LAB^*LAB^*Ma$ : 38 1 -41  
 $LAB^*LCH^*Ma$ : 38 42 272  
 $lab^*rgb^*Ma$ : 0.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.62 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





$u^* = b25r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

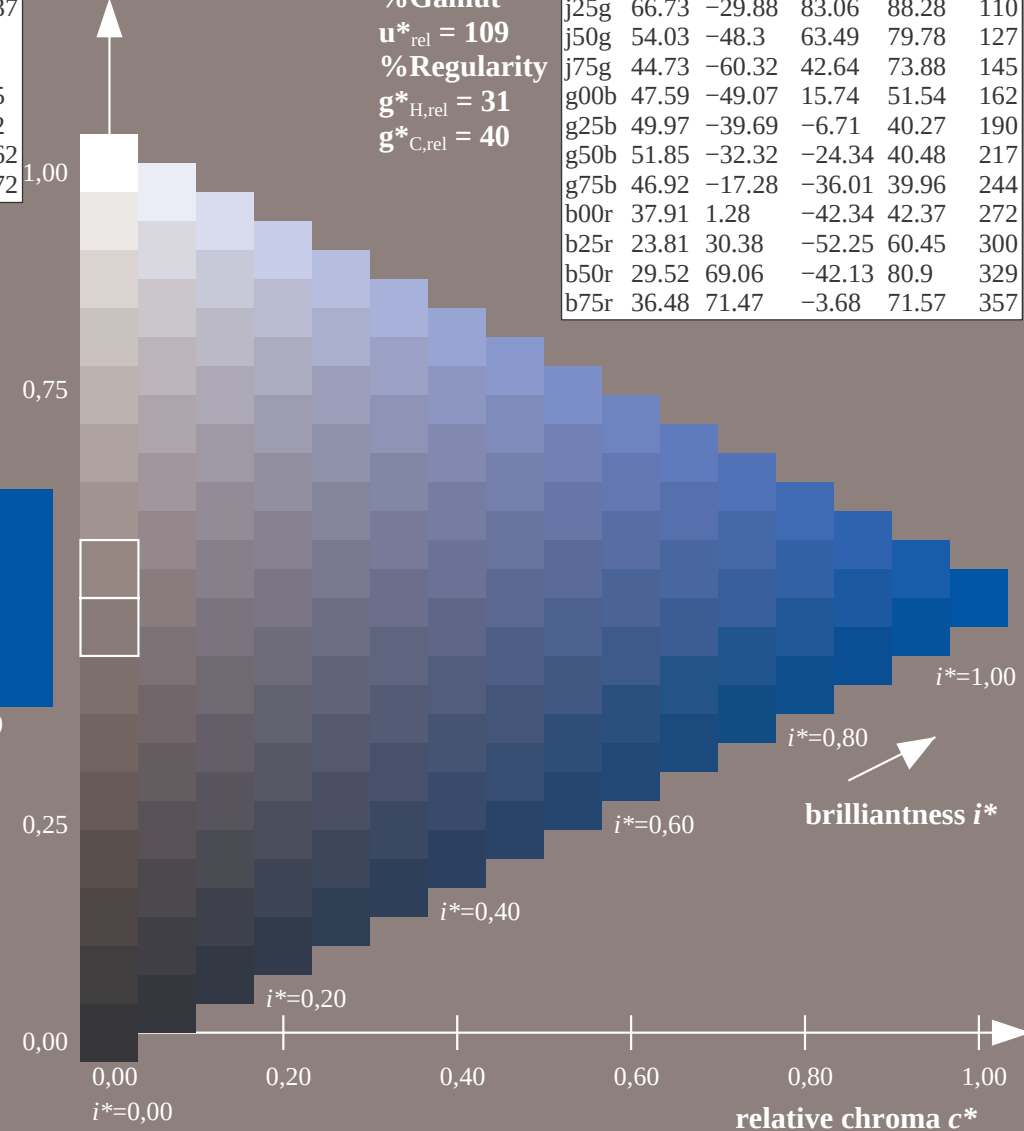
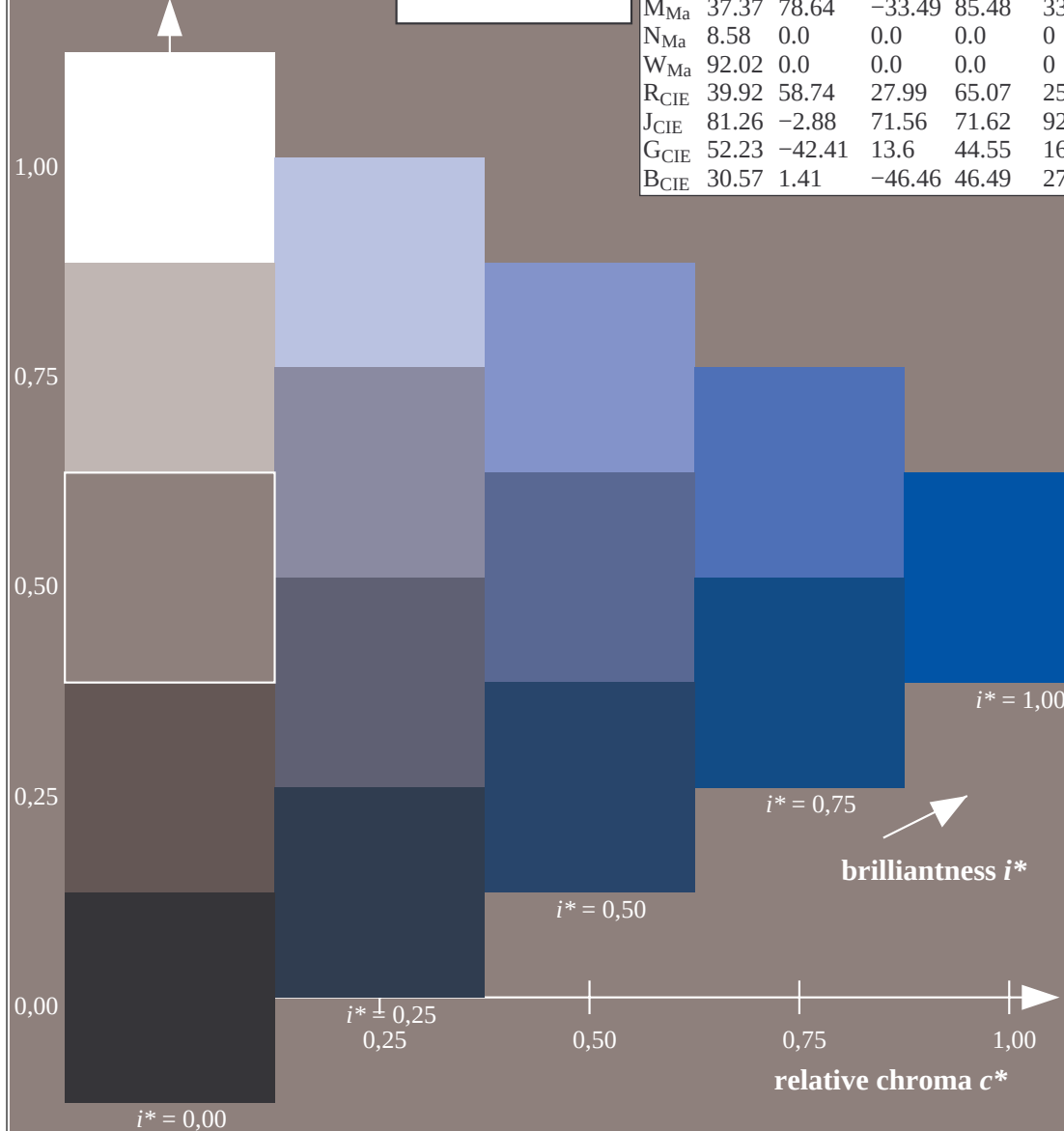


| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06         | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77         | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13         | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66         | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15         | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37         | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58          | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

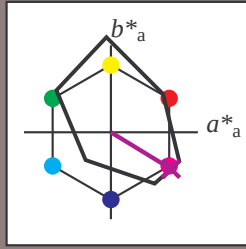
triangle lightness  $t^*$



| FRS09_92a; adapted (a) CIELAB data |                   |         |         |              |              |  |
|------------------------------------|-------------------|---------|---------|--------------|--------------|--|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| r00j                               | 35.47             | 63.32   | 30.17   | 70.15        | 25           |  |
| r25j                               | 39.12             | 54.56   | 49.45   | 73.64        | 42           |  |
| r50j                               | 50.64             | 39.15   | 64.89   | 75.79        | 59           |  |
| r75j                               | 64.01             | 21.26   | 82.83   | 85.52        | 76           |  |
| j00g                               | 83.18             | -4.37   | 108.53  | 108.62       | 92           |  |
| j25g                               | 66.73             | -29.88  | 83.06   | 88.28        | 110          |  |
| j50g                               | 54.03             | -48.3   | 63.49   | 79.78        | 127          |  |
| j75g                               | 44.73             | -60.32  | 42.64   | 73.88        | 145          |  |
| g00b                               | 47.59             | -49.07  | 15.74   | 51.54        | 162          |  |
| g25b                               | 49.97             | -39.69  | -6.71   | 40.27        | 190          |  |
| g50b                               | 51.85             | -32.32  | -24.34  | 40.48        | 217          |  |
| g75b                               | 46.92             | -17.28  | -36.01  | 39.96        | 244          |  |
| b00r                               | 37.91             | 1.28    | -42.34  | 42.37        | 272          |  |
| b25r                               | 23.81             | 30.38   | -52.25  | 60.45        | 300          |  |
| b50r                               | 29.52             | 69.06   | -42.13  | 80.9         | 329          |  |
| b75r                               | 36.48             | 71.47   | -3.68   | 71.57        | 357          |  |

$$g^*_{C,rel} = 40$$


$u^* = b50r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

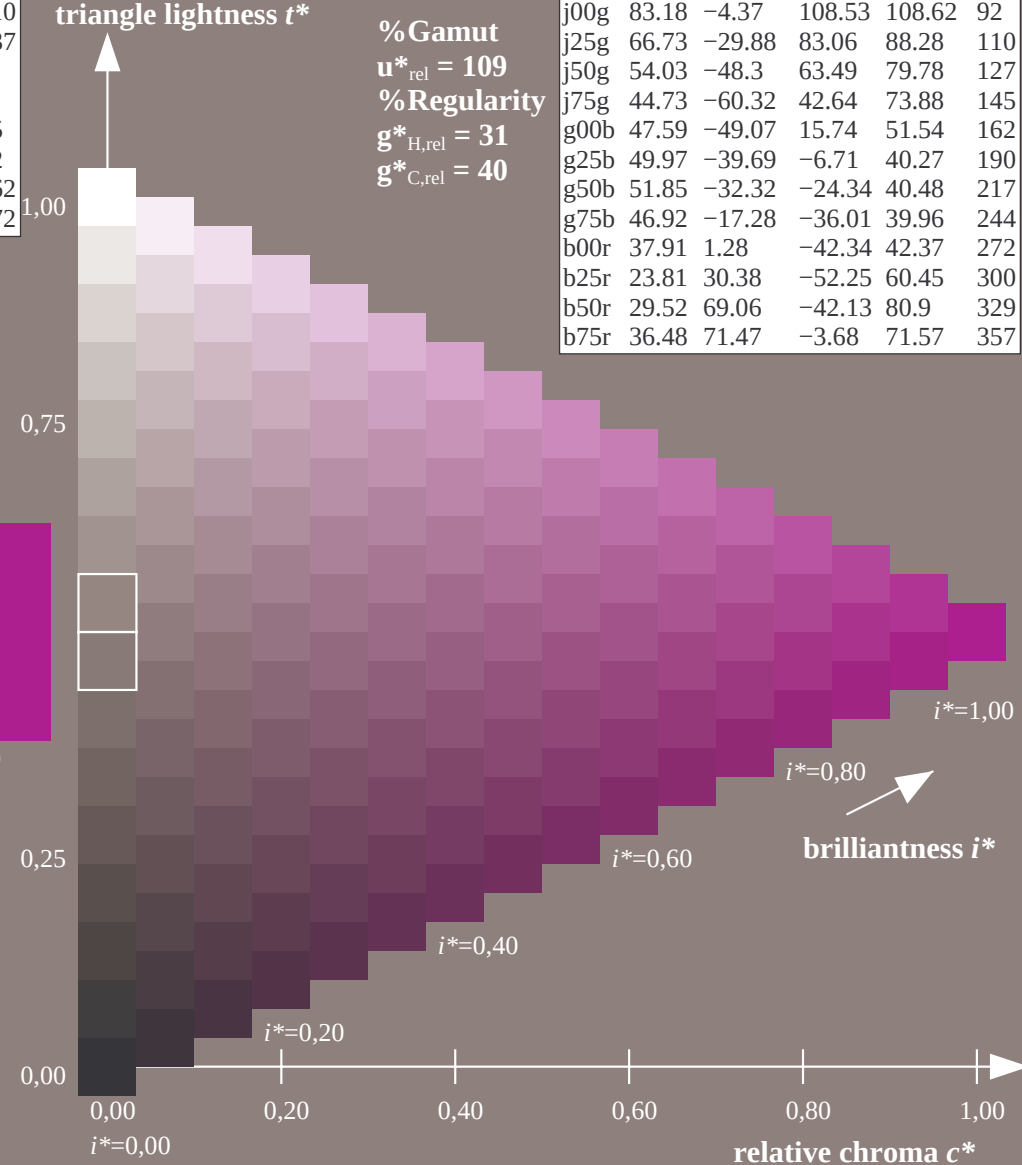
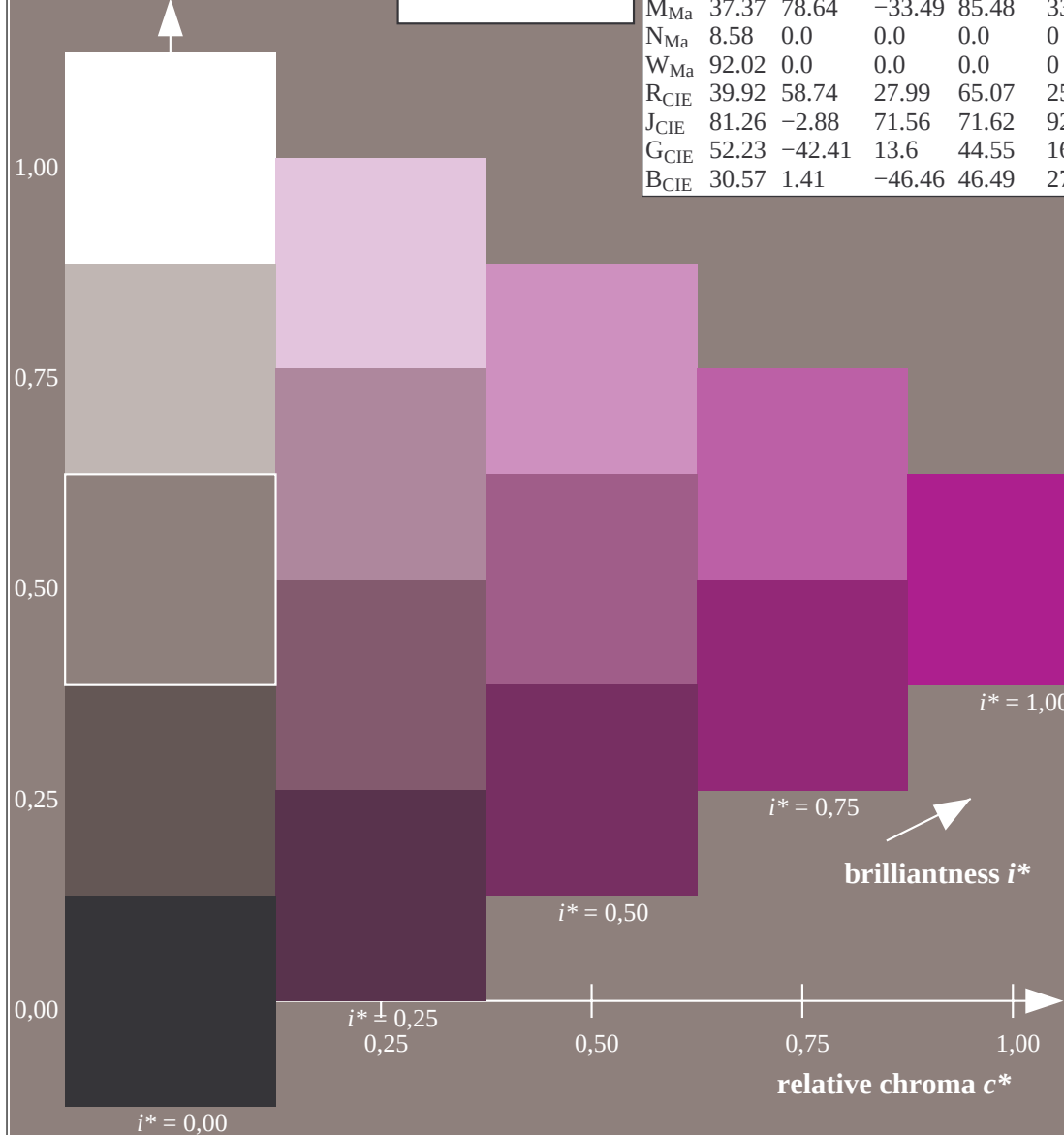


| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06         | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77         | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13         | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66         | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15         | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37         | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58          | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

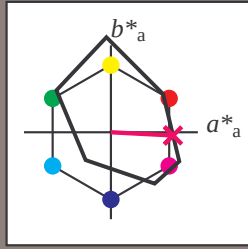
triangle lightness  $t^*$

triangle lightness  $t^*$

| FRS09_92a; adapted (a) CIELAB data |                   |         |         |              |              |  |
|------------------------------------|-------------------|---------|---------|--------------|--------------|--|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| r00j                               | 35.47             | 63.32   | 30.17   | 70.15        | 25           |  |
| r25j                               | 39.12             | 54.56   | 49.45   | 73.64        | 42           |  |
| r50j                               | 50.64             | 39.15   | 64.89   | 75.79        | 59           |  |
| r75j                               | 64.01             | 21.26   | 82.83   | 85.52        | 76           |  |
| j00g                               | 83.18             | -4.37   | 108.53  | 108.62       | 92           |  |
| j25g                               | 66.73             | -29.88  | 83.06   | 88.28        | 110          |  |
| j50g                               | 54.03             | -48.3   | 63.49   | 79.78        | 127          |  |
| j75g                               | 44.73             | -60.32  | 42.64   | 73.88        | 145          |  |
| g00b                               | 47.59             | -49.07  | 15.74   | 51.54        | 162          |  |
| g25b                               | 49.97             | -39.69  | -6.71   | 40.27        | 190          |  |
| g50b                               | 51.85             | -32.32  | -24.34  | 40.48        | 217          |  |
| g75b                               | 46.92             | -17.28  | -36.01  | 39.96        | 244          |  |
| b00r                               | 37.91             | 1.28    | -42.34  | 42.37        | 272          |  |
| b25r                               | 23.81             | 30.38   | -52.25  | 60.45        | 300          |  |
| b50r                               | 29.52             | 69.06   | -42.13  | 80.9         | 329          |  |
| b75r                               | 36.48             | 71.47   | -3.68   | 71.57        | 357          |  |



$u^* = b75r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

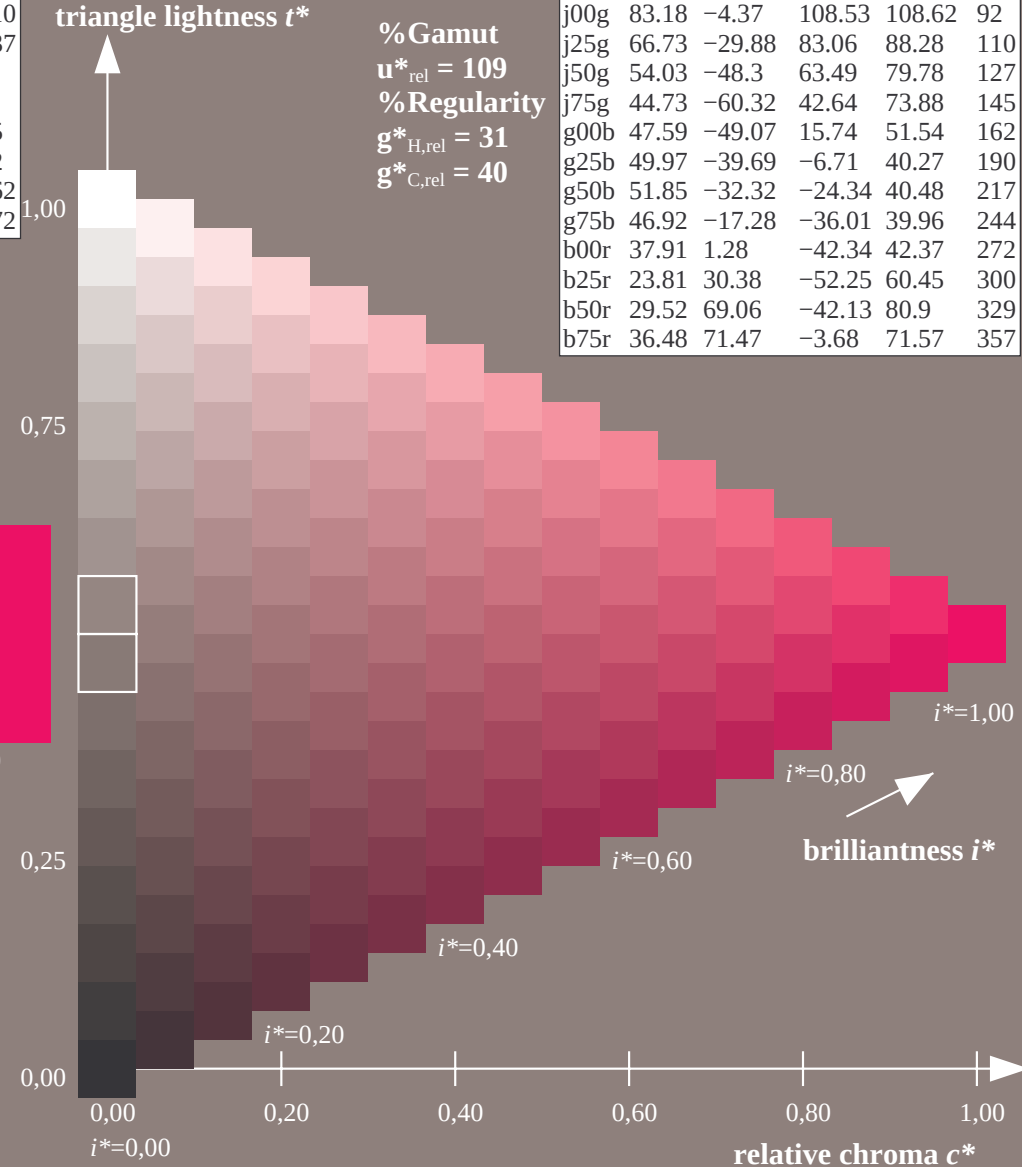
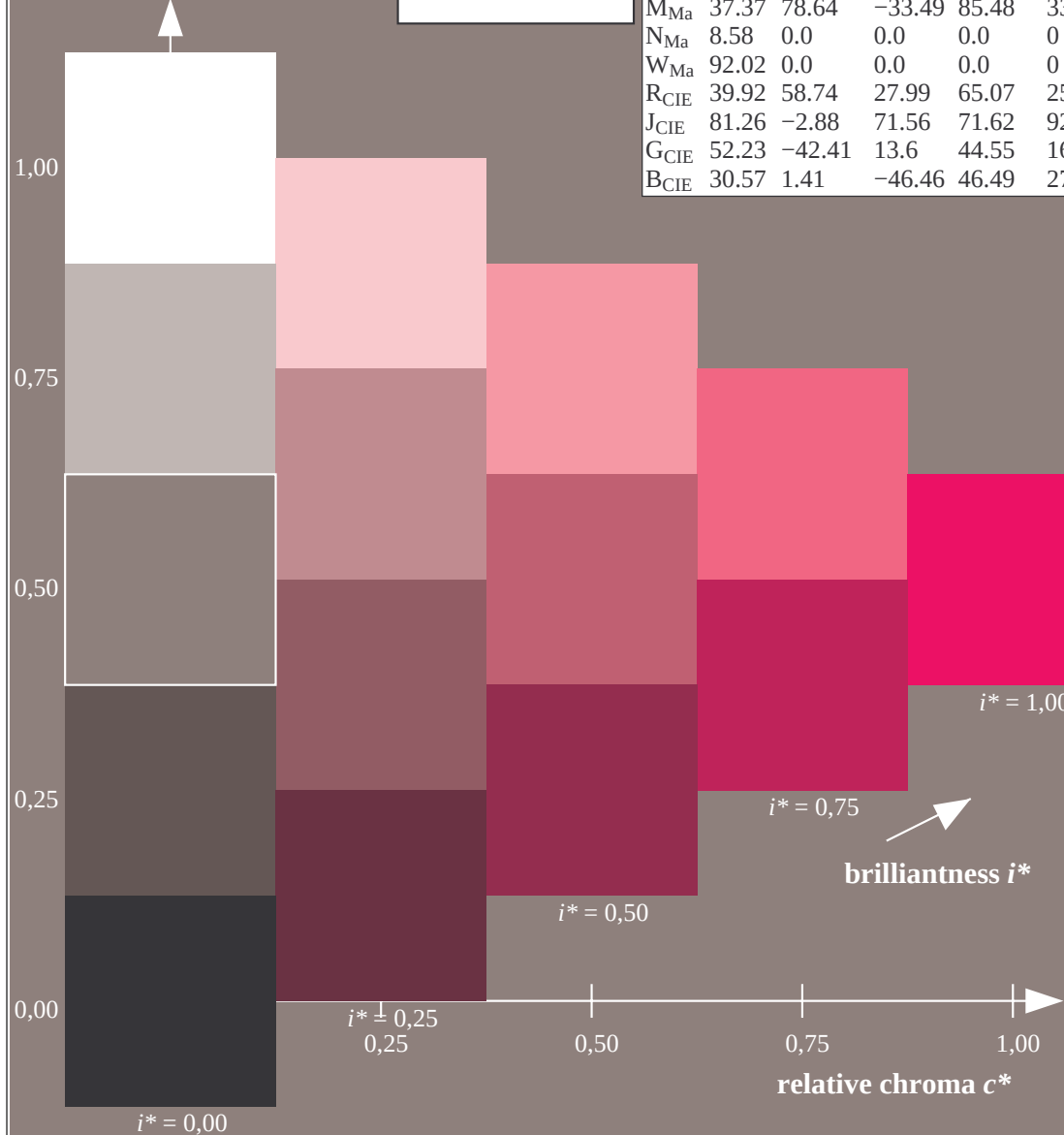


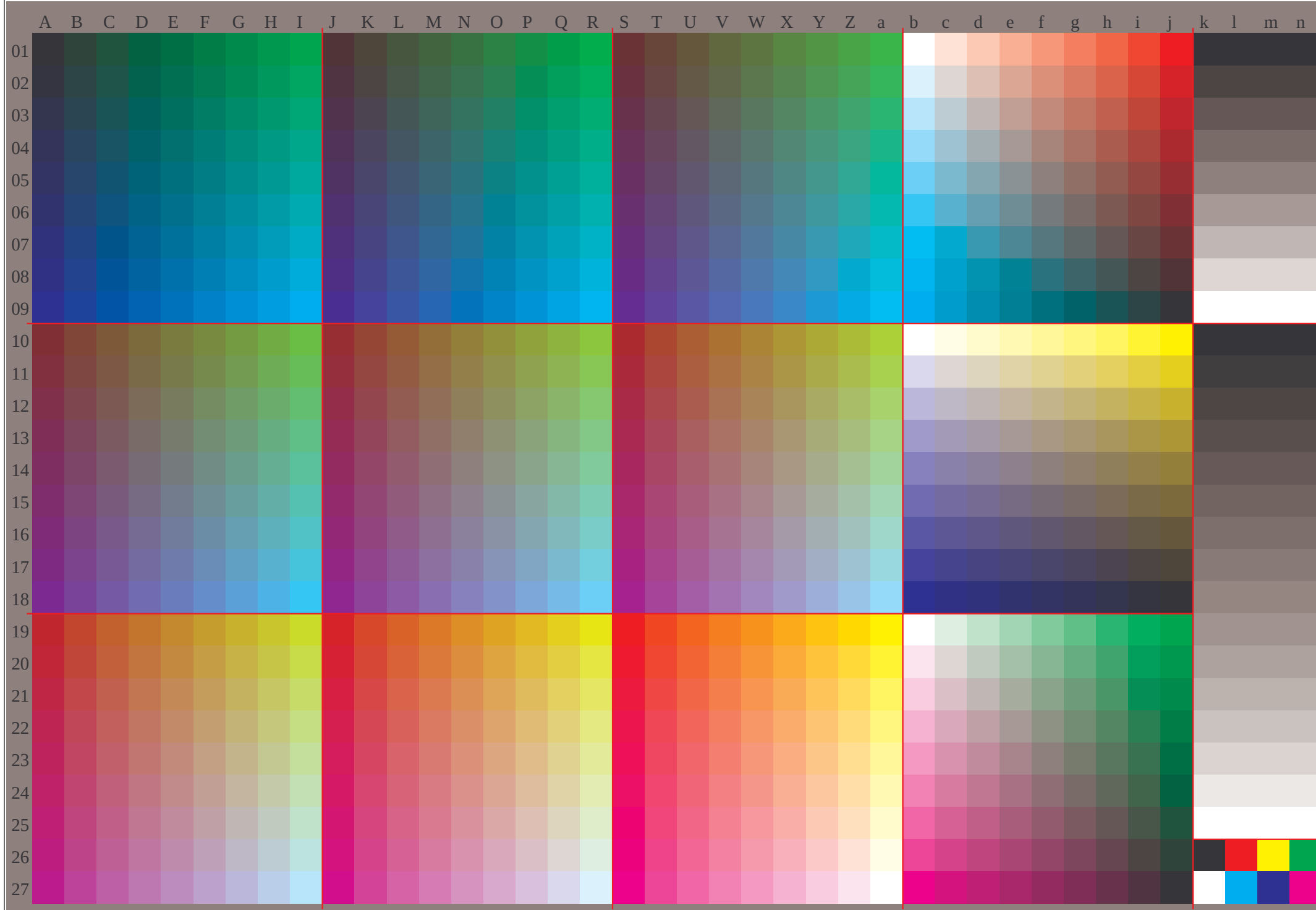
| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06         | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77         | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13         | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66         | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15         | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37         | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58          | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02         | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92         | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26         | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23         | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57         | 1.41    | -46.46  | 46.49        | 272          |

triangle lightness  $t^*$

triangle lightness  $t^*$

| FRS09_92a; adapted (a) CIELAB data |         |         |         |              |              |  |
|------------------------------------|---------|---------|---------|--------------|--------------|--|
|                                    | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |
| r00j                               | 35.47   | 63.32   | 30.17   | 70.15        | 25           |  |
| r25j                               | 39.12   | 54.56   | 49.45   | 73.64        | 42           |  |
| r50j                               | 50.64   | 39.15   | 64.89   | 75.79        | 59           |  |
| r75j                               | 64.01   | 21.26   | 82.83   | 85.52        | 76           |  |
| j00g                               | 83.18   | -4.37   | 108.53  | 108.62       | 92           |  |
| j25g                               | 66.73   | -29.88  | 83.06   | 88.28        | 110          |  |
| j50g                               | 54.03   | -48.3   | 63.49   | 79.78        | 127          |  |
| j75g                               | 44.73   | -60.32  | 42.64   | 73.88        | 145          |  |
| g00b                               | 47.59   | -49.07  | 15.74   | 51.54        | 162          |  |
| g25b                               | 49.97   | -39.69  | -6.71   | 40.27        | 190          |  |
| g50b                               | 51.85   | -32.32  | -24.34  | 40.48        | 217          |  |
| g75b                               | 46.92   | -17.28  | -36.01  | 39.96        | 244          |  |
| b00r                               | 37.91   | 1.28    | -42.34  | 42.37        | 272          |  |
| b25r                               | 23.81   | 30.38   | -52.25  | 60.45        | 300          |  |
| b50r                               | 29.52   | 69.06   | -42.13  | 80.9         | 329          |  |
| b75r                               | 36.48   | 71.47   | -3.68   | 71.57        | 357          |  |



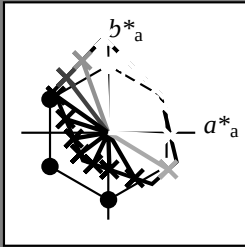


Input and output:  
Colorimetric Printer Reflective System FRS09\_92a  
data for any colour:  
*lab\*tch\* and lab\*icu\**

elementary hue text:  
*u\* = 16 hues r00j, r25j, ..., b75r*

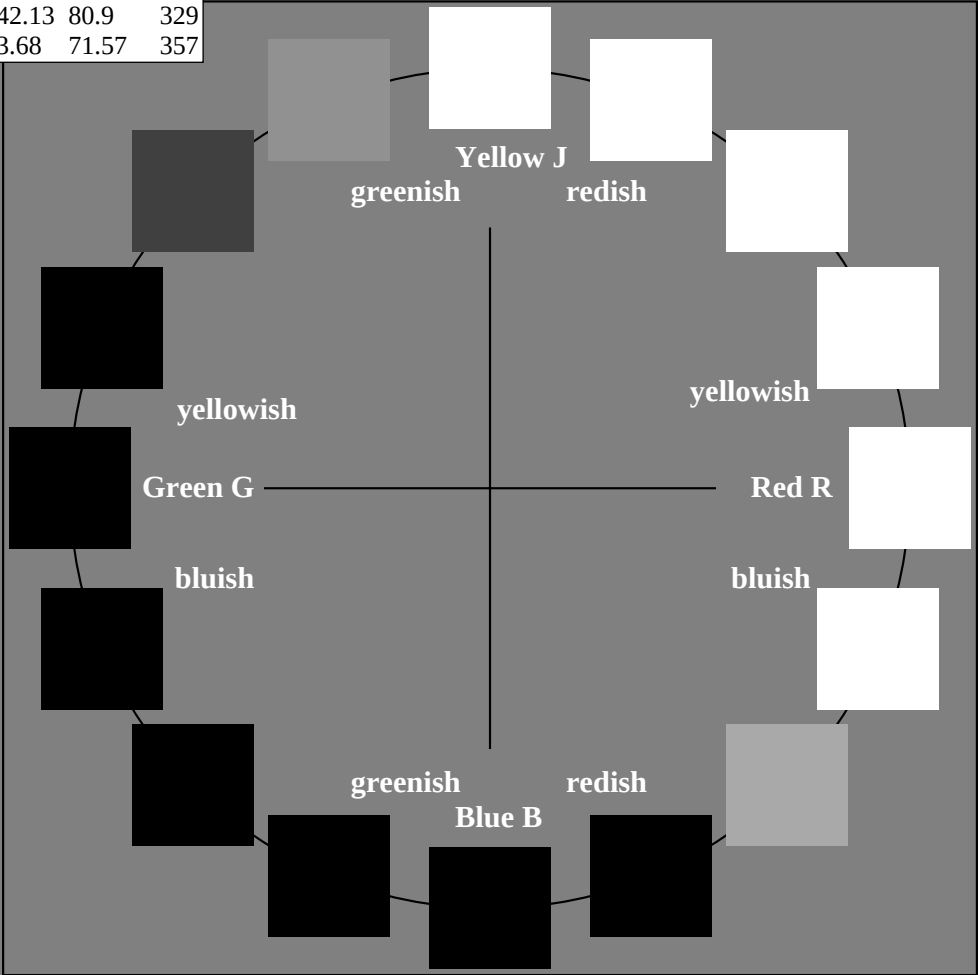
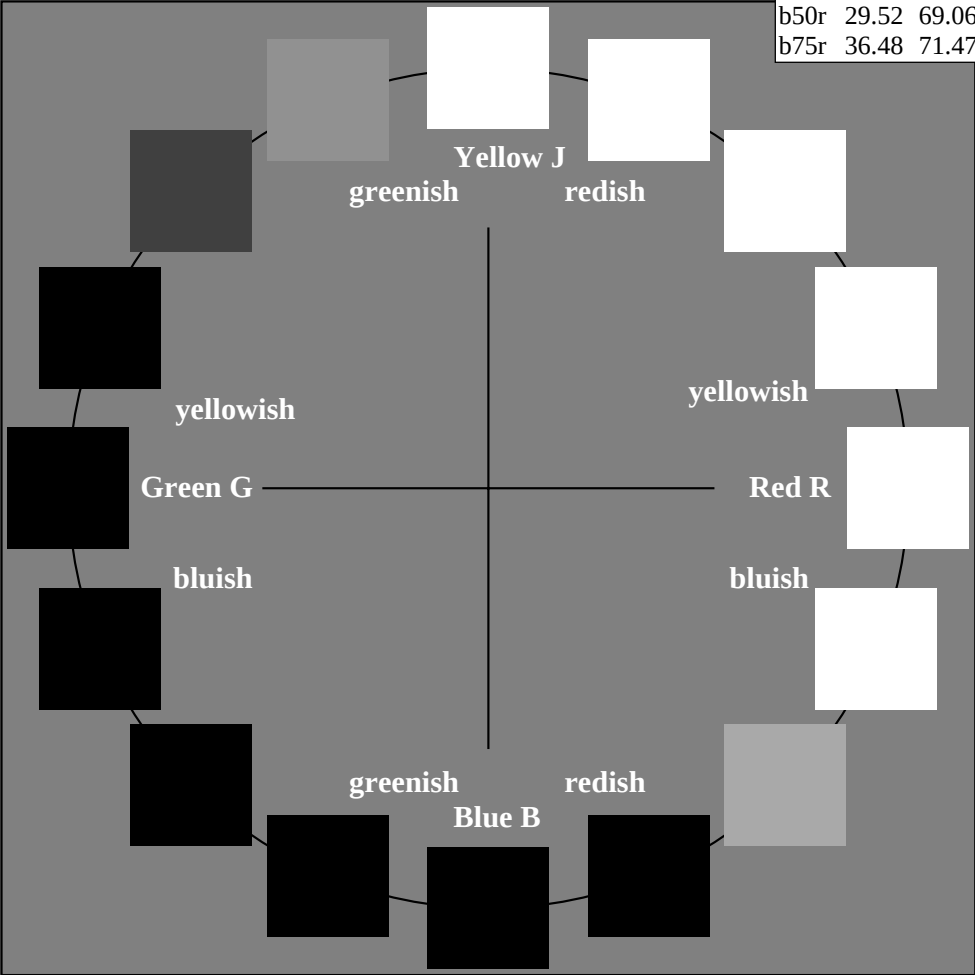
contrast reduction factor:  
*c<sub>R</sub> = 1.0*

| FRS09_92a; adapted (a) CIELAB data |                                       |                                  |                                  |                                     |                                     |
|------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
|                                    | <i>L* = L<sub>a</sub><sup>*</sup></i> | <i>a<sub>a</sub><sup>*</sup></i> | <i>b<sub>a</sub><sup>*</sup></i> | <i>C<sub>ab,a</sub><sup>*</sup></i> | <i>h<sub>ab,a</sub><sup>*</sup></i> |
| r00j                               | 35.47                                 | 63.32                            | 30.17                            | 70.15                               | 25                                  |
| r25j                               | 39.12                                 | 54.56                            | 49.45                            | 73.64                               | 42                                  |
| r50j                               | 50.64                                 | 39.15                            | 64.89                            | 75.79                               | 59                                  |
| r75j                               | 64.01                                 | 21.26                            | 82.83                            | 85.52                               | 76                                  |
| j00g                               | 83.18                                 | -4.37                            | 108.53                           | 108.62                              | 92                                  |
| j25g                               | 66.73                                 | -29.88                           | 83.06                            | 88.28                               | 110                                 |
| j50g                               | 54.03                                 | -48.3                            | 63.49                            | 79.78                               | 127                                 |
| j75g                               | 44.73                                 | -60.32                           | 42.64                            | 73.88                               | 145                                 |
| g00b                               | 47.59                                 | -49.07                           | 15.74                            | 51.54                               | 162                                 |
| g25b                               | 49.97                                 | -39.69                           | -6.71                            | 40.27                               | 190                                 |
| g50b                               | 51.85                                 | -32.32                           | -24.34                           | 40.48                               | 217                                 |
| g75b                               | 46.92                                 | -17.28                           | -36.01                           | 39.96                               | 244                                 |
| b00r                               | 37.91                                 | 1.28                             | -42.34                           | 42.37                               | 272                                 |
| b25r                               | 23.81                                 | 30.38                            | -52.25                           | 60.45                               | 300                                 |
| b50r                               | 29.52                                 | 69.06                            | -42.13                           | 80.9                                | 329                                 |
| b75r                               | 36.48                                 | 71.47                            | -3.68                            | 71.57                               | 357                                 |



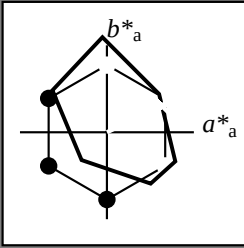
%Gamut  
*u<sub>rel</sub><sup>\*</sup> = 109*  
%Regularity  
*g<sub>H,rel</sub><sup>\*</sup> = 31*  
*g<sub>C,rel</sub><sup>\*</sup> = 40*

| FRS09_92a; adapted (a) CIELAB data |                                       |                                  |                                  |                                     |                                     |
|------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
|                                    | <i>L* = L<sub>a</sub><sup>*</sup></i> | <i>a<sub>a</sub><sup>*</sup></i> | <i>b<sub>a</sub><sup>*</sup></i> | <i>C<sub>ab,a</sub><sup>*</sup></i> | <i>h<sub>ab,a</sub><sup>*</sup></i> |
| O <sub>Ma</sub>                    | 35.06                                 | 60.0                             | 44.0                             | 74.4                                | 36                                  |
| Y <sub>Ma</sub>                    | 83.77                                 | -5.16                            | 109.32                           | 109.44                              | 93                                  |
| L <sub>Ma</sub>                    | 44.13                                 | -62.66                           | 48.24                            | 79.09                               | 142                                 |
| C <sub>Ma</sub>                    | 52.66                                 | -29.13                           | -31.98                           | 43.27                               | 228                                 |
| V <sub>Ma</sub>                    | 14.15                                 | 50.3                             | -59.03                           | 77.57                               | 310                                 |
| M <sub>Ma</sub>                    | 37.37                                 | 78.64                            | -33.49                           | 85.48                               | 337                                 |
| N <sub>Ma</sub>                    | 8.58                                  | 0.0                              | 0.0                              | 0.0                                 | 0                                   |
| W <sub>Ma</sub>                    | 92.02                                 | 0.0                              | 0.0                              | 0.0                                 | 0                                   |
| R <sub>CIE</sub>                   | 39.92                                 | 58.74                            | 27.99                            | 65.07                               | 25                                  |
| J <sub>CIE</sub>                   | 81.26                                 | -2.88                            | 71.56                            | 71.62                               | 92                                  |
| G <sub>CIE</sub>                   | 52.23                                 | -42.41                           | 13.6                             | 44.55                               | 162                                 |
| B <sub>CIE</sub>                   | 30.57                                 | 1.41                             | -46.46                           | 46.49                               | 272                                 |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r00j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

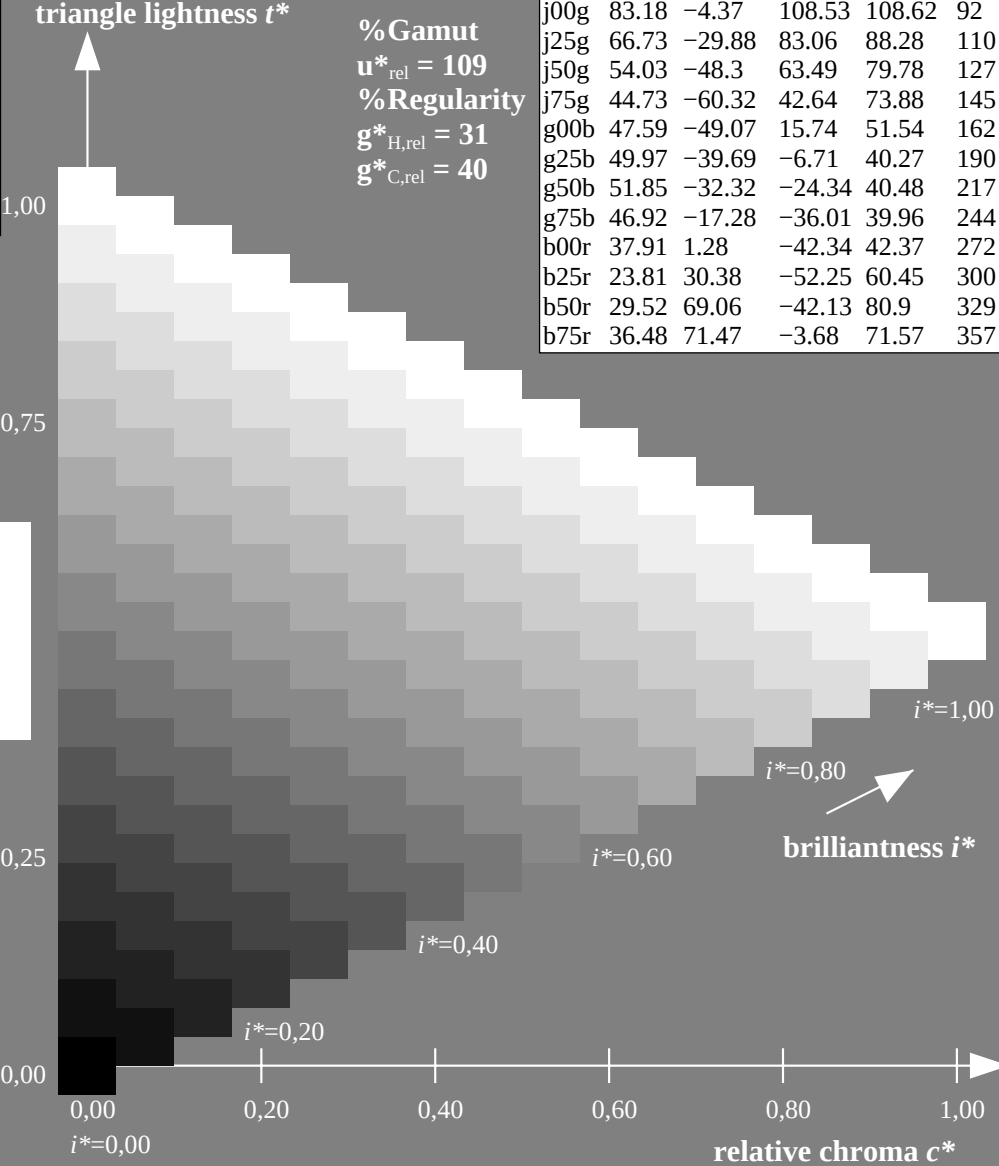
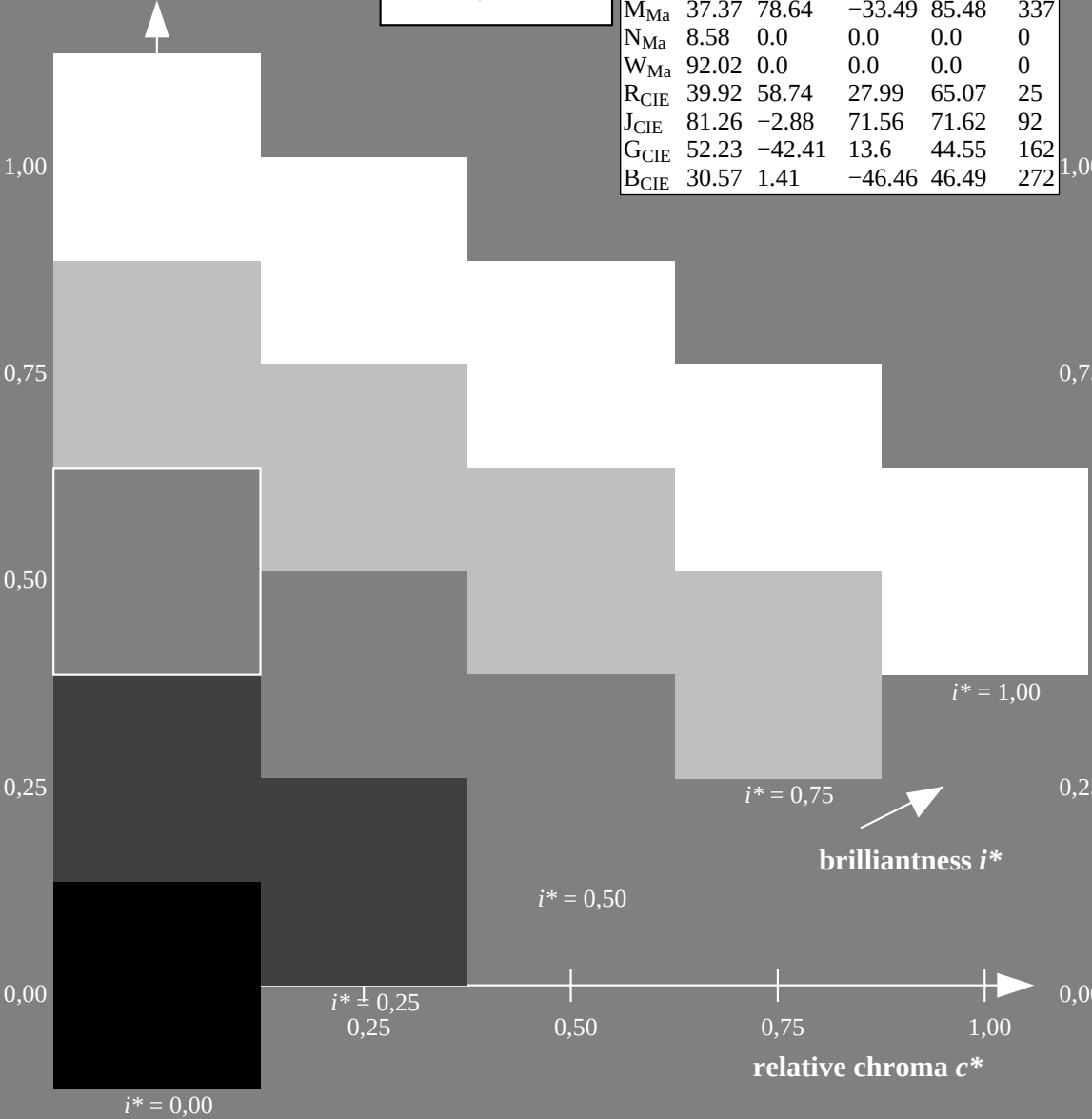


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

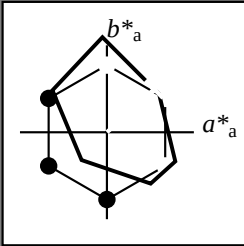
$LAB^*LAB^*Ma$ : 35 63 30  
 $LAB^*LCH^*Ma$ : 35 70 25  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.0 0.18

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r25j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

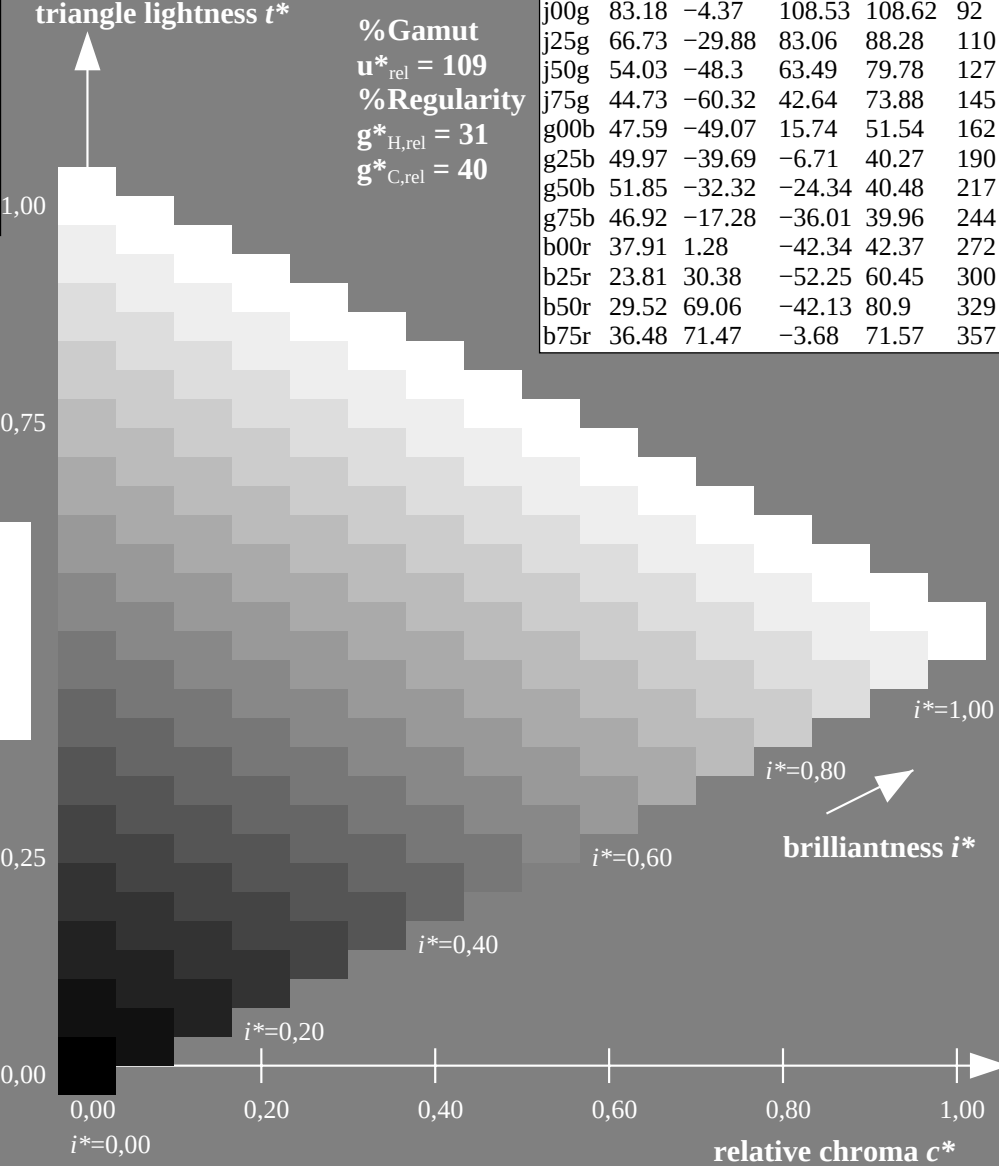
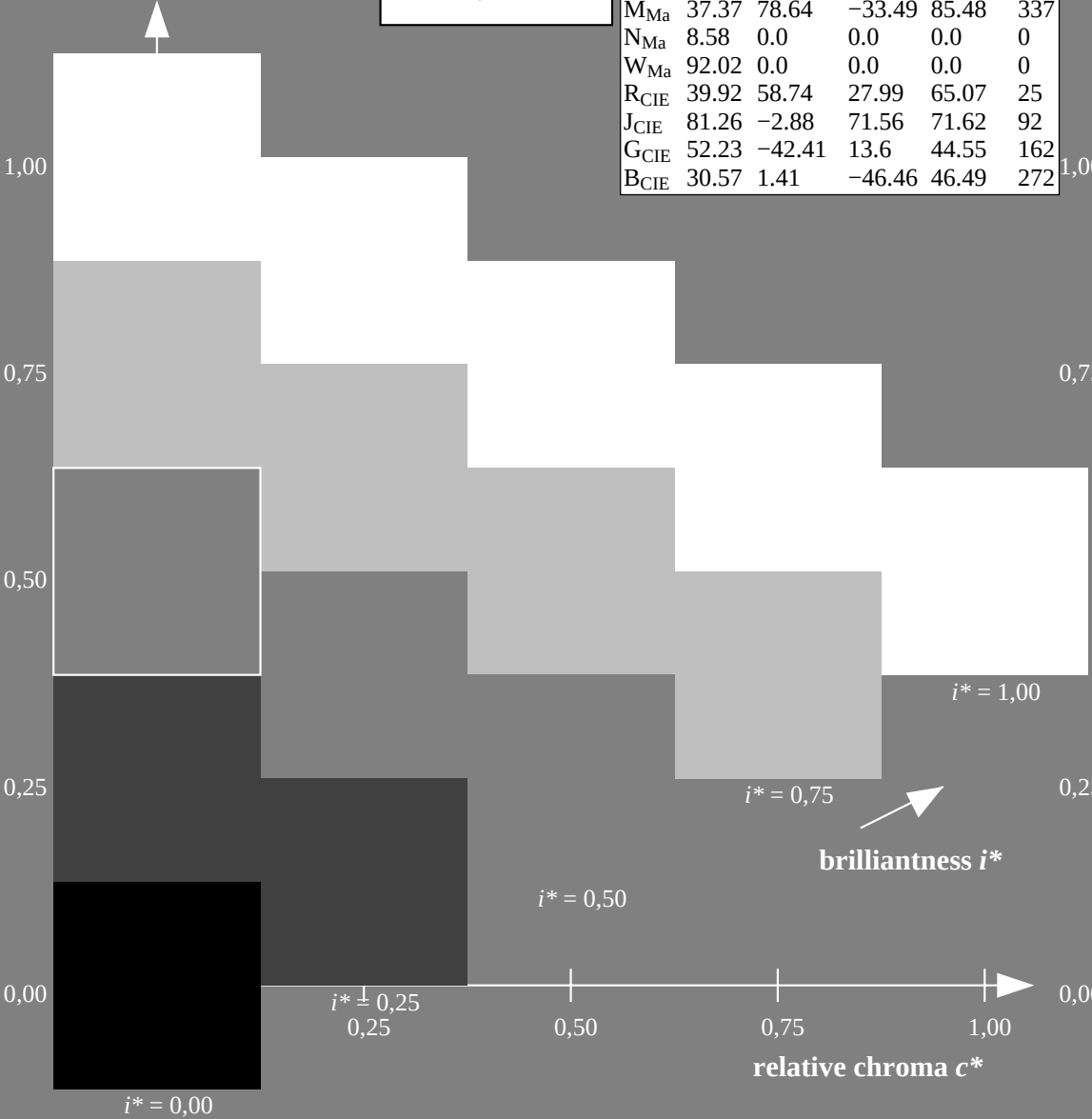


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

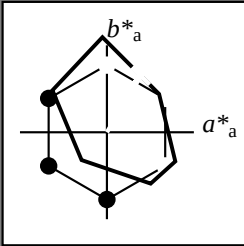
$LAB^*LAB^*Ma$ : 39 55 49  
 $LAB^*LCH^*Ma$ : 39 74 42  
 $lab^*rgb^*Ma$ : 1.0 0.25 0.0  
 $lab^*olv^*Ma$ : 1.0 0.08 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r50j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

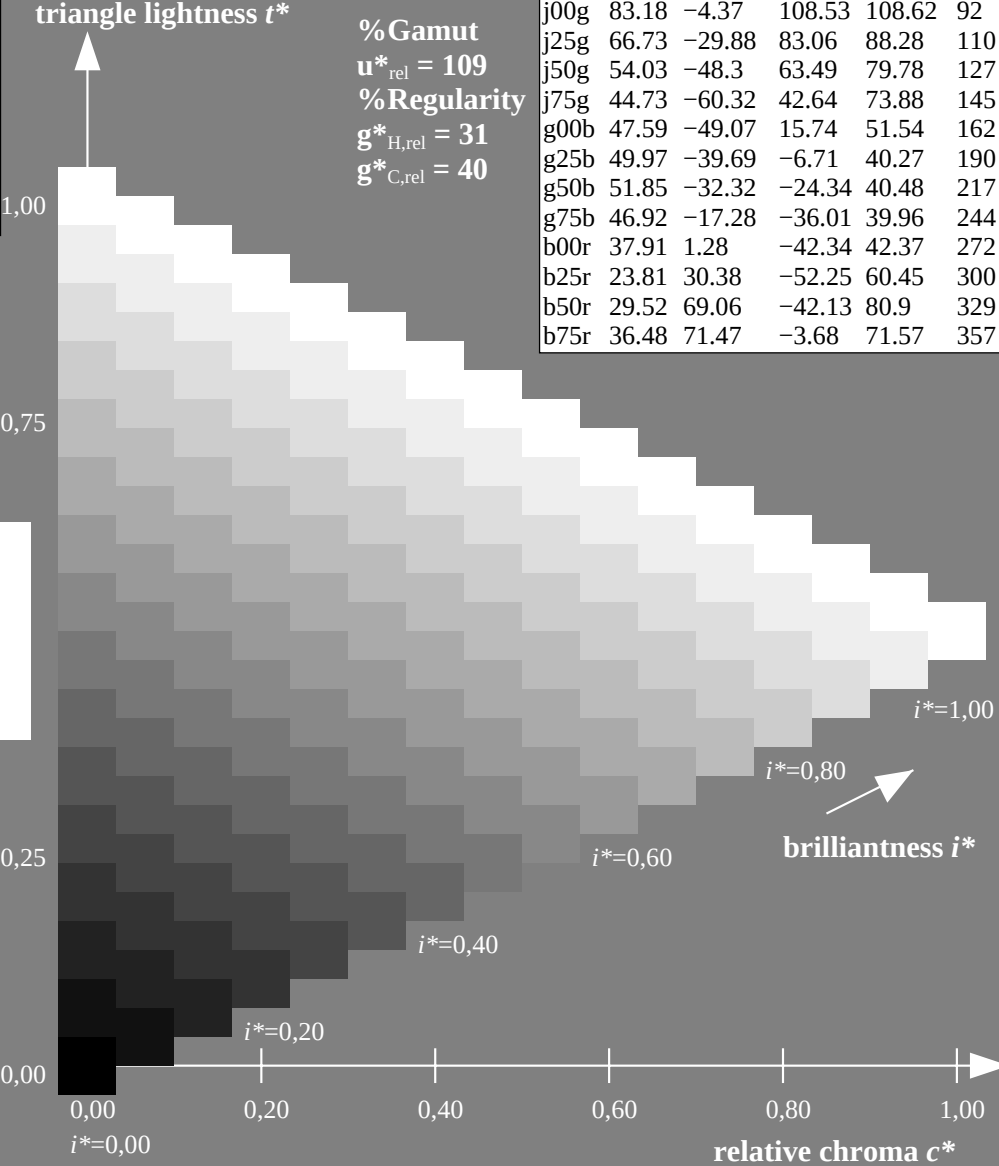
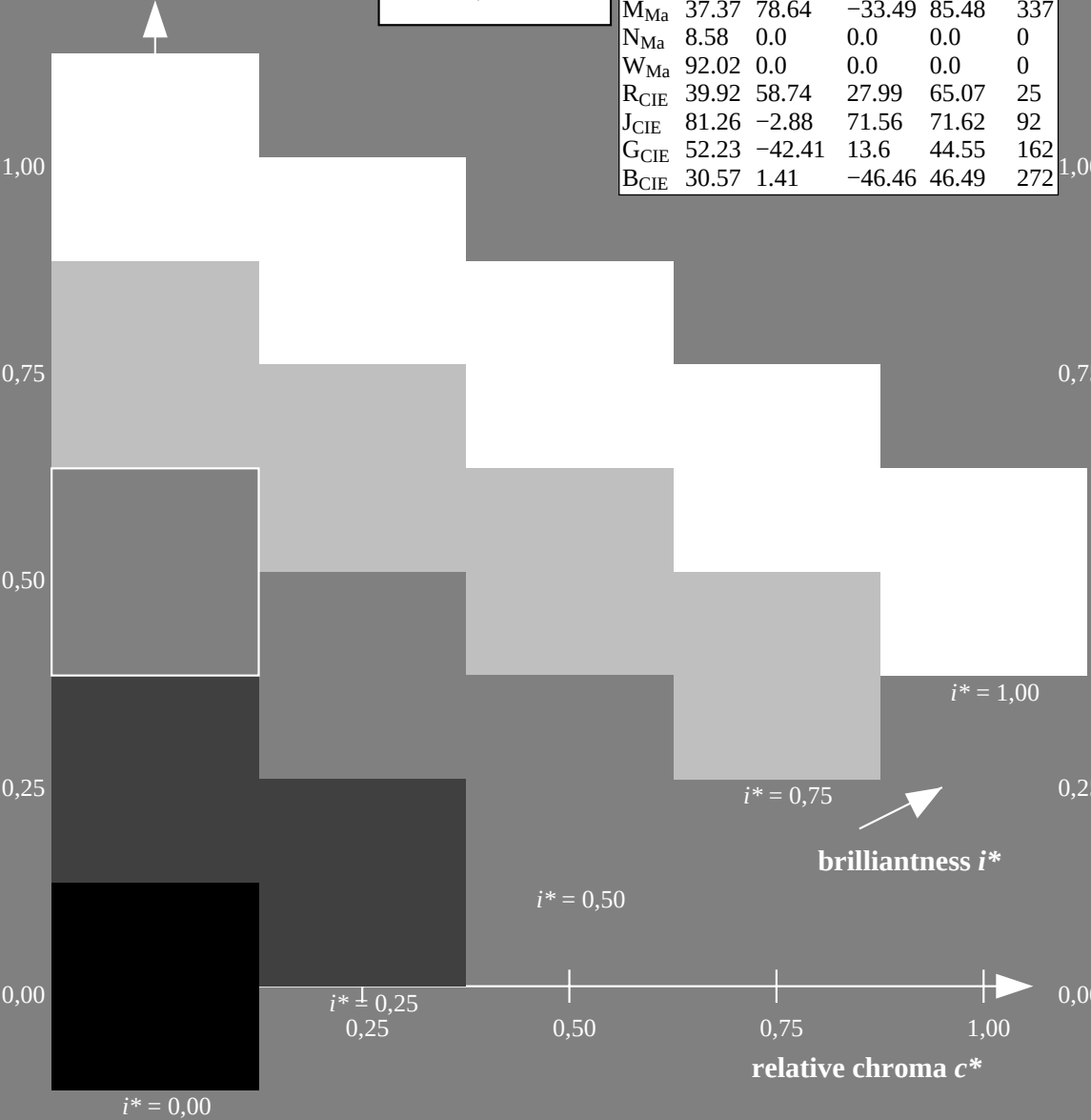


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 51 39 65  
 $LAB^*LCH^*Ma$ : 51 76 59  
 $lab^*rgb^*Ma$ : 1.0 0.5 0.0  
 $lab^*olv^*Ma$ : 1.0 0.32 0.0

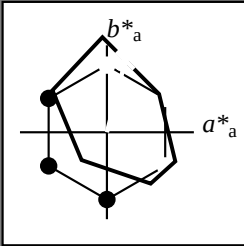
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r75j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

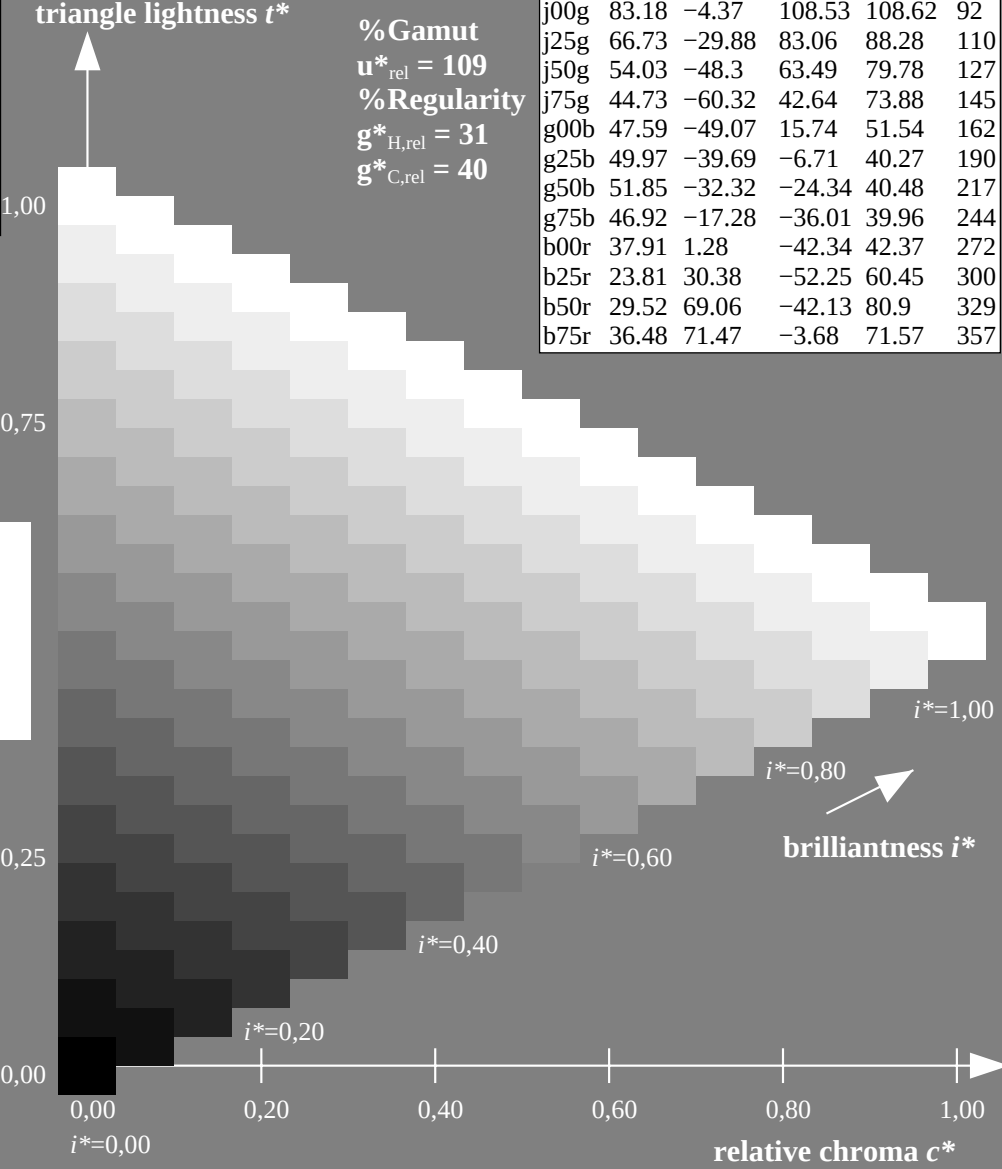
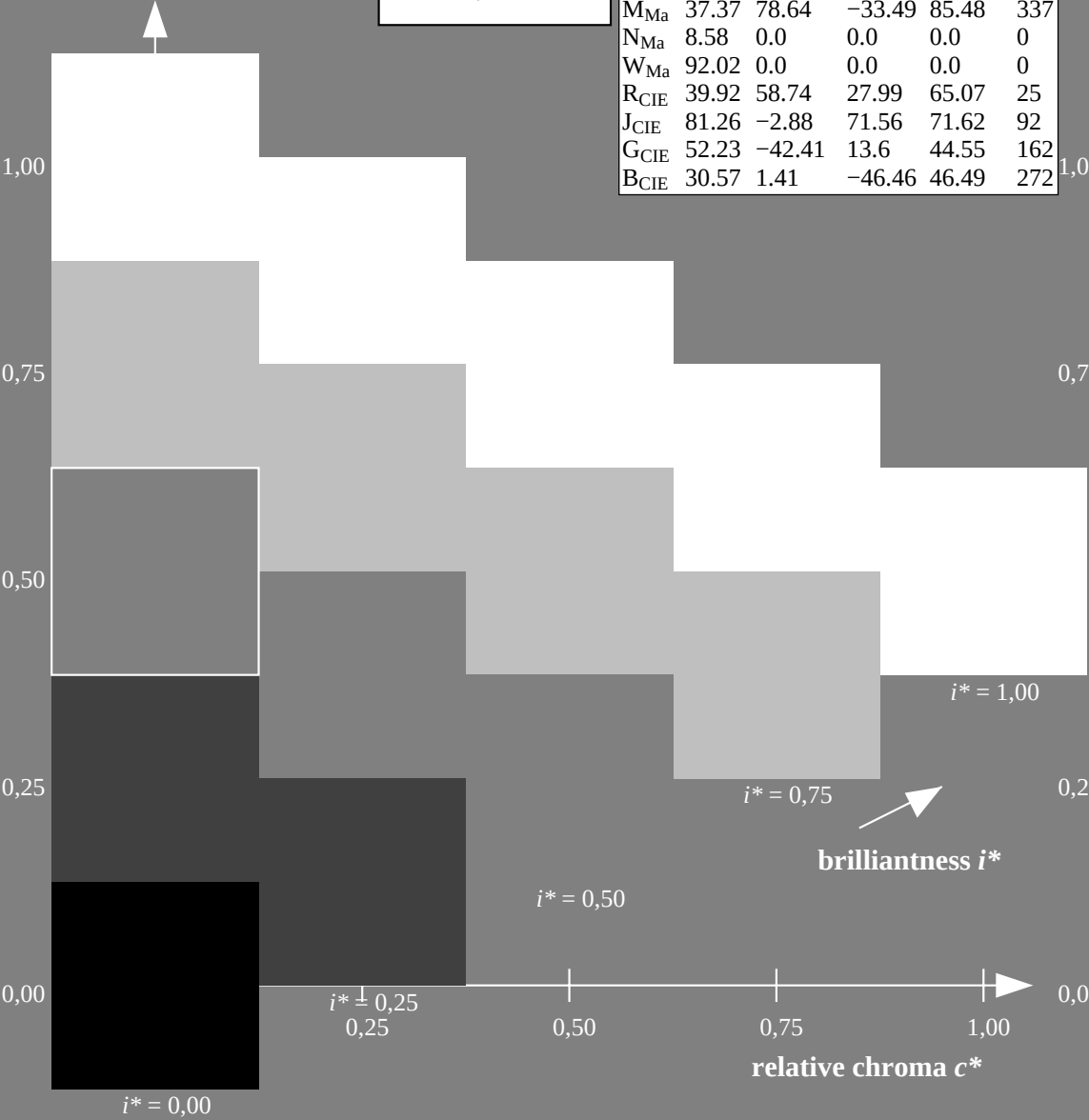


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

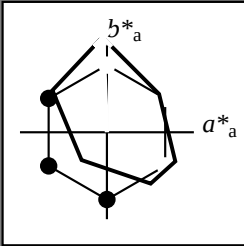
$LAB^*LAB^*Ma$ : 64 21 83  
 $LAB^*LCH^*Ma$ : 64 86 76  
 $lab^*rgb^*Ma$ : 1.0 0.75 0.0  
 $lab^*olv^*Ma$ : 1.0 0.59 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j00g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

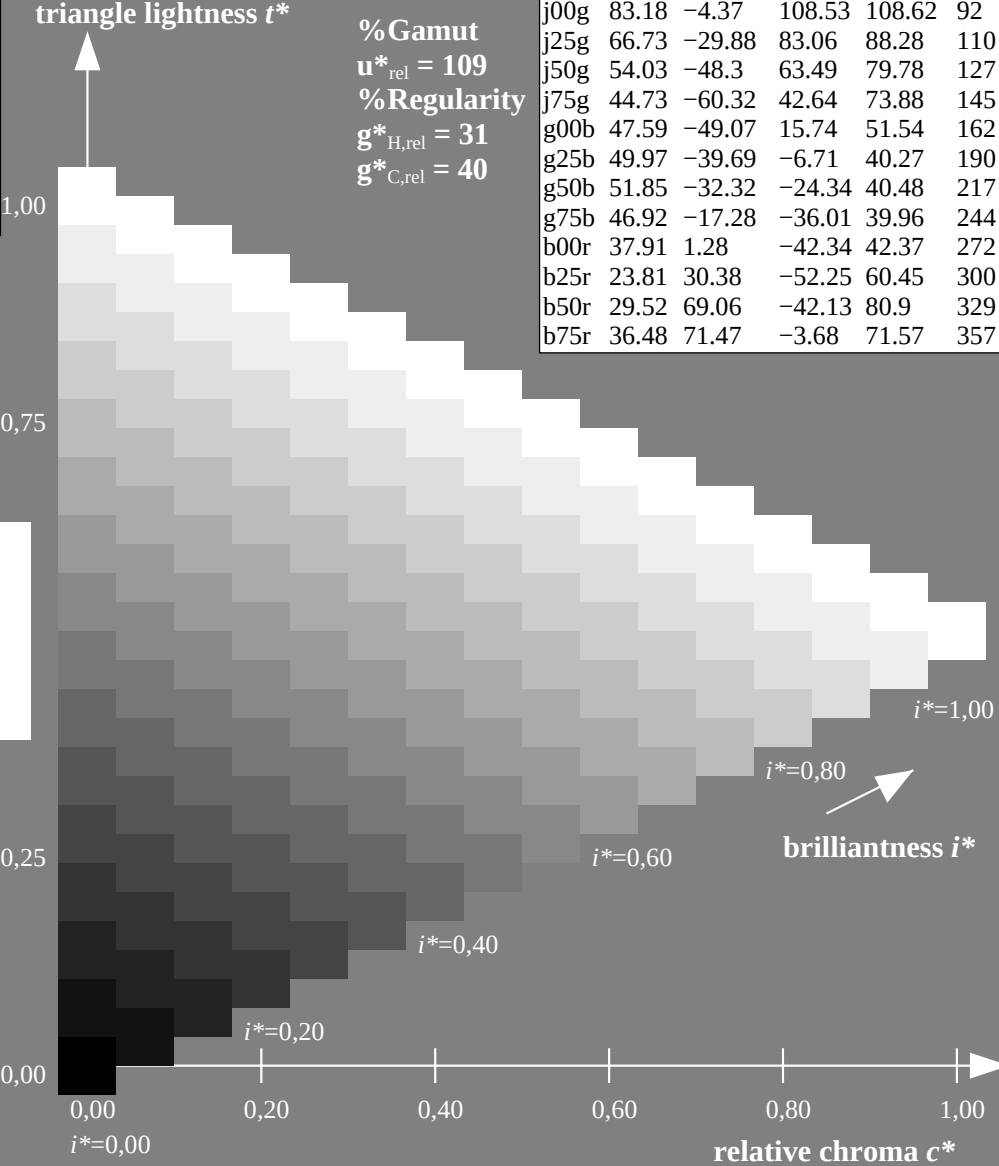
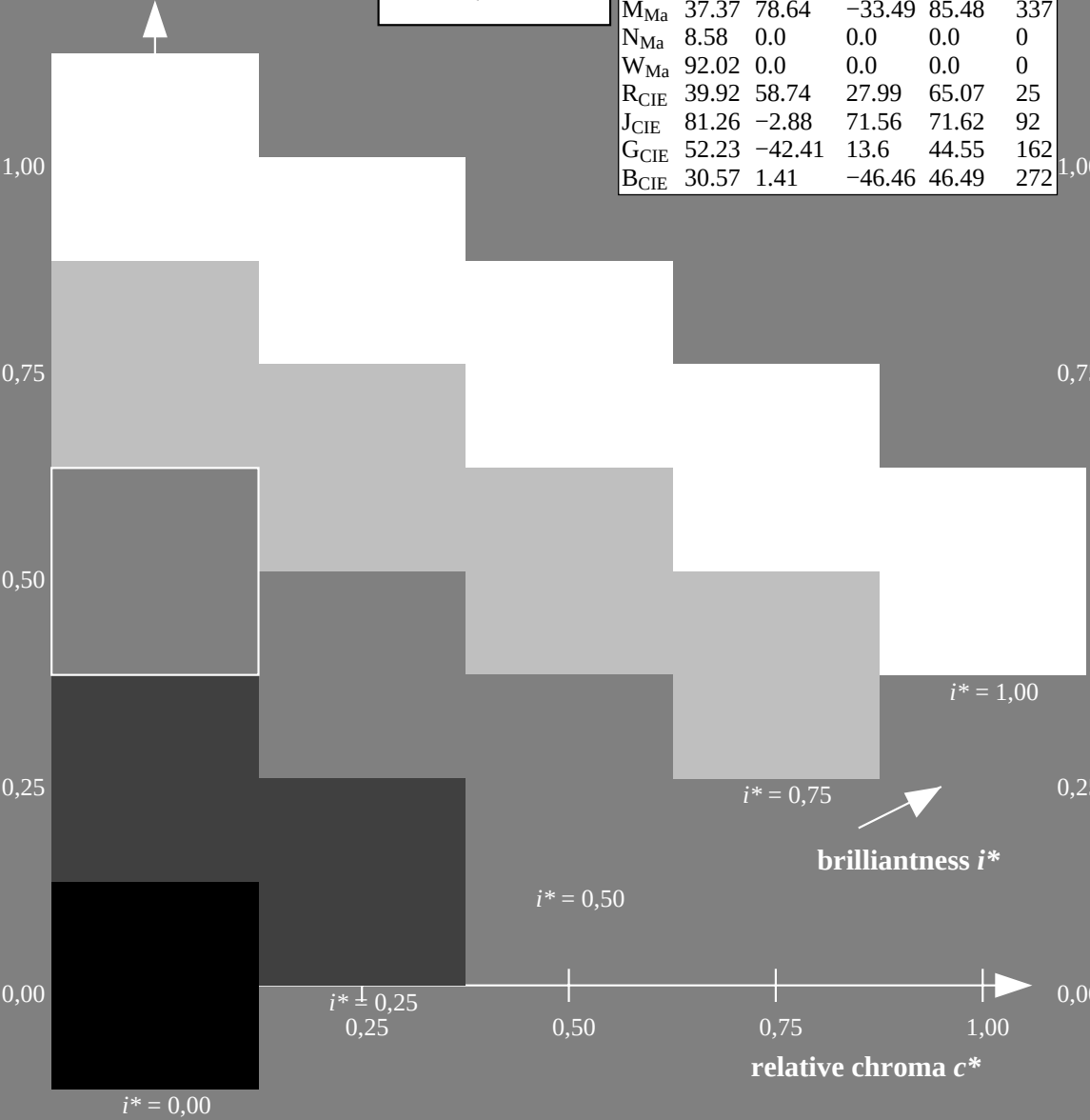


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

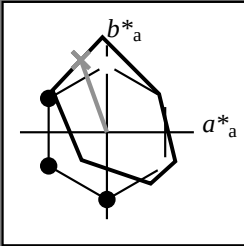
$LAB^*LAB^*Ma: 83 -3 109$   
 $LAB^*LCH^*Ma: 83 109 92$   
 $lab^*rgb^*Ma: 1.0 1.0 0.0$   
 $lab^*olv^*Ma: 1.0 0.99 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j25g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

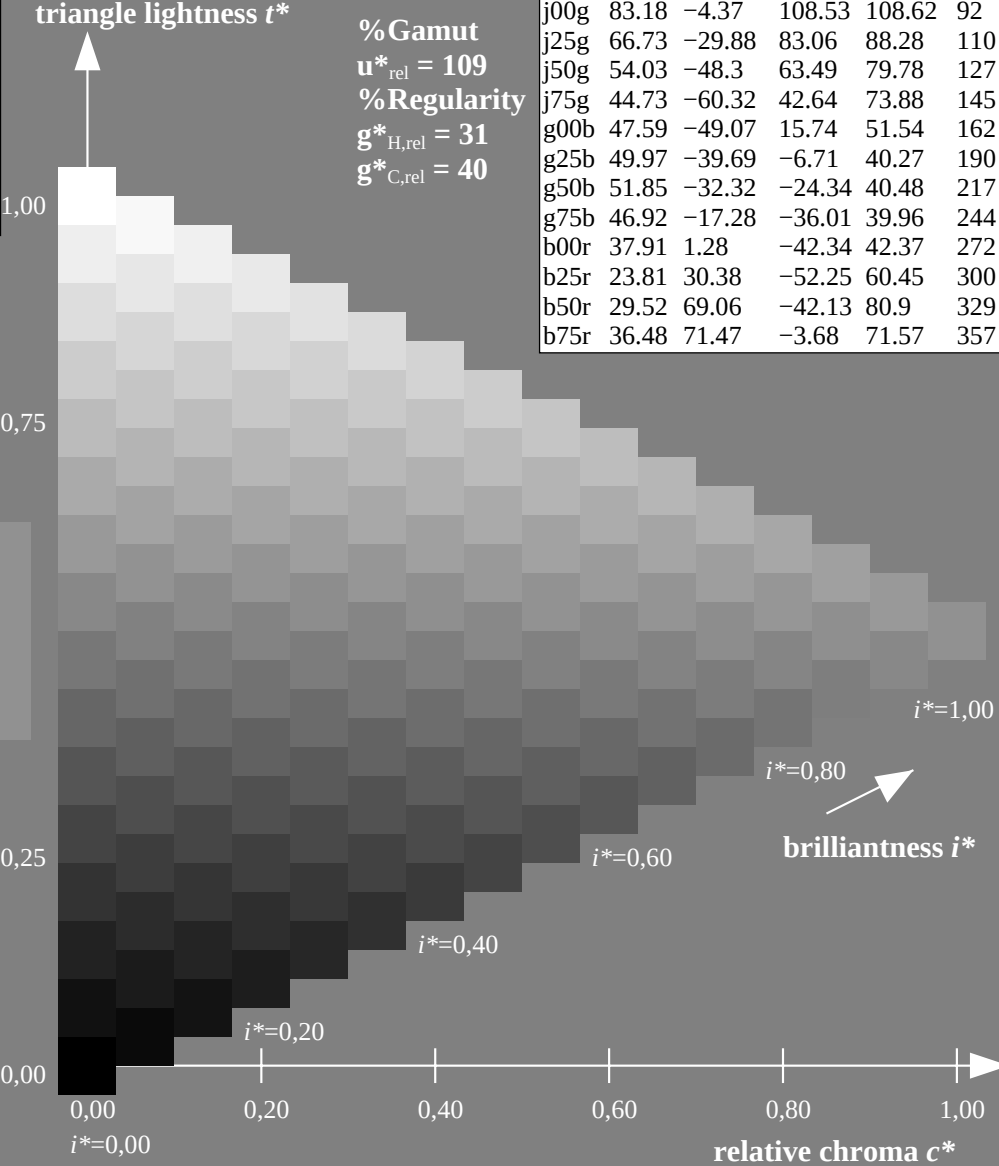
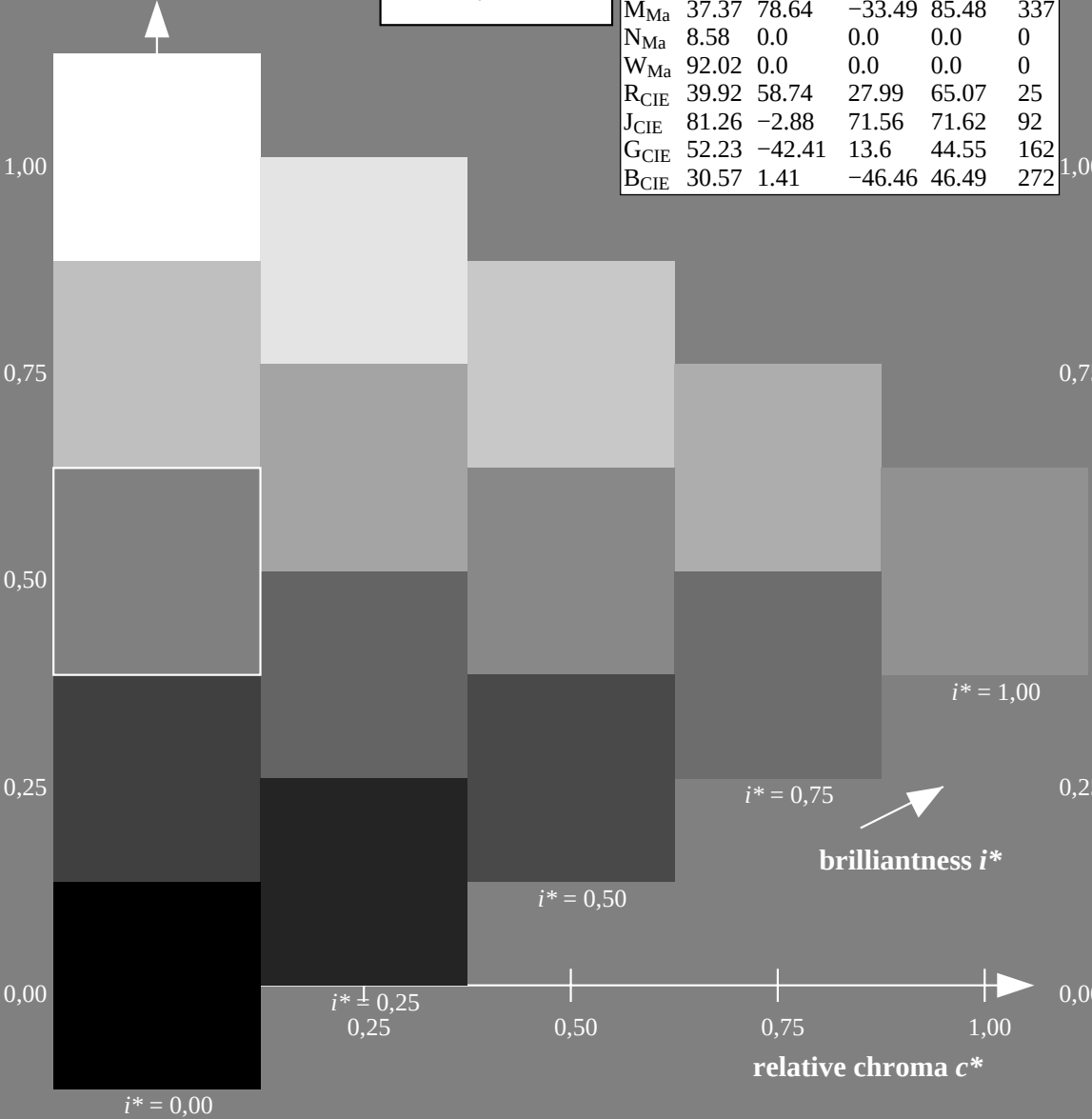


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

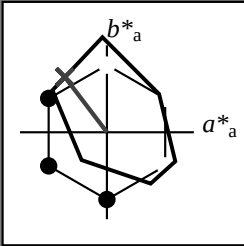
$LAB^*LAB^*Ma$ : 67 -29 83  
 $LAB^*LCH^*Ma$ : 67 88 110  
 $lab^*rgb^*Ma$ : 0.75 1.0 0.0  
 $lab^*olv^*Ma$ : 0.57 1.0 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j50g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

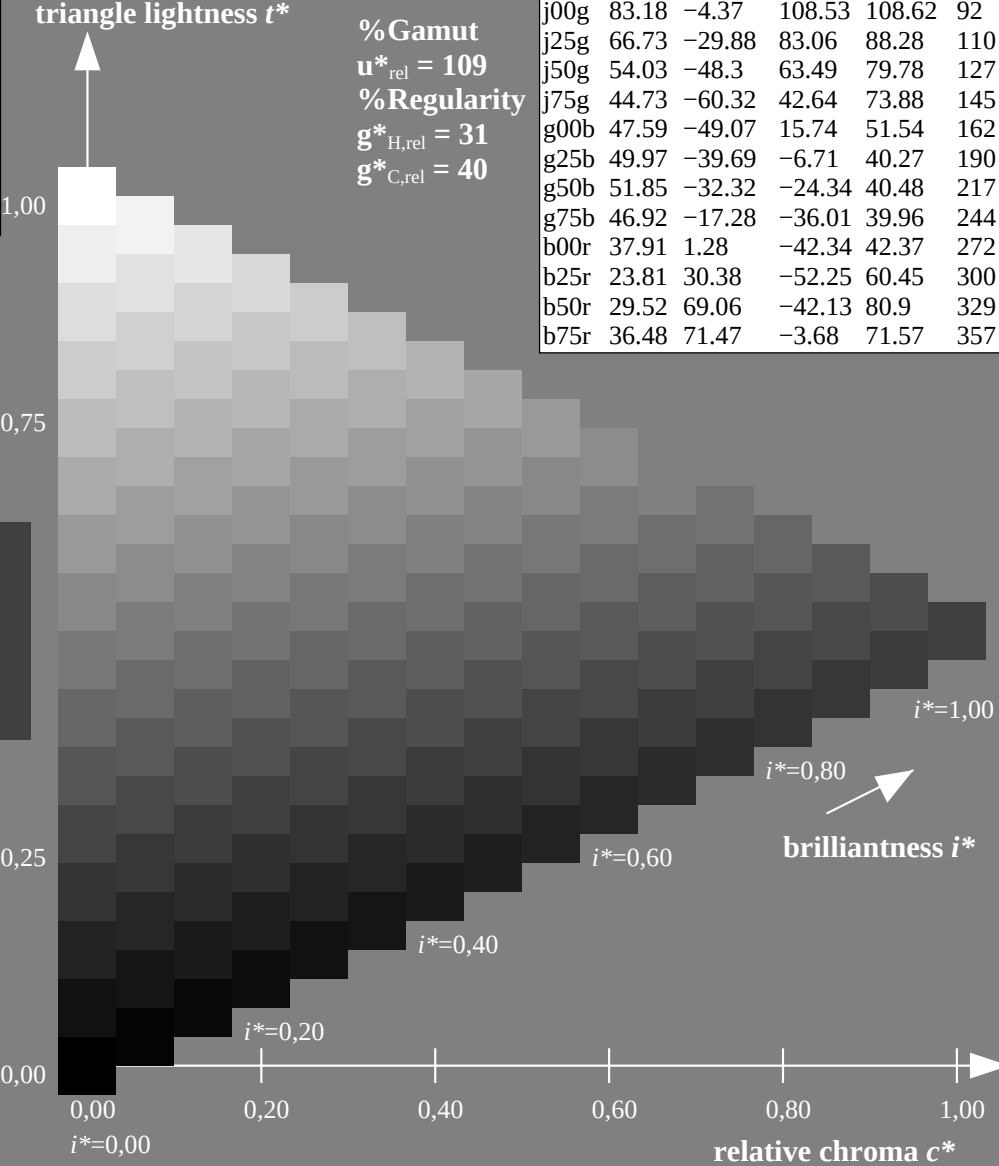
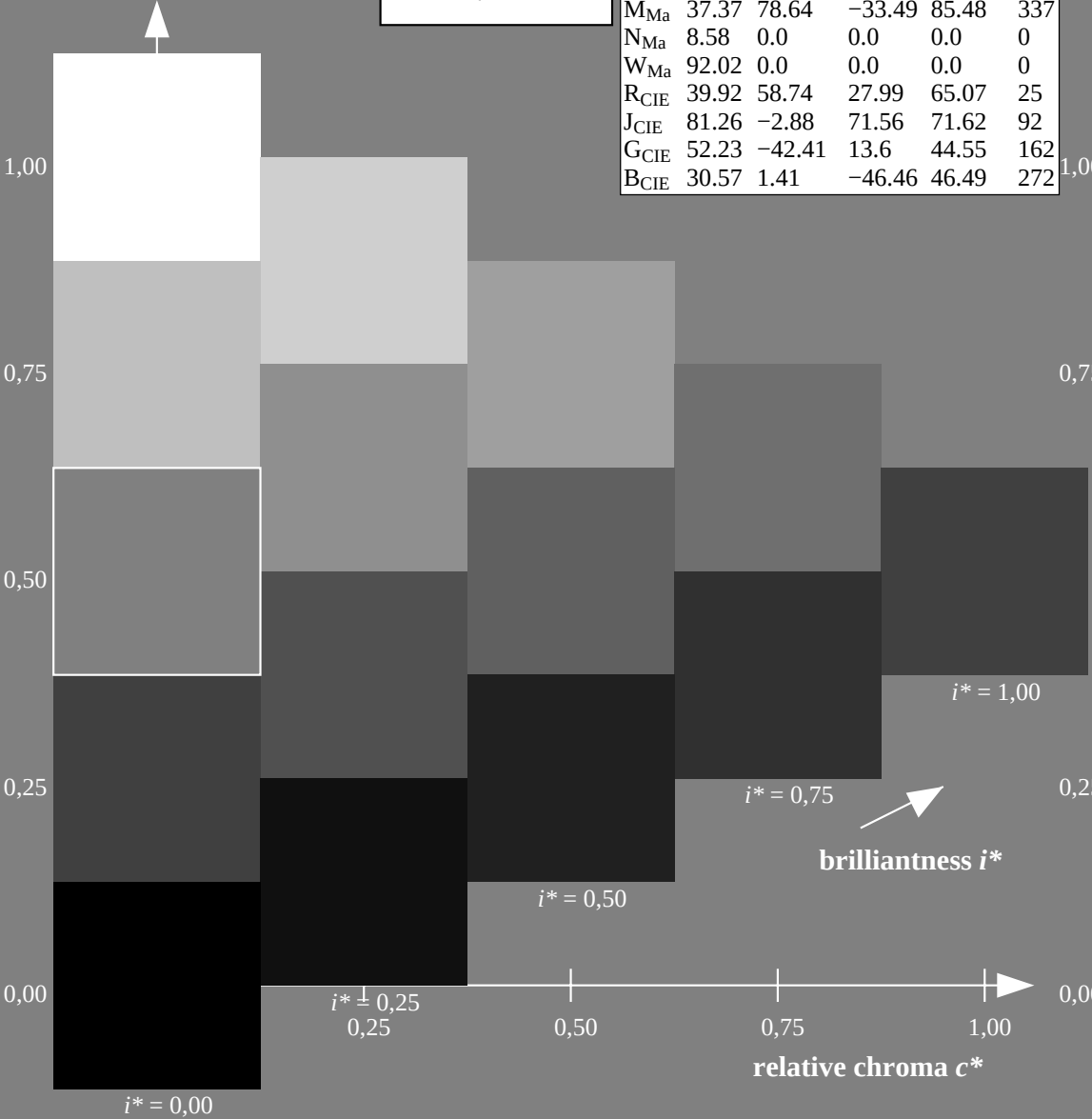


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

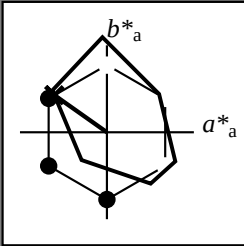
$LAB^*LAB^*Ma: 54 \ -47 \ 63$   
 $LAB^*LCH^*Ma: 54 \ 80 \ 127$   
 $lab^*rgb^*Ma: 0.5 \ 1.0 \ 0.0$   
 $lab^*olv^*Ma: 0.25 \ 1.0 \ 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j75g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

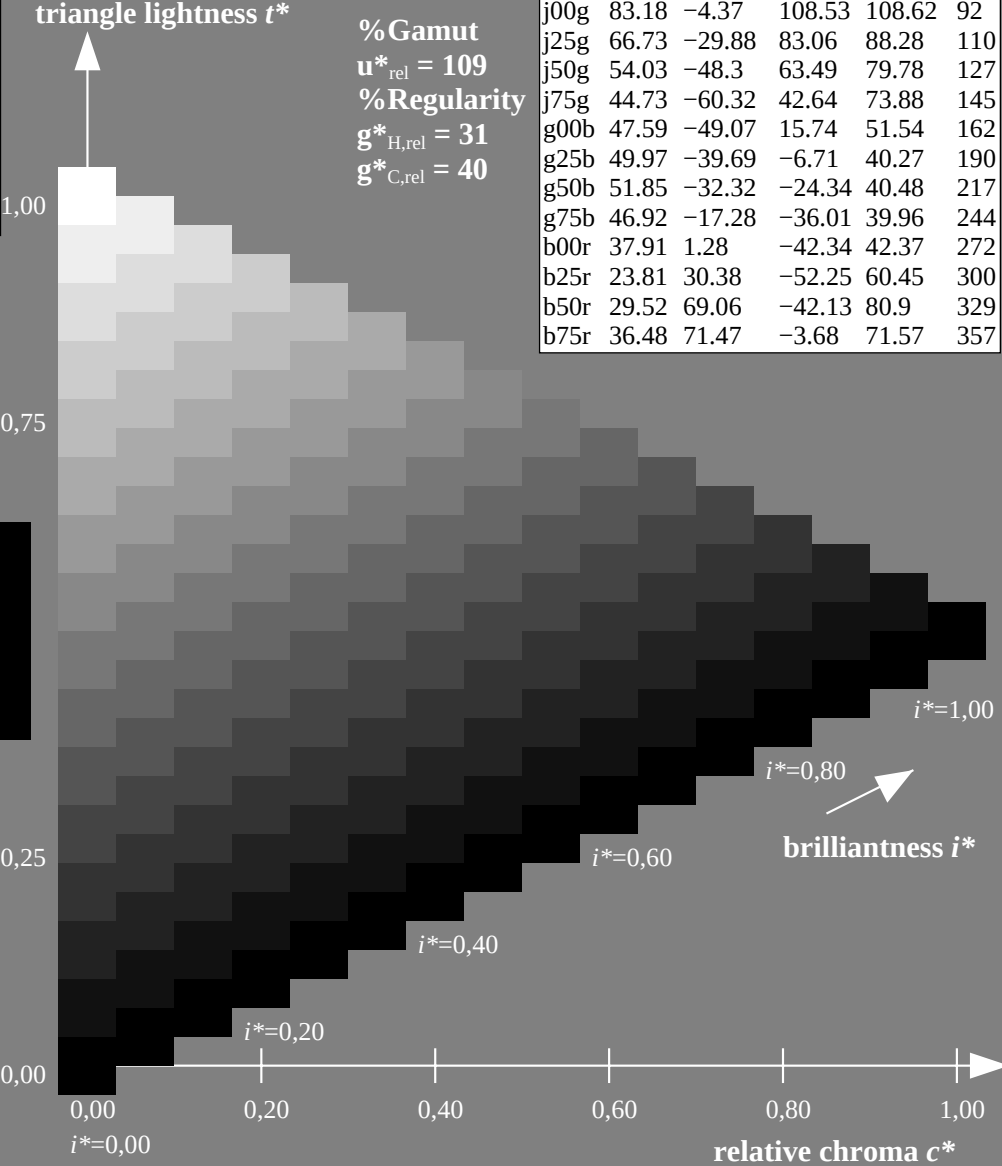
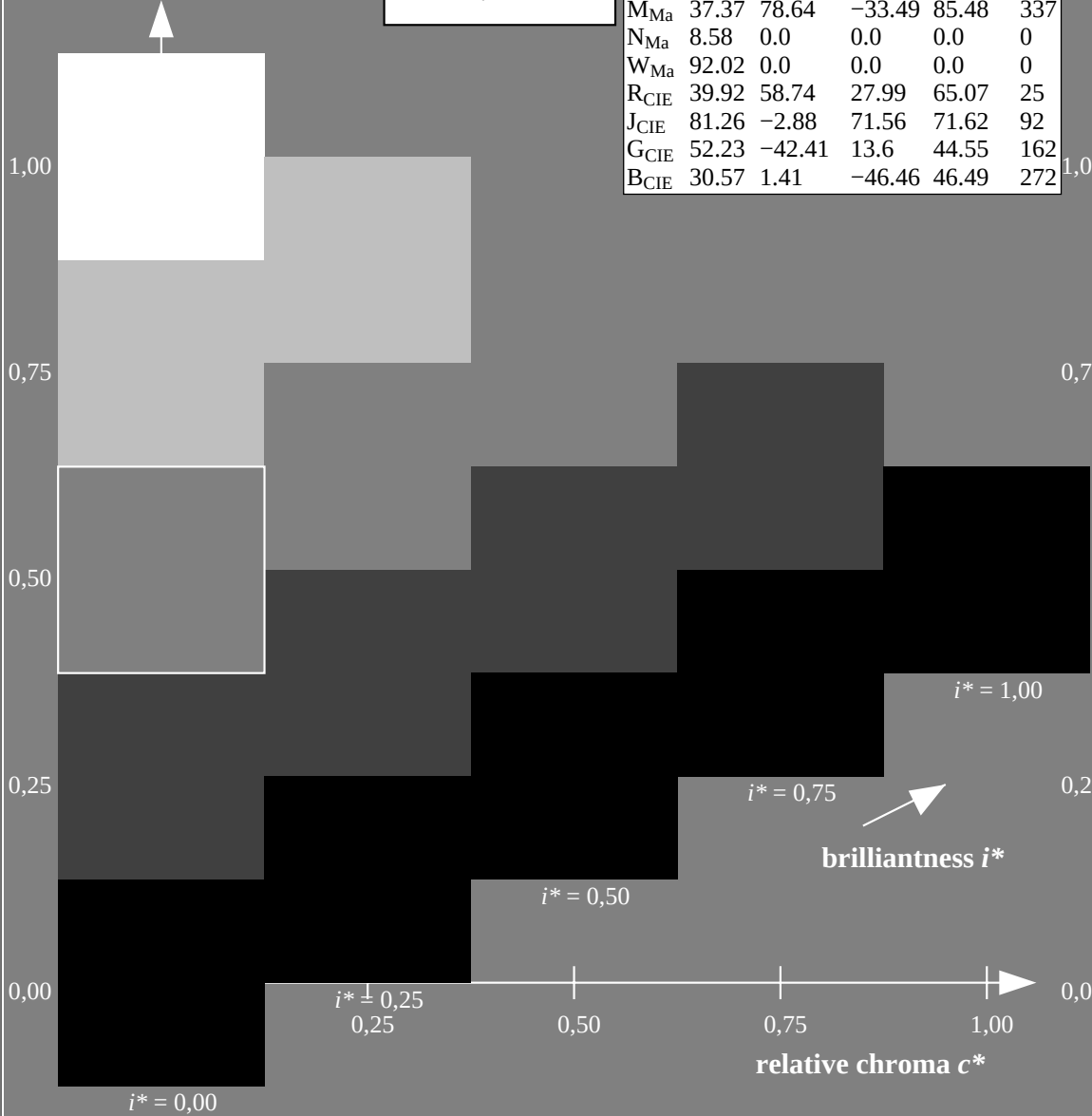


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

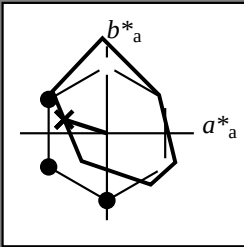
$LAB^*LAB^*Ma$ : 45 -59 43  
 $LAB^*LCH^*Ma$ : 45 74 145  
 $lab^*rgb^*Ma$ : 0.25 1.0 0.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.07

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g00b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

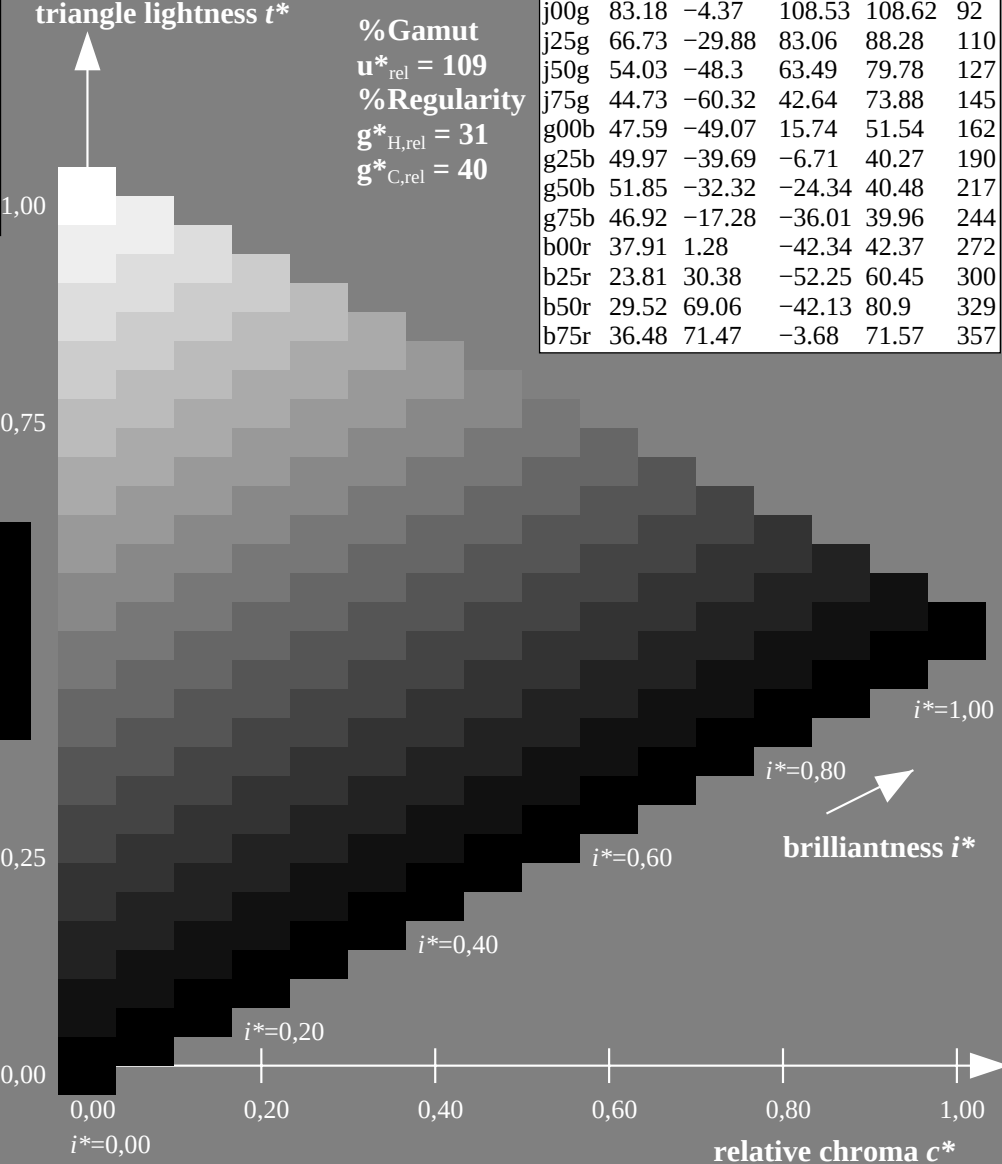
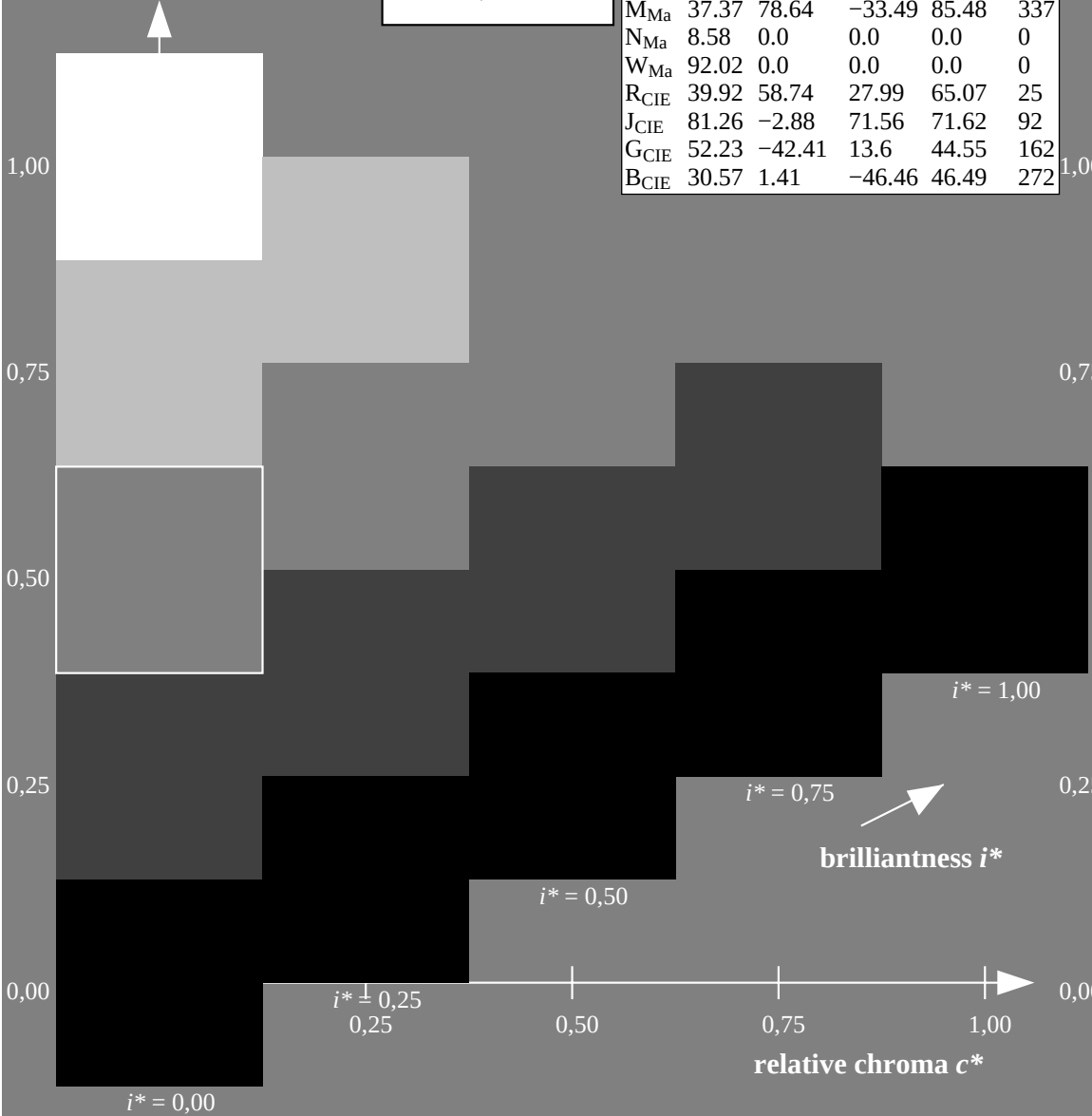


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

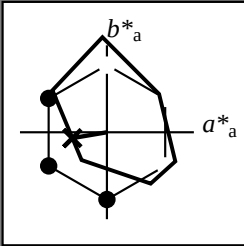
$LAB^*LAB^*Ma$ : 48 -48 16  
 $LAB^*LCH^*Ma$ : 48 52 162  
 $lab^*rgb^*Ma$ : 0.0 1.0 0.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.41

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g25b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$



| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 50 \ -39 \ -6$   
 $LAB^*LCH^*Ma: 50 \ 40 \ 190$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.5$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.69$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |

triangle lightness  $t^*$

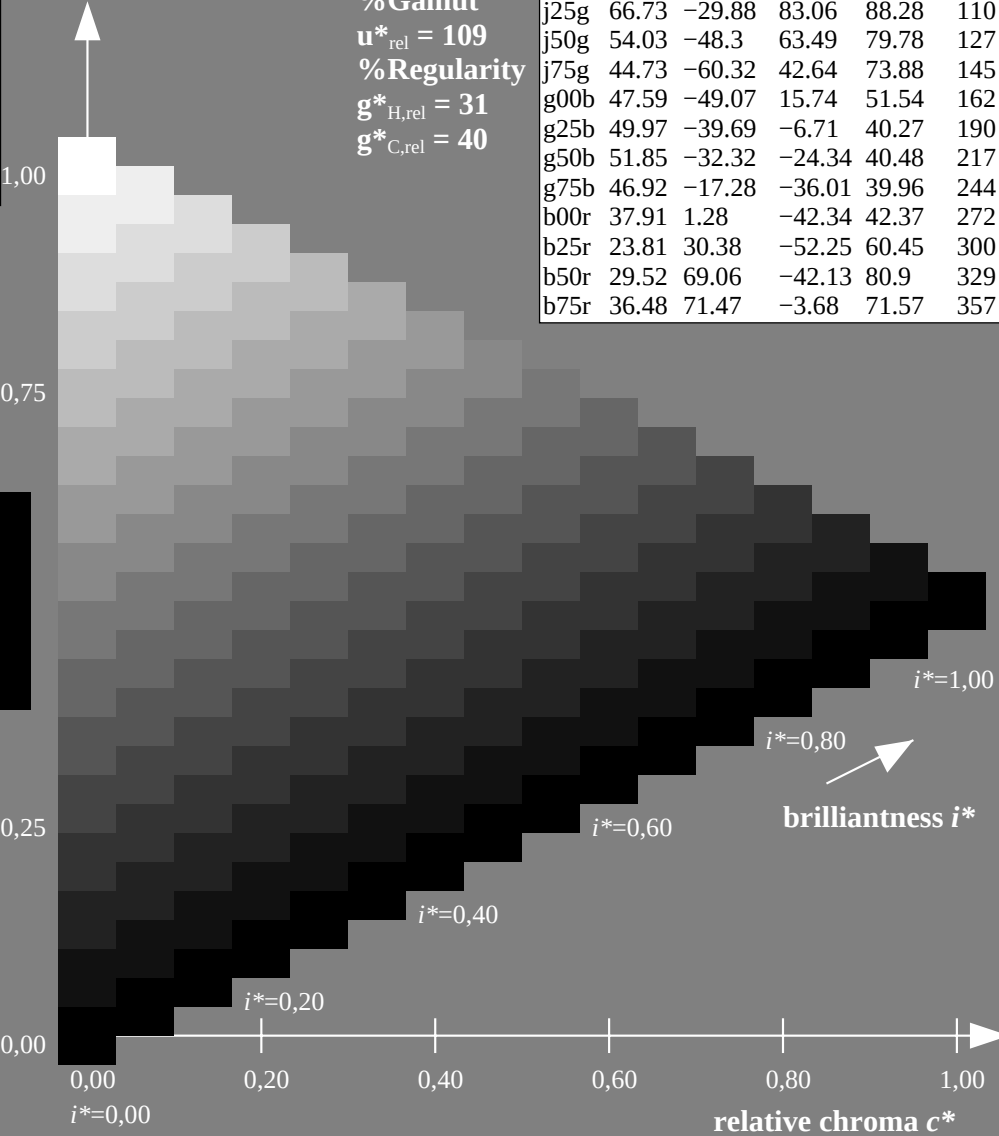
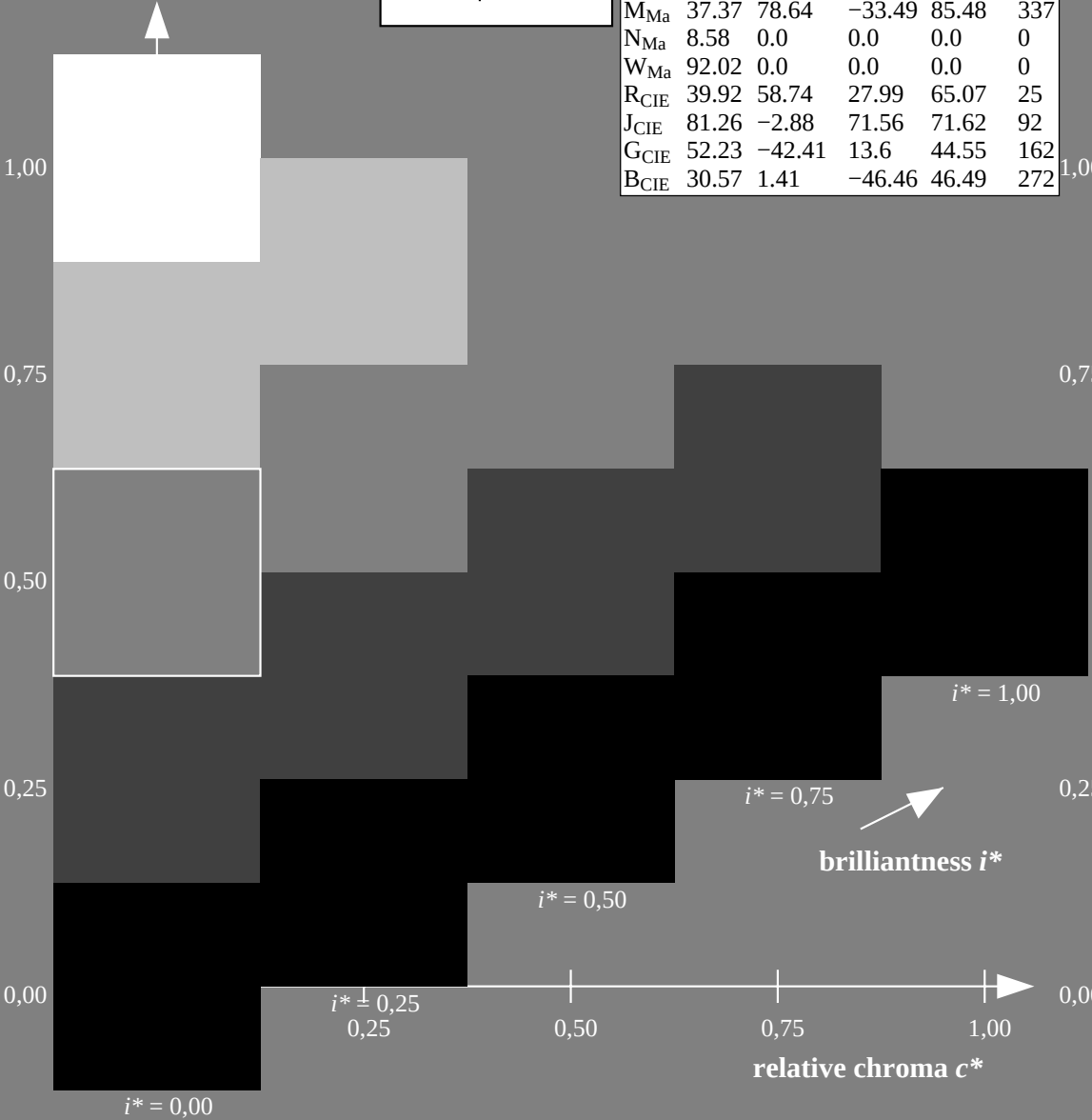
% Gamut

$u^*_{rel} = 109$

% Regularity

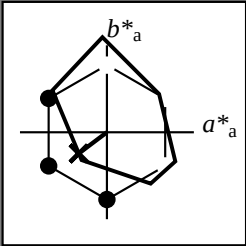
$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g50b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

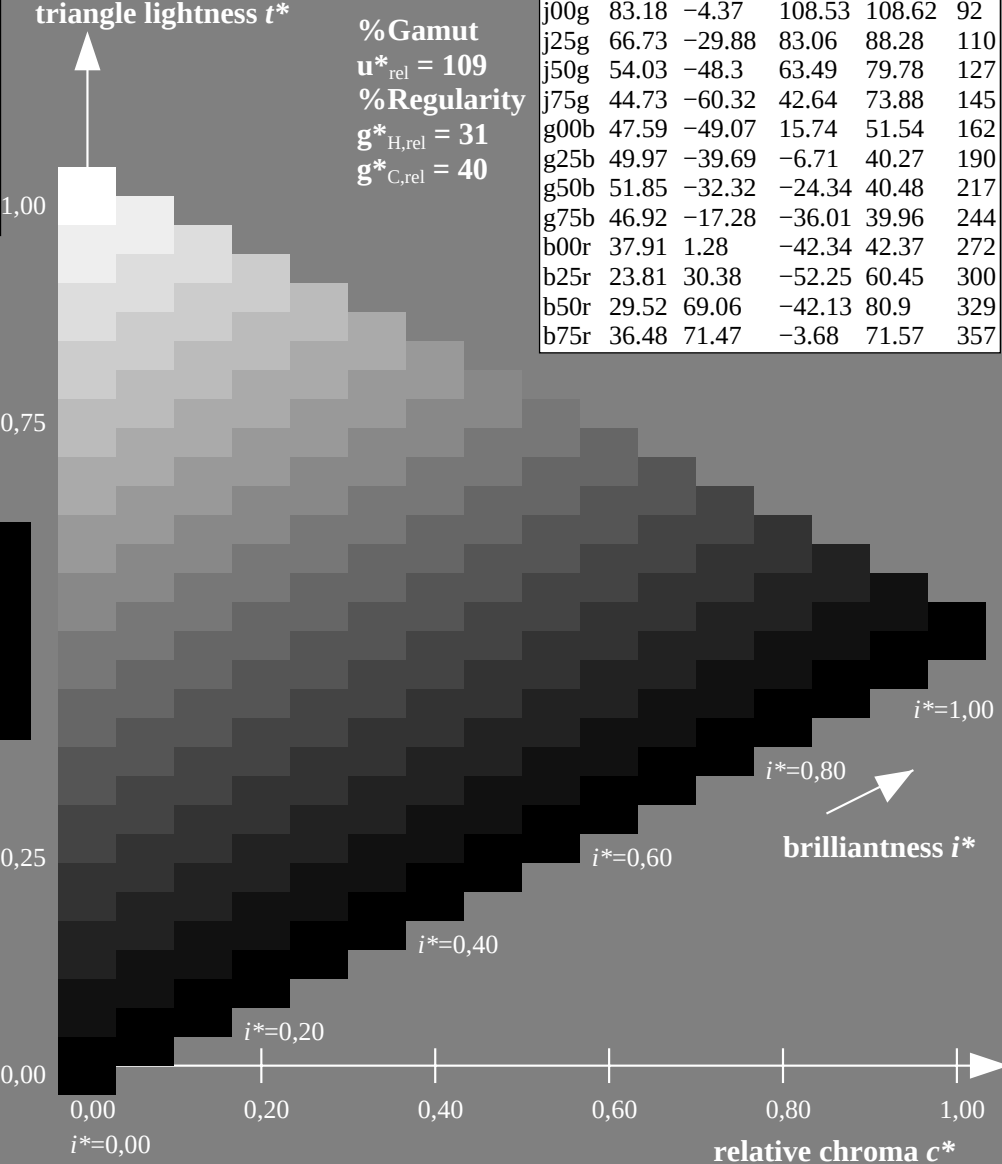
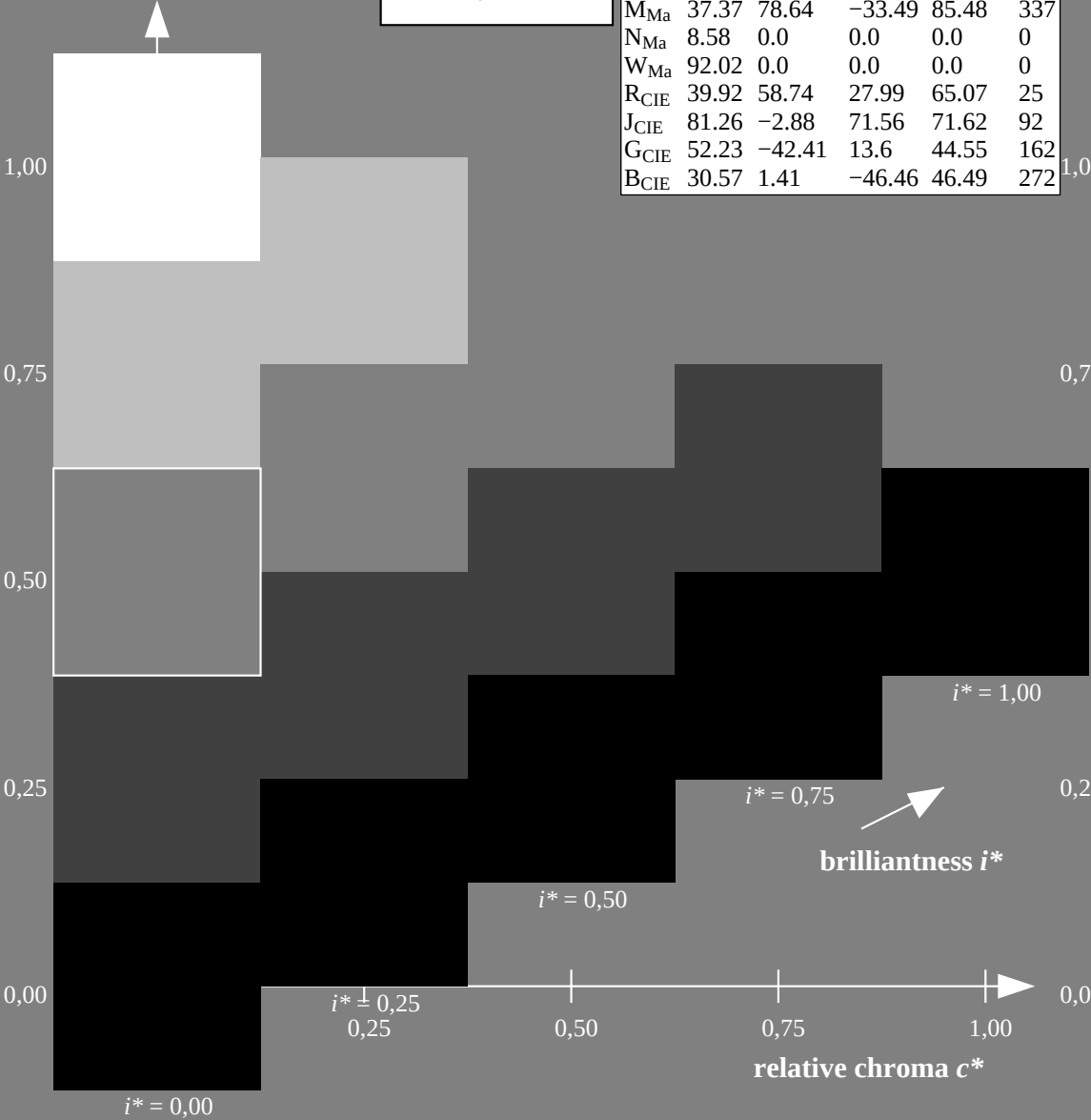


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 52 -31 -23  
 $LAB^*LCH^*Ma$ : 52 40 217  
 $lab^*rgb^*Ma$ : 0.0 1.0 1.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.9

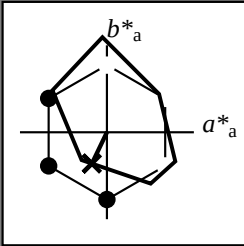
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g75b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

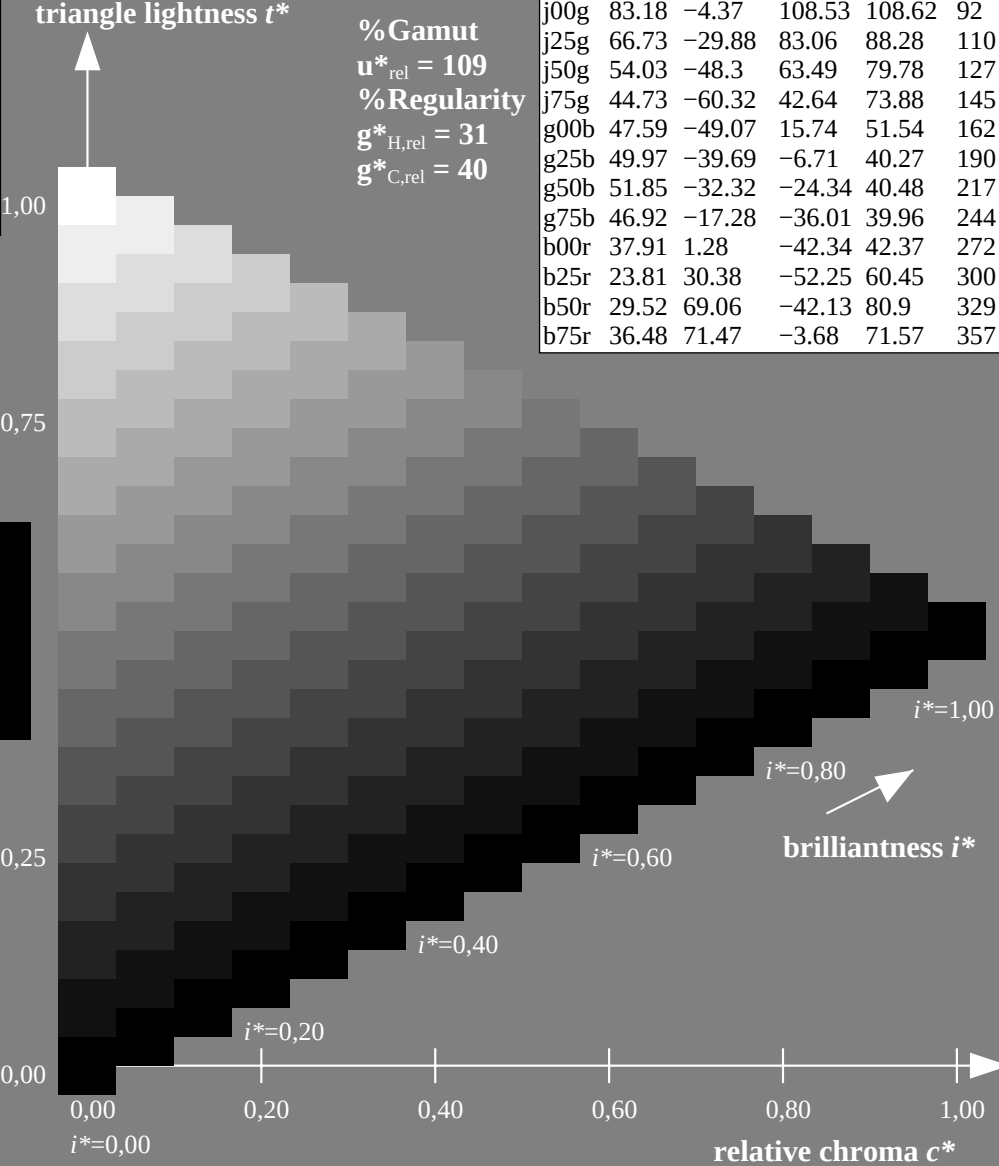
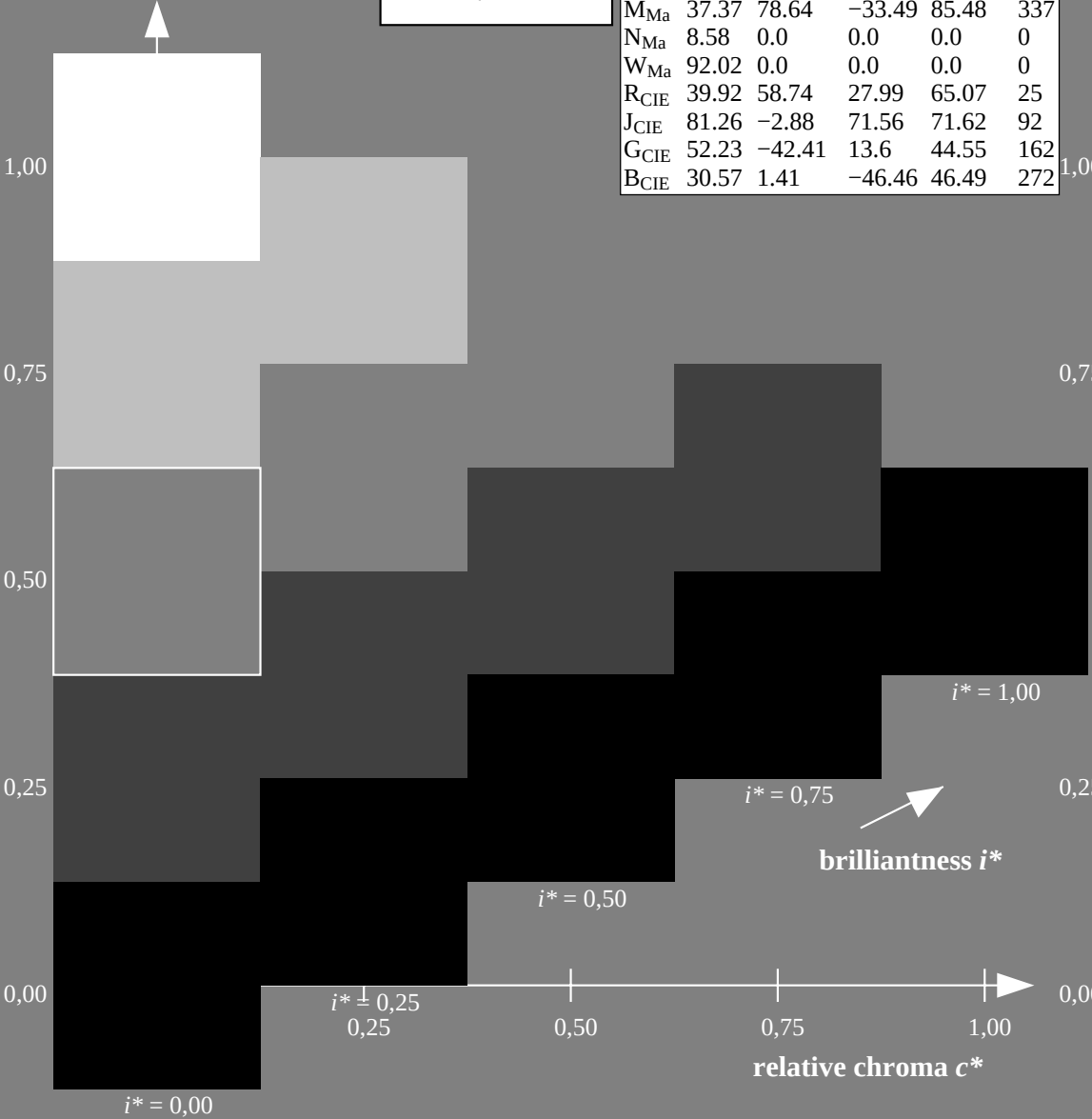


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

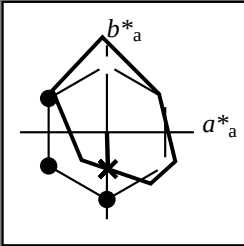
$LAB^*LAB^*Ma$ : 47 -16 -35  
 $LAB^*LCH^*Ma$ : 47 40 244  
 $lab^*rgb^*Ma$ : 0.0 0.5 1.0  
 $lab^*olv^*Ma$ : 0.0 0.85 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b00r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

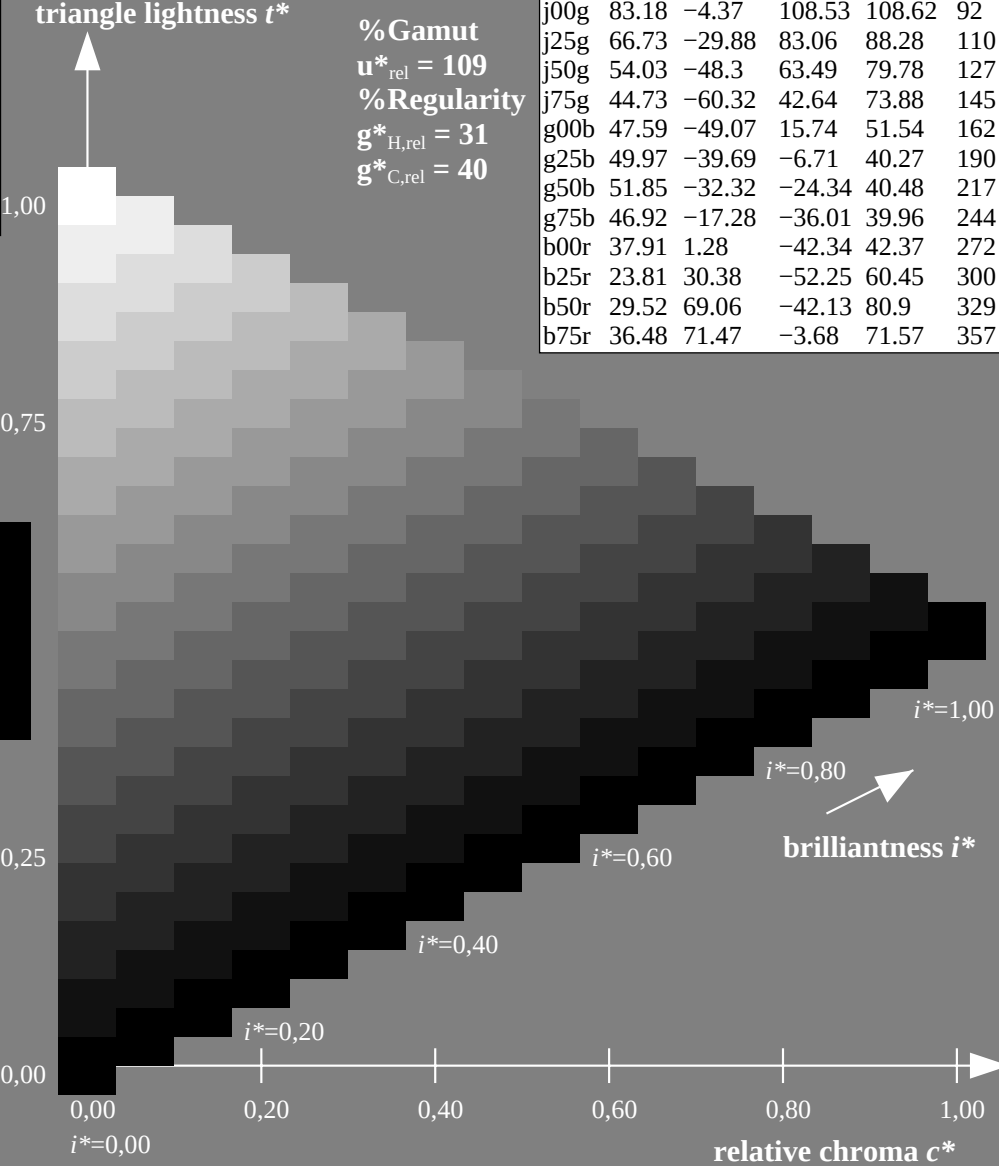
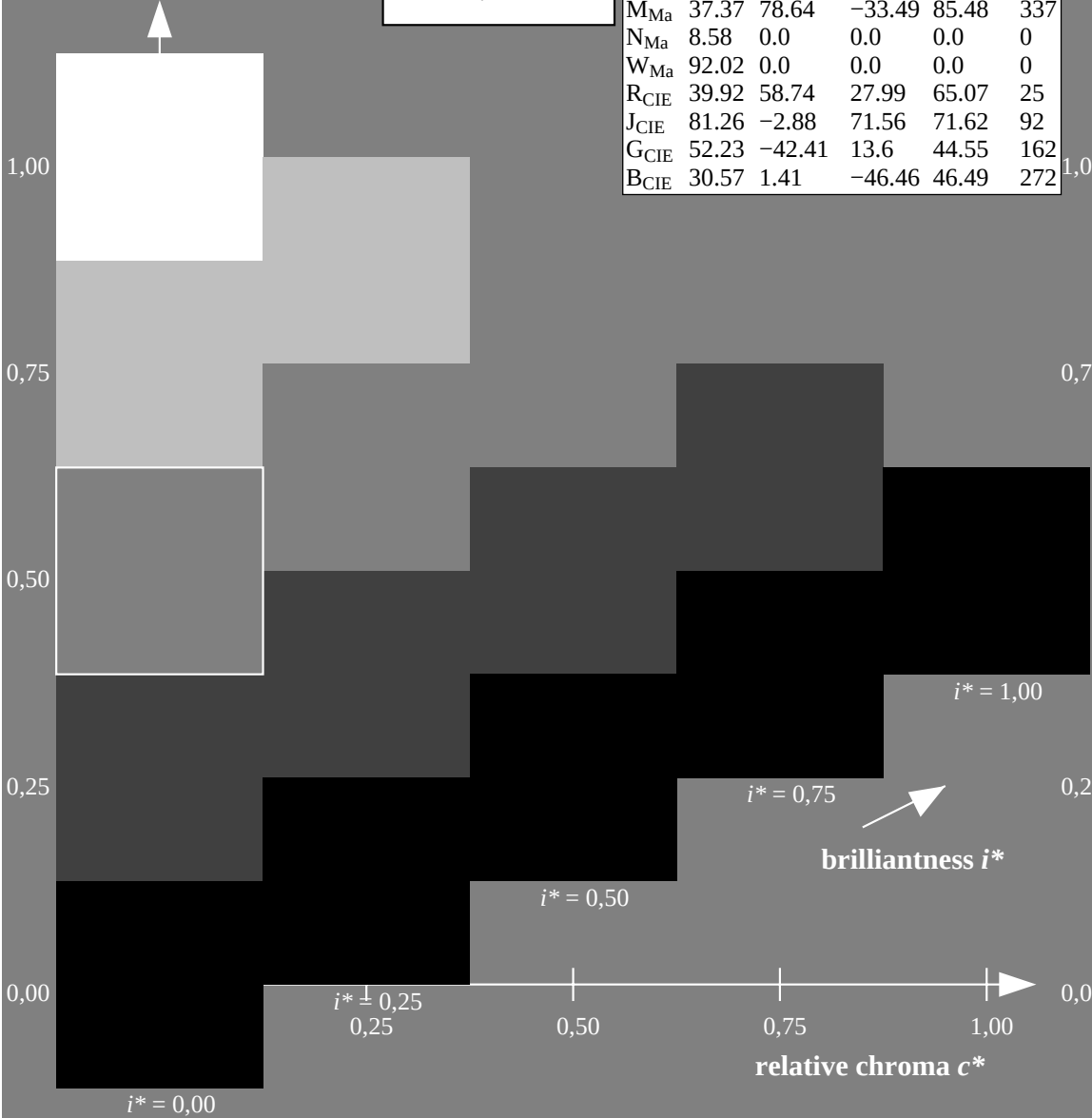


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

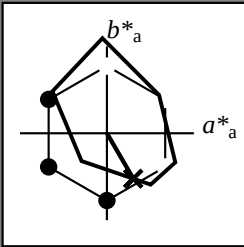
$LAB^*LAB^*Ma$ : 38 1 -41  
 $LAB^*LCH^*Ma$ : 38 42 272  
 $lab^*rgb^*Ma$ : 0.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.62 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b25r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

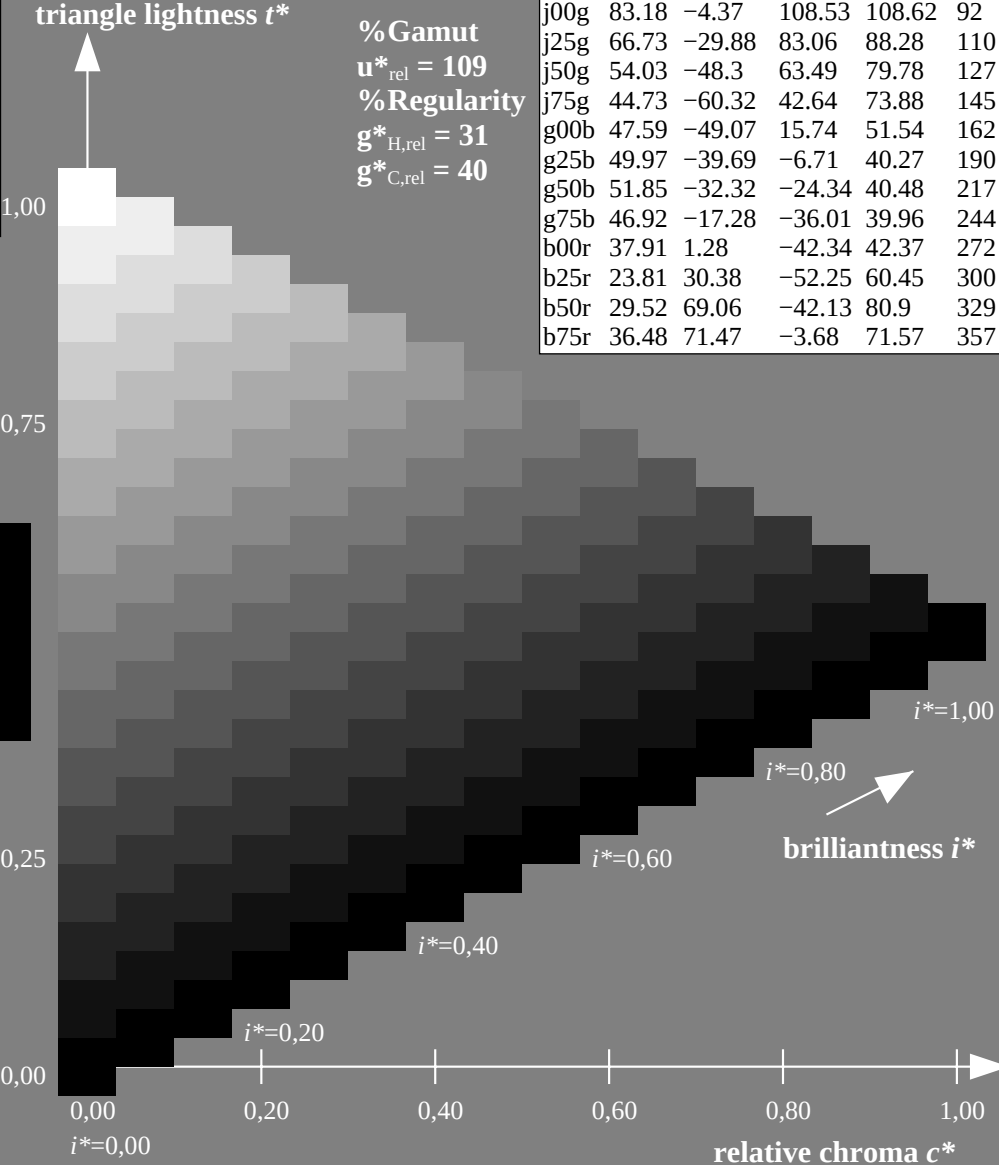
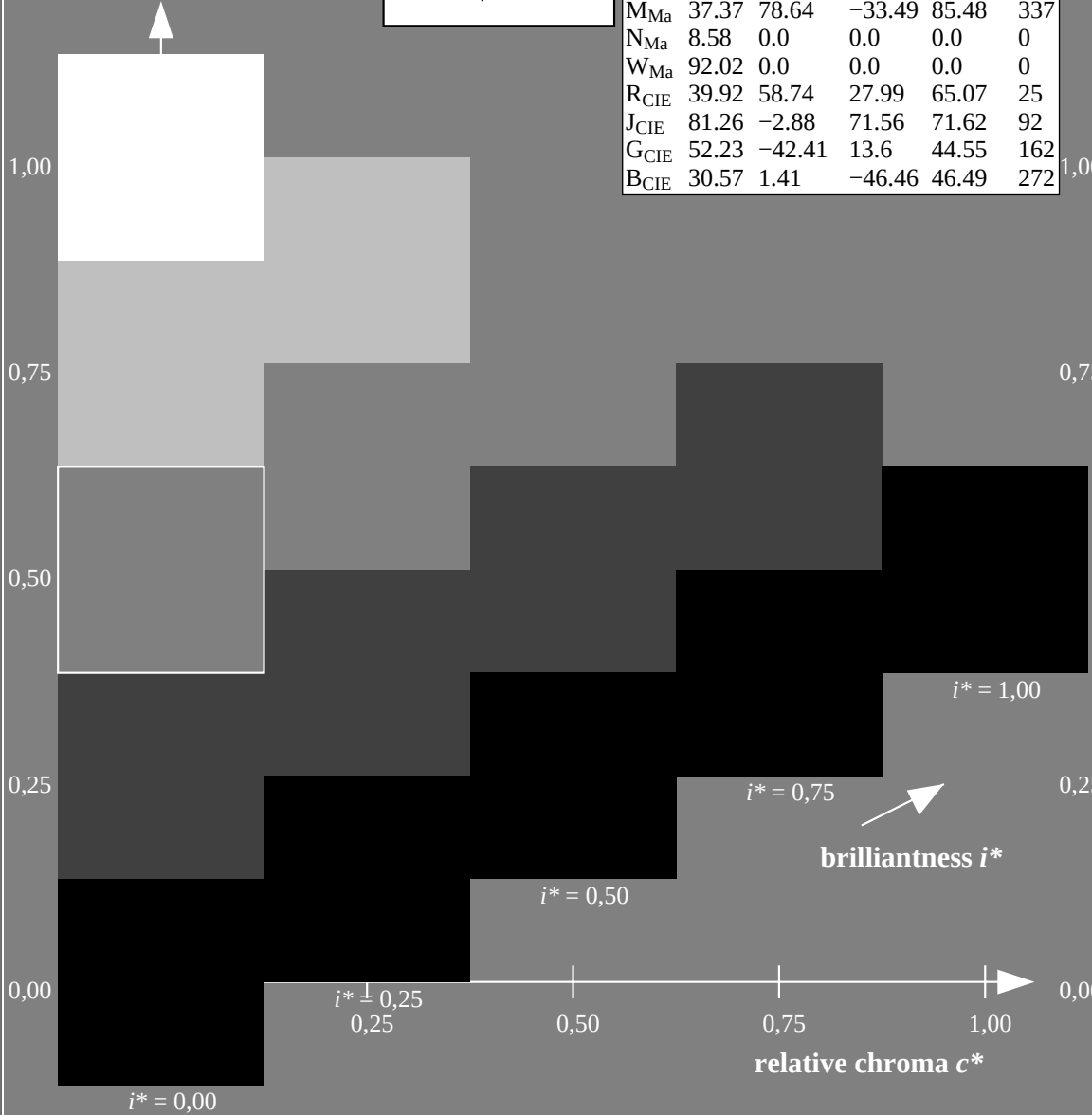


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

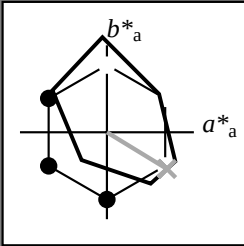
$LAB^*LAB^*Ma$ : 24 30 -51  
 $LAB^*LCH^*Ma$ : 24 60 300  
 $lab^*rgb^*Ma$ : 0.5 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.25 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b50r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

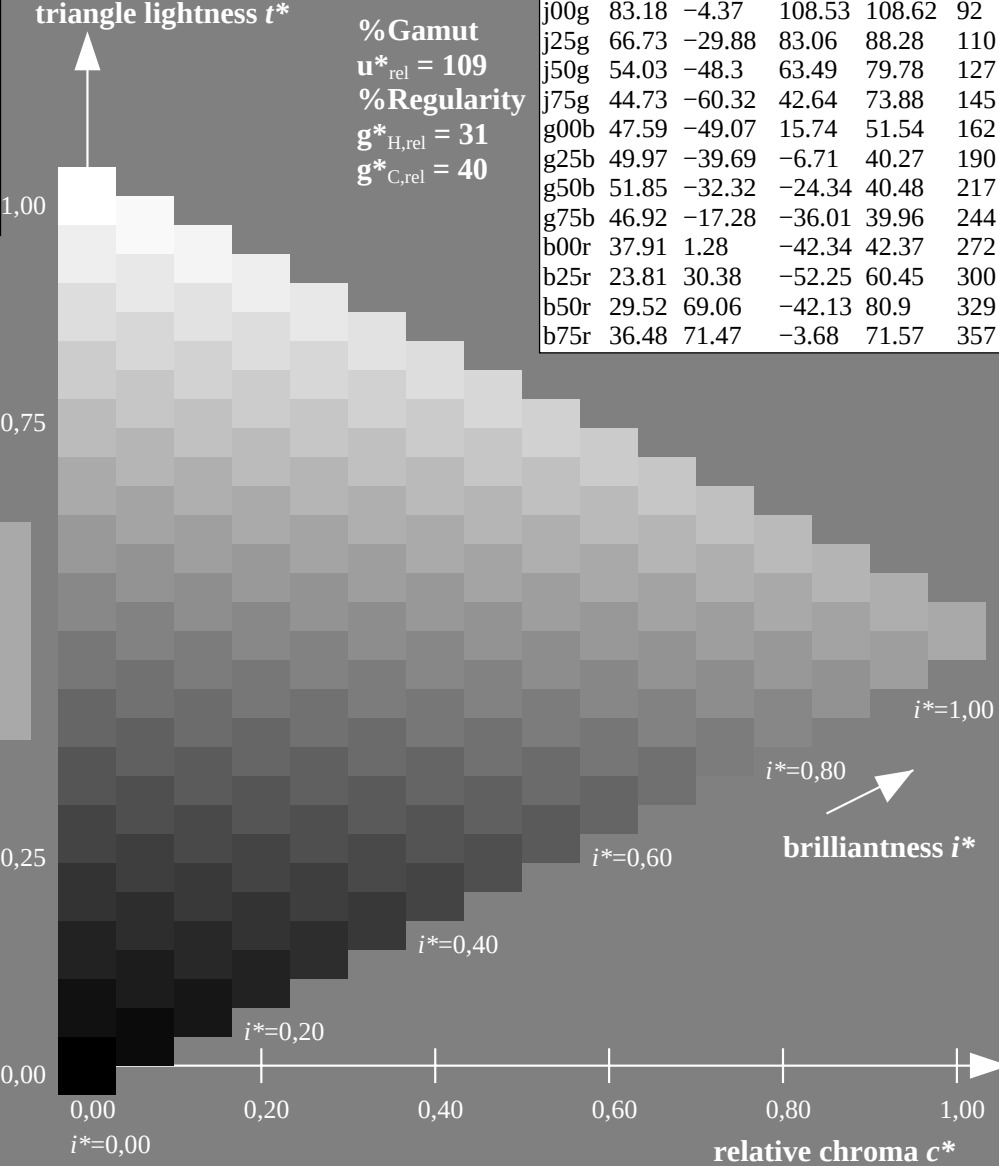
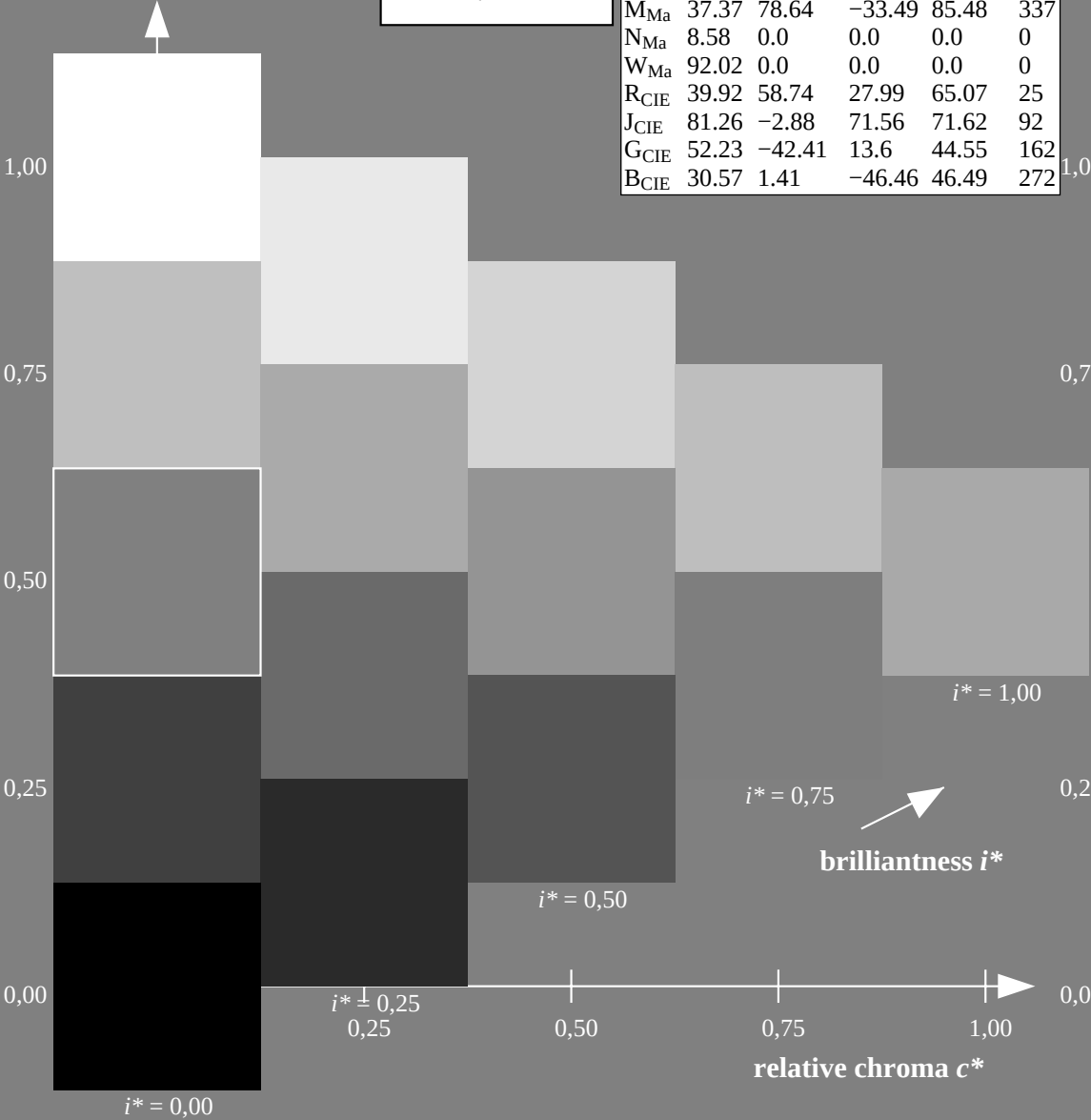


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

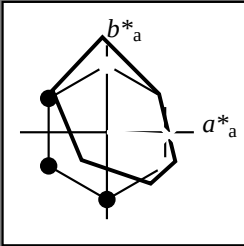
$LAB^*LAB^*Ma$ : 30 69 -41  
 $LAB^*LCH^*Ma$ : 30 81 329  
 $lab^*rgb^*Ma$ : 1.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.66 0.0 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b75r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

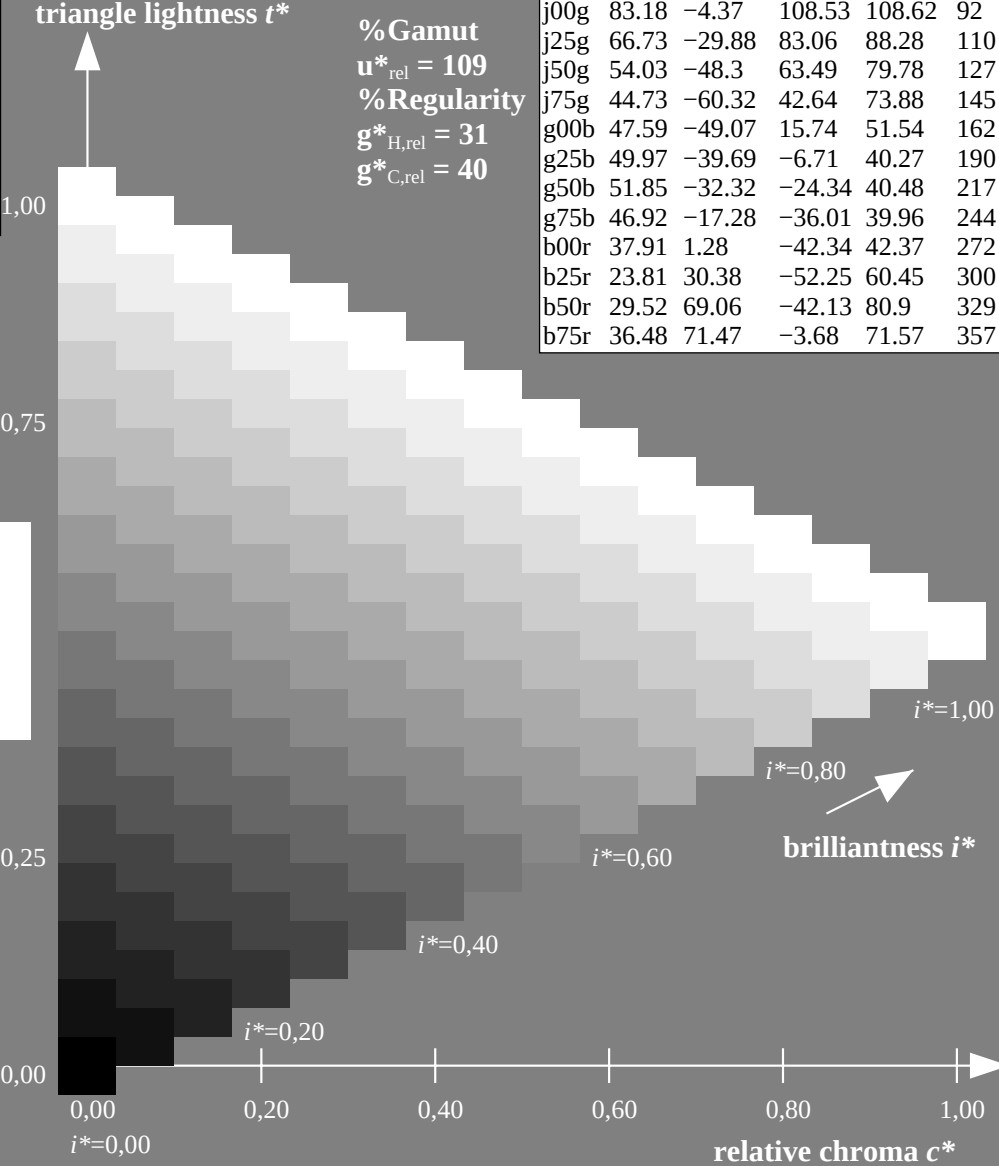
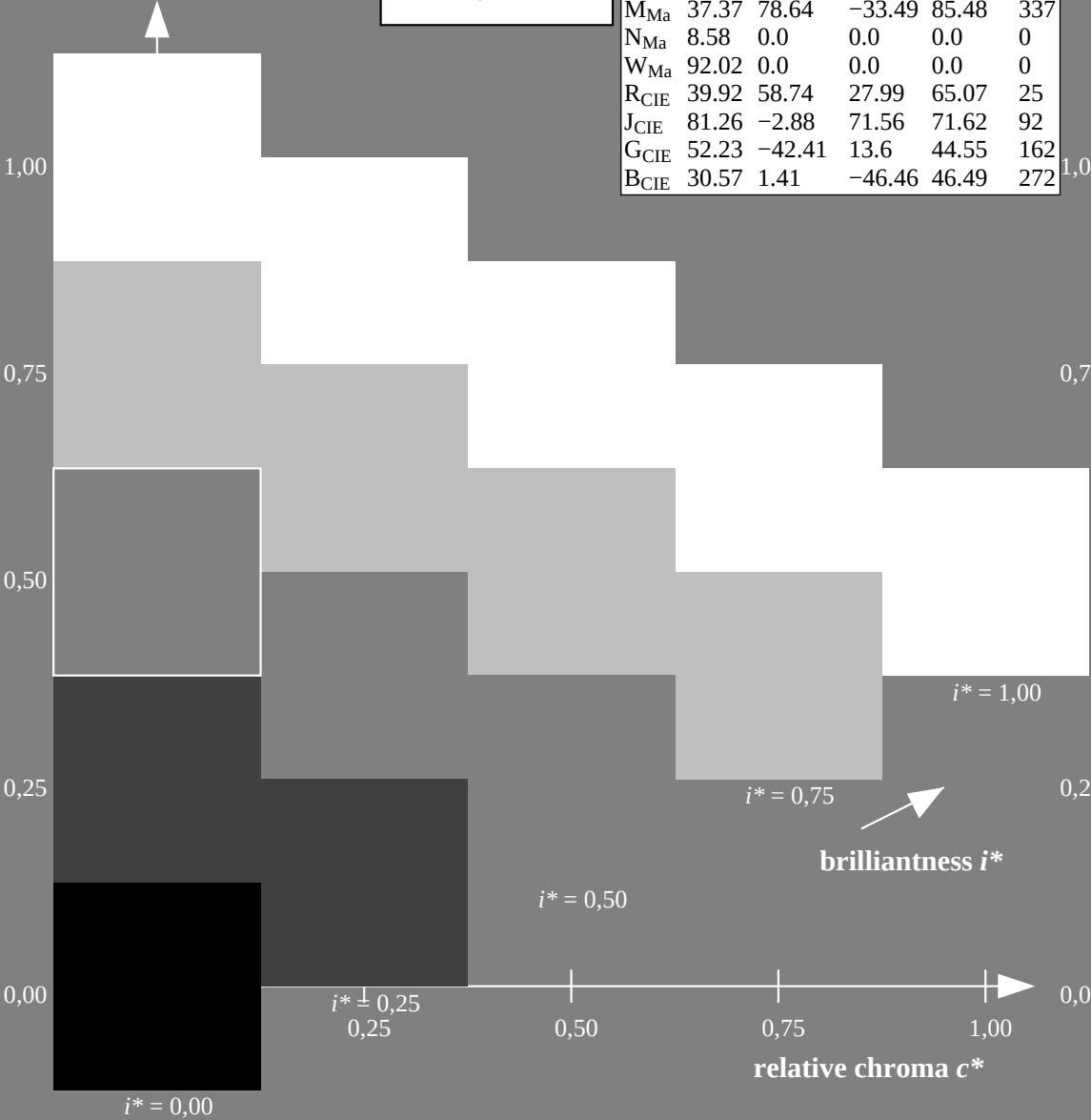


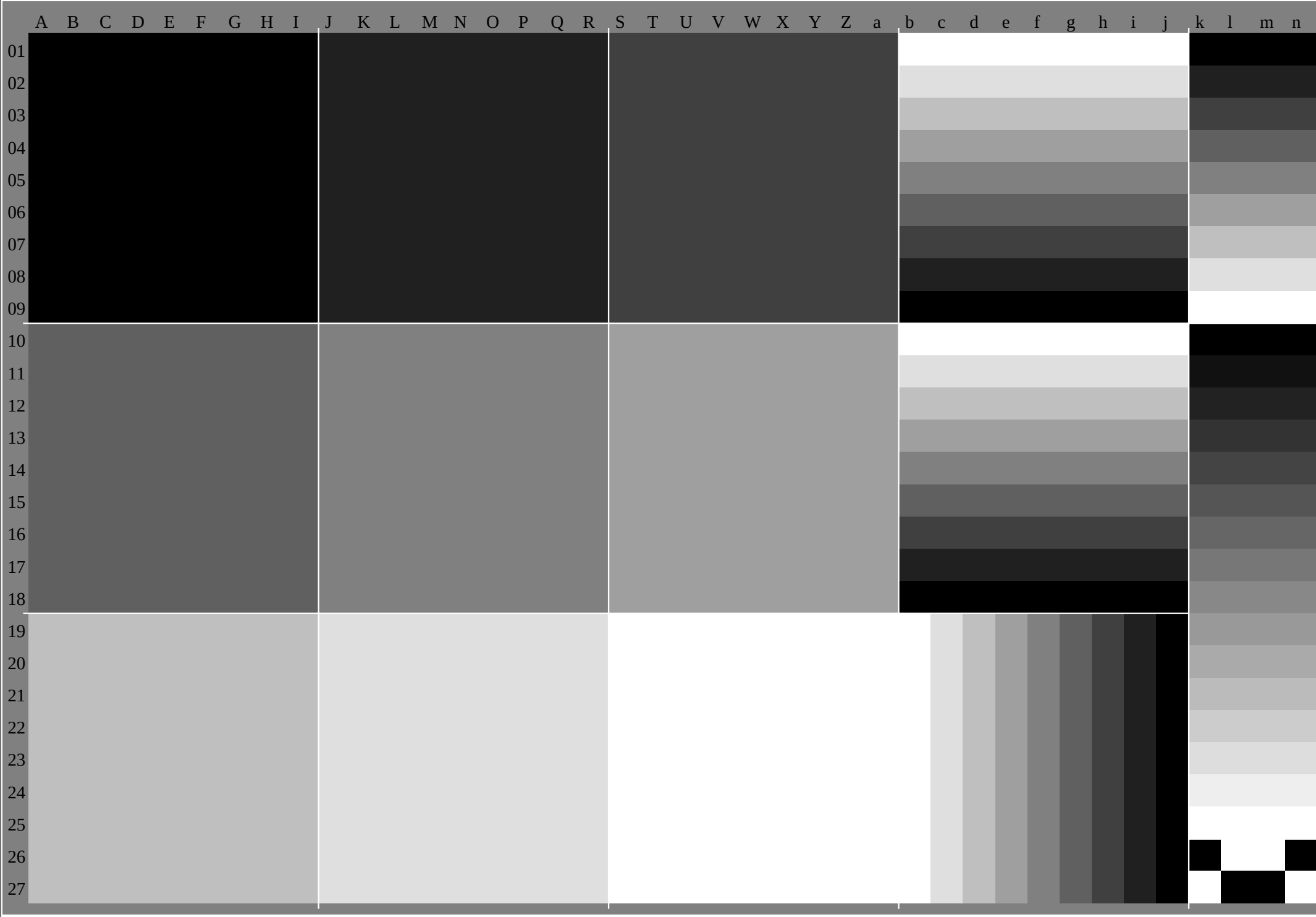
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 36 71 -3  
 $LAB^*LCH^*Ma$ : 36 72 357  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.5  
 $lab^*olv^*Ma$ : 1.0 0.0 0.62

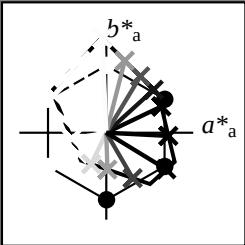
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





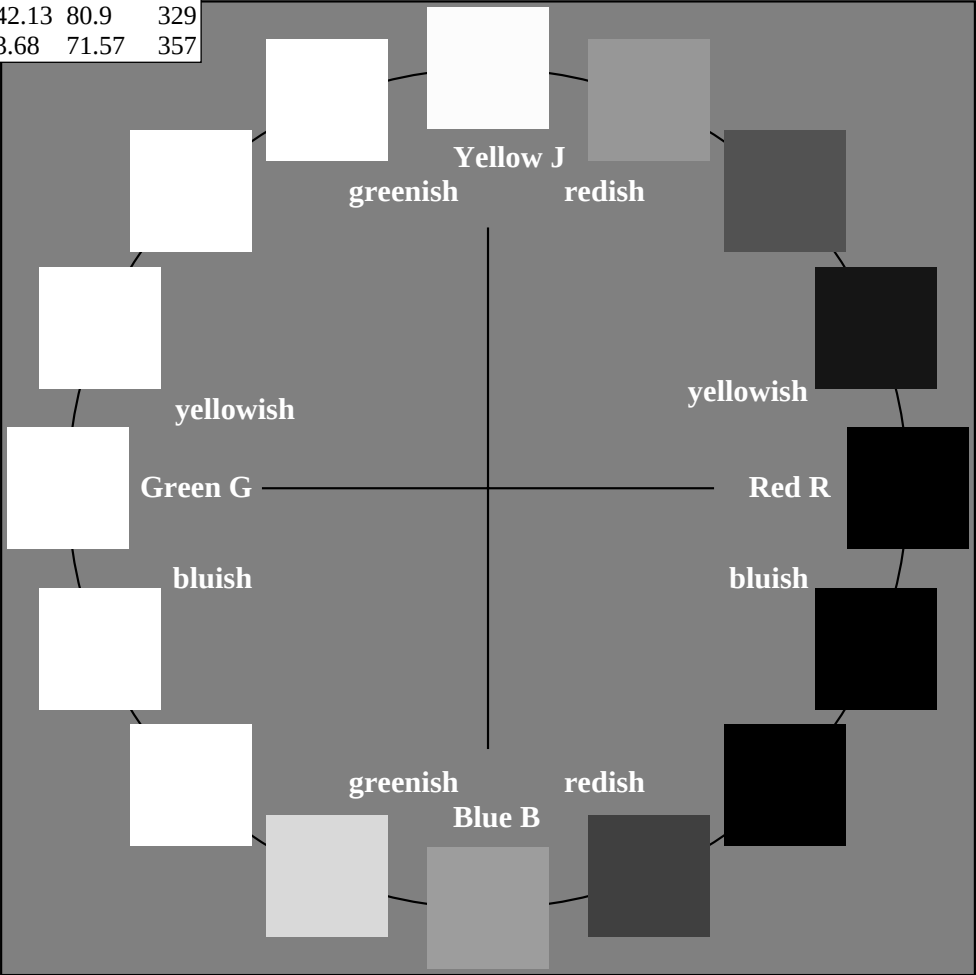
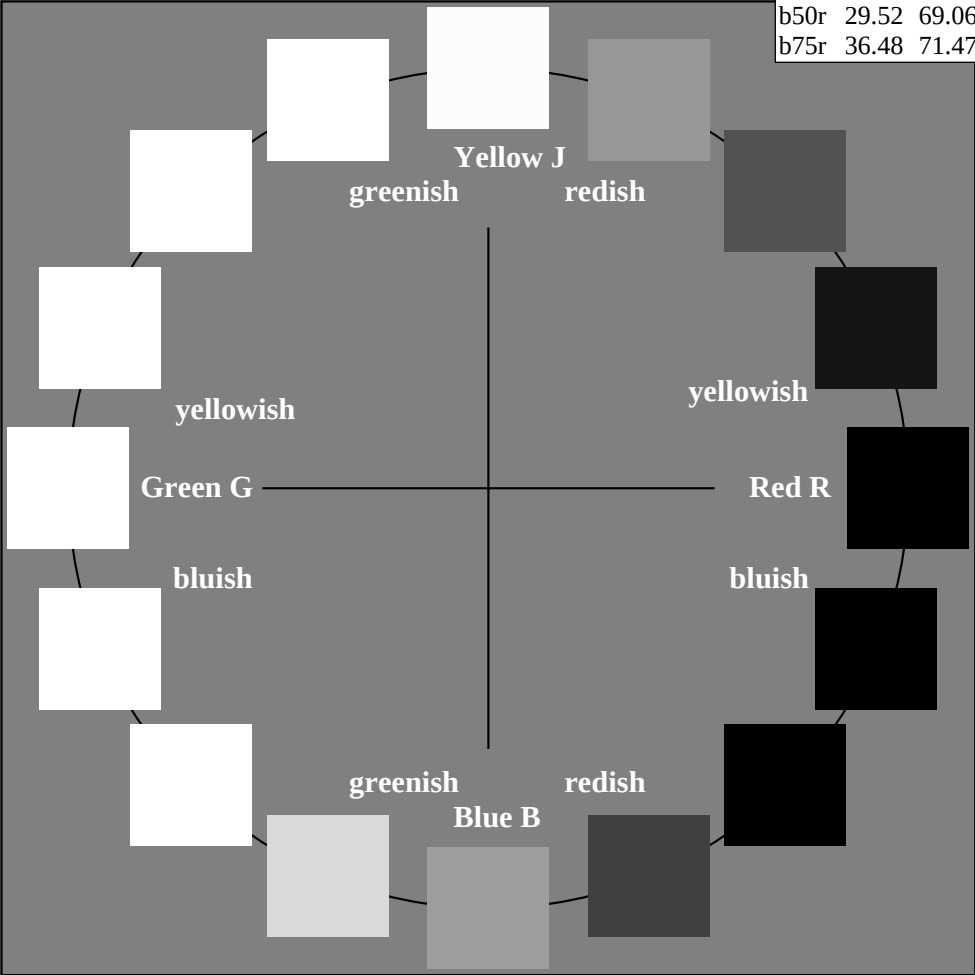
Input and output:  
Colorimetric Printer Reflective System FRS09\_92a  
data for any colour:  
*lab\*tch\* and lab\*icu\**  
elementary hue text:  
*u\* = 16 hues r00j, r25j, ..., b75r*  
contrast reduction factor:  
*c<sub>R</sub> = 1.0*

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



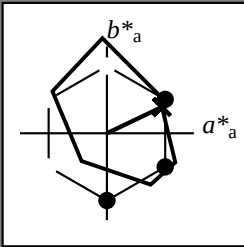
%Gamut  
 $u_{rel}^* = 109$   
%Regularity  
 $g_{H,rel}^* = 31$   
 $g_{C,rel}^* = 40$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r00j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

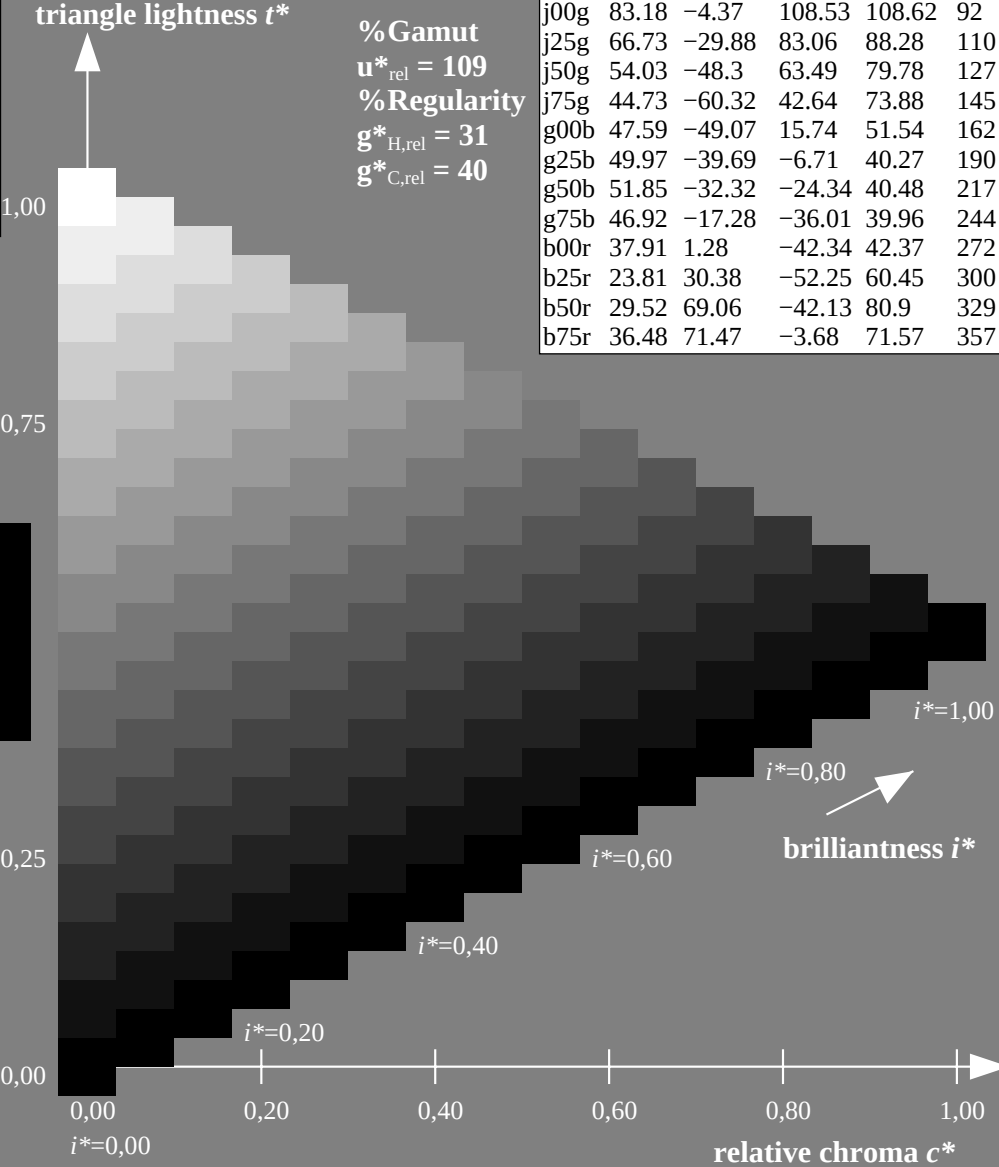
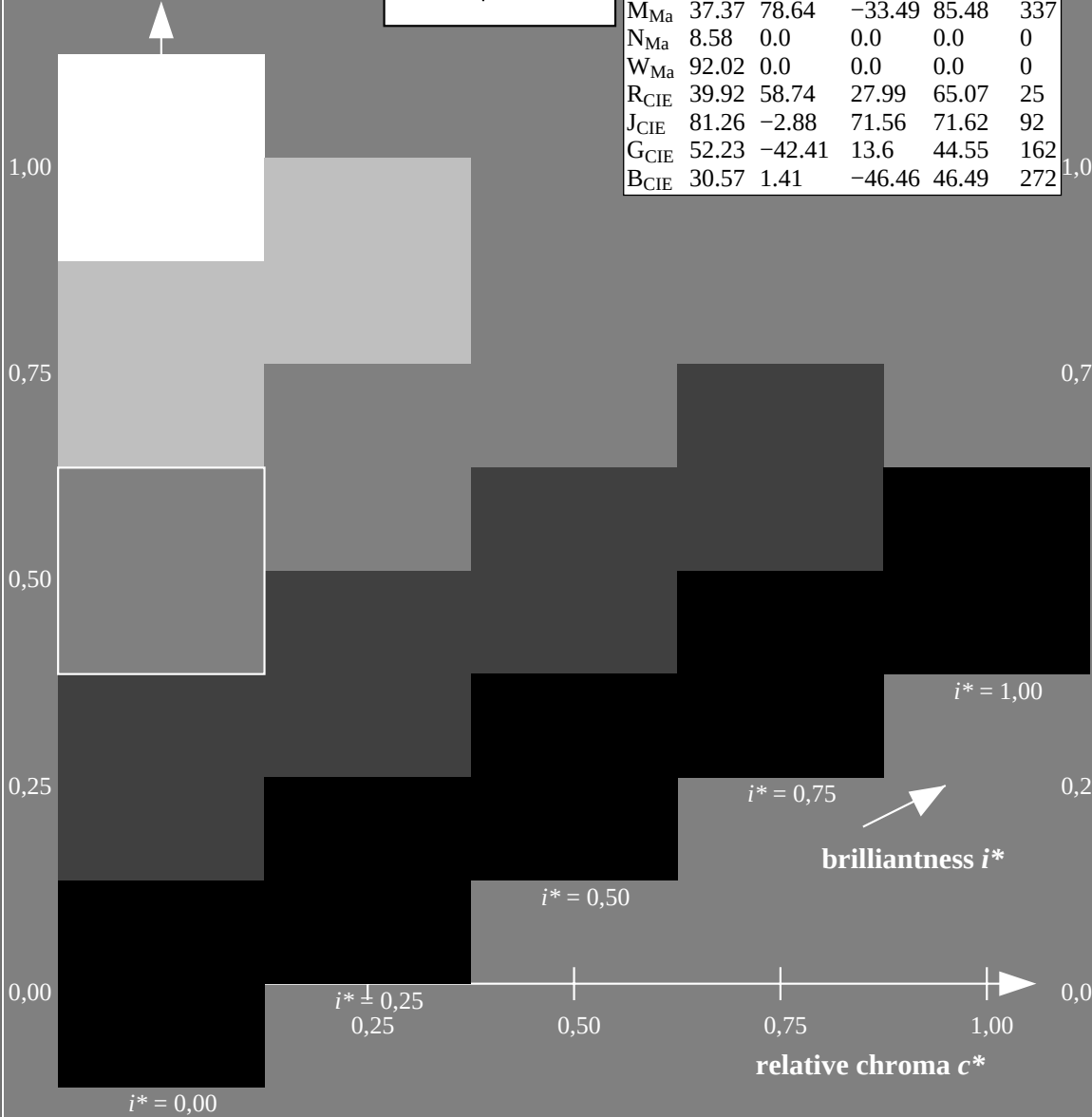


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 35 63 30  
 $LAB^*LCH^*Ma$ : 35 70 25  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.0 0.18

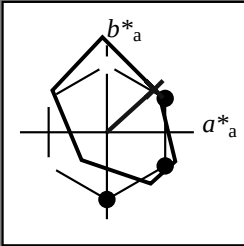
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r25j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

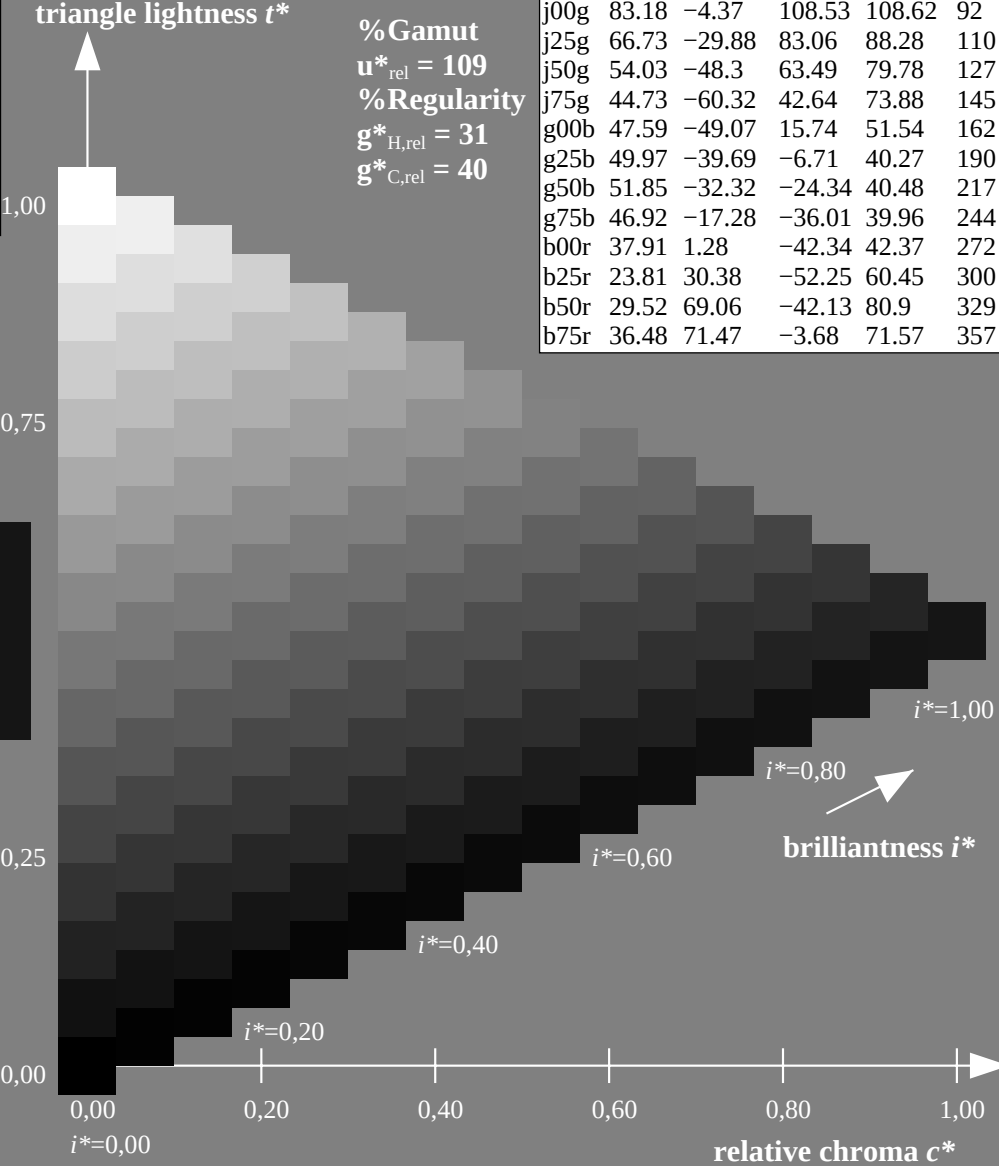
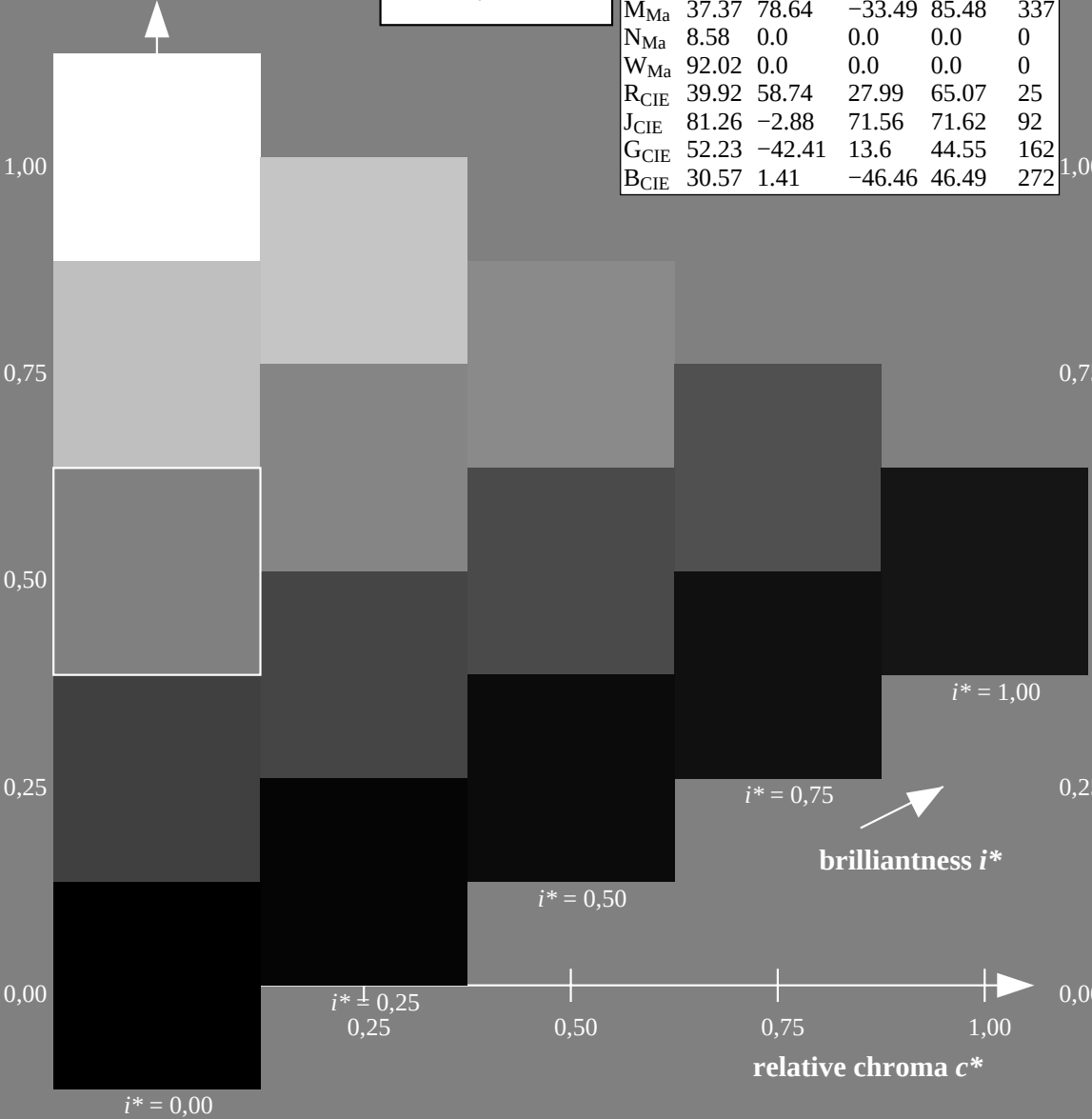


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

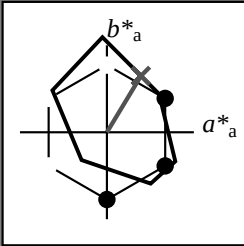
$LAB^*LAB^*Ma$ : 39 55 49  
 $LAB^*LCH^*Ma$ : 39 74 42  
 $lab^*rgb^*Ma$ : 1.0 0.25 0.0  
 $lab^*olv^*Ma$ : 1.0 0.08 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r50j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

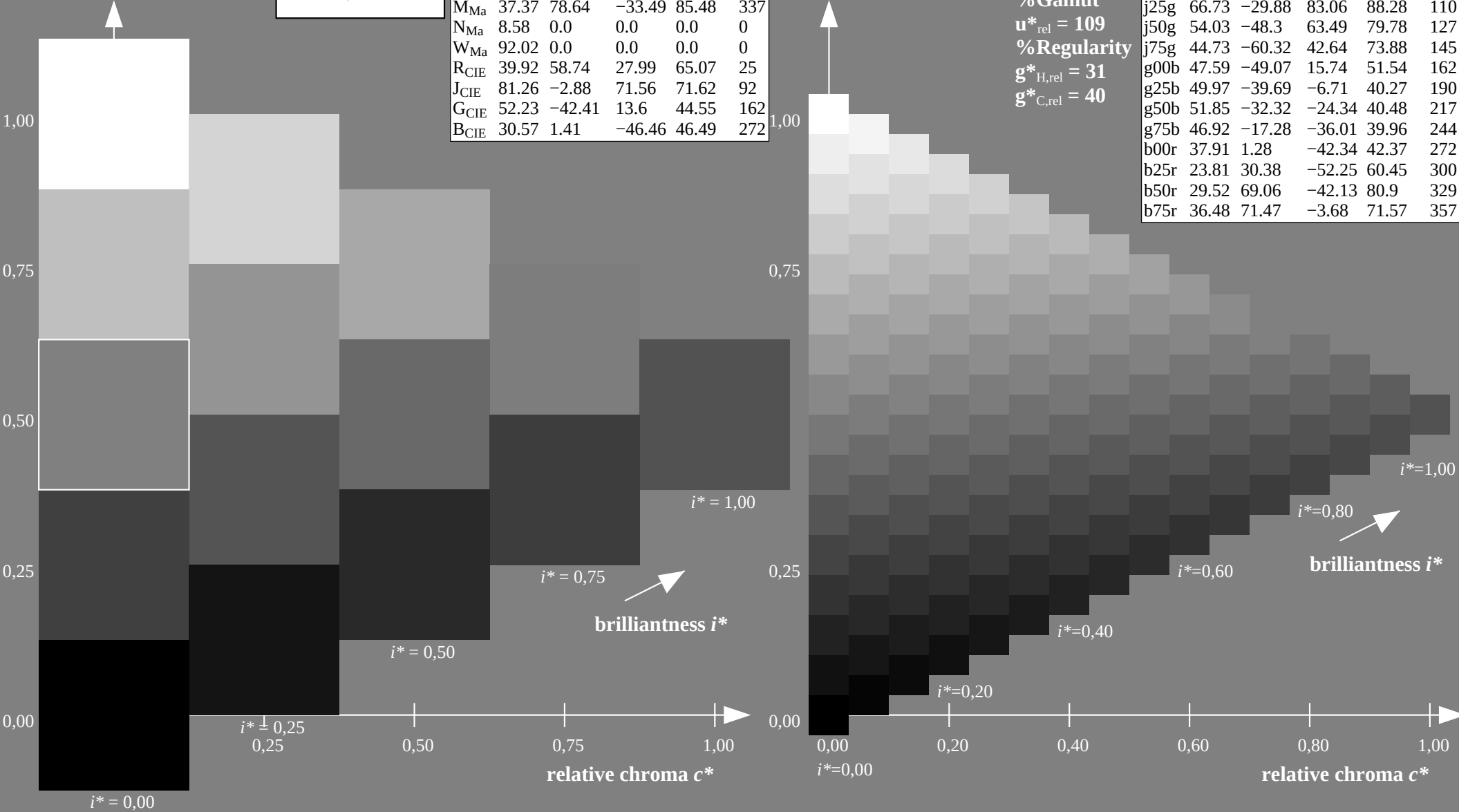


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

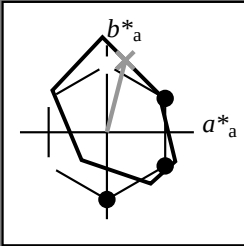
$LAB^*LAB^*Ma$ : 51 39 65  
 $LAB^*LCH^*Ma$ : 51 76 59  
 $lab^*rgb^*Ma$ : 1.0 0.5 0.0  
 $lab^*olv^*Ma$ : 1.0 0.32 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$  data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r75j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

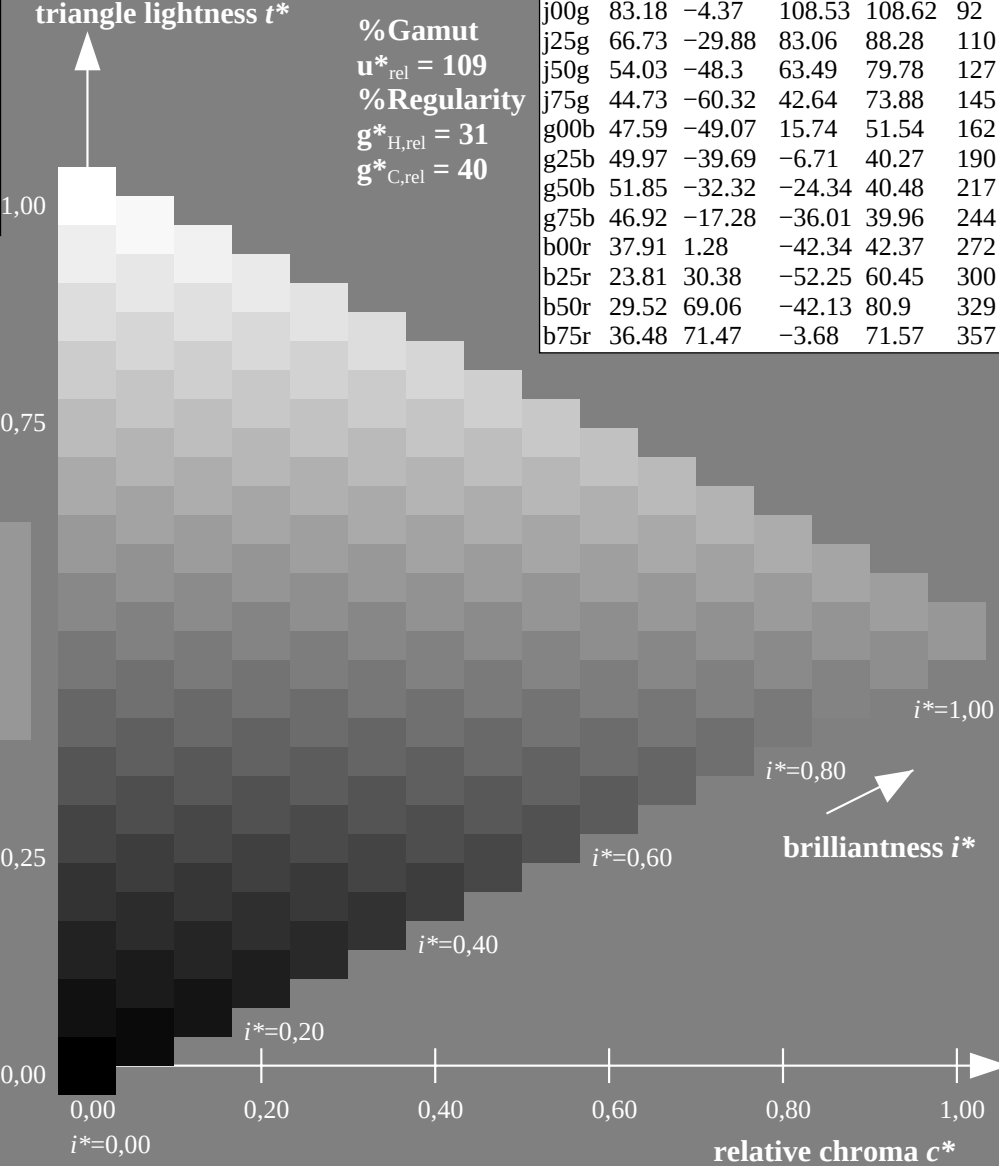
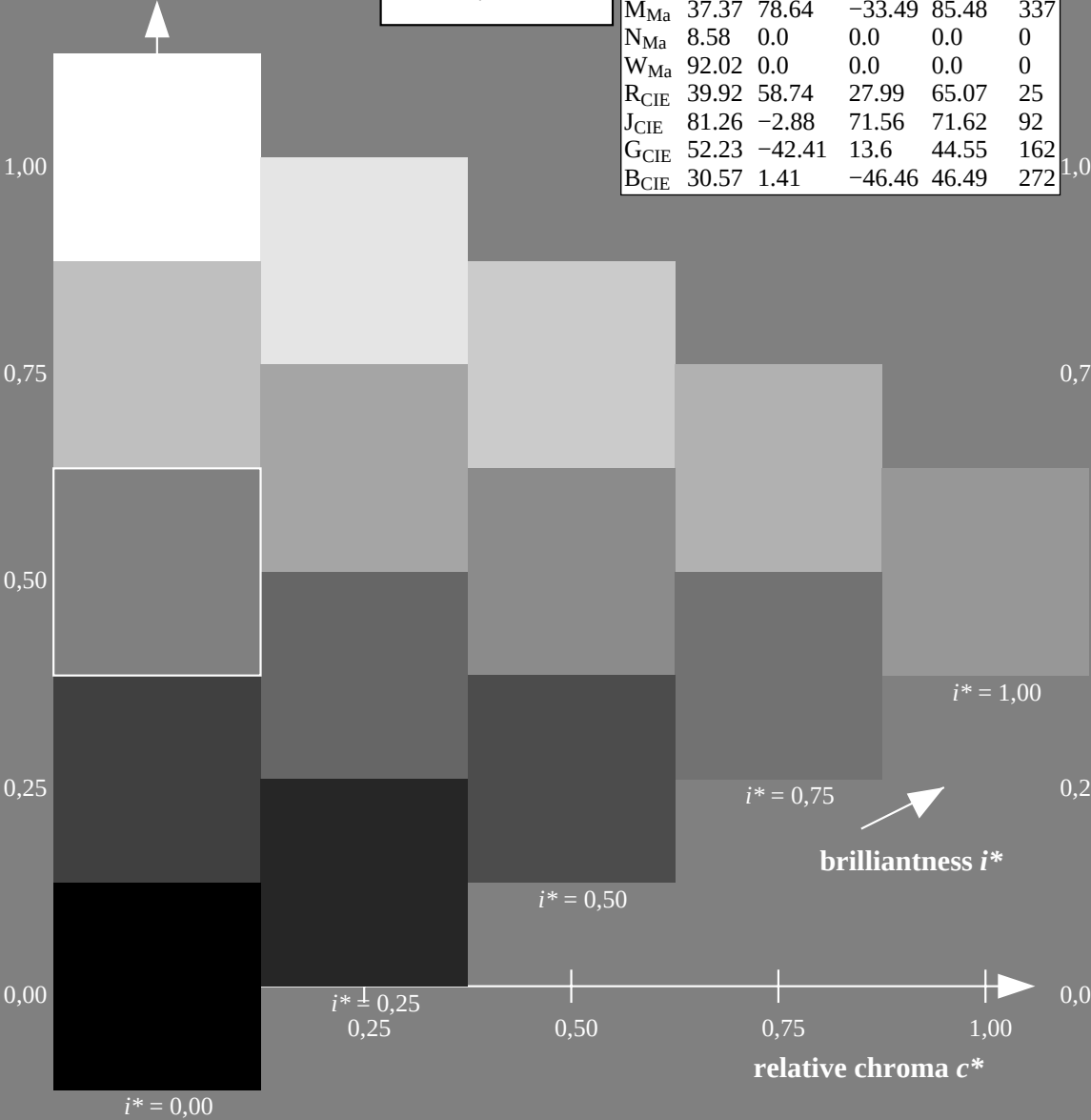


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

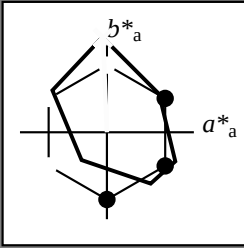
$LAB^*LAB^*Ma$ : 64 21 83  
 $LAB^*LCH^*Ma$ : 64 86 76  
 $lab^*rgb^*Ma$ : 1.0 0.75 0.0  
 $lab^*olv^*Ma$ : 1.0 0.59 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j00g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

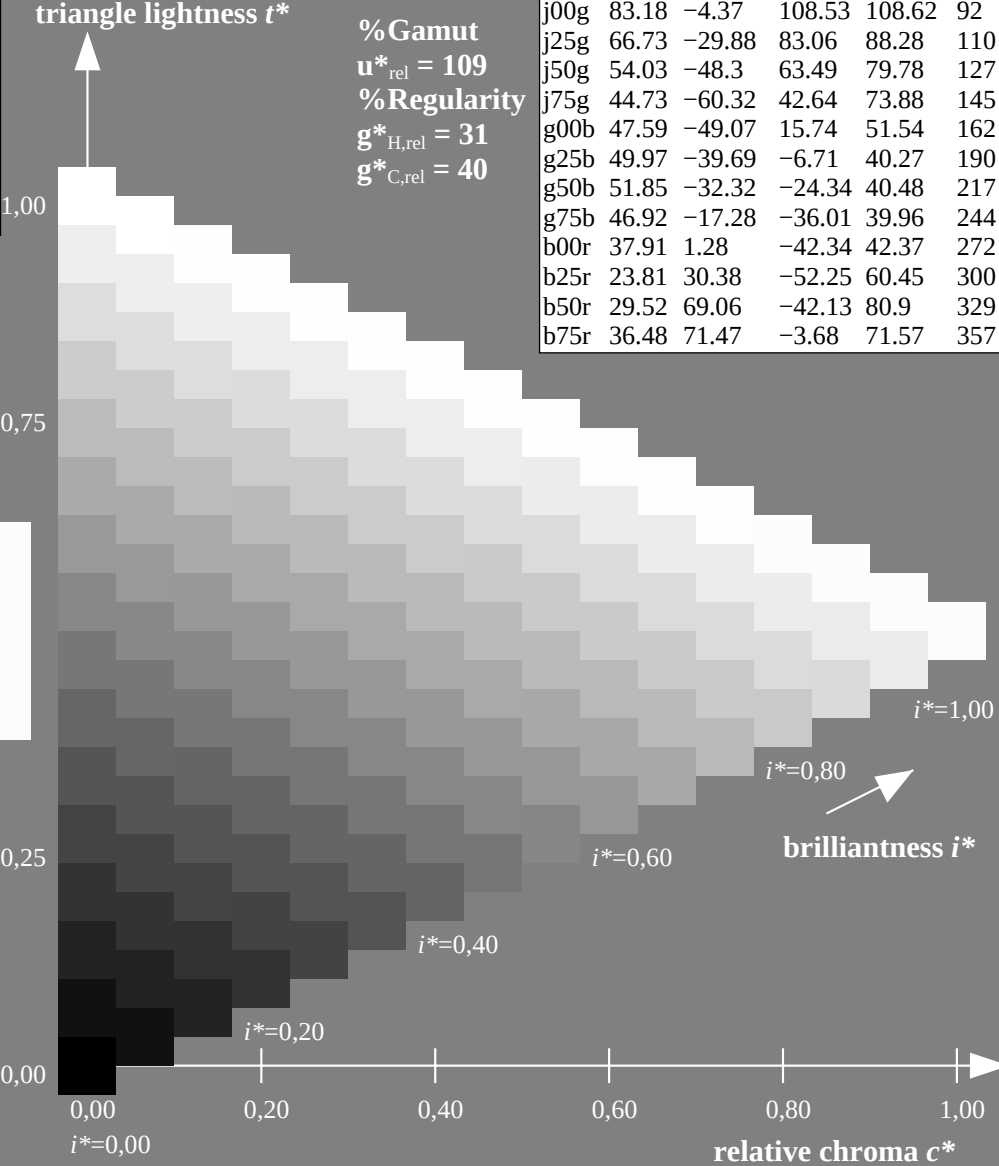
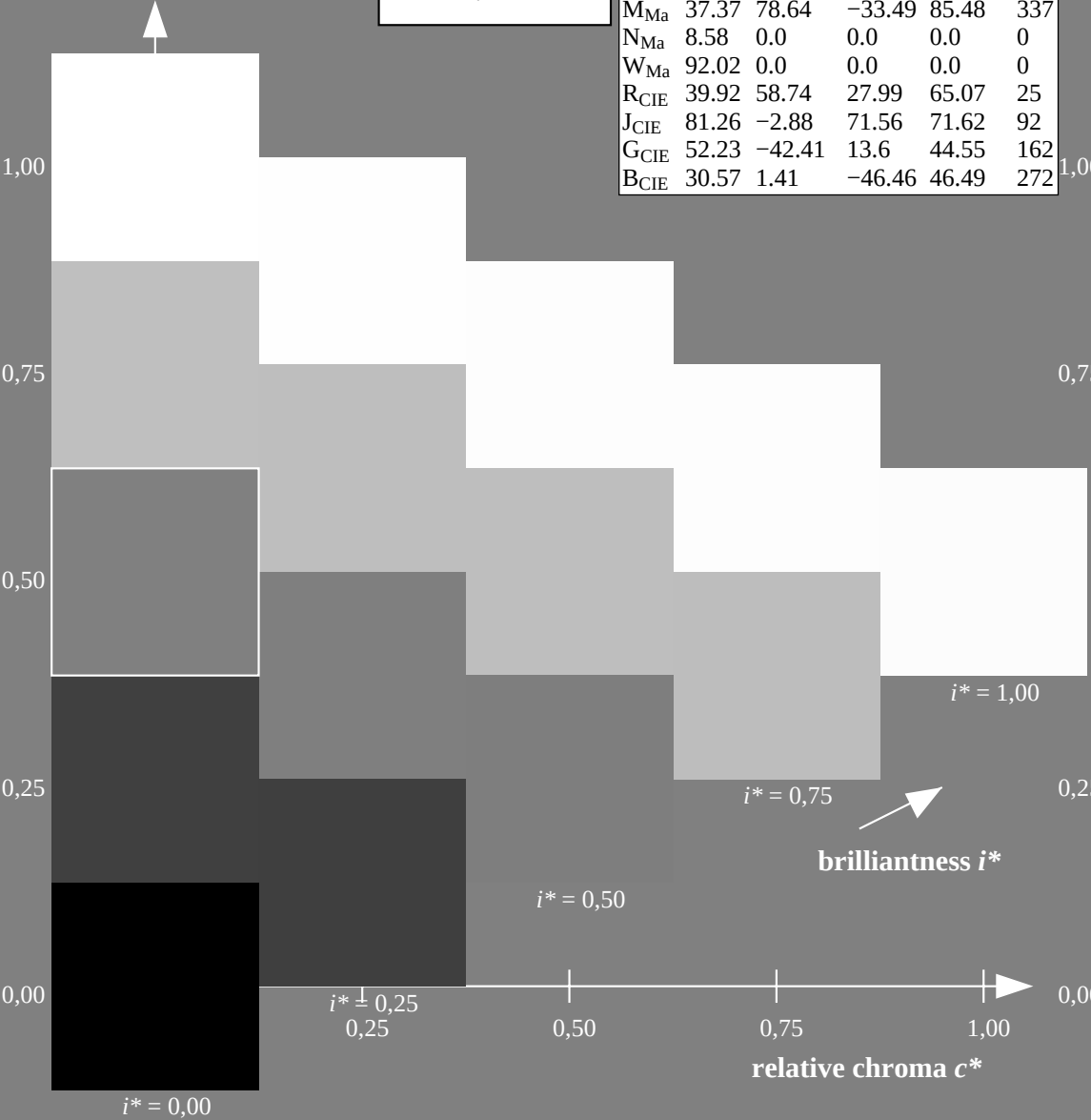


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

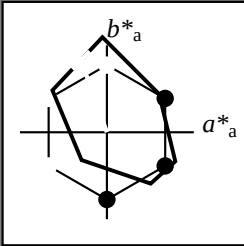
$LAB^*LAB^*Ma: 83 -3 109$   
 $LAB^*LCH^*Ma: 83 109 92$   
 $lab^*rgb^*Ma: 1.0 1.0 0.0$   
 $lab^*olv^*Ma: 1.0 0.99 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j25g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

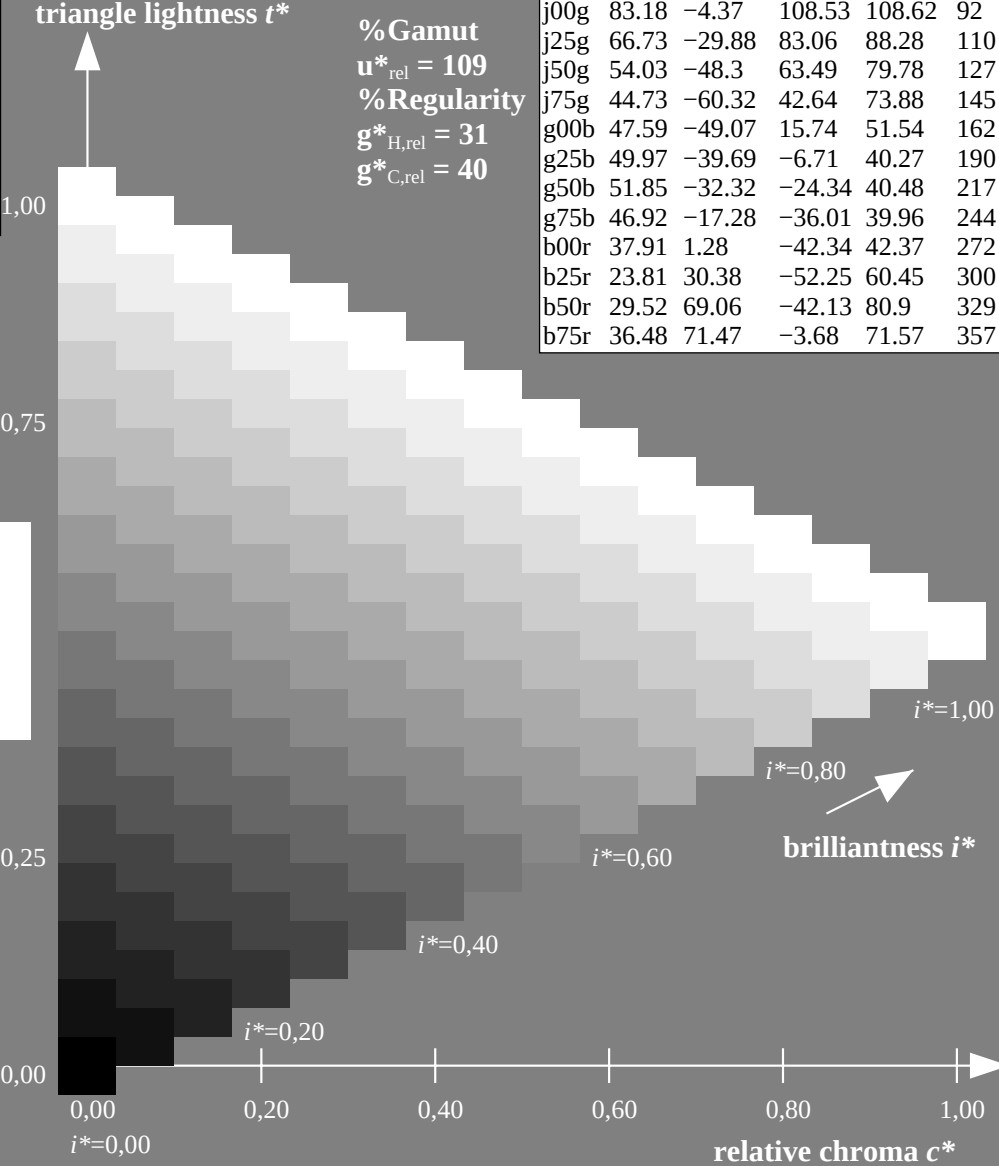
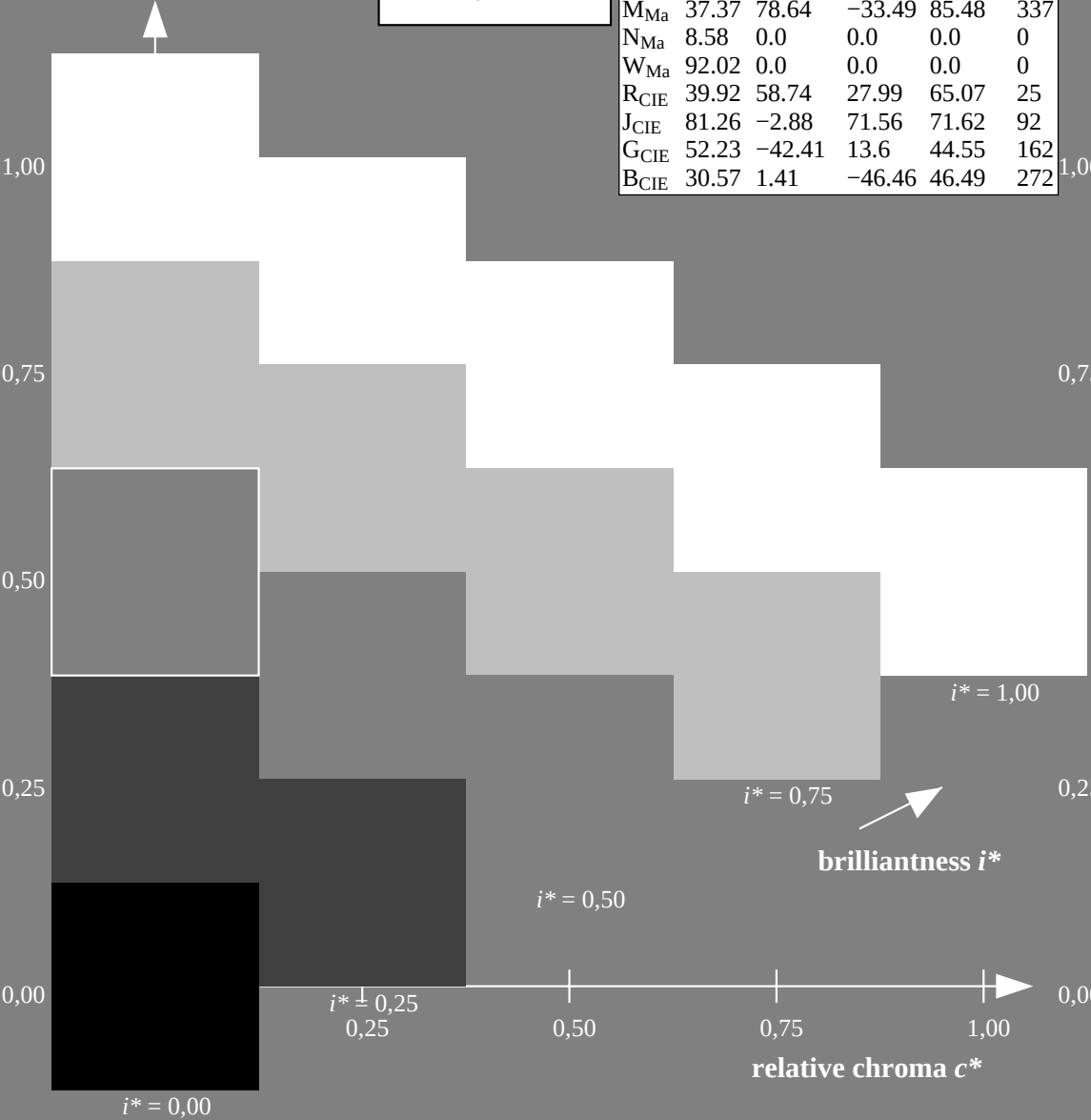


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

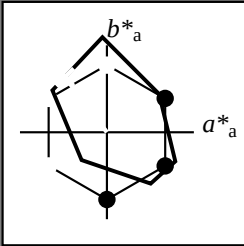
$LAB^*LAB^*Ma$ : 67 -29 83  
 $LAB^*LCH^*Ma$ : 67 88 110  
 $lab^*rgb^*Ma$ : 0.75 1.0 0.0  
 $lab^*olv^*Ma$ : 0.57 1.0 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j50g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

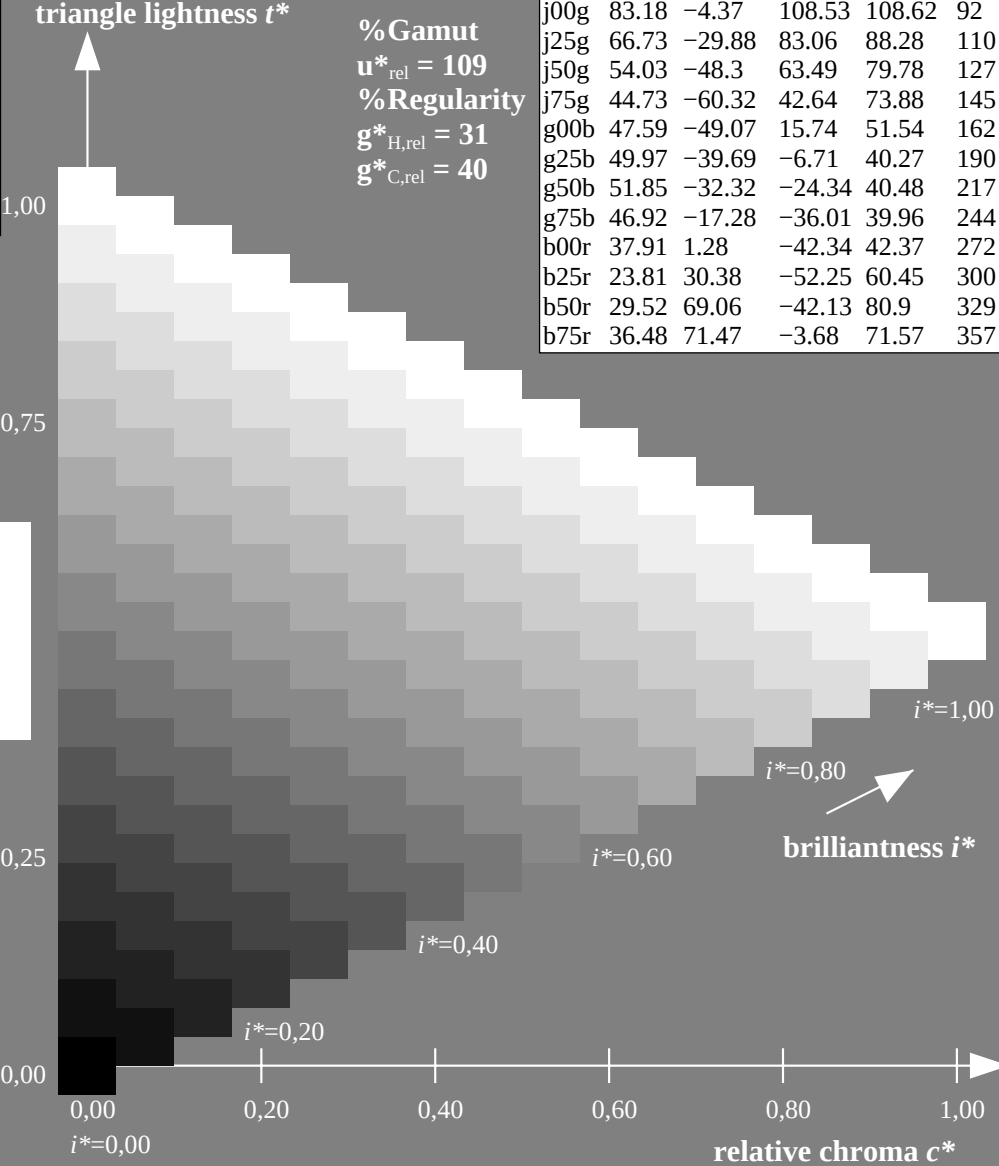
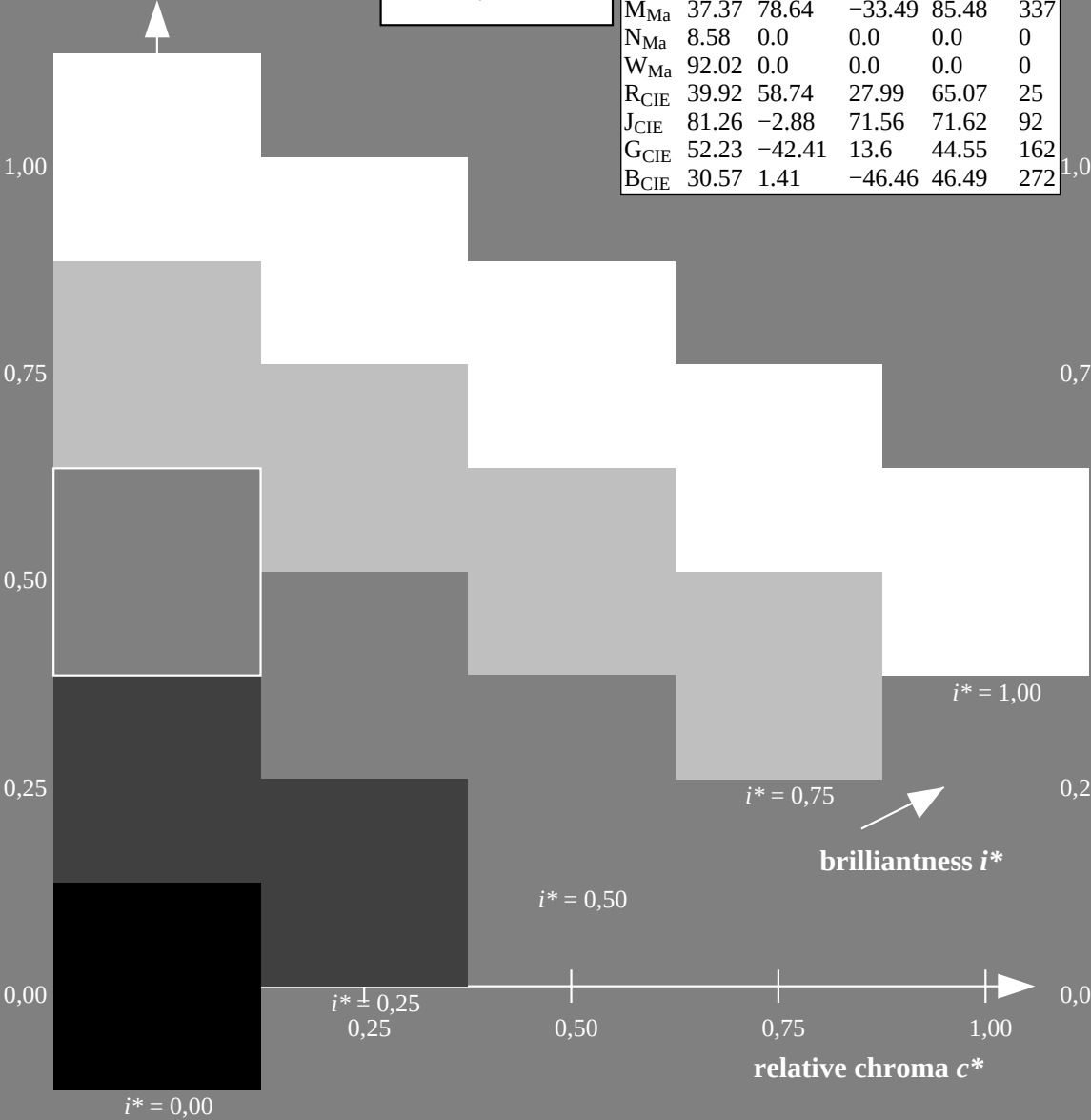


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

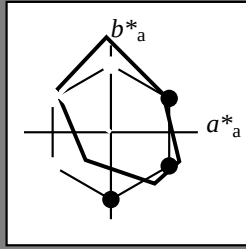
Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 54 -47 63$   
 $LAB^*LCH^*Ma: 54 80 127$   
 $lab^*rgb^*Ma: 0.5 1.0 0.0$   
 $lab^*olv^*Ma: 0.25 1.0 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



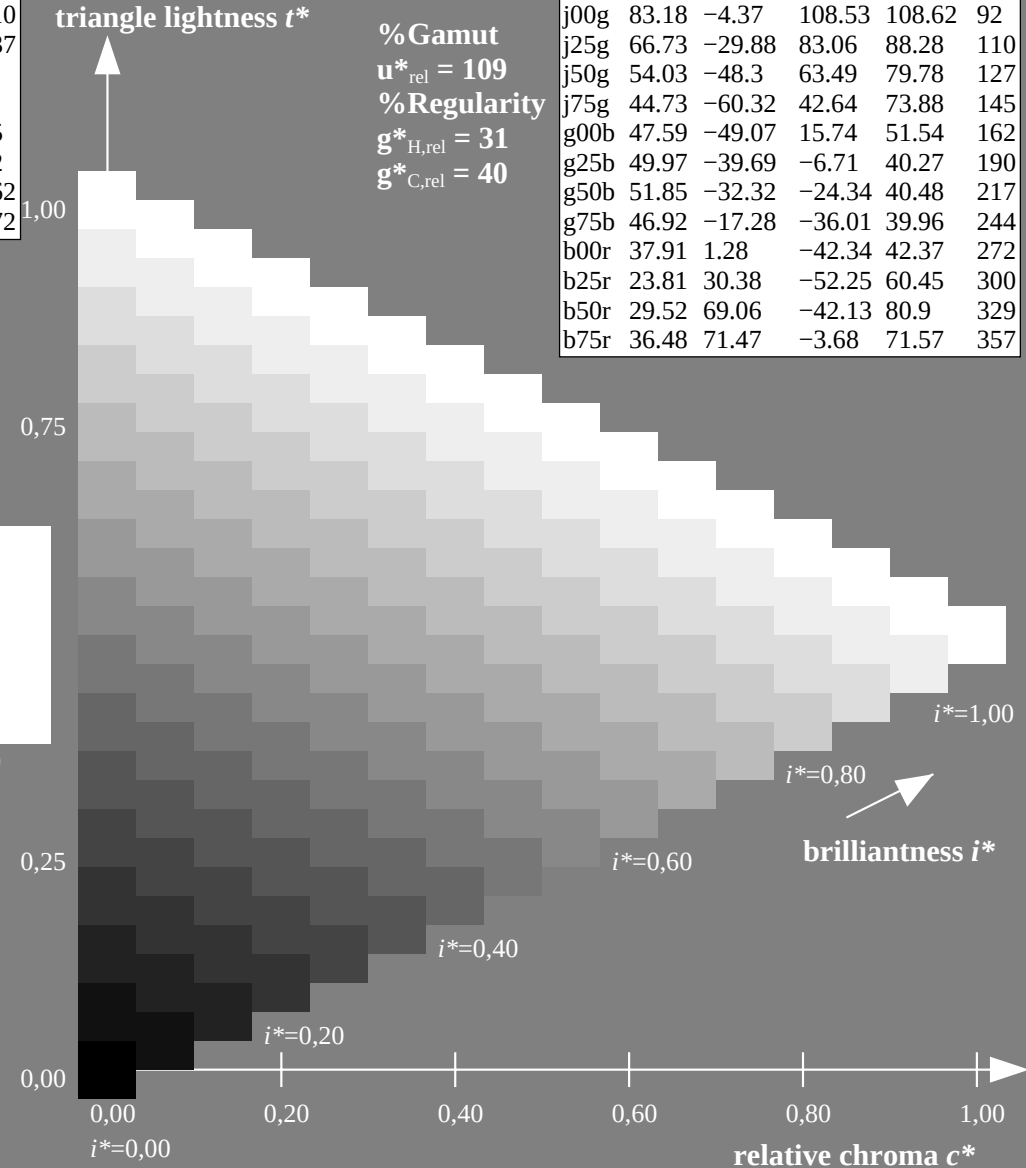
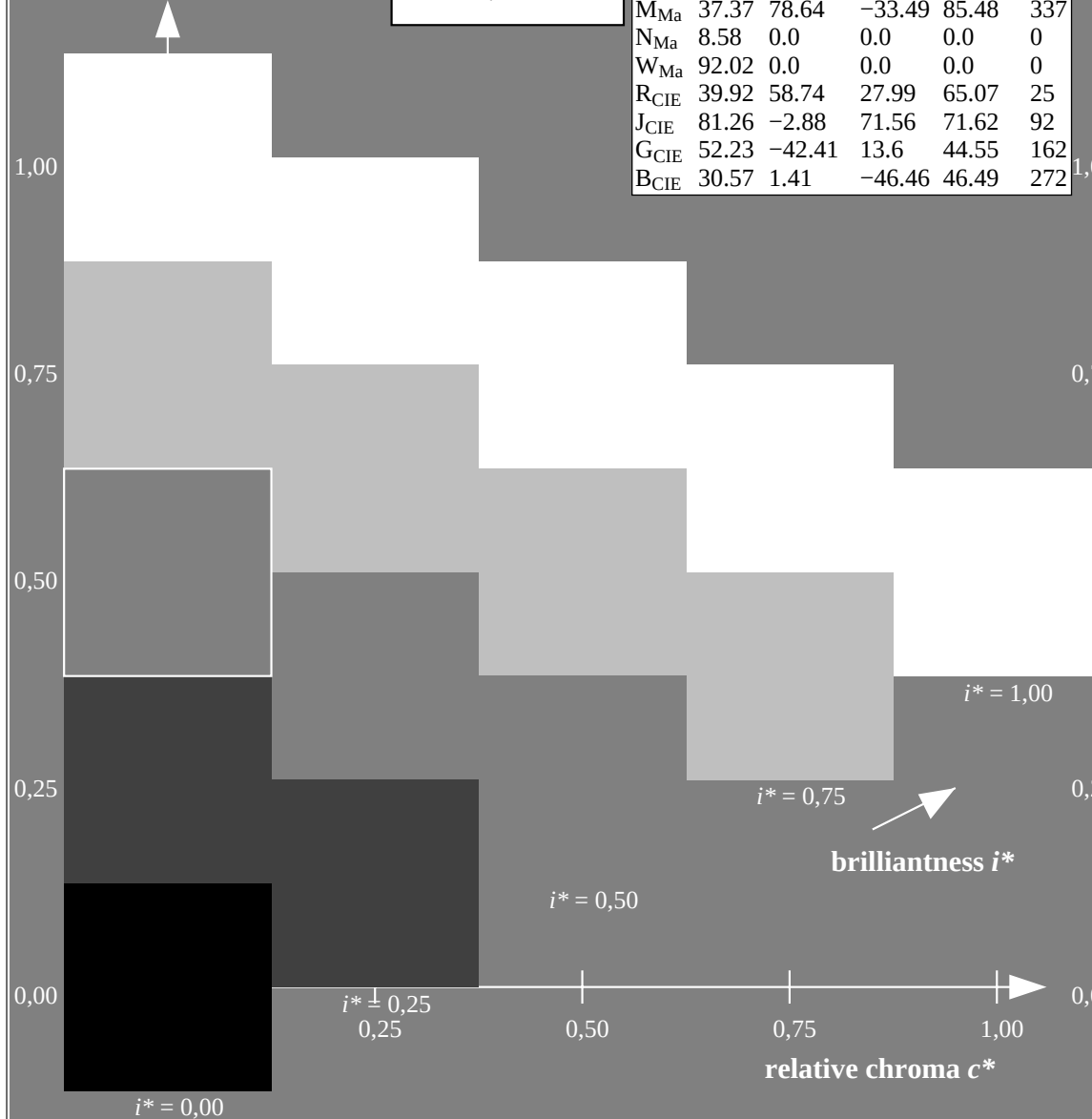
**$u^* = j75g$**   
**contrast reduction factor:**  
 **$c_R = 1.0$**   
**triangle lightness  $t^*$**



| FRS09_92a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06               | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77               | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13               | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66               | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15               | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37               | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58                | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02               | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92               | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26               | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23               | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57               | 1.41    | -46.46  | 46.49        | 272          |

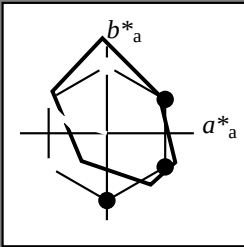
*LAB\*LAB\**<sub>Ma</sub>: 45 -59 43  
*LAB\*LCH\**<sub>Ma</sub>: 45 74 145  
*lab\*rgb\**<sub>Ma</sub>: 0.25 1.0 0.0  
*lab\*olv\**<sub>Ma</sub>: 0.0 1.0 0.07

| FRS09_92a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47         | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12         | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64         | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01         | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18         | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73         | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03         | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73         | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59         | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97         | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85         | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92         | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91         | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81         | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52         | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48         | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g00b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

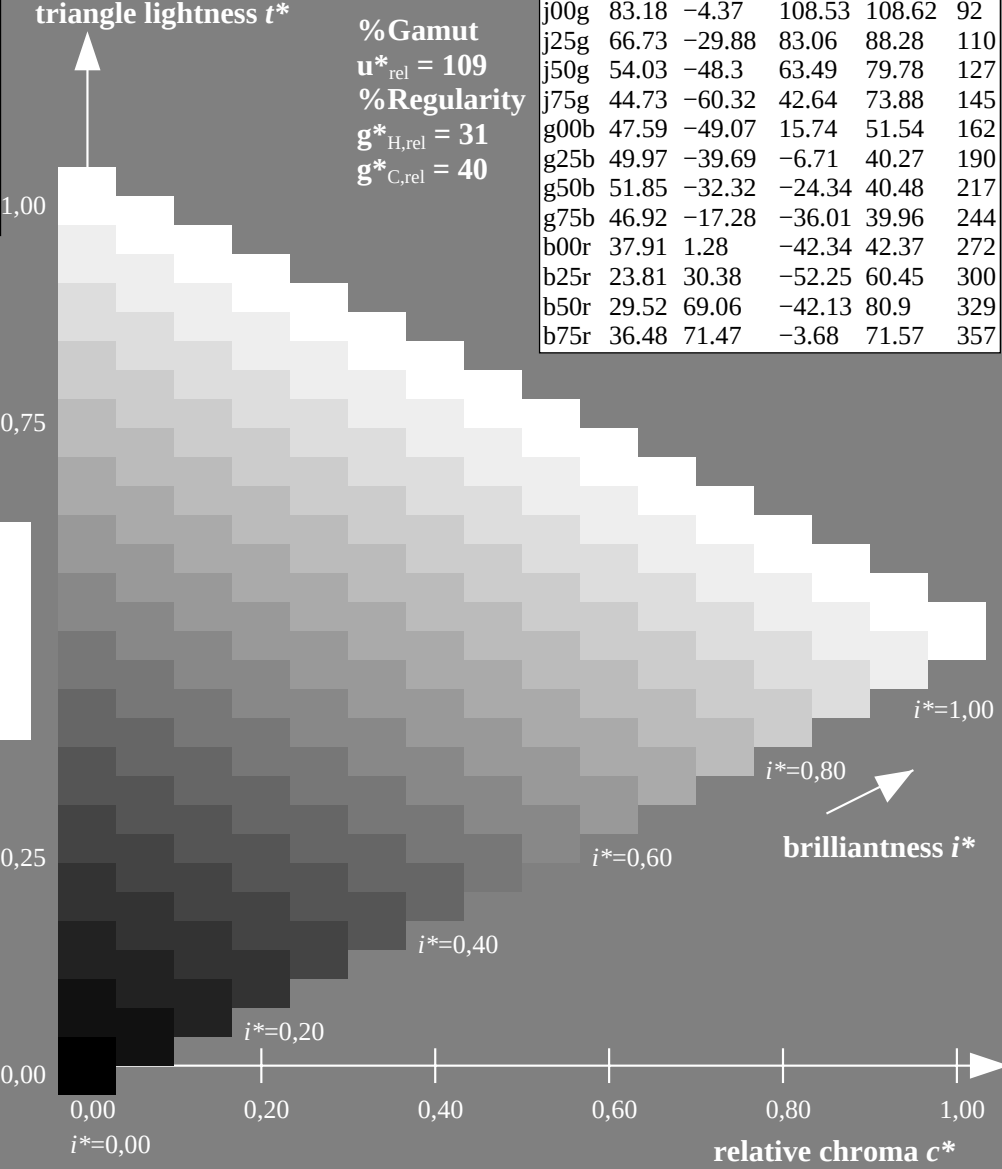
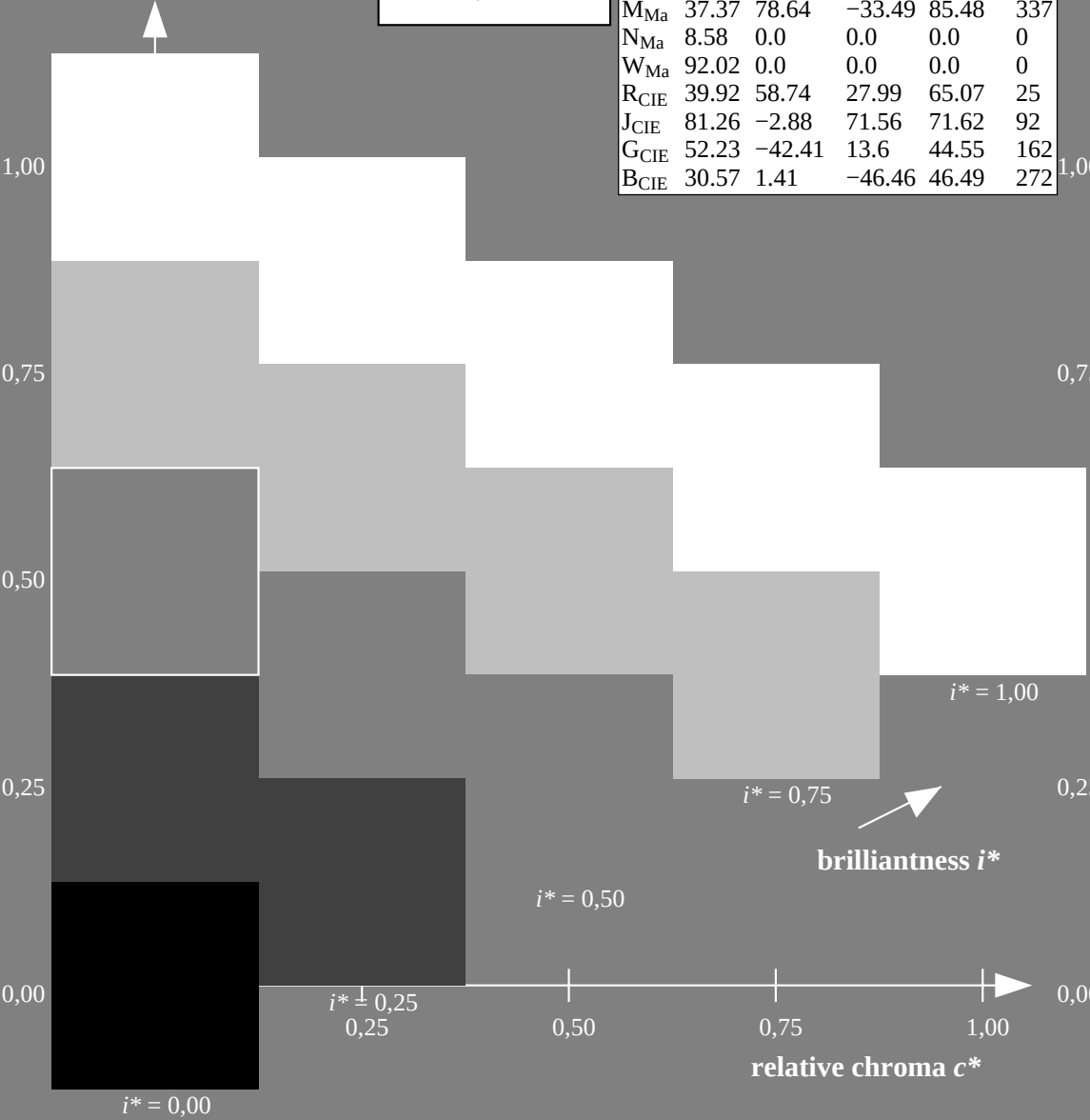


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 48 \ 48 \ 16$   
 $LAB^*LCH^*Ma: 48 \ 52 \ 162$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.0$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.41$

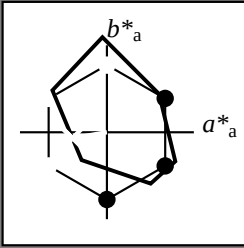
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g25b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

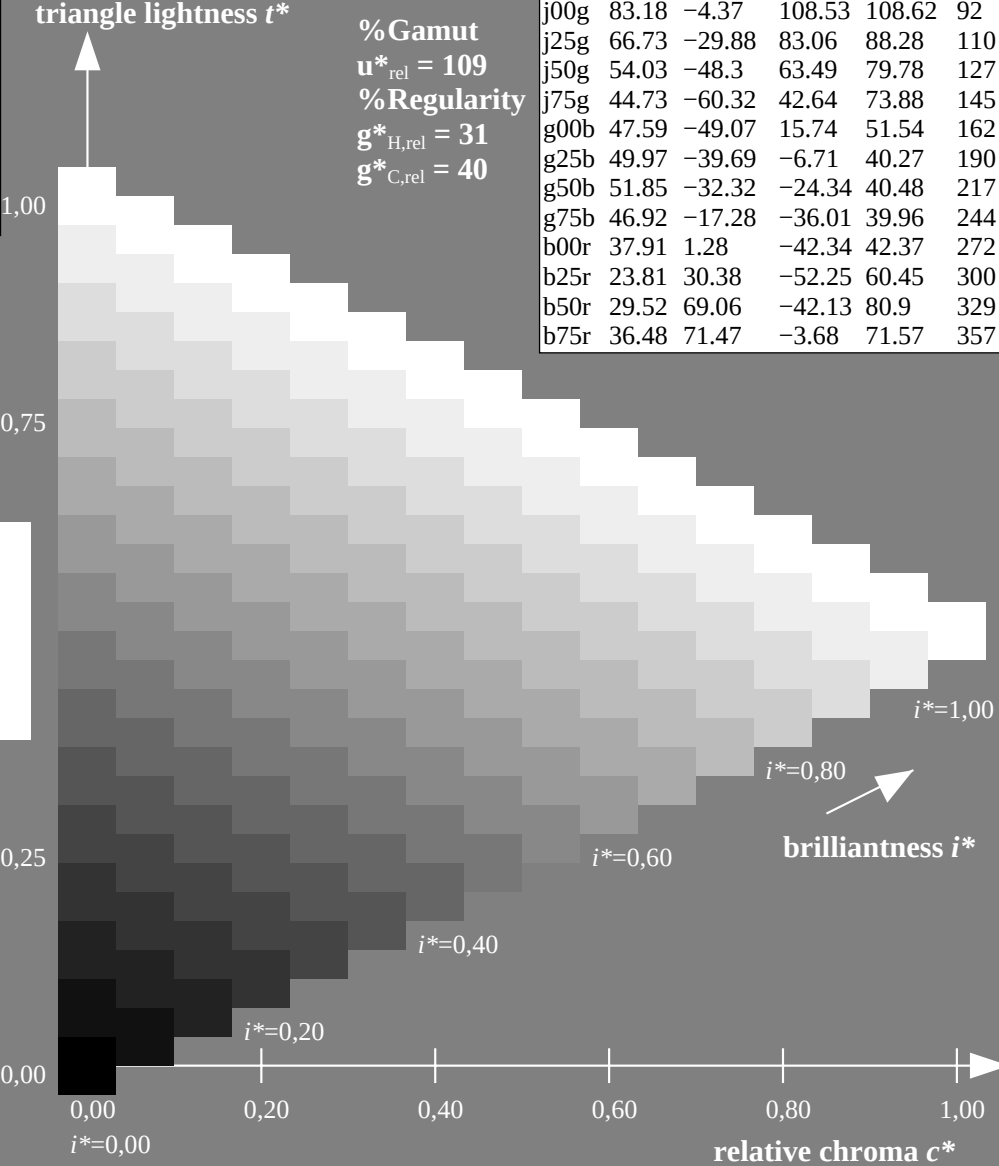
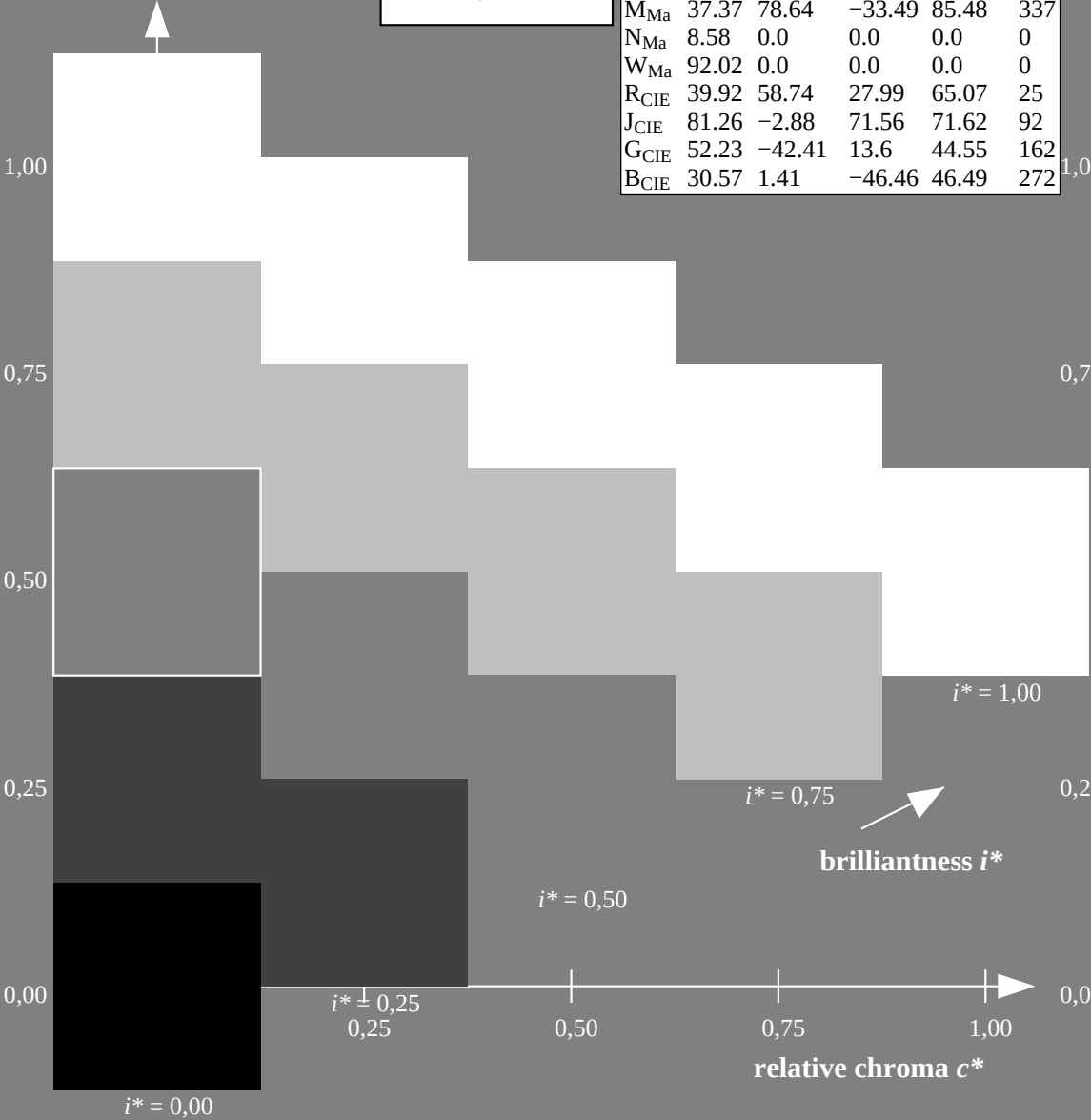


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

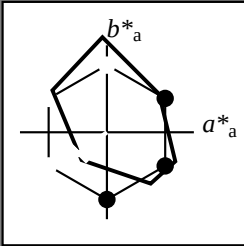
$LAB^*LAB^*Ma: 50 \ -39 \ -6$   
 $LAB^*LCH^*Ma: 50 \ 40 \ 190$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.5$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.69$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g50b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

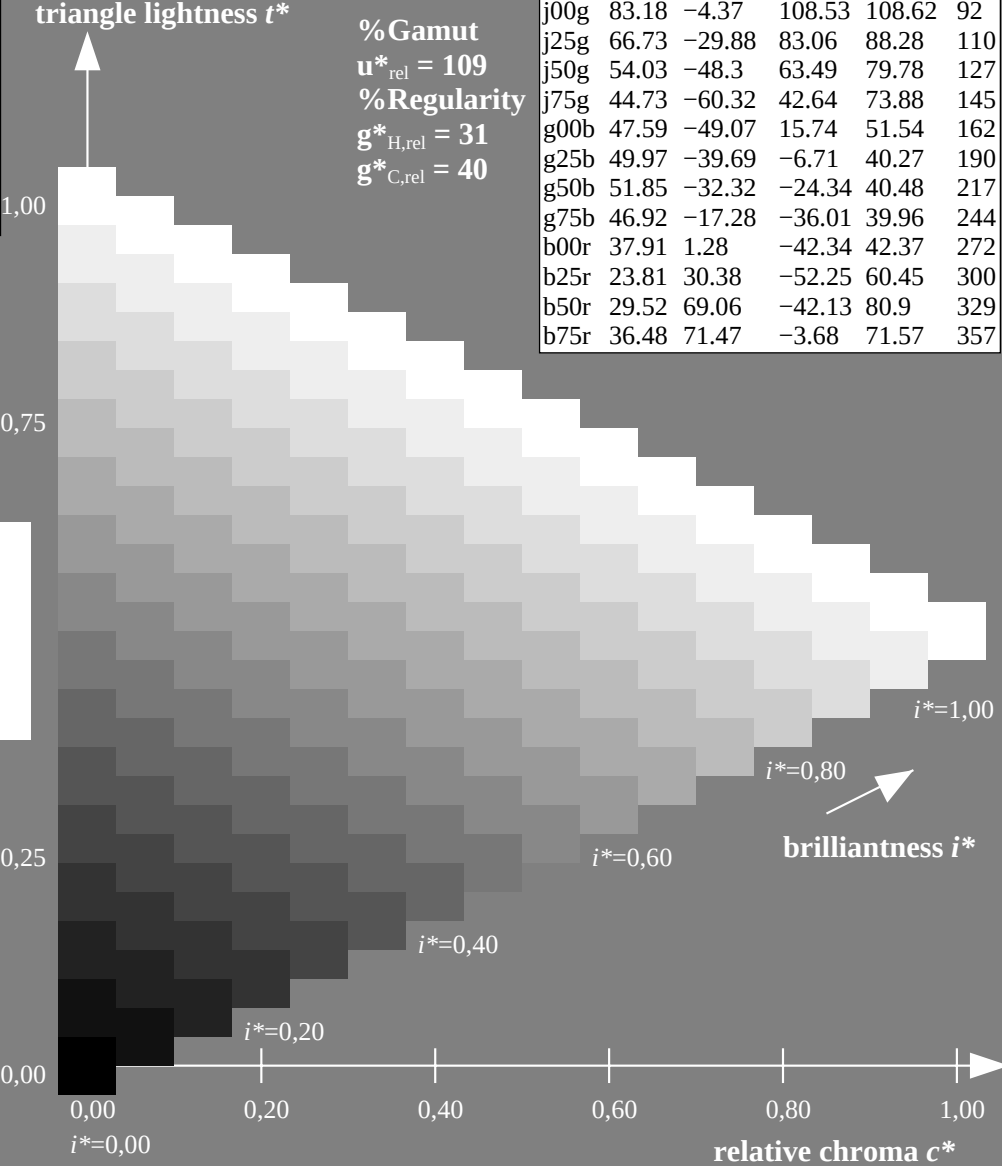
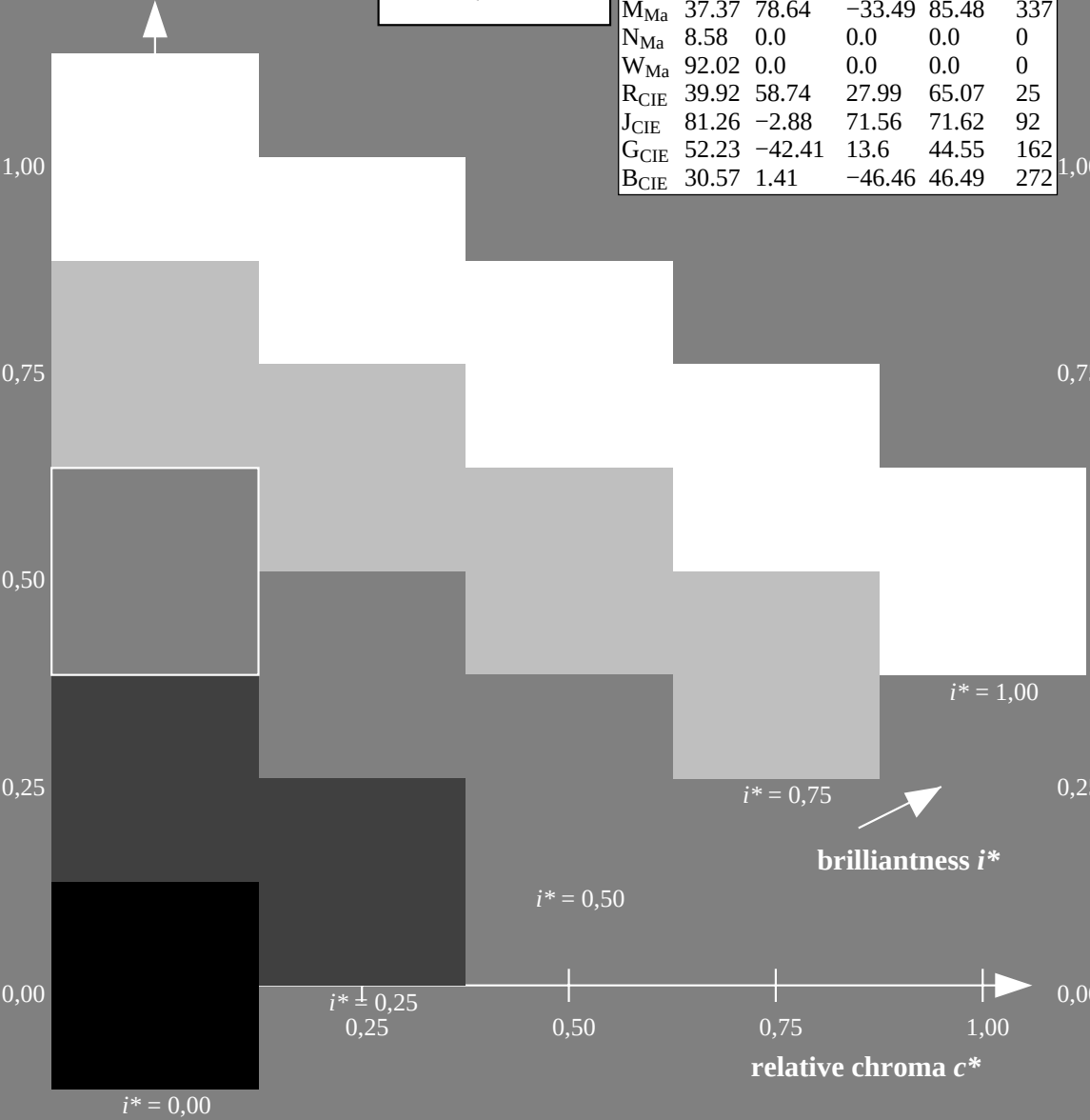


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

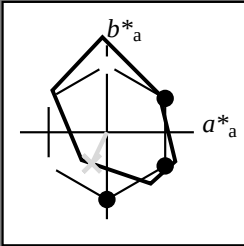
$LAB^*LAB^*Ma$ : 52 -31 -23  
 $LAB^*LCH^*Ma$ : 52 40 217  
 $lab^*rgb^*Ma$ : 0.0 1.0 1.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.9

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g75b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

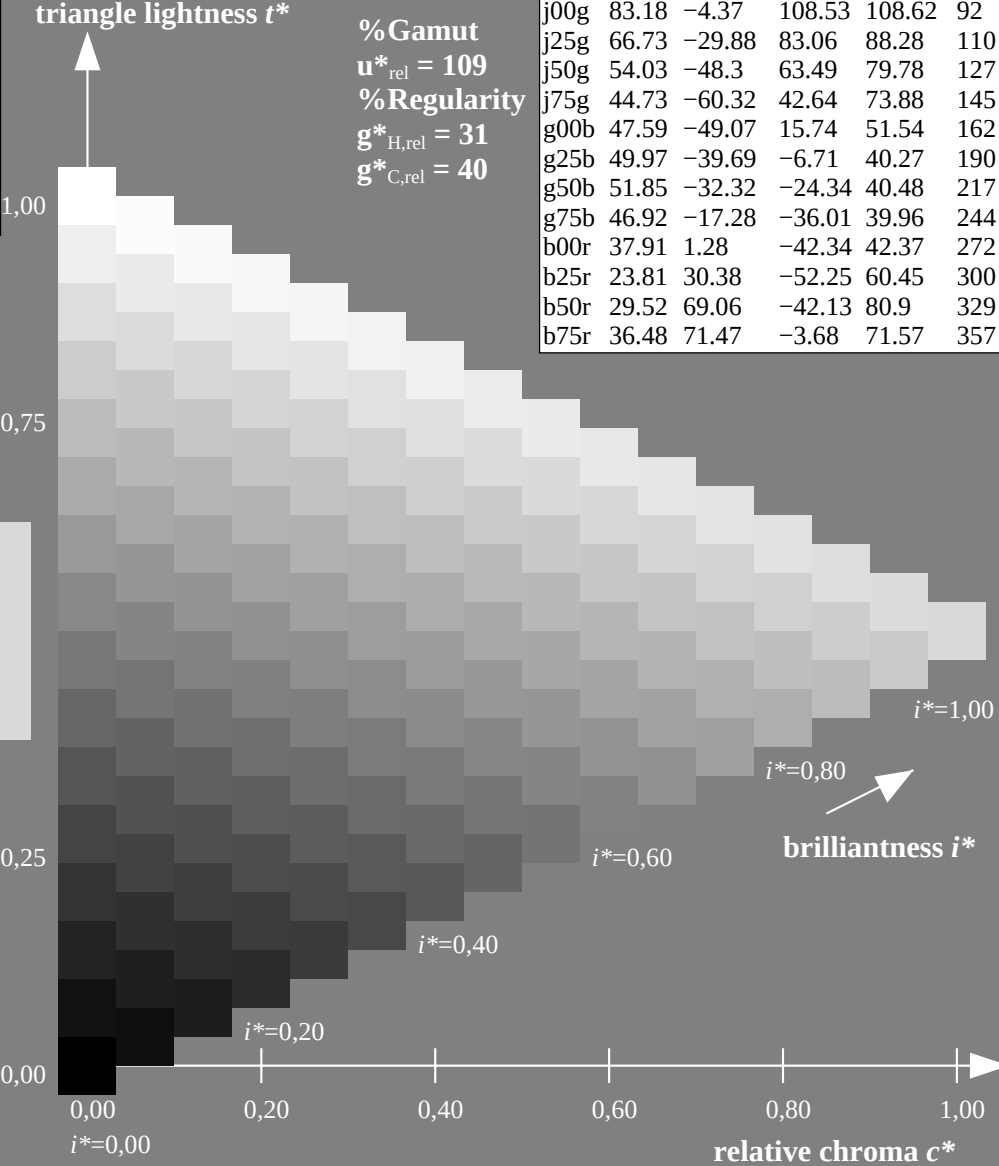
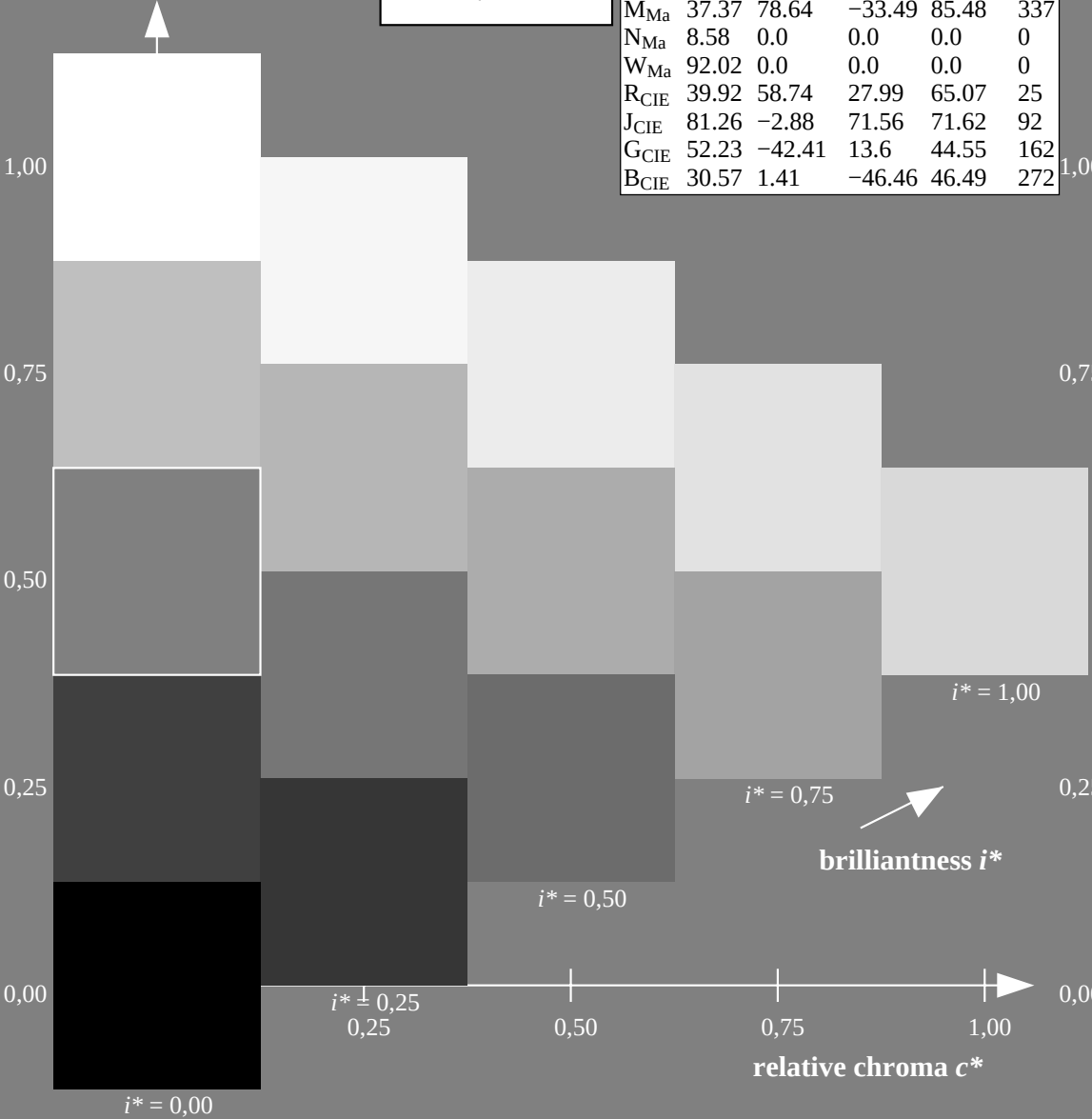


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

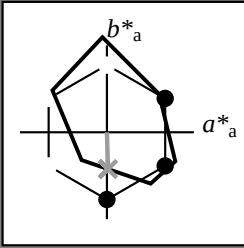
$LAB^*LAB^*Ma: 47 -16 -35$   
 $LAB^*LCH^*Ma: 47 40 244$   
 $lab^*rgb^*Ma: 0.0 0.5 1.0$   
 $lab^*olv^*Ma: 0.0 0.85 1.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b00r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

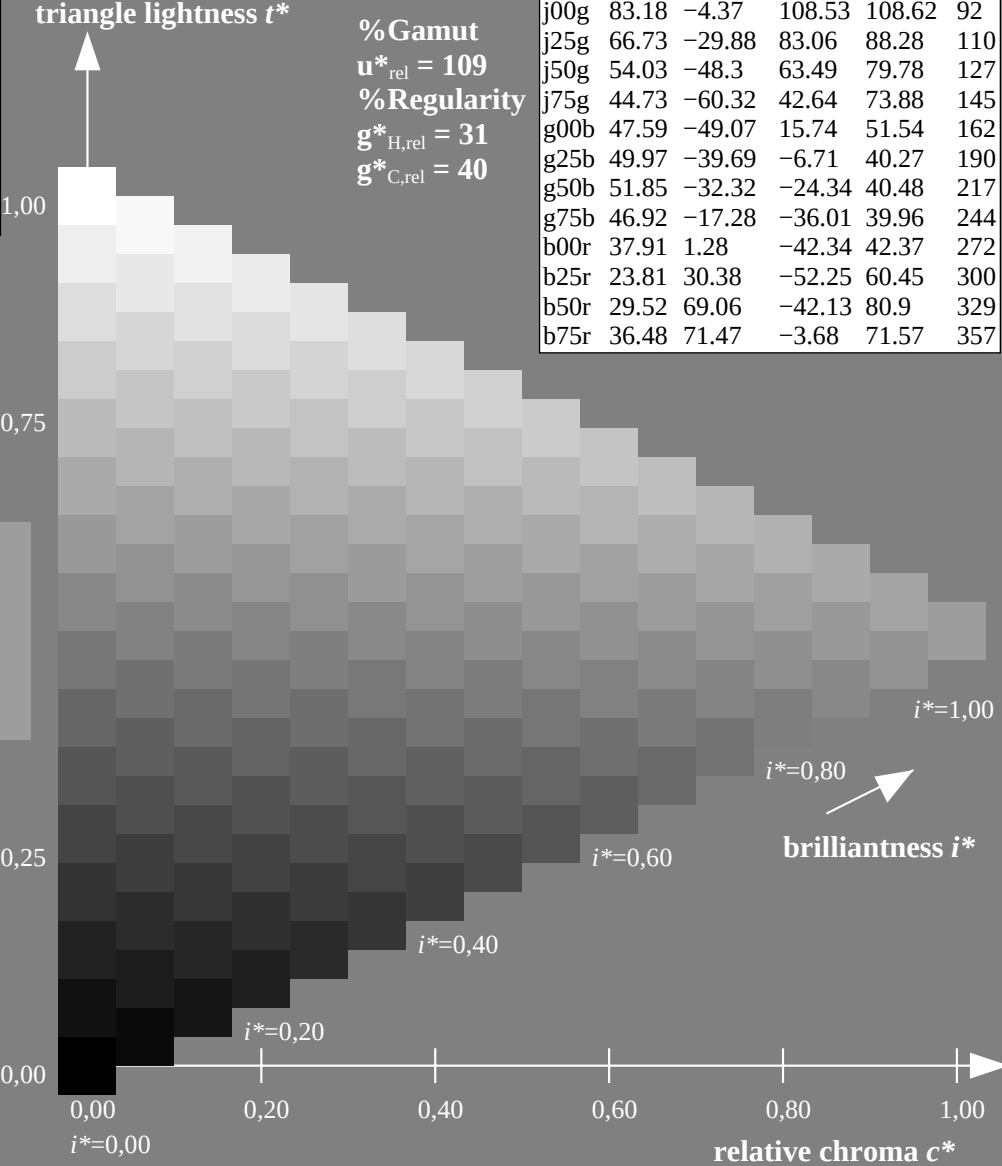
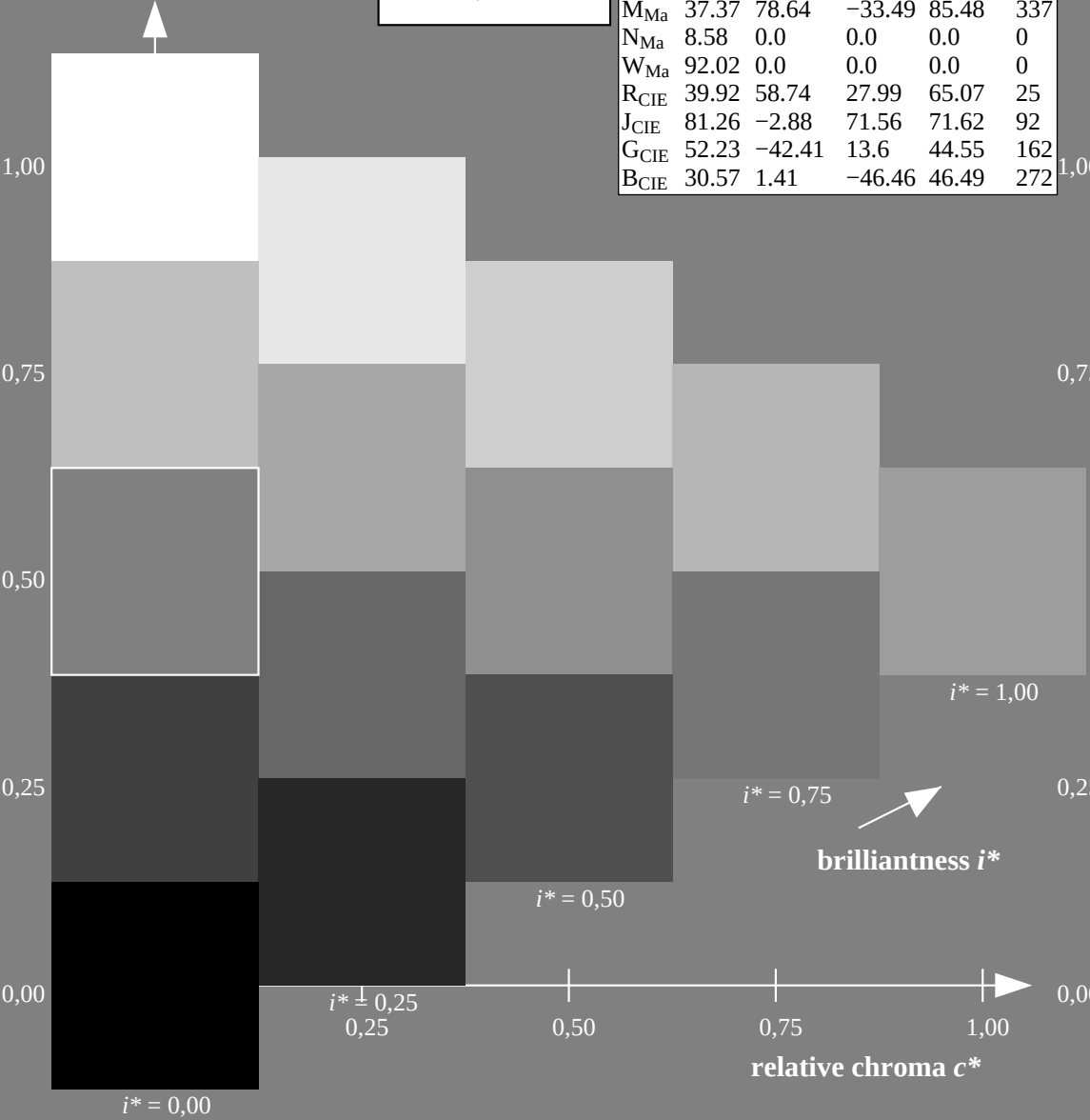


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

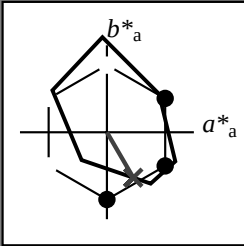
$LAB^*LAB^*Ma$ : 38 1 -41  
 $LAB^*LCH^*Ma$ : 38 42 272  
 $lab^*rgb^*Ma$ : 0.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.62 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b25r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

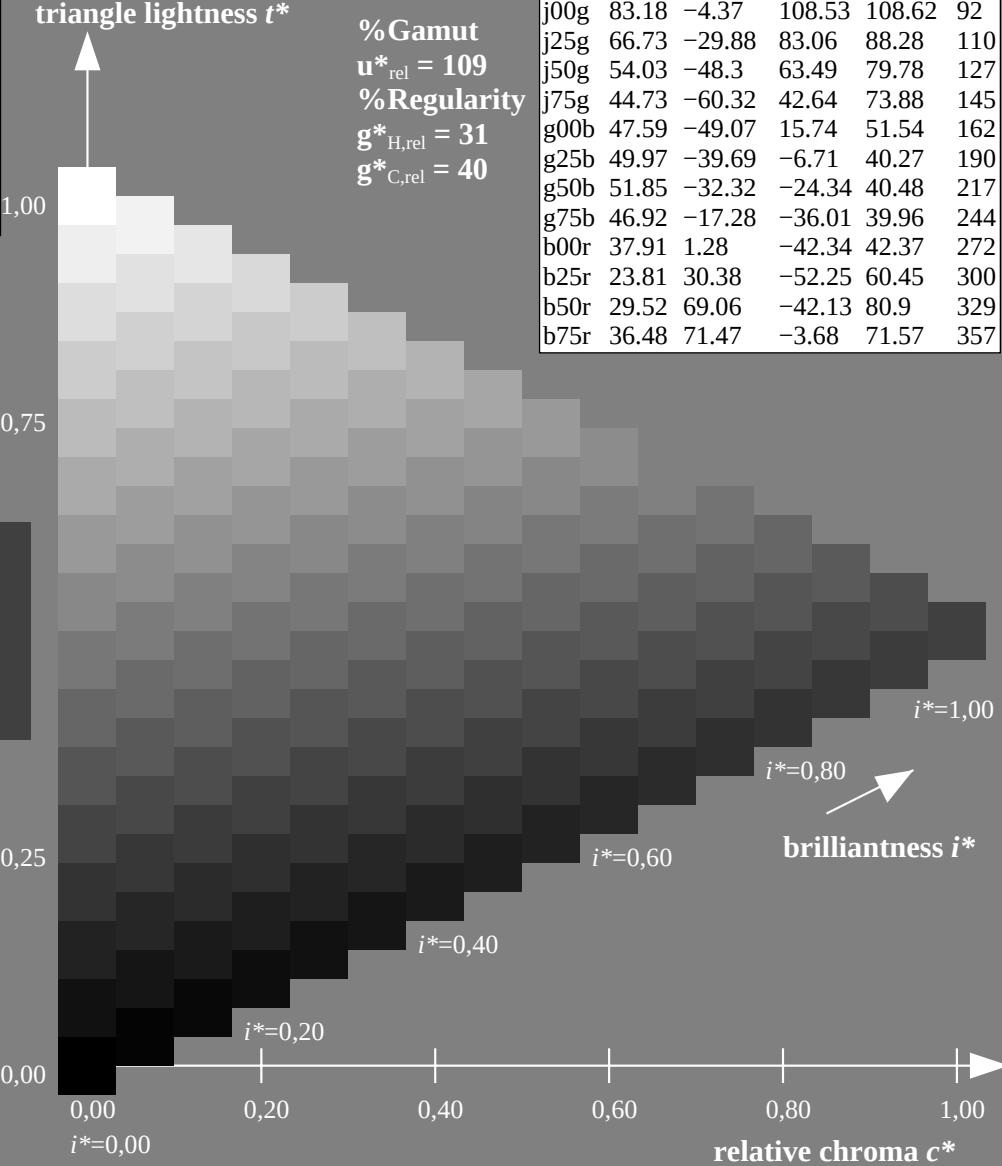
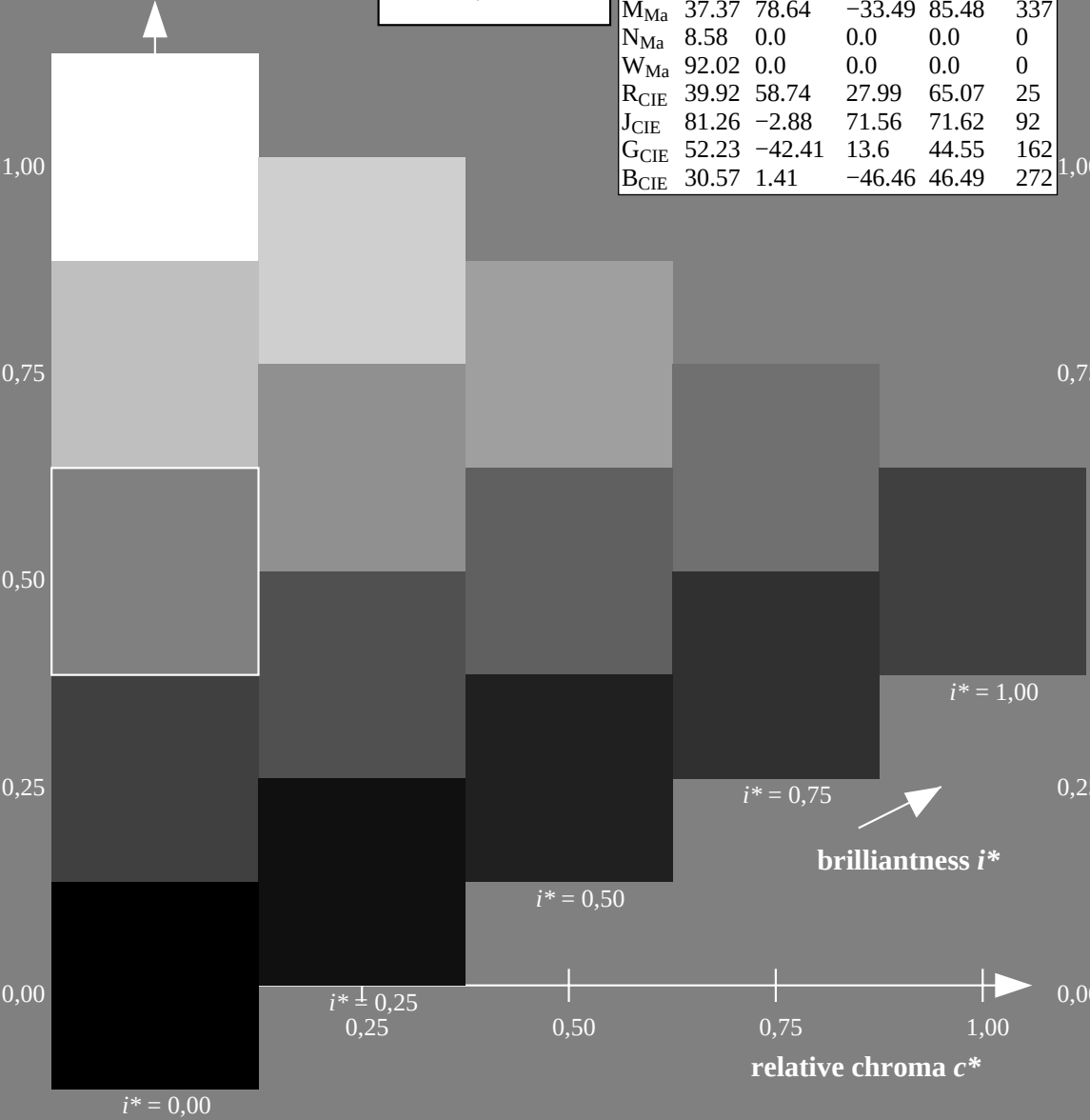


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

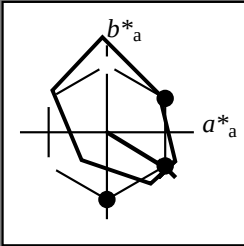
$LAB^*LAB^*Ma$ : 24 30 -51  
 $LAB^*LCH^*Ma$ : 24 60 300  
 $lab^*rgb^*Ma$ : 0.5 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.25 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b50r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

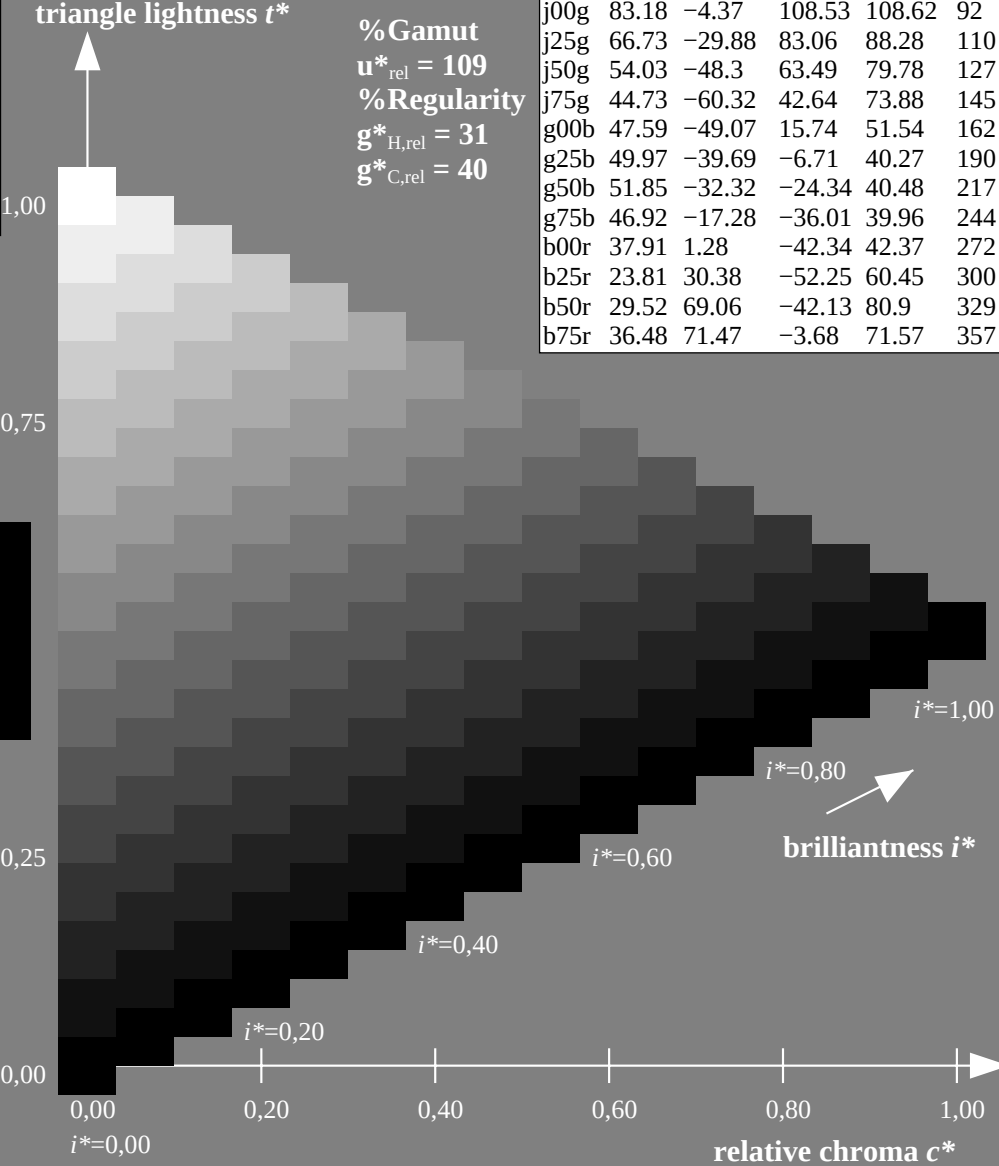
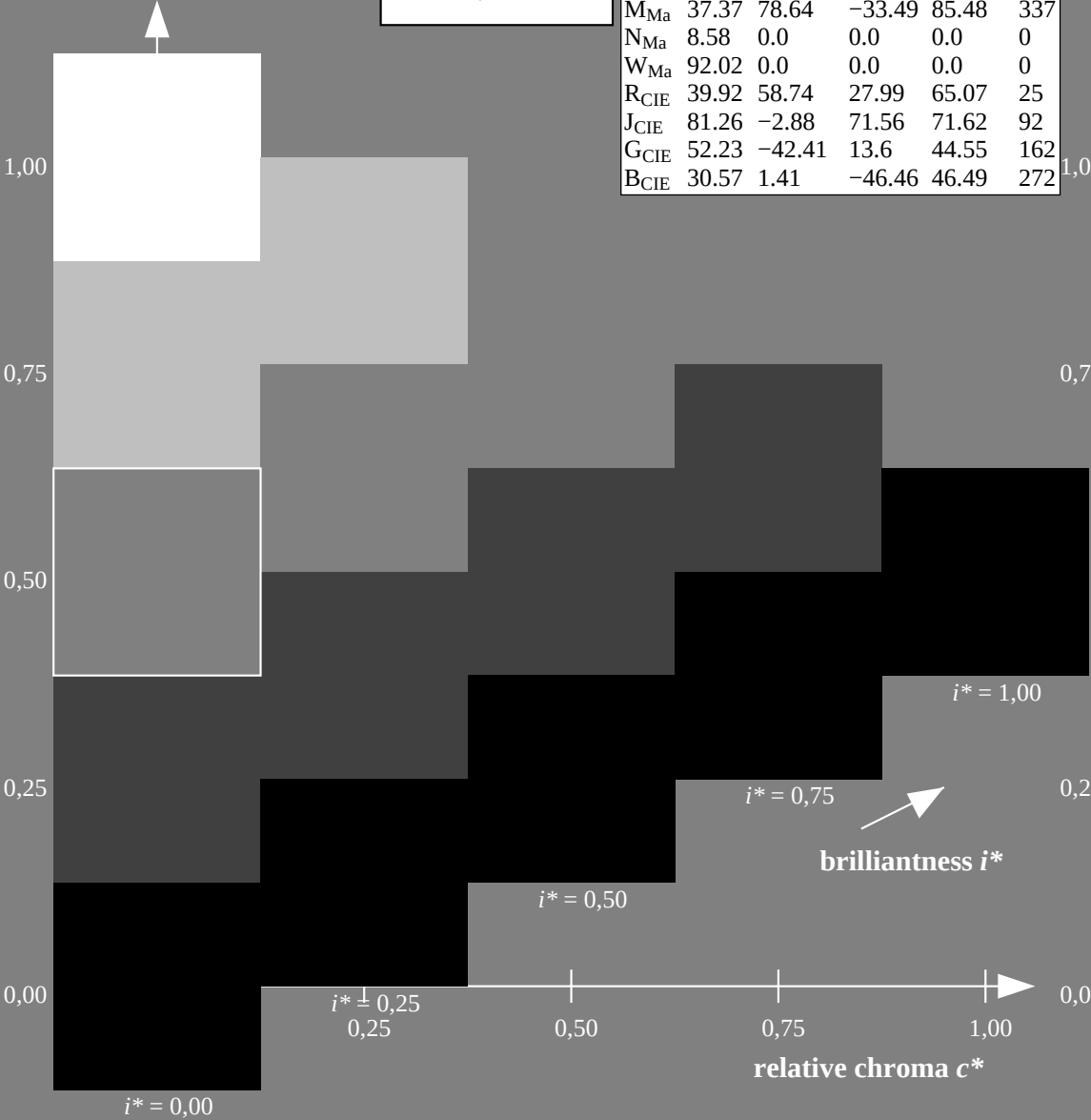


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

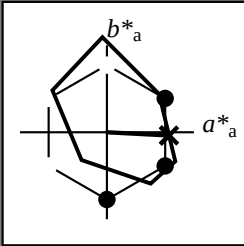
$LAB^*LAB^*Ma$ : 30 69 -41  
 $LAB^*LCH^*Ma$ : 30 81 329  
 $lab^*rgb^*Ma$ : 1.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.66 0.0 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b75r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

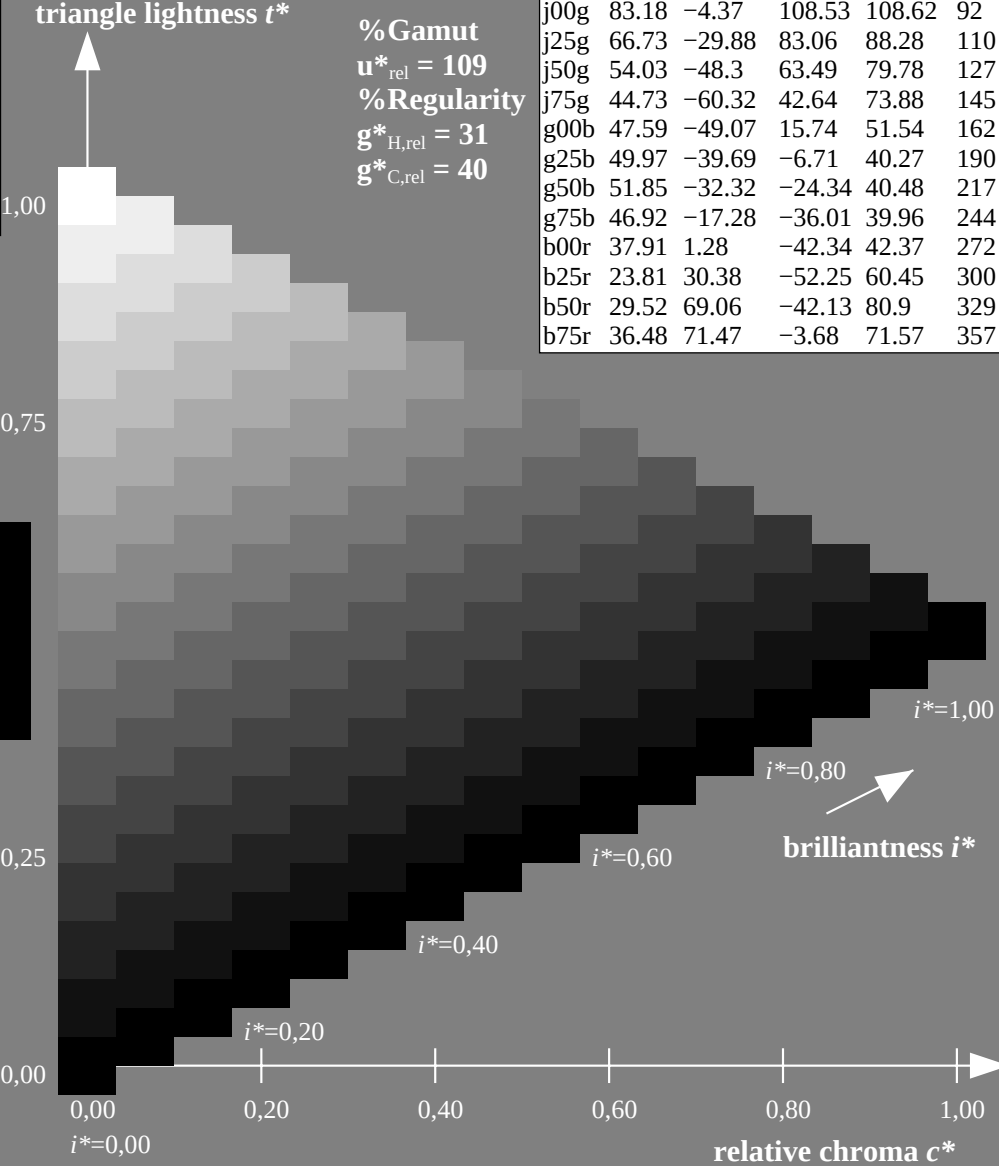
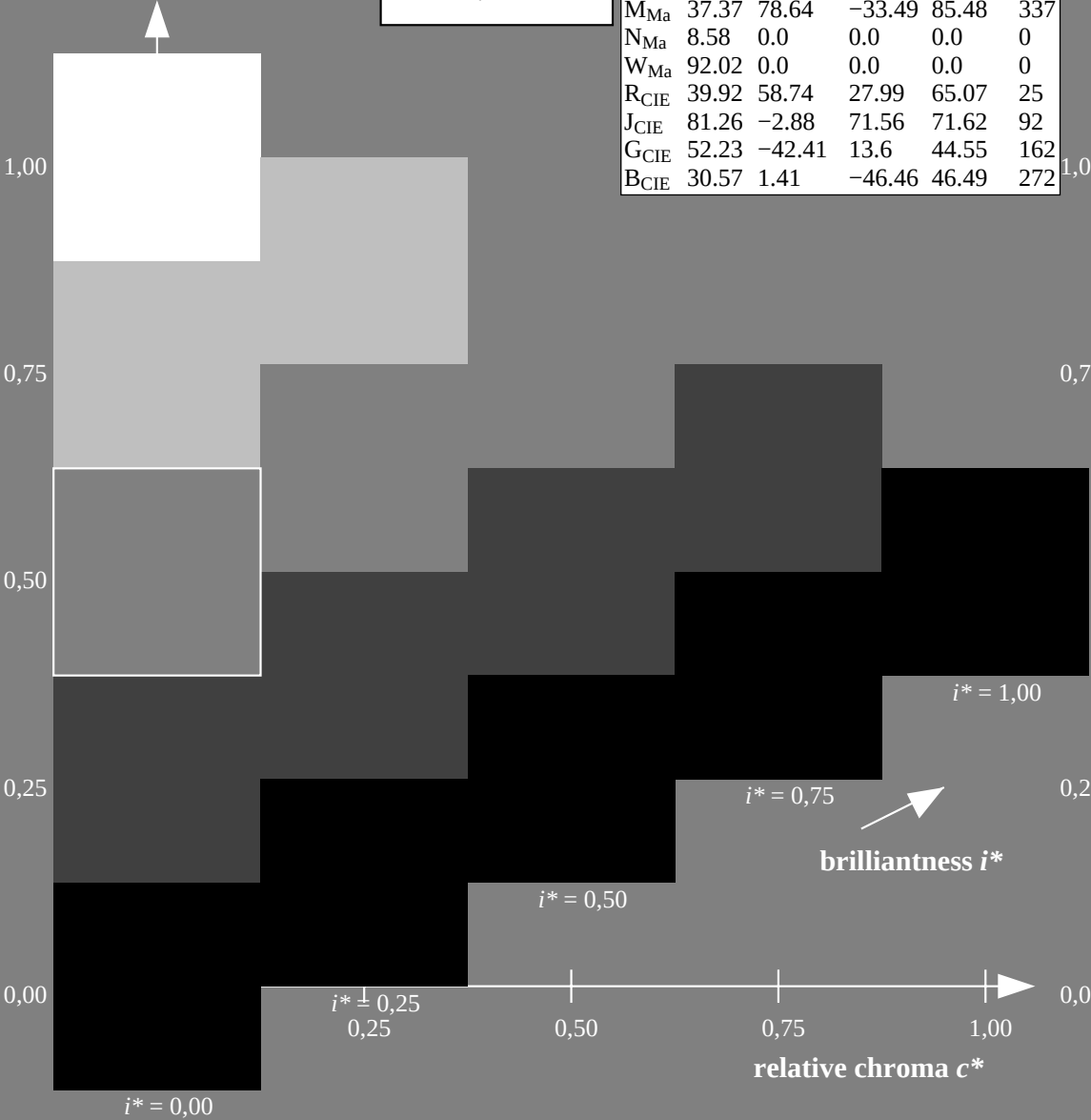


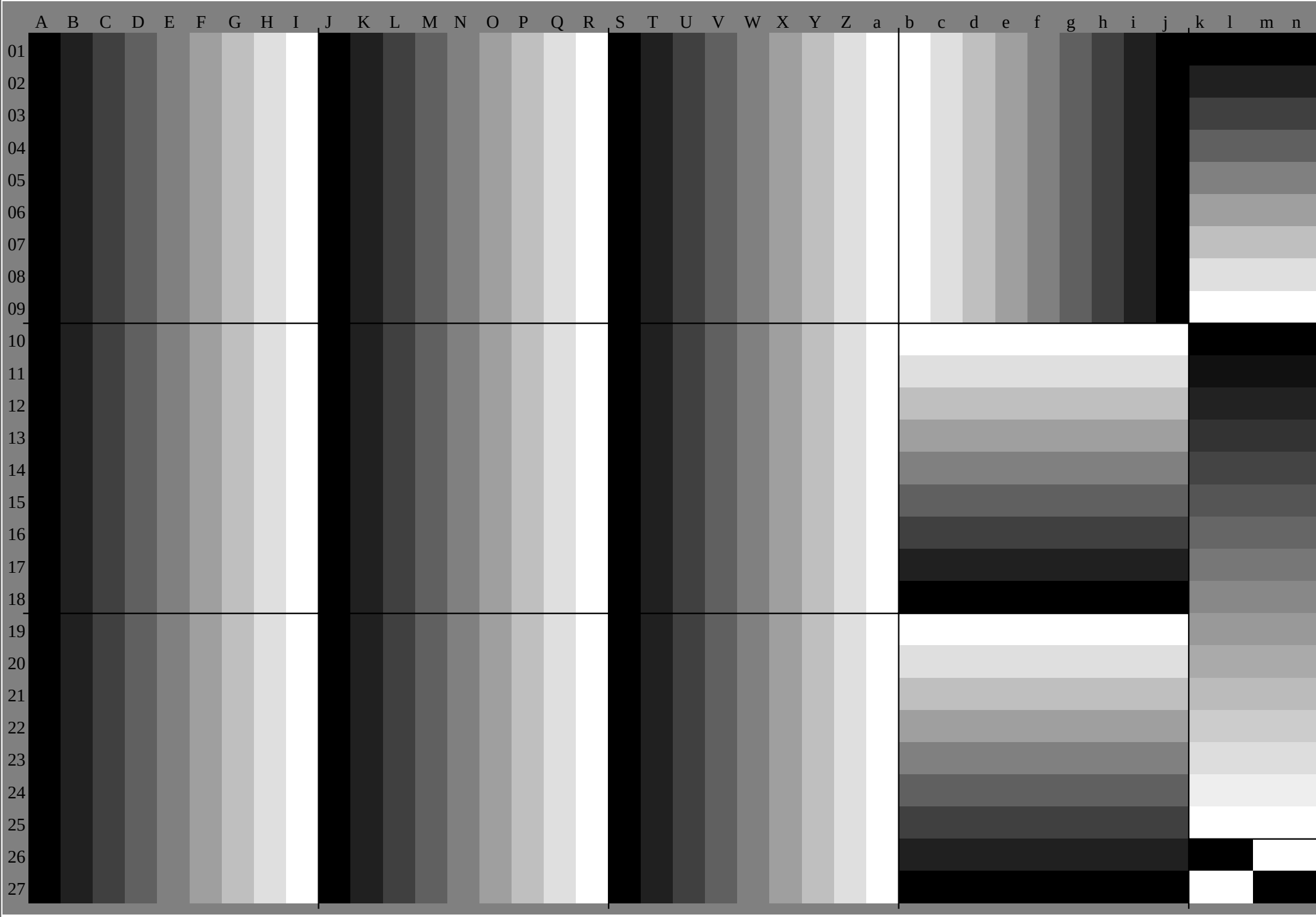
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 36 71 -3  
 $LAB^*LCH^*Ma$ : 36 72 357  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.5  
 $lab^*olv^*Ma$ : 1.0 0.0 0.62

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |

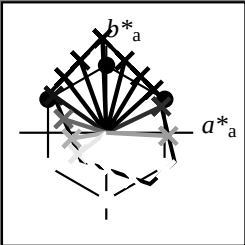






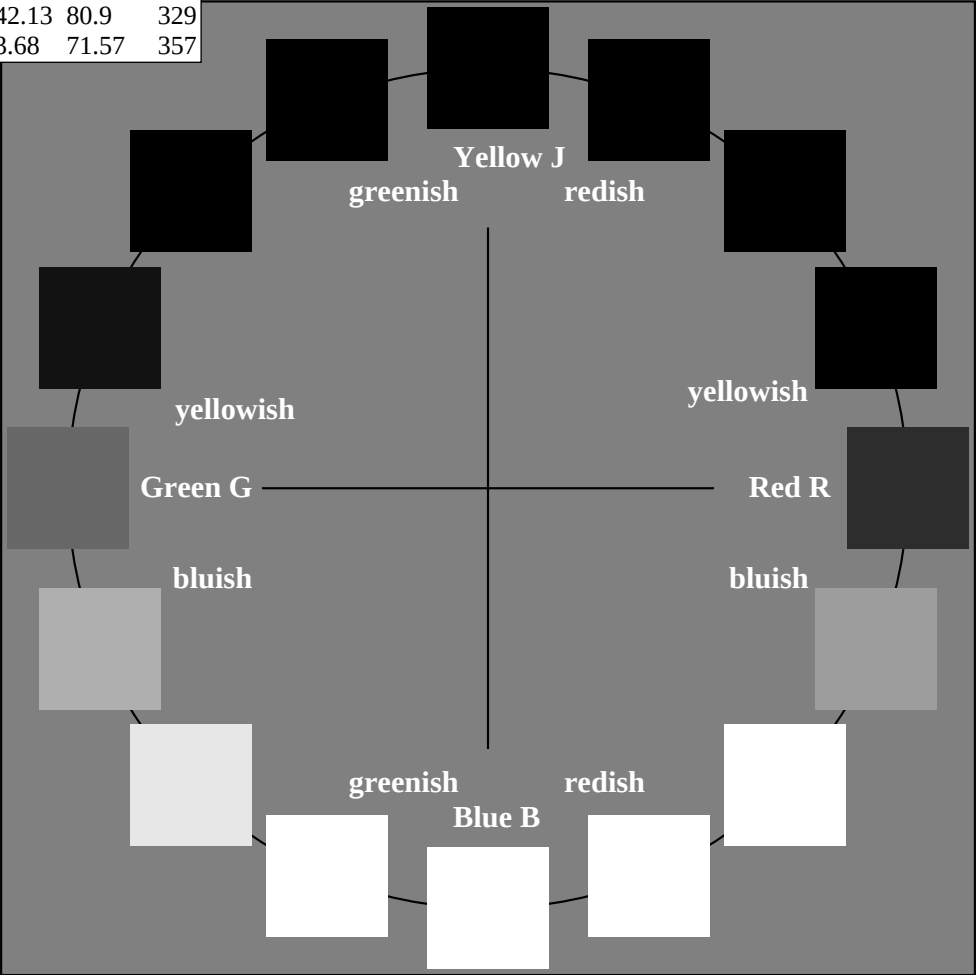
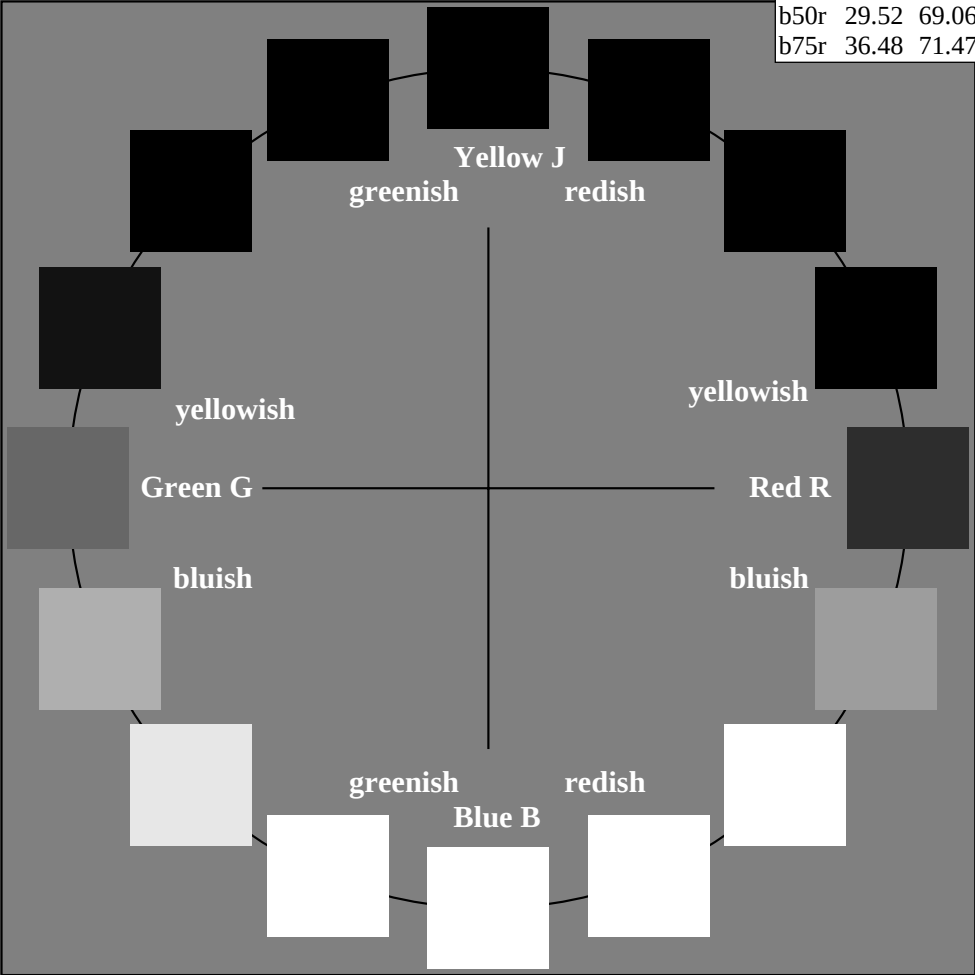
Input and output:  
Colorimetric Printer Reflective System FRS09\_92a  
data for any colour:  
*lab\*tch\* and lab\*icu\**  
elementary hue text:  
*u\* = 16 hues r00j, r25j, ..., b75r*  
contrast reduction factor:  
*c<sub>R</sub> = 1.0*

| FRS09_92a; adapted (a) CIELAB data |                                       |                                  |                                  |                                     |                                     |
|------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
|                                    | <i>L* = L<sub>a</sub><sup>*</sup></i> | <i>a<sub>a</sub><sup>*</sup></i> | <i>b<sub>a</sub><sup>*</sup></i> | <i>C<sub>ab,a</sub><sup>*</sup></i> | <i>h<sub>ab,a</sub><sup>*</sup></i> |
| r00j                               | 35.47                                 | 63.32                            | 30.17                            | 70.15                               | 25                                  |
| r25j                               | 39.12                                 | 54.56                            | 49.45                            | 73.64                               | 42                                  |
| r50j                               | 50.64                                 | 39.15                            | 64.89                            | 75.79                               | 59                                  |
| r75j                               | 64.01                                 | 21.26                            | 82.83                            | 85.52                               | 76                                  |
| j00g                               | 83.18                                 | -4.37                            | 108.53                           | 108.62                              | 92                                  |
| j25g                               | 66.73                                 | -29.88                           | 83.06                            | 88.28                               | 110                                 |
| j50g                               | 54.03                                 | -48.3                            | 63.49                            | 79.78                               | 127                                 |
| j75g                               | 44.73                                 | -60.32                           | 42.64                            | 73.88                               | 145                                 |
| g00b                               | 47.59                                 | -49.07                           | 15.74                            | 51.54                               | 162                                 |
| g25b                               | 49.97                                 | -39.69                           | -6.71                            | 40.27                               | 190                                 |
| g50b                               | 51.85                                 | -32.32                           | -24.34                           | 40.48                               | 217                                 |
| g75b                               | 46.92                                 | -17.28                           | -36.01                           | 39.96                               | 244                                 |
| b00r                               | 37.91                                 | 1.28                             | -42.34                           | 42.37                               | 272                                 |
| b25r                               | 23.81                                 | 30.38                            | -52.25                           | 60.45                               | 300                                 |
| b50r                               | 29.52                                 | 69.06                            | -42.13                           | 80.9                                | 329                                 |
| b75r                               | 36.48                                 | 71.47                            | -3.68                            | 71.57                               | 357                                 |



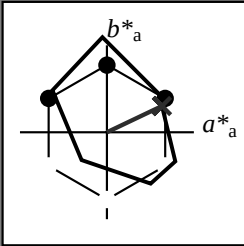
%Gamut  
*u<sub>rel</sub><sup>\*</sup> = 109*  
%Regularity  
*g<sub>H,rel</sub><sup>\*</sup> = 31*  
*g<sub>C,rel</sub><sup>\*</sup> = 40*

| FRS09_92a; adapted (a) CIELAB data |                                       |                                  |                                  |                                     |                                     |
|------------------------------------|---------------------------------------|----------------------------------|----------------------------------|-------------------------------------|-------------------------------------|
|                                    | <i>L* = L<sub>a</sub><sup>*</sup></i> | <i>a<sub>a</sub><sup>*</sup></i> | <i>b<sub>a</sub><sup>*</sup></i> | <i>C<sub>ab,a</sub><sup>*</sup></i> | <i>h<sub>ab,a</sub><sup>*</sup></i> |
| O <sub>Ma</sub>                    | 35.06                                 | 60.0                             | 44.0                             | 74.4                                | 36                                  |
| Y <sub>Ma</sub>                    | 83.77                                 | -5.16                            | 109.32                           | 109.44                              | 93                                  |
| L <sub>Ma</sub>                    | 44.13                                 | -62.66                           | 48.24                            | 79.09                               | 142                                 |
| C <sub>Ma</sub>                    | 52.66                                 | -29.13                           | -31.98                           | 43.27                               | 228                                 |
| V <sub>Ma</sub>                    | 14.15                                 | 50.3                             | -59.03                           | 77.57                               | 310                                 |
| M <sub>Ma</sub>                    | 37.37                                 | 78.64                            | -33.49                           | 85.48                               | 337                                 |
| N <sub>Ma</sub>                    | 8.58                                  | 0.0                              | 0.0                              | 0.0                                 | 0                                   |
| W <sub>Ma</sub>                    | 92.02                                 | 0.0                              | 0.0                              | 0.0                                 | 0                                   |
| R <sub>CIE</sub>                   | 39.92                                 | 58.74                            | 27.99                            | 65.07                               | 25                                  |
| J <sub>CIE</sub>                   | 81.26                                 | -2.88                            | 71.56                            | 71.62                               | 92                                  |
| G <sub>CIE</sub>                   | 52.23                                 | -42.41                           | 13.6                             | 44.55                               | 162                                 |
| B <sub>CIE</sub>                   | 30.57                                 | 1.41                             | -46.46                           | 46.49                               | 272                                 |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r00j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

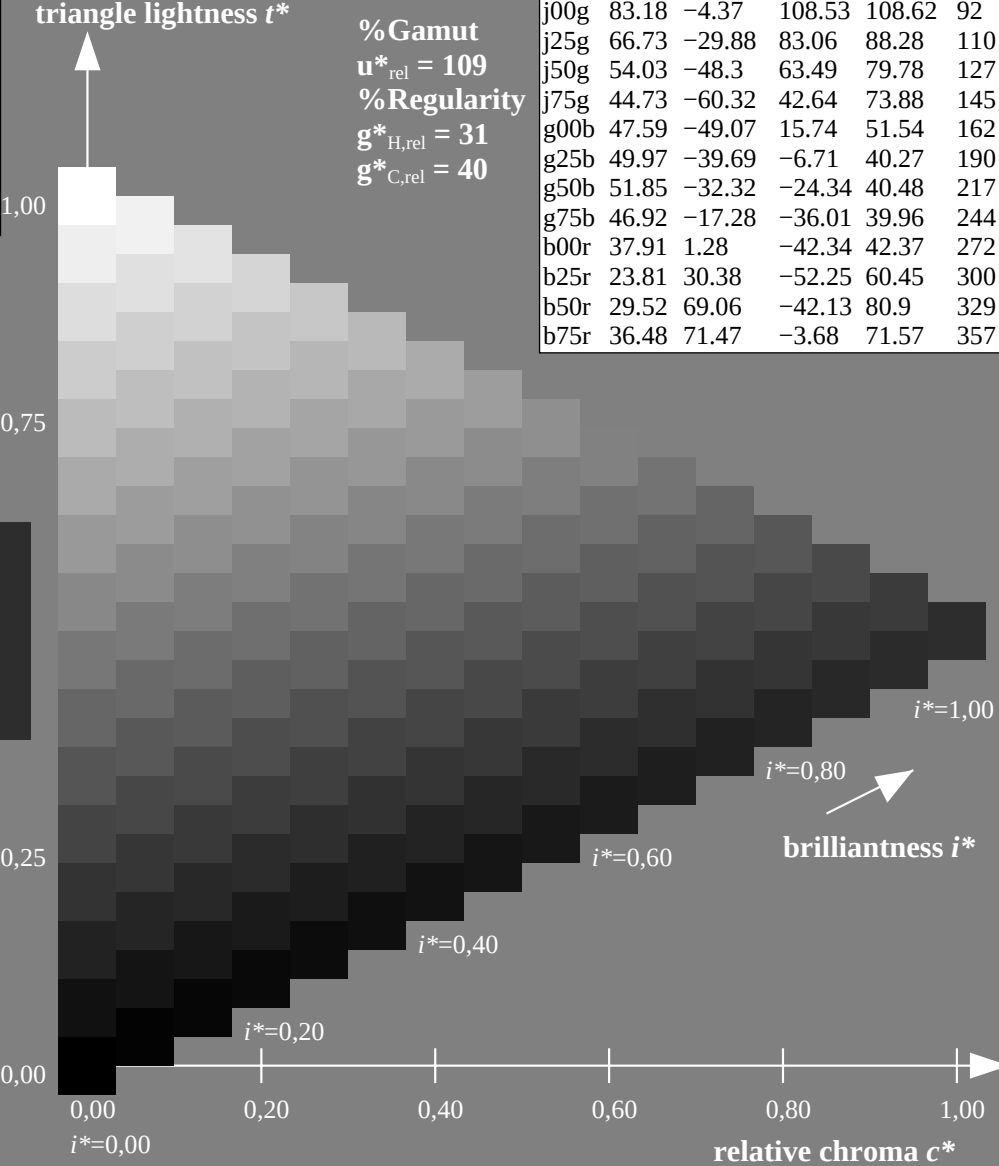
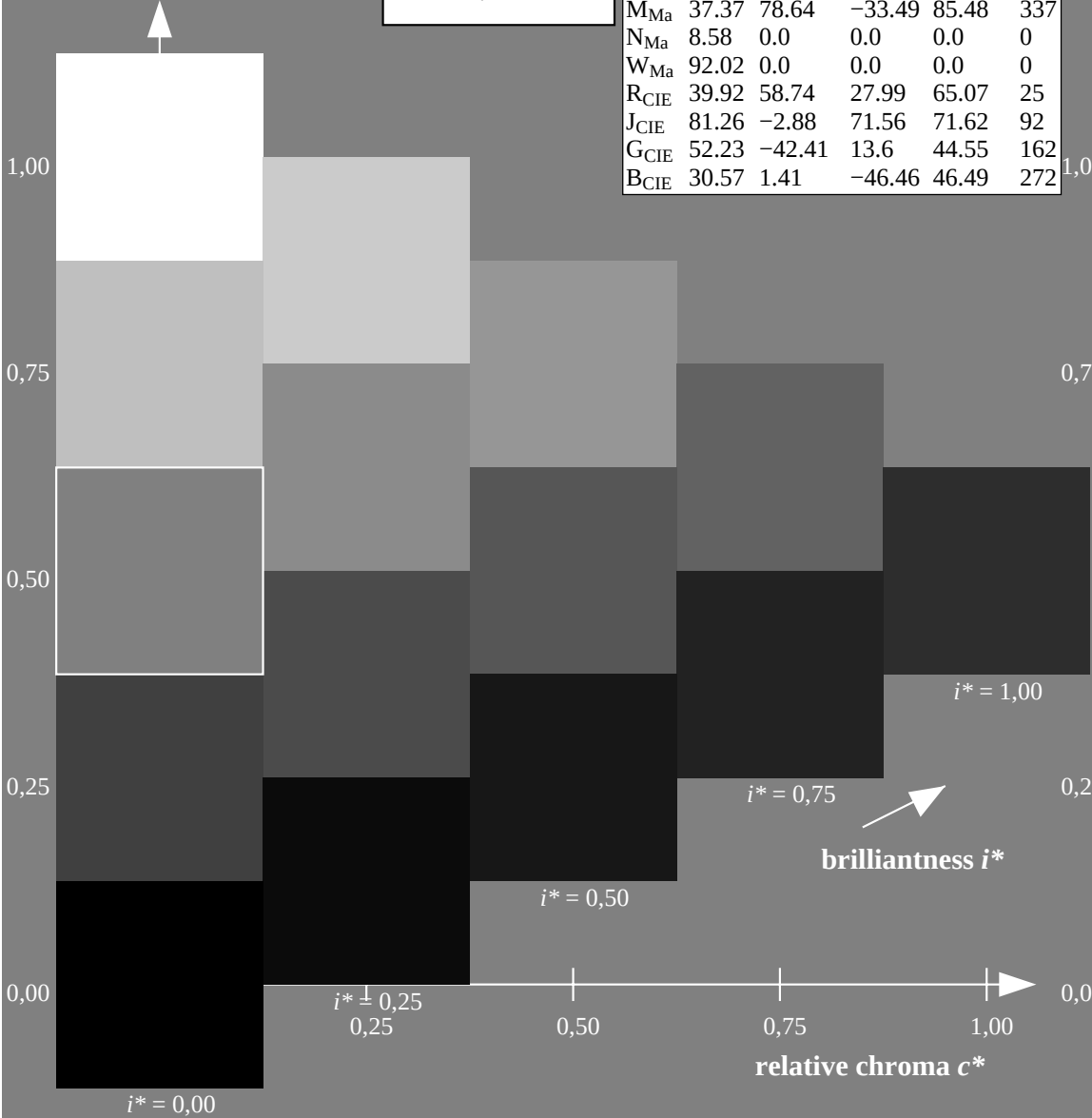


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

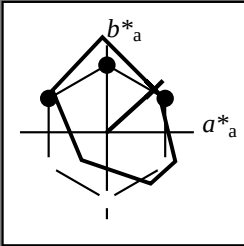
$LAB^*LAB^*Ma$ : 35 63 30  
 $LAB^*LCH^*Ma$ : 35 70 25  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.0  
 $lab^*olv^*Ma$ : 1.0 0.0 0.18

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r25j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

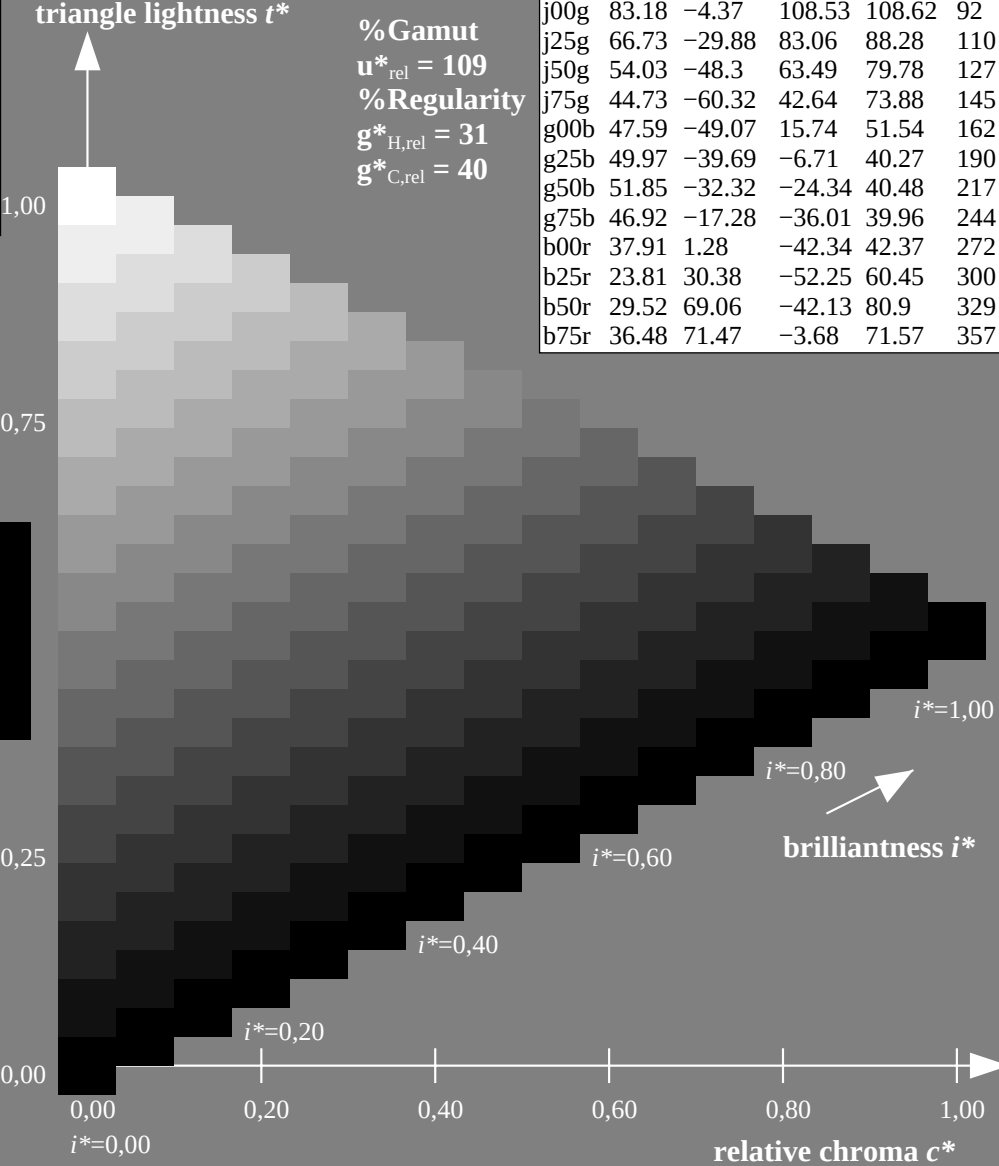
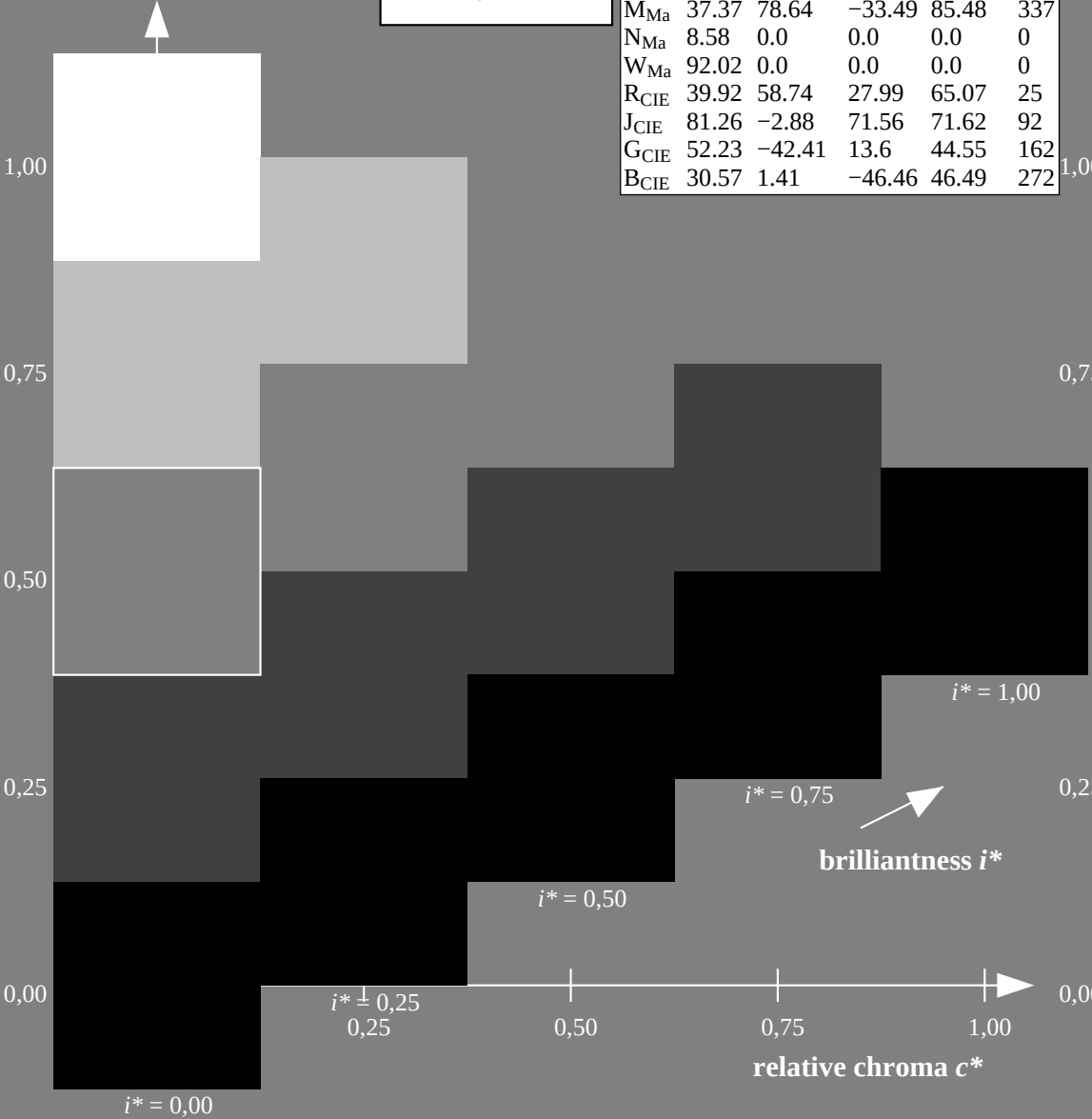


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

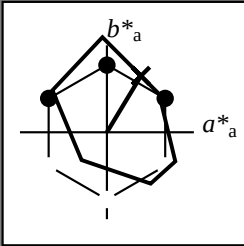
$LAB^*LAB^*Ma$ : 39 55 49  
 $LAB^*LCH^*Ma$ : 39 74 42  
 $lab^*rgb^*Ma$ : 1.0 0.25 0.0  
 $lab^*olv^*Ma$ : 1.0 0.08 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$  data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r50j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

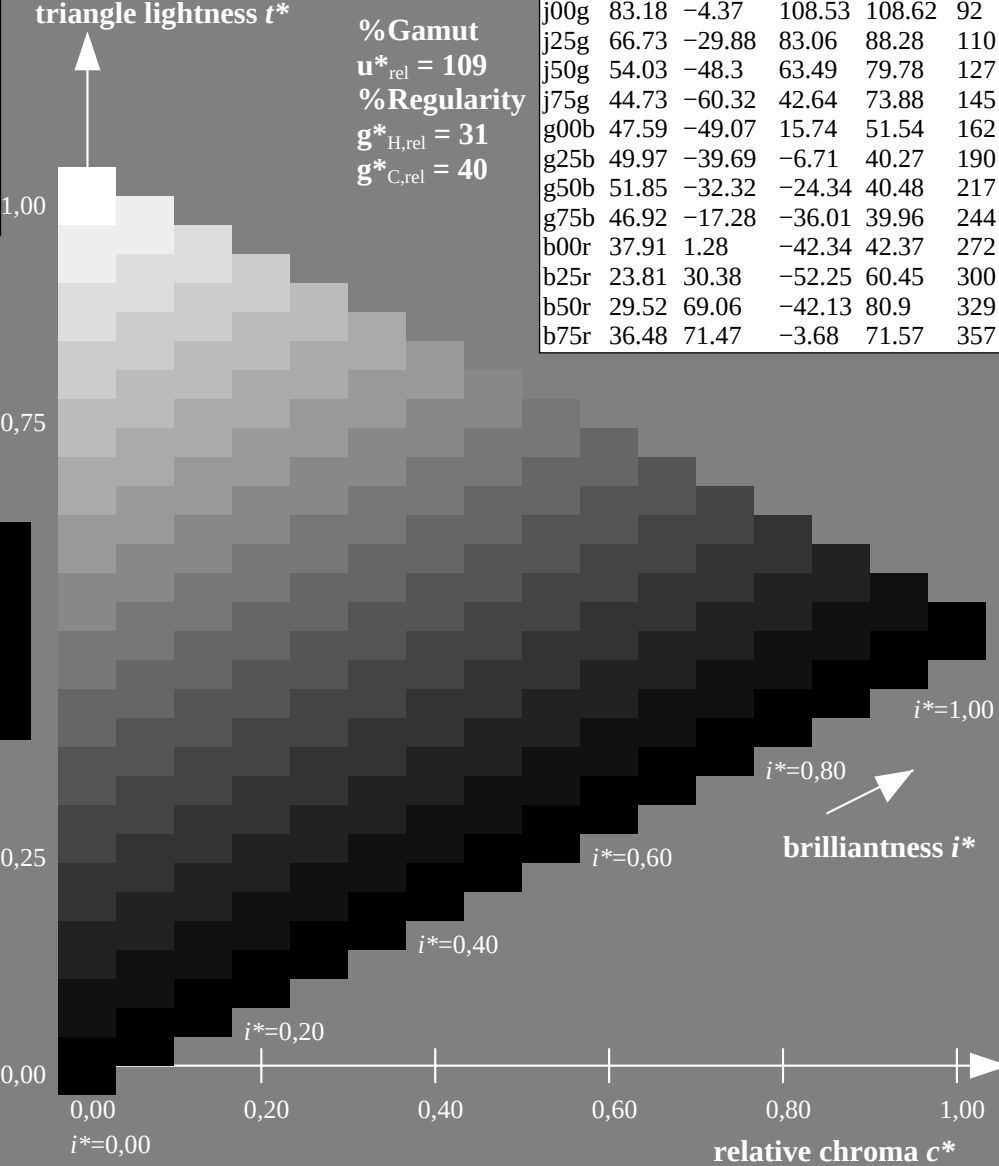
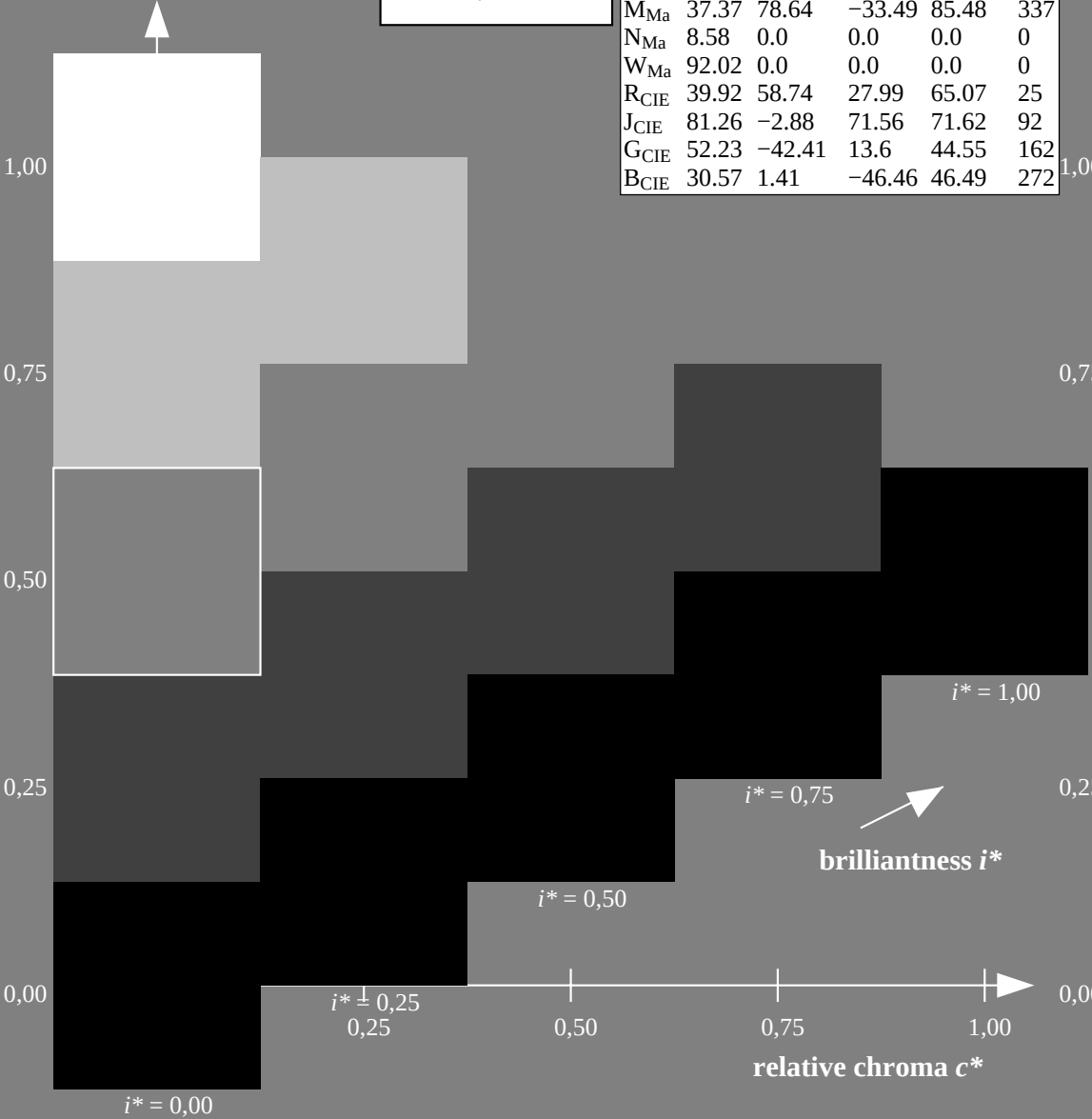


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

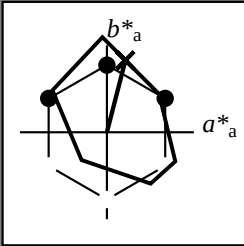
$LAB^*LAB^*Ma$ : 51 39 65  
 $LAB^*LCH^*Ma$ : 51 76 59  
 $lab^*rgb^*Ma$ : 1.0 0.5 0.0  
 $lab^*olv^*Ma$ : 1.0 0.32 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = r75j$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

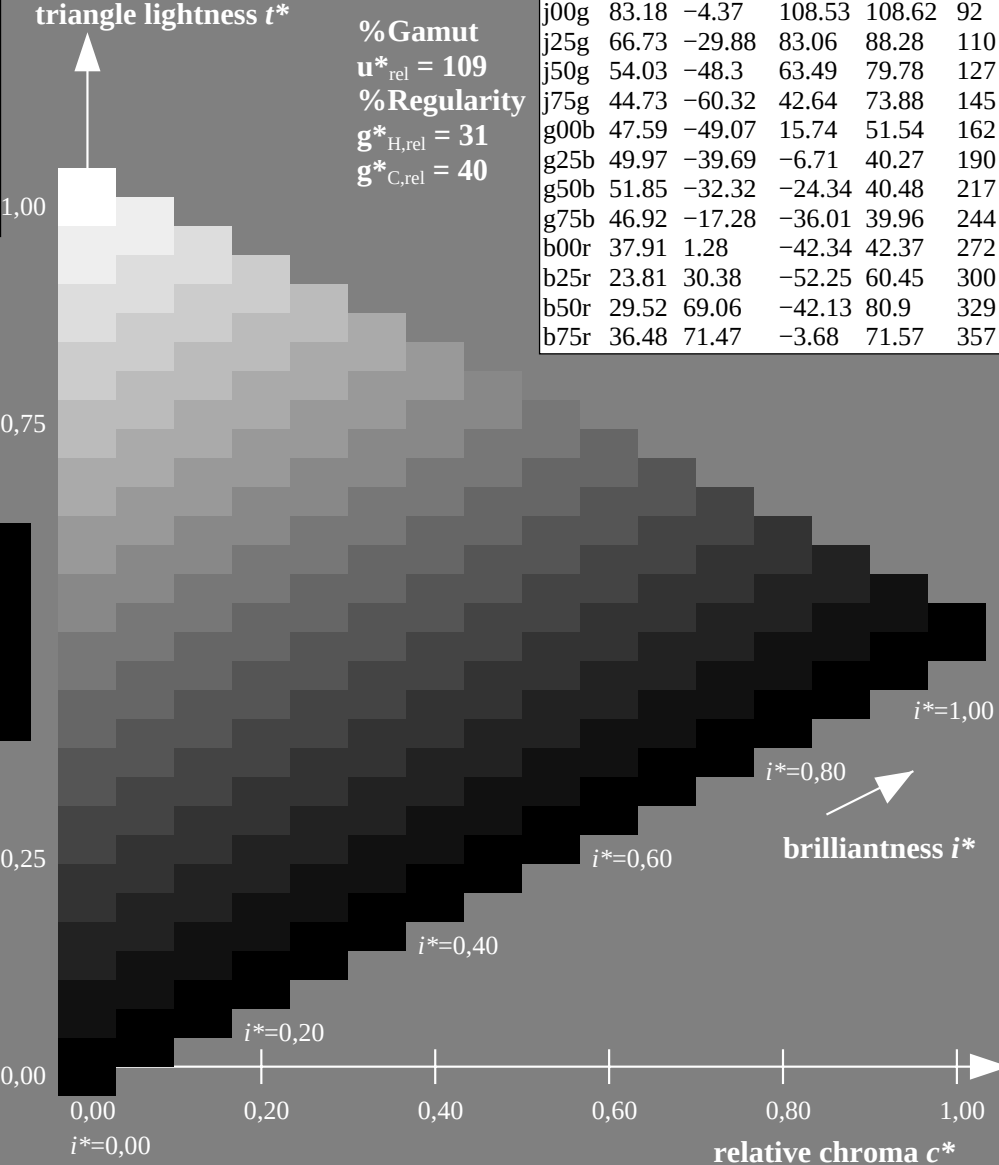
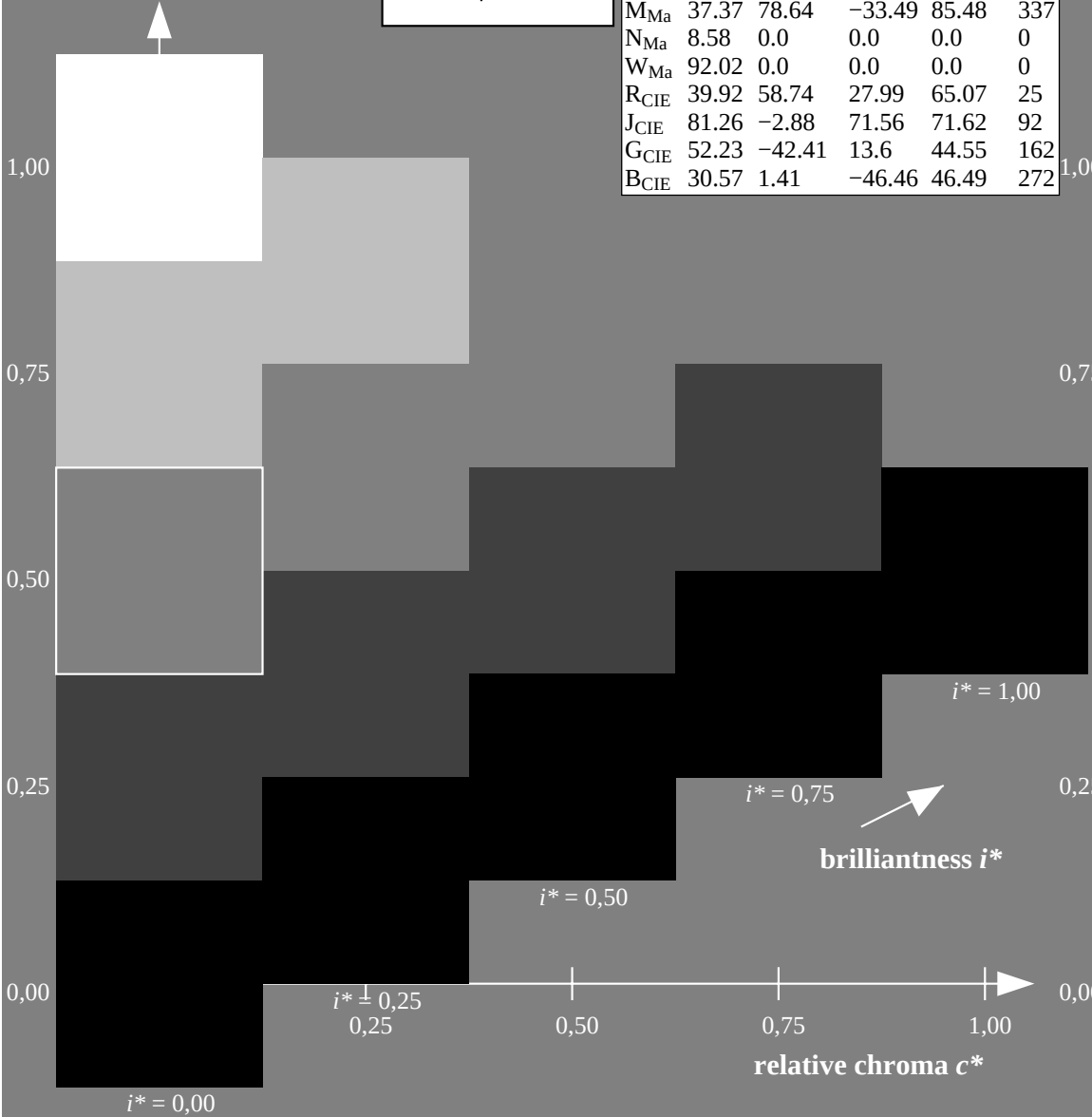


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

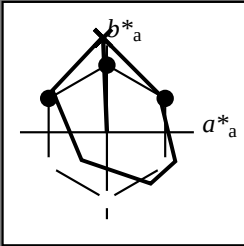
$LAB^*LAB^*Ma$ : 64 21 83  
 $LAB^*LCH^*Ma$ : 64 86 76  
 $lab^*rgb^*Ma$ : 1.0 0.75 0.0  
 $lab^*olv^*Ma$ : 1.0 0.59 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j00g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

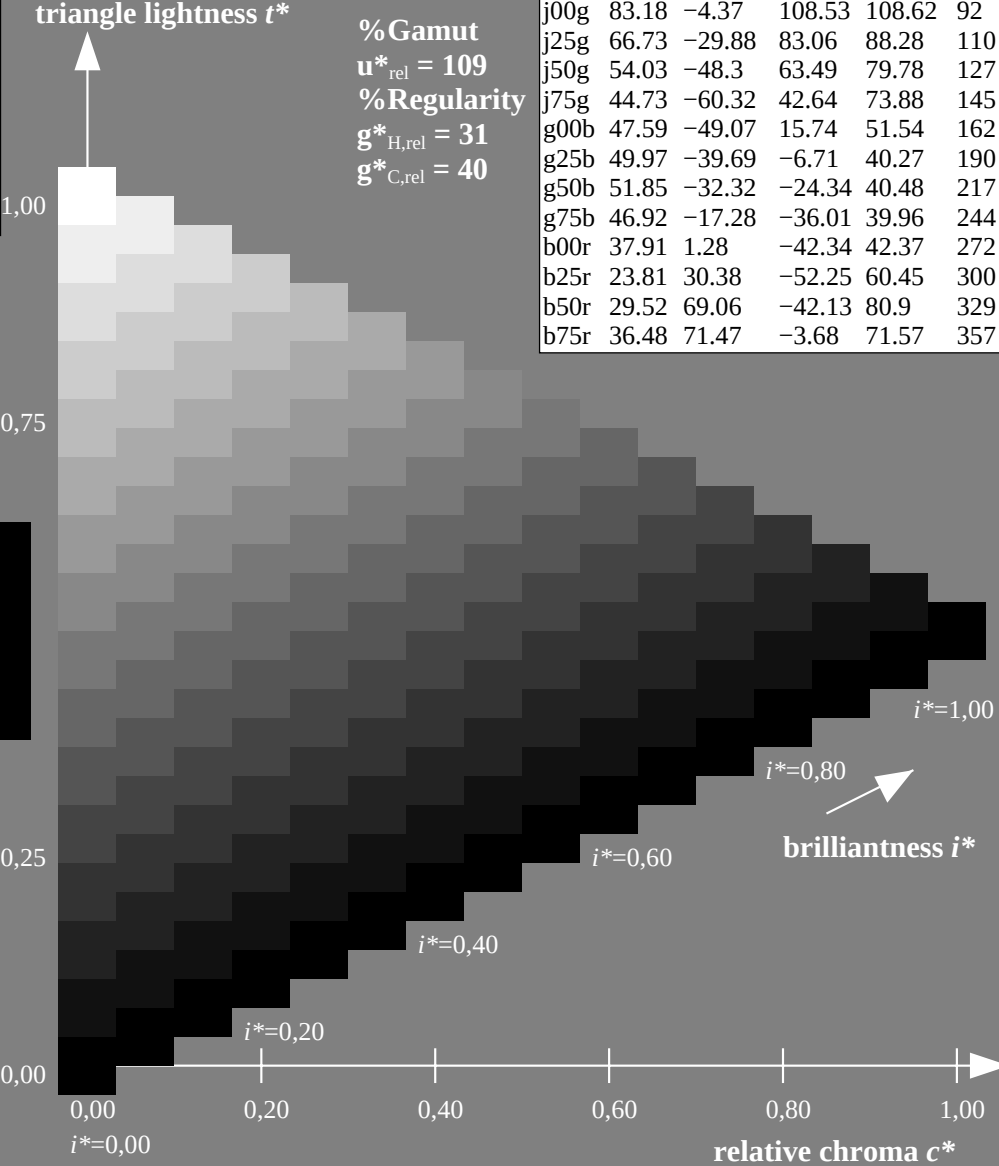
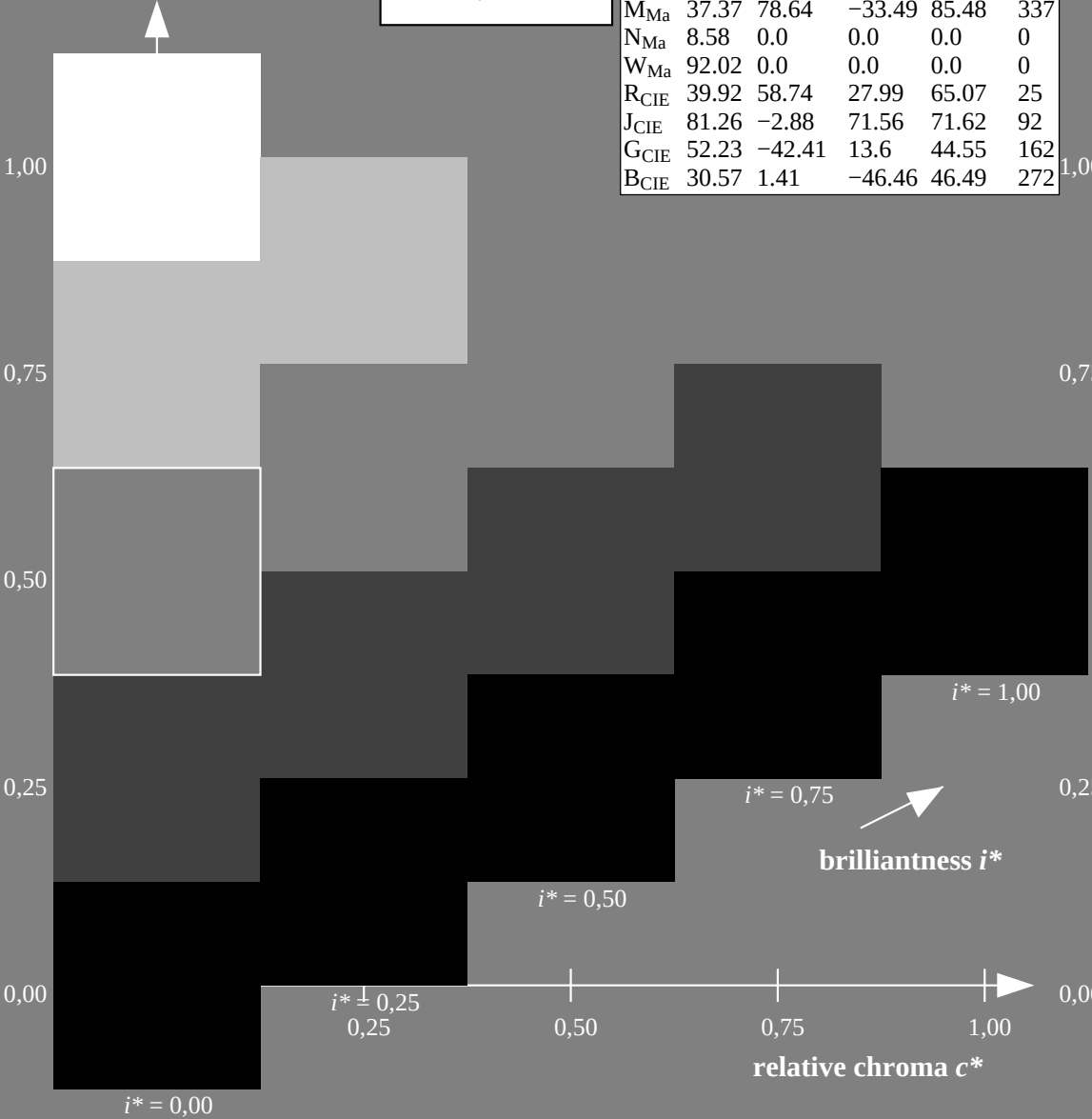


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

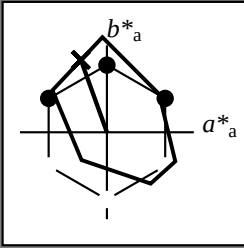
$LAB^*LAB^*Ma: 83 -3 109$   
 $LAB^*LCH^*Ma: 83 109 92$   
 $lab^*rgb^*Ma: 1.0 1.0 0.0$   
 $lab^*olv^*Ma: 1.0 0.99 0.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$   
data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j25g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

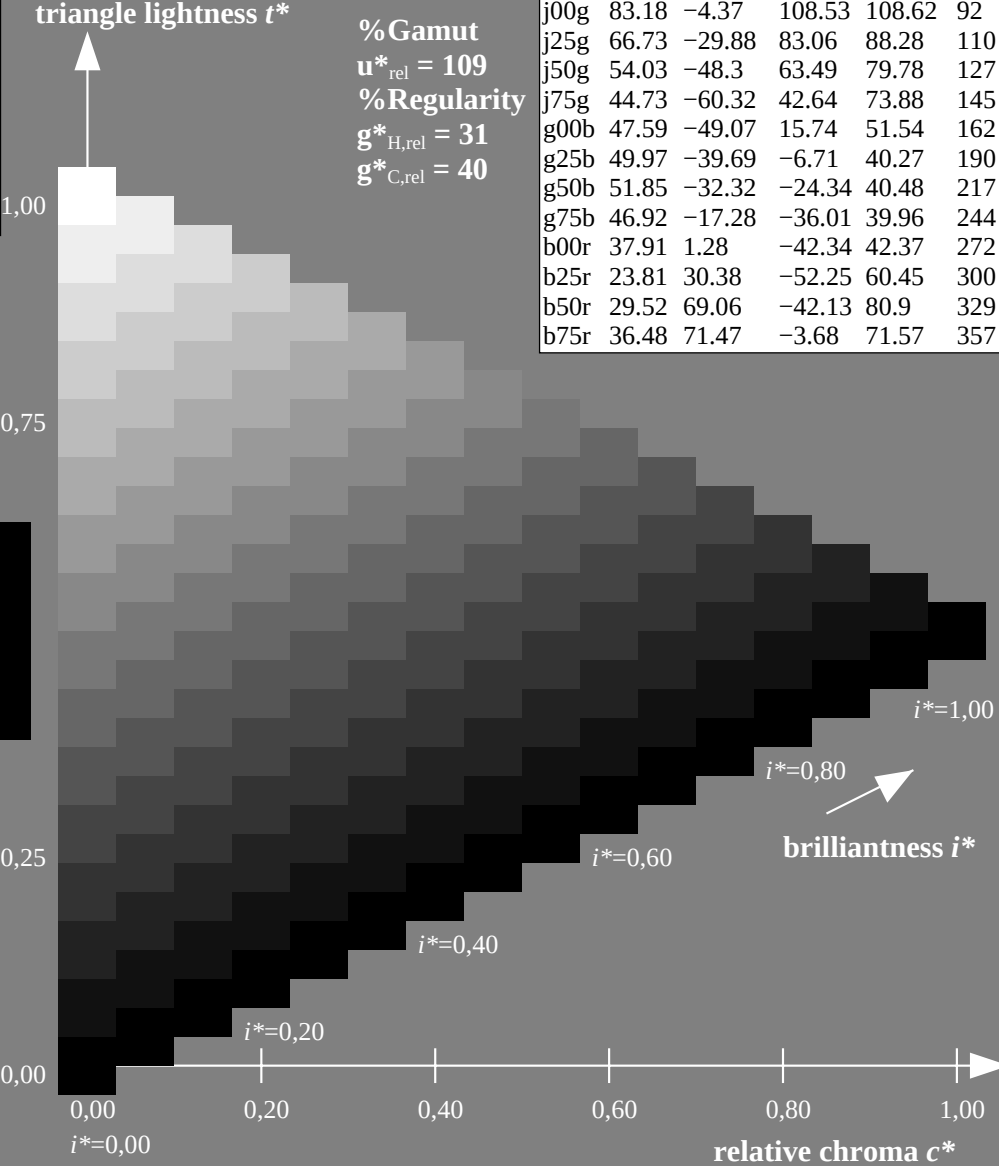
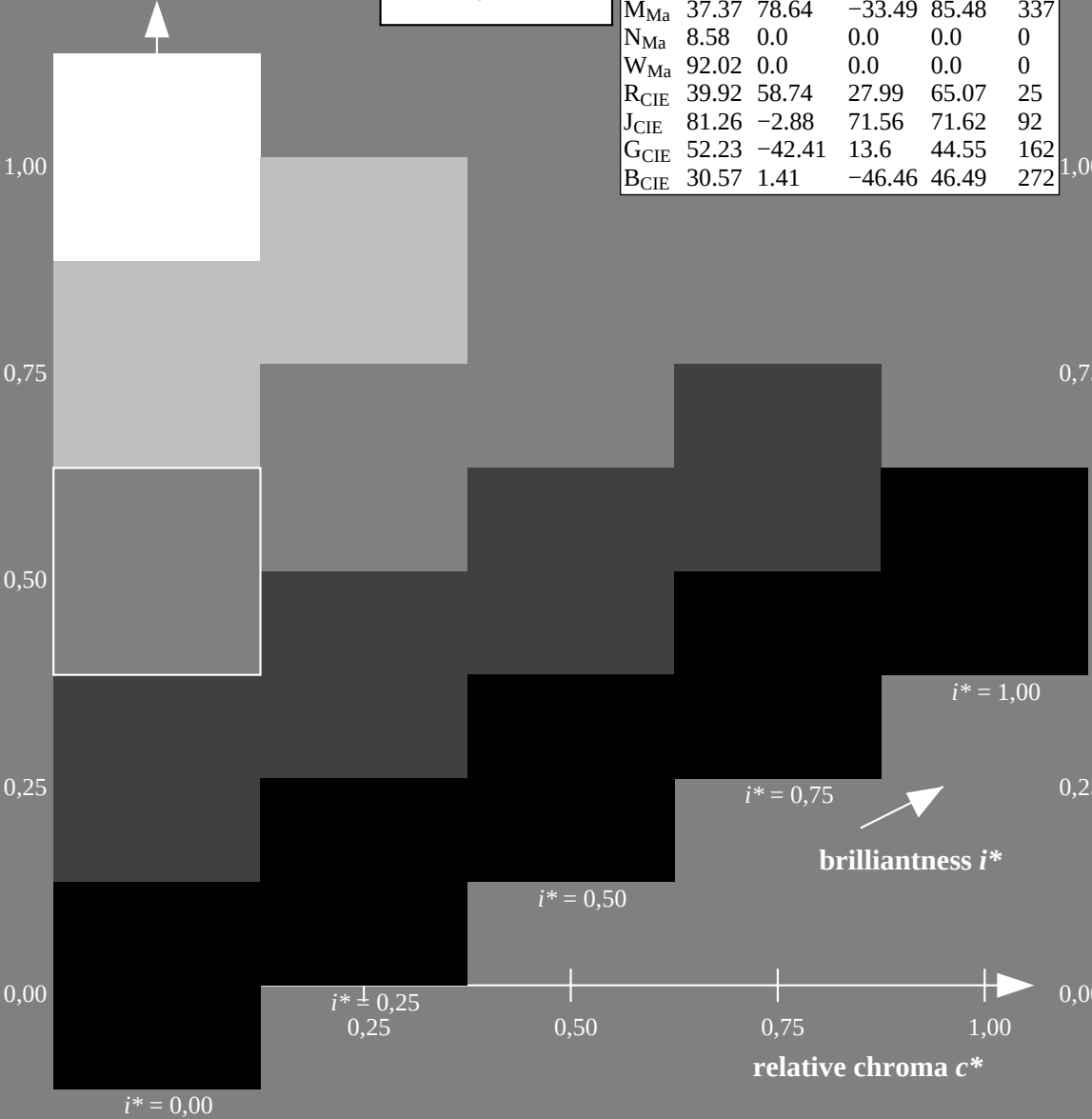


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 67 -29 83  
 $LAB^*LCH^*Ma$ : 67 88 110  
 $lab^*rgb^*Ma$ : 0.75 1.0 0.0  
 $lab^*olv^*Ma$ : 0.57 1.0 0.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$  data for any colour:

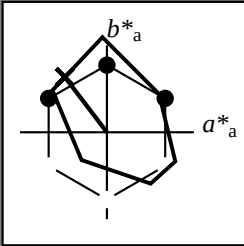
$lab^*tch^*$  and  $lab^*icu^*$   
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 54 -47 63$

$LAB^*LCH^*Ma: 54 80 127$

$lab^*rgb^*Ma: 0.5 1.0 0.0$

$lab^*olv^*Ma: 0.25 1.0 0.0$

triangle lightness  $t^*$

% Gamut

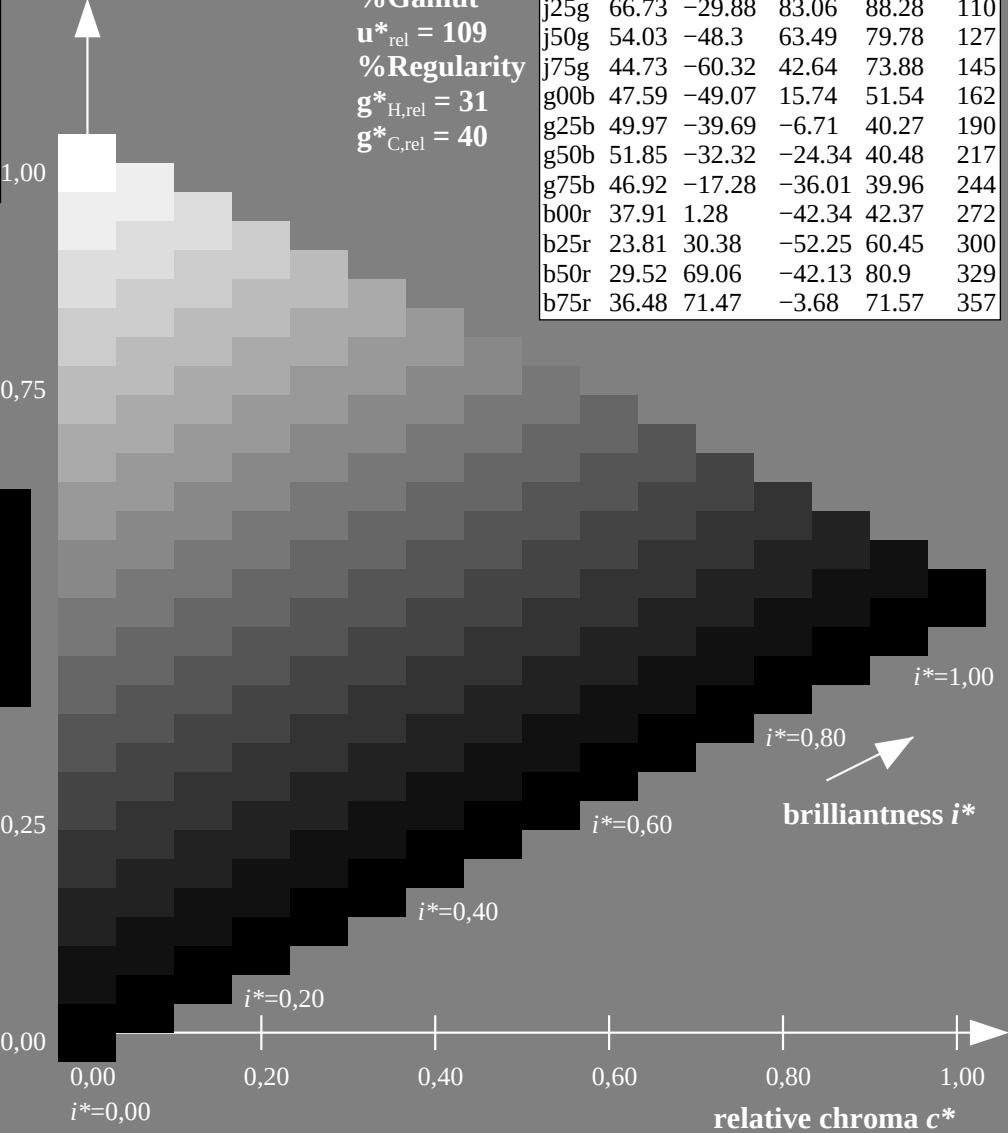
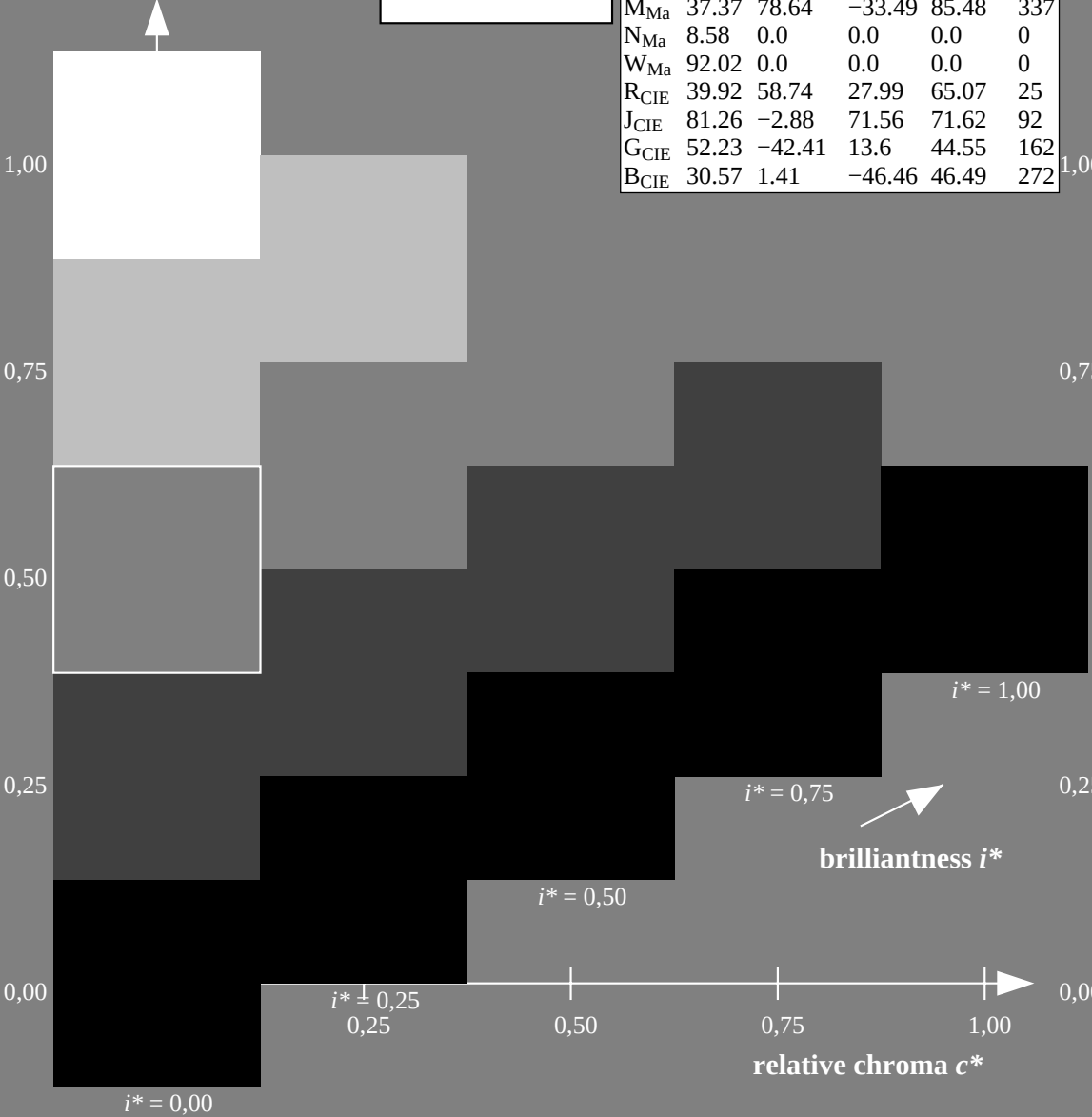
$u^*_{rel} = 109$

% Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

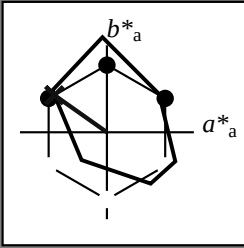
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = j75g$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

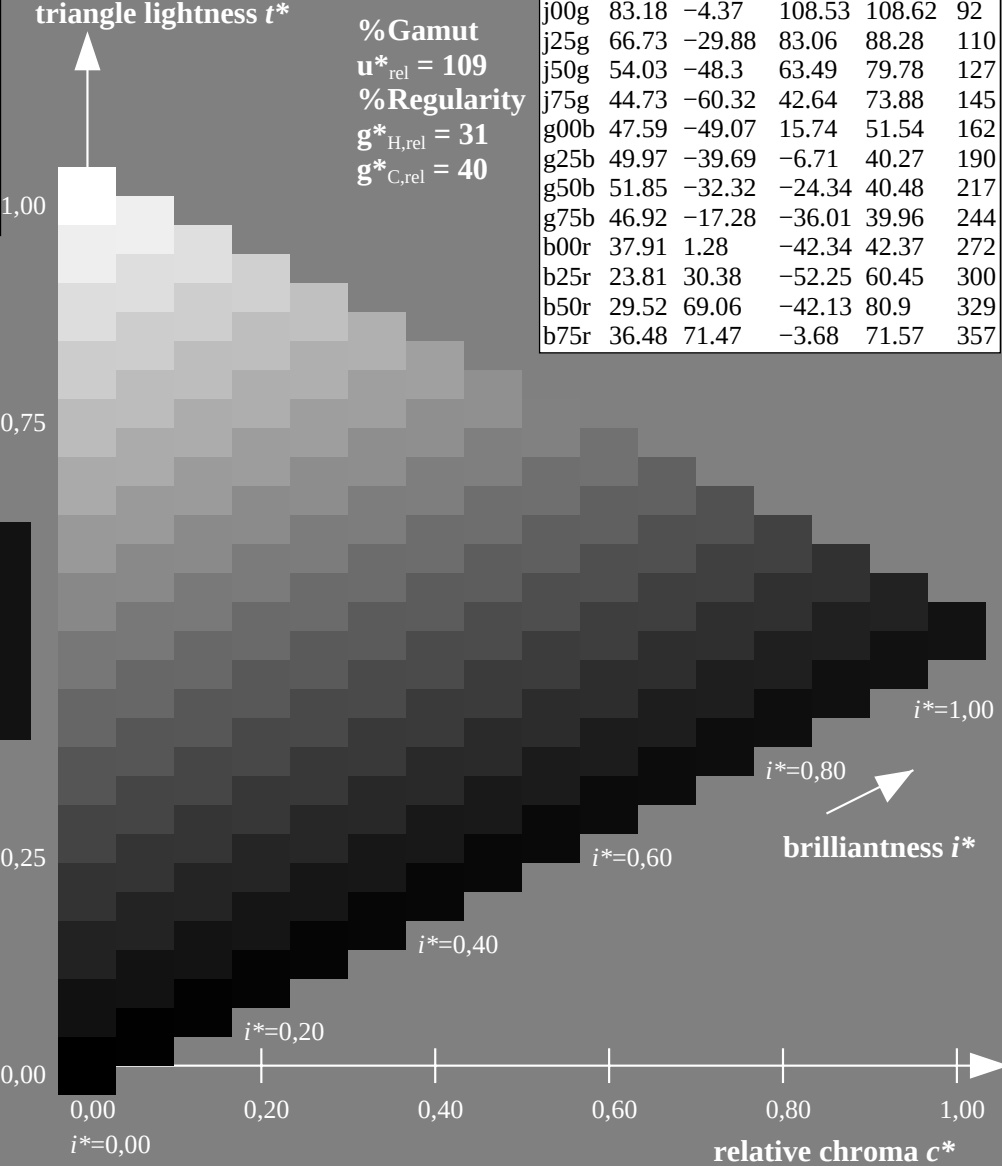
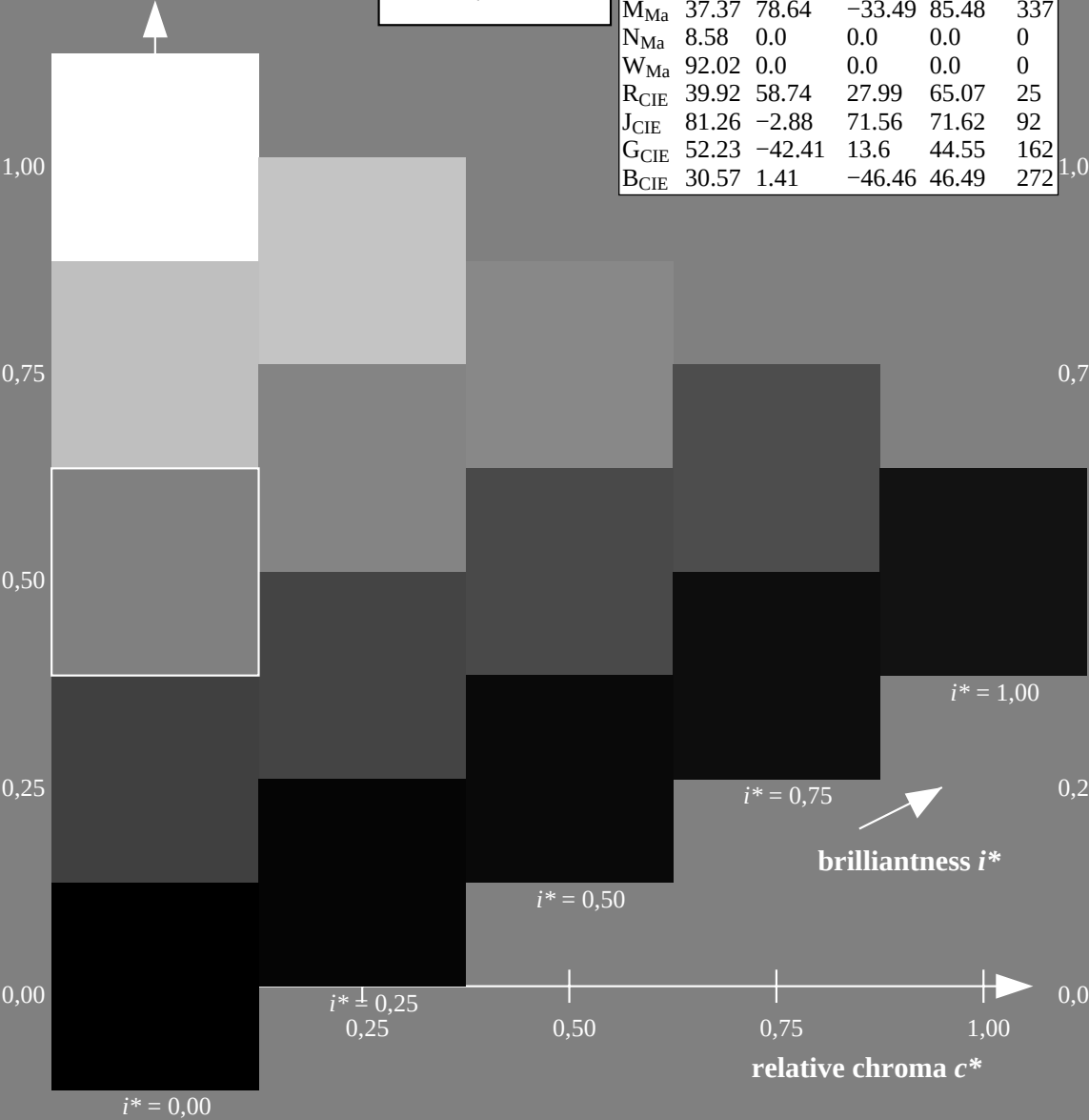


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

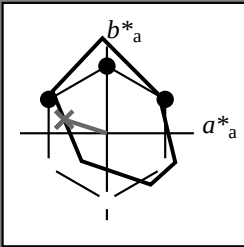
$LAB^*LAB^*Ma$ : 45 -59 43  
 $LAB^*LCH^*Ma$ : 45 74 145  
 $lab^*rgb^*Ma$ : 0.25 1.0 0.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.07

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g00b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

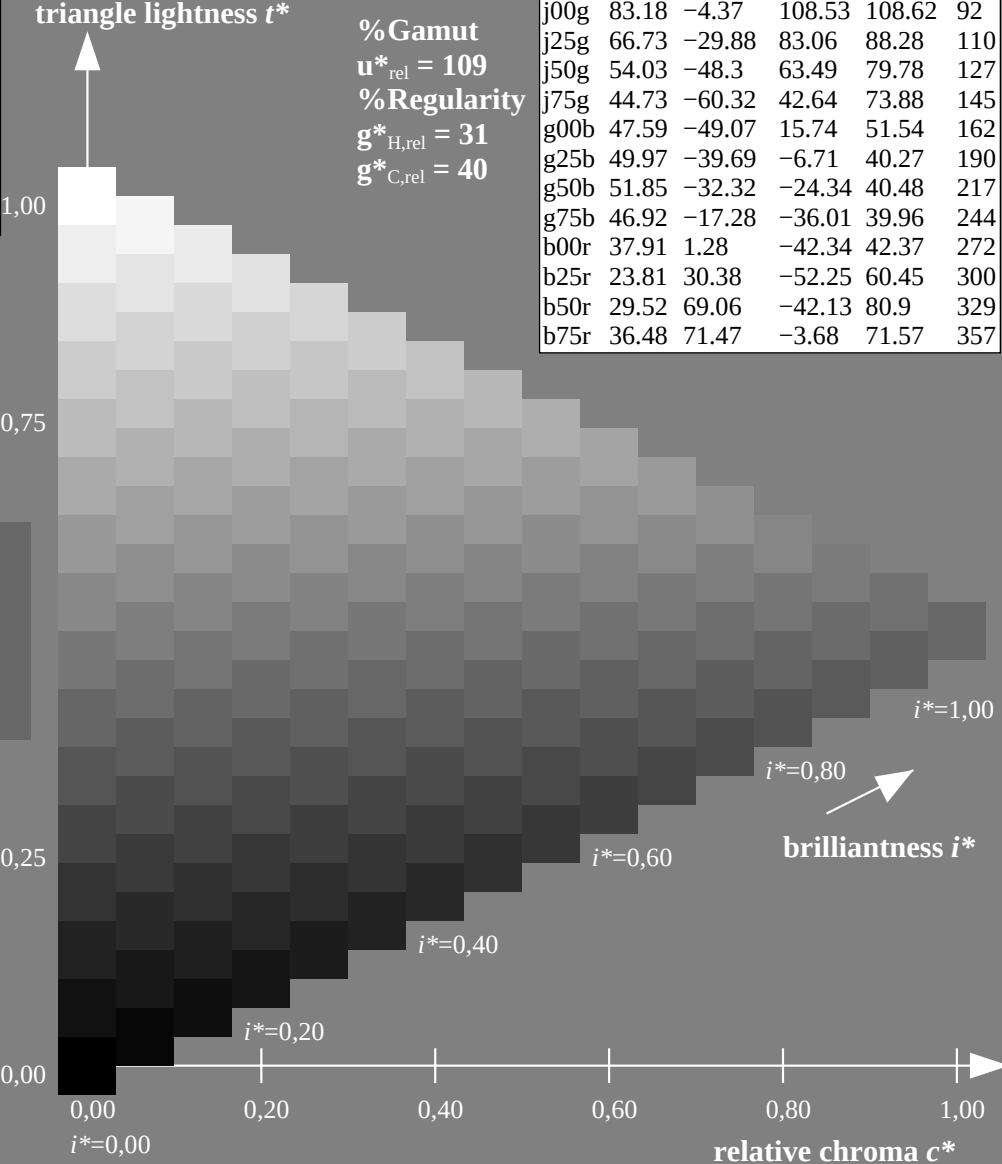
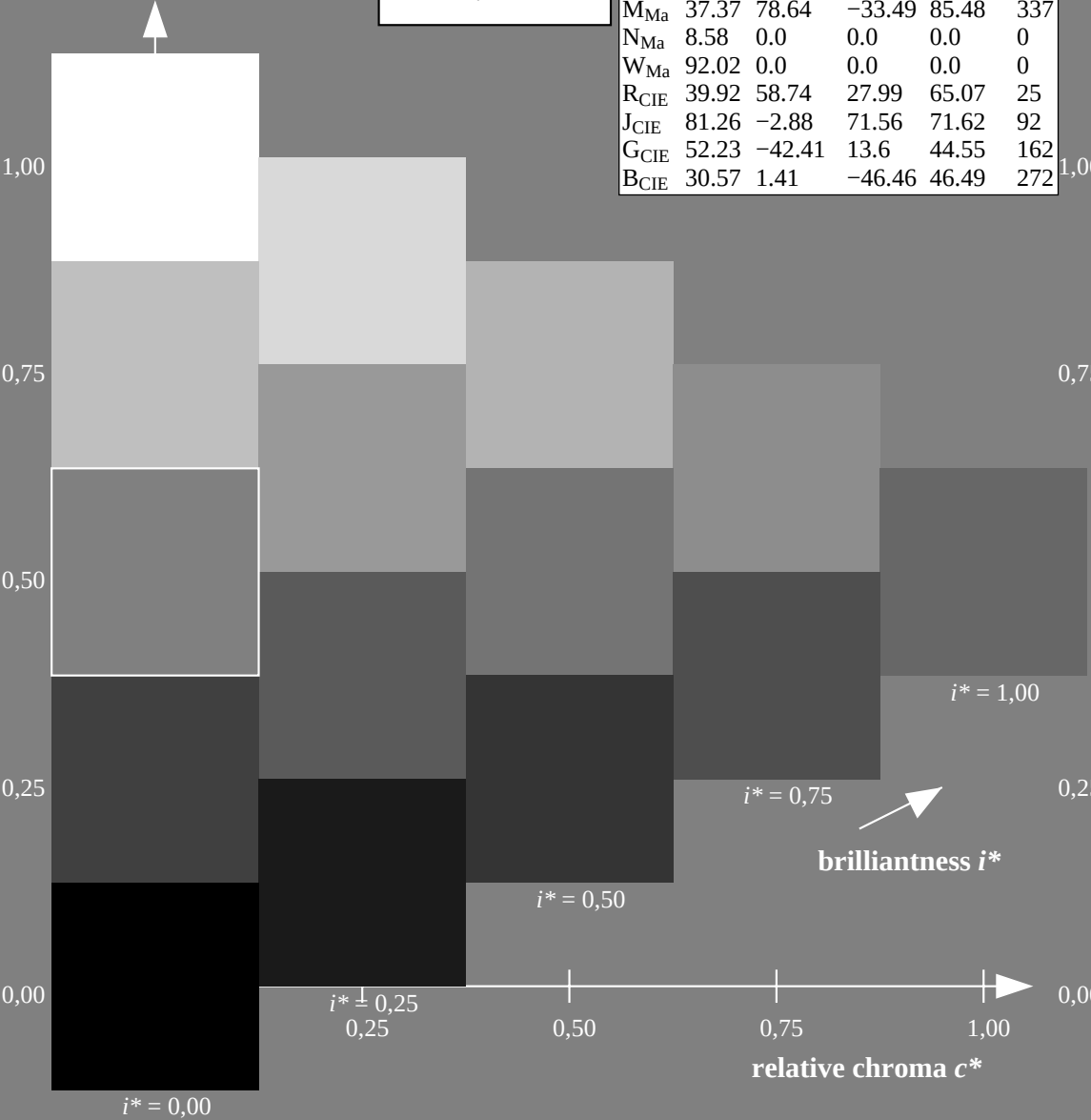


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

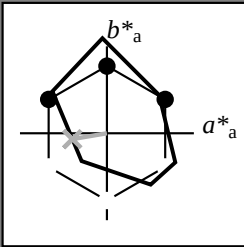
$LAB^*LAB^*Ma: 48 \ 48 \ 16$   
 $LAB^*LCH^*Ma: 48 \ 52 \ 162$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.0$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.41$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g25b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

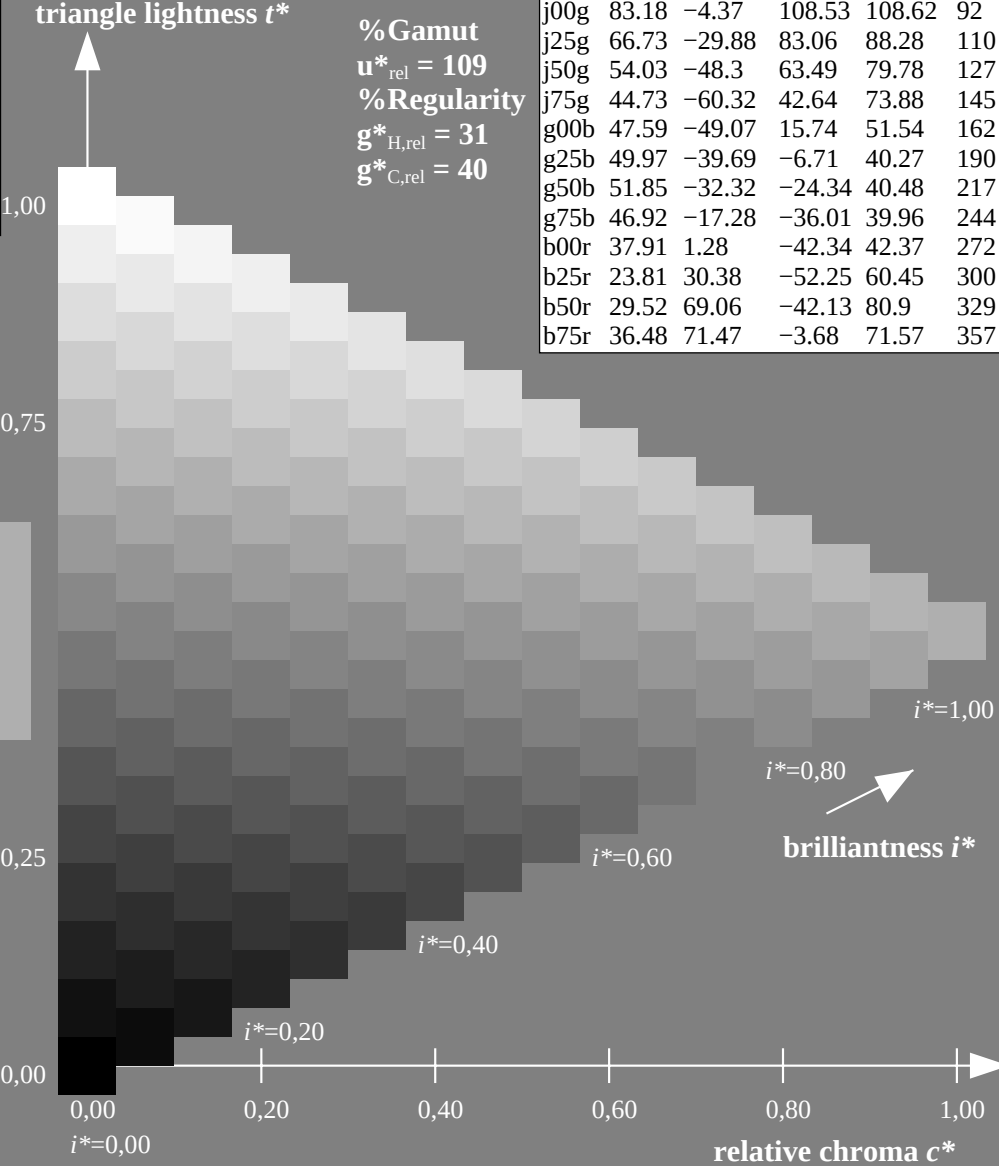
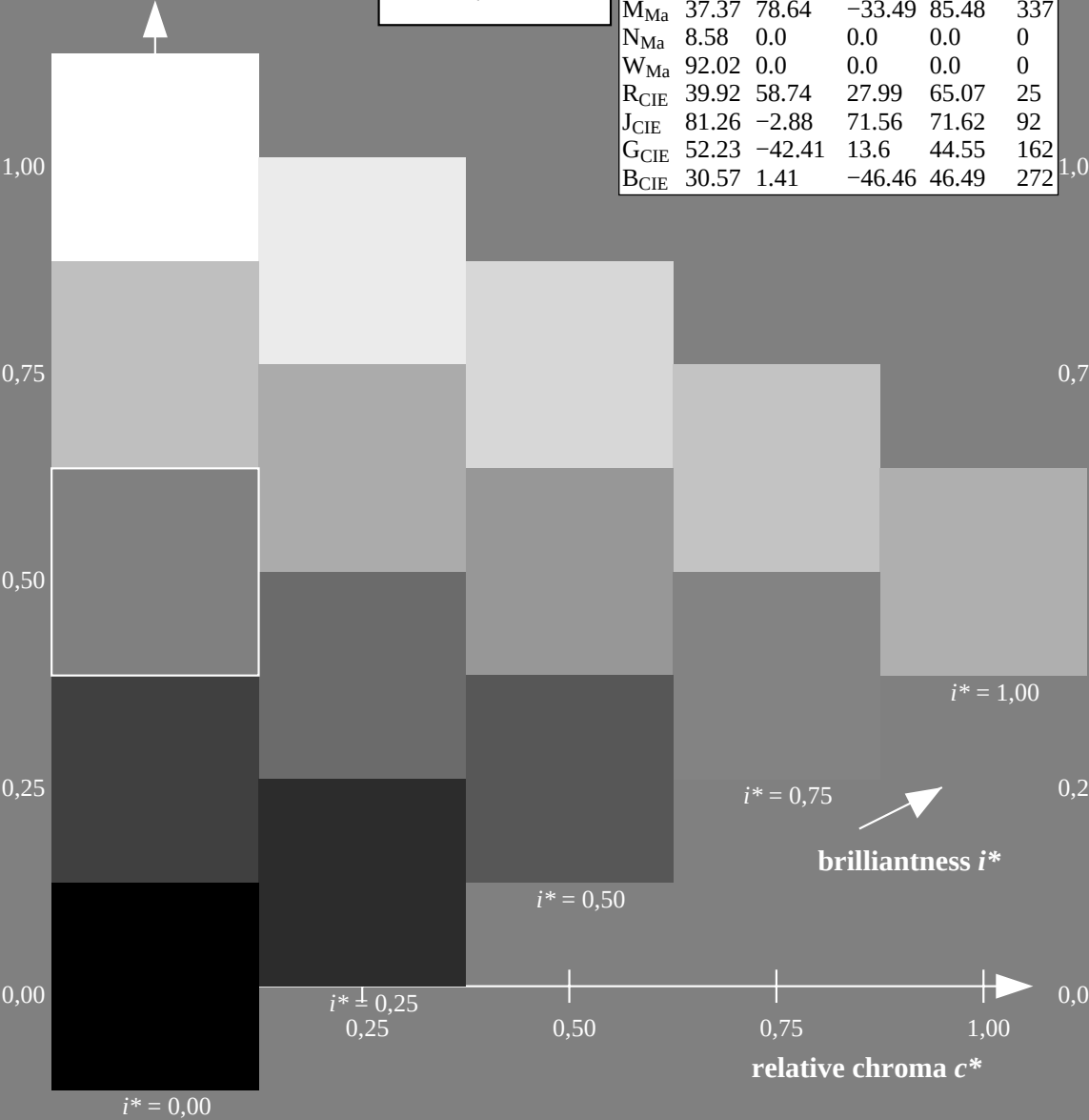


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

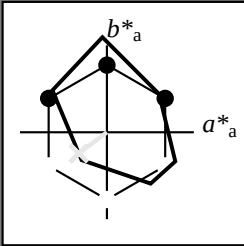
$LAB^*LAB^*Ma: 50 \ -39 \ -6$   
 $LAB^*LCH^*Ma: 50 \ 40 \ 190$   
 $lab^*rgb^*Ma: 0.0 \ 1.0 \ 0.5$   
 $lab^*olv^*Ma: 0.0 \ 1.0 \ 0.69$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g50b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

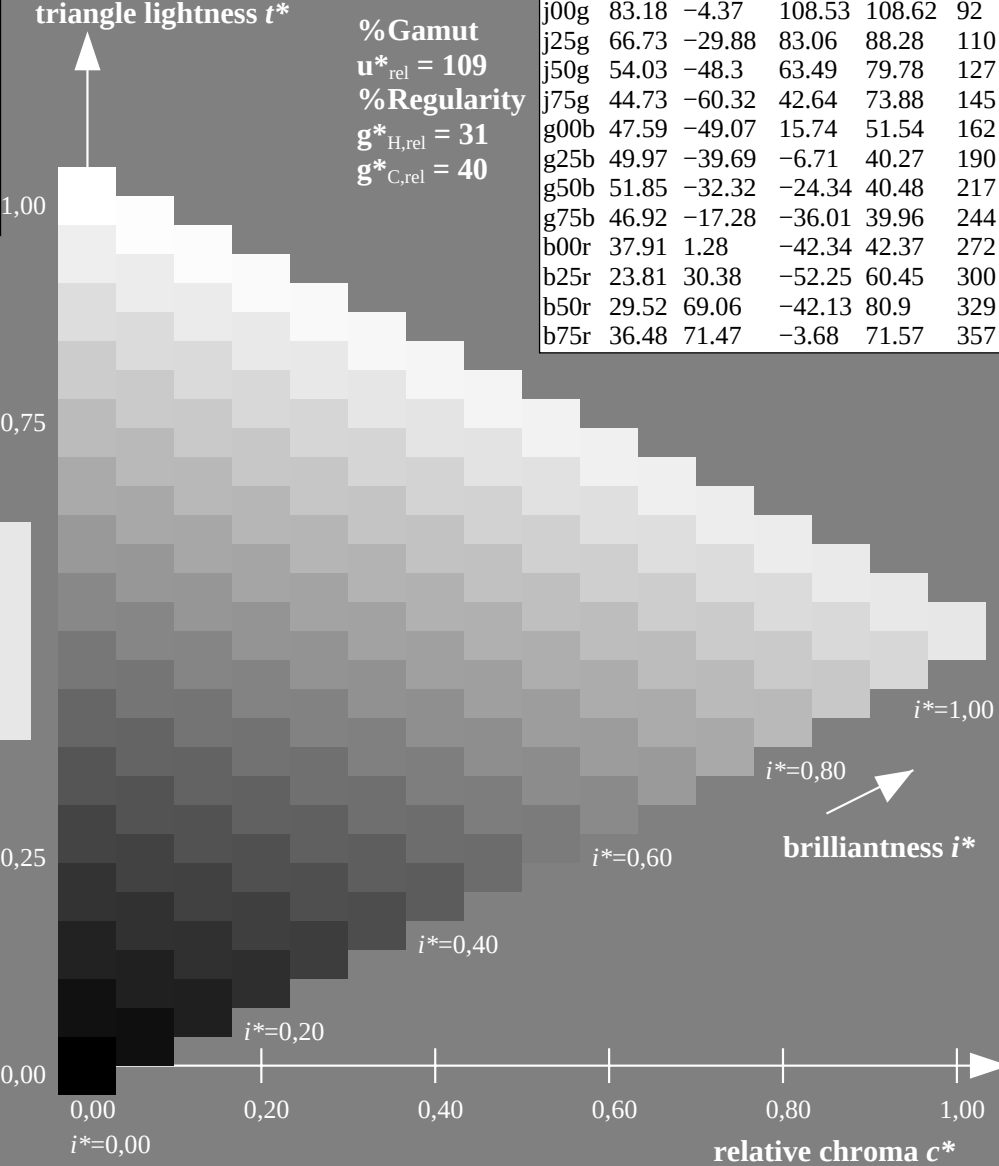
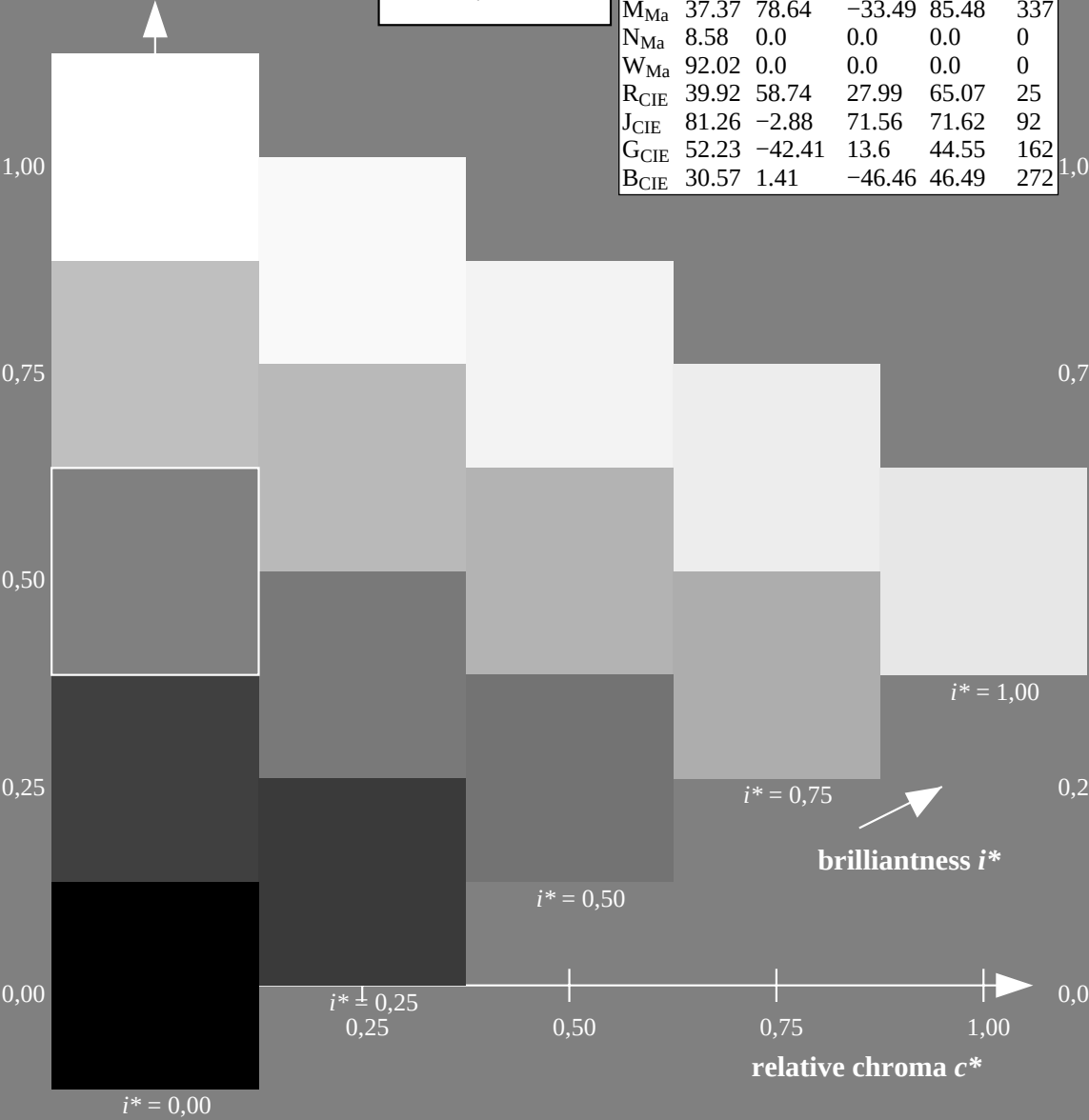


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

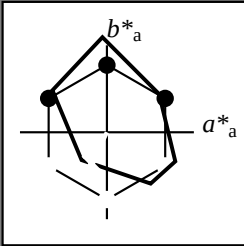
$LAB^*LAB^*Ma$ : 52 -31 -23  
 $LAB^*LCH^*Ma$ : 52 40 217  
 $lab^*rgb^*Ma$ : 0.0 1.0 1.0  
 $lab^*olv^*Ma$ : 0.0 1.0 0.9

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = g75b$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

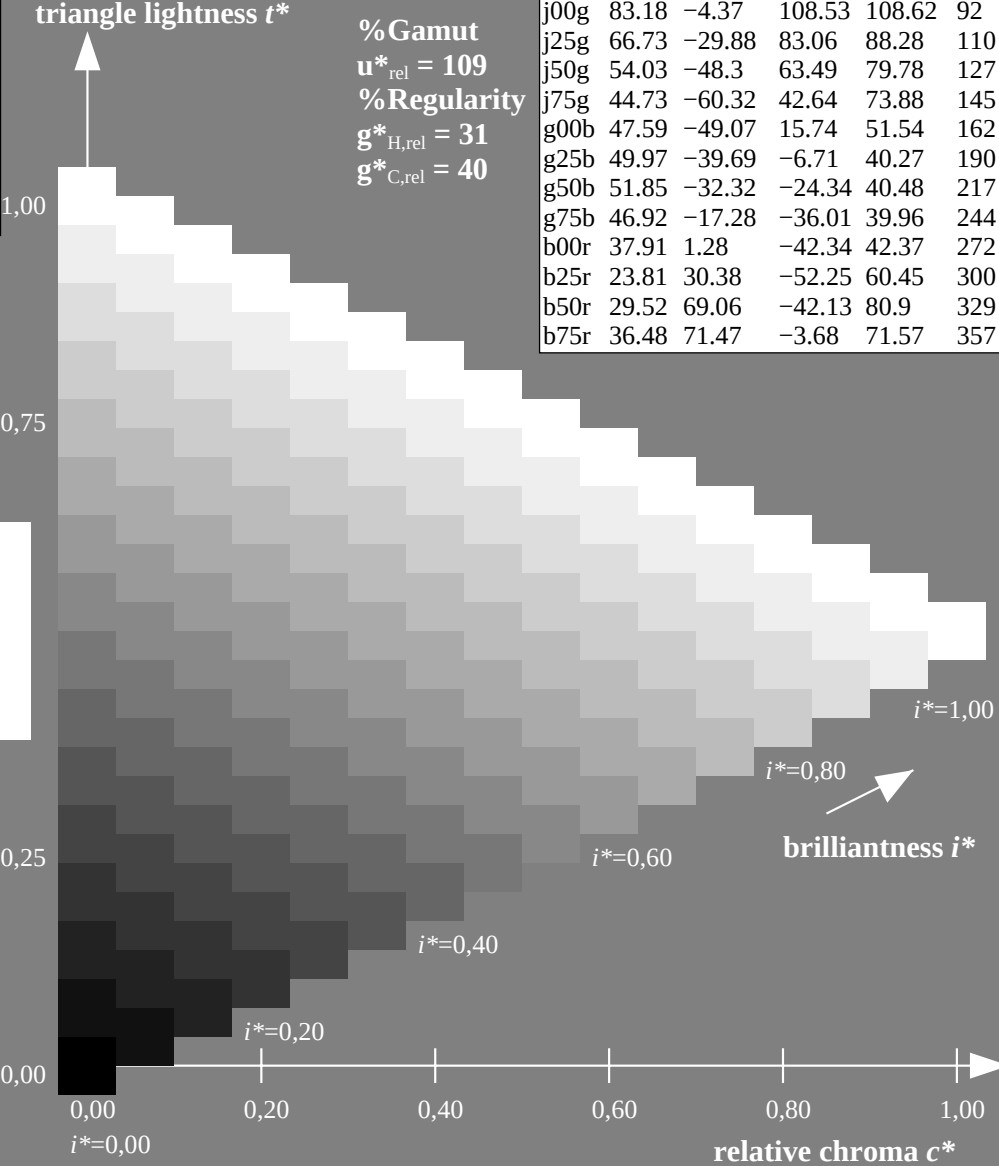
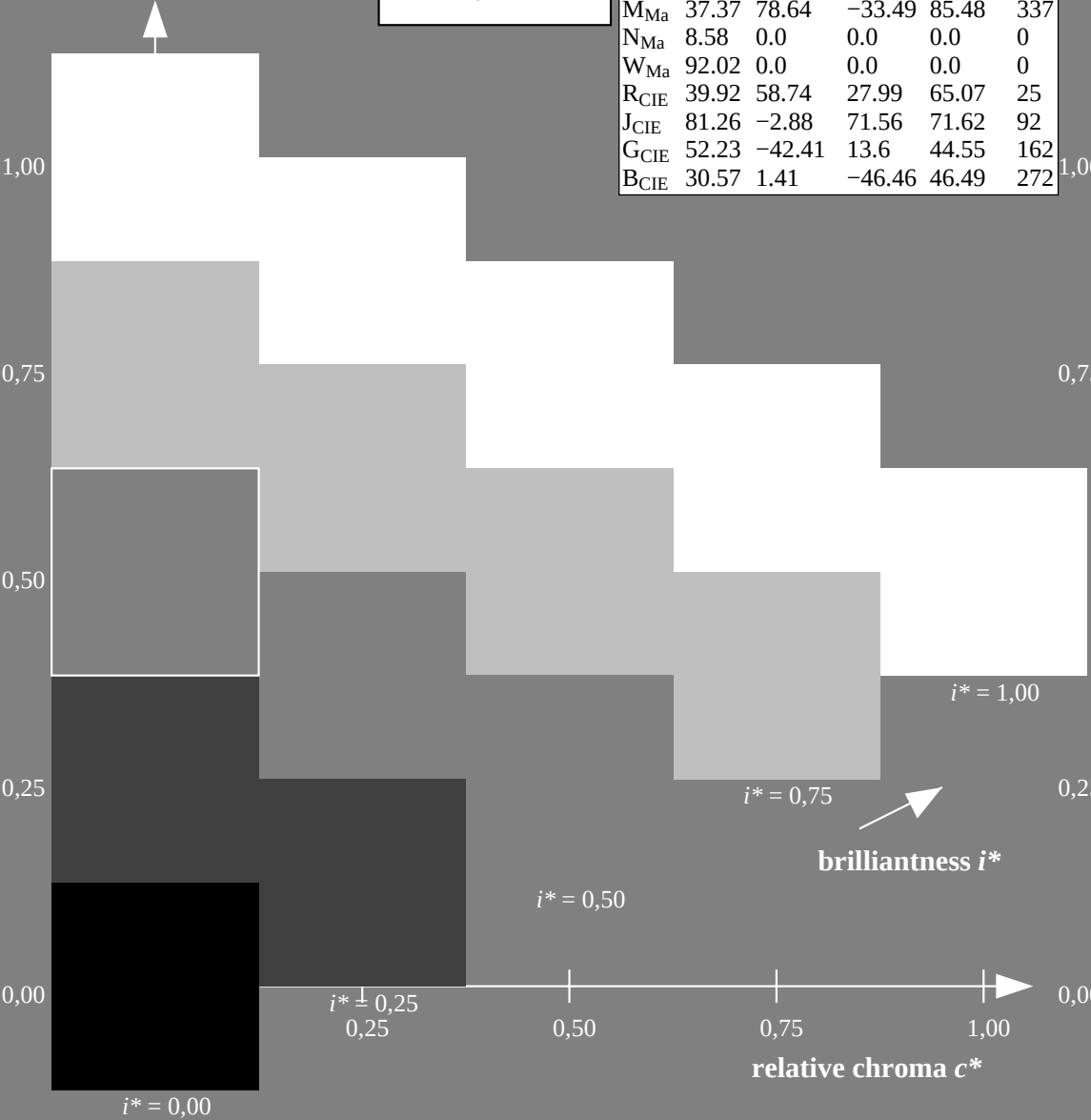


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

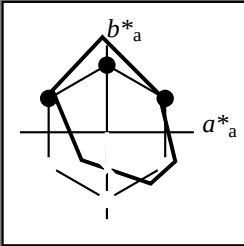
$LAB^*LAB^*Ma: 47 \ -16 \ -35$   
 $LAB^*LCH^*Ma: 47 \ 40 \ 244$   
 $lab^*rgb^*Ma: 0.0 \ 0.5 \ 1.0$   
 $lab^*olv^*Ma: 0.0 \ 0.85 \ 1.0$

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b00r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

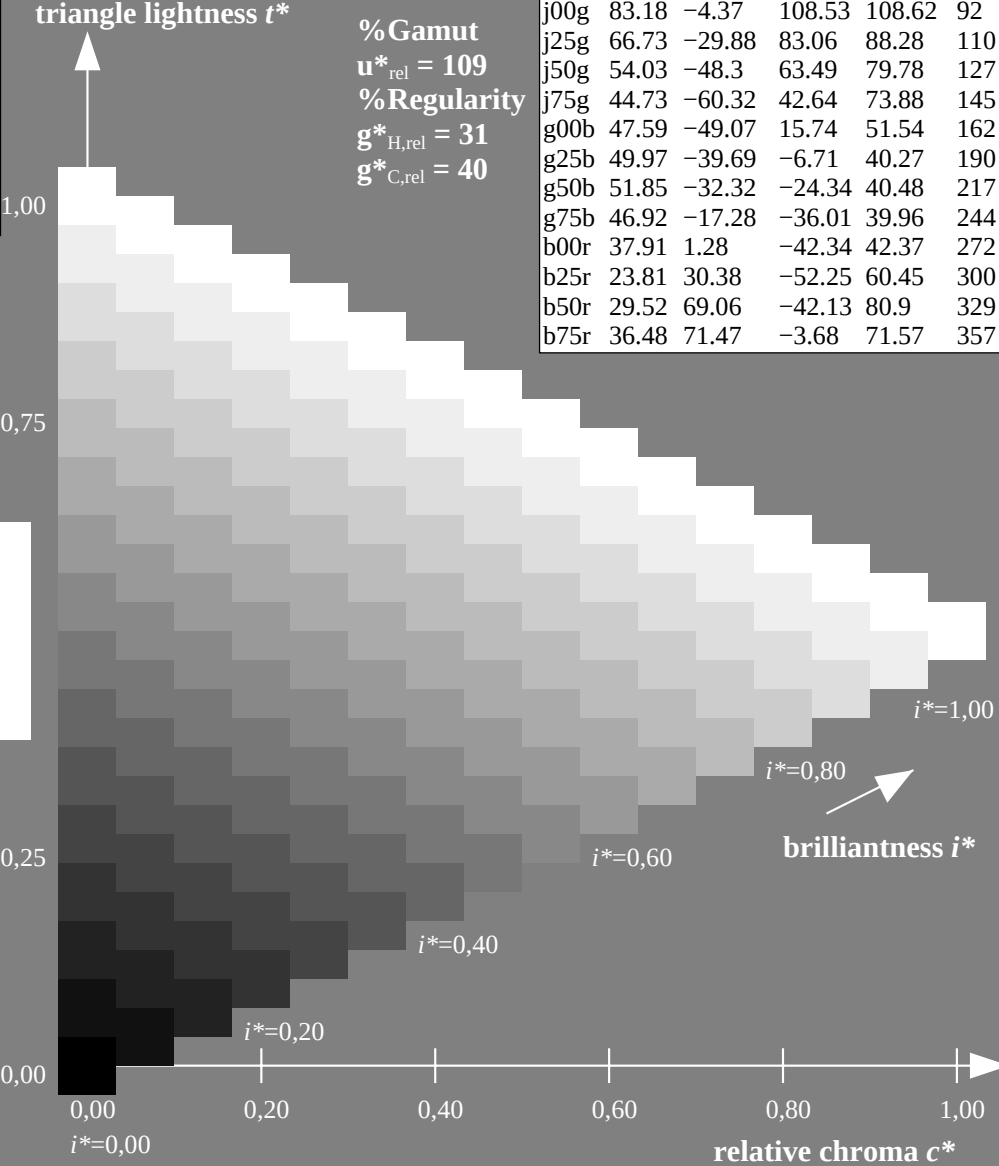
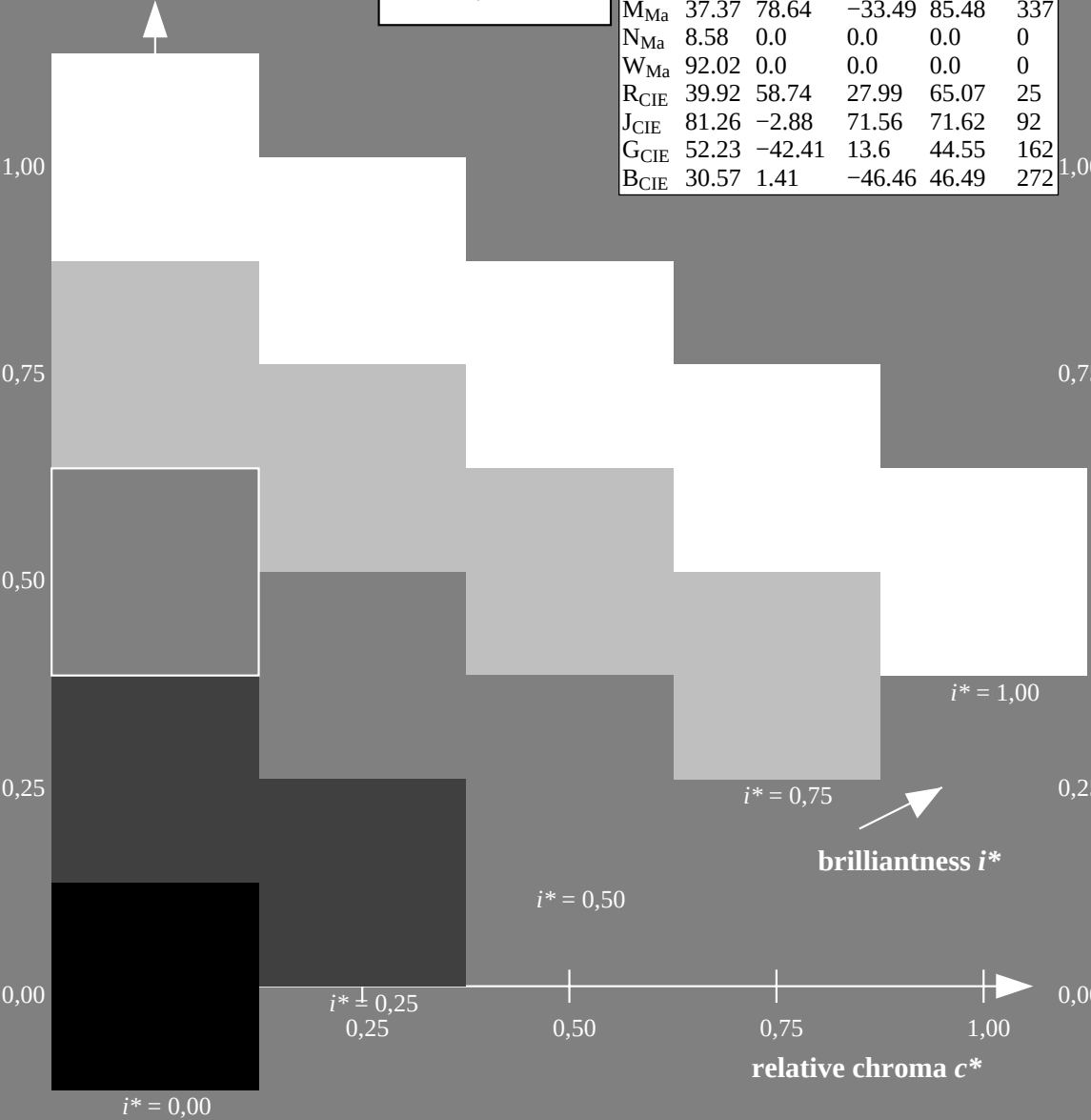


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

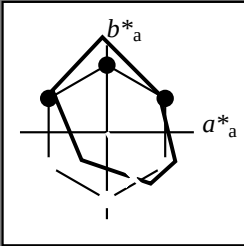
$LAB^*LAB^*Ma$ : 38 1 -41  
 $LAB^*LCH^*Ma$ : 38 42 272  
 $lab^*rgb^*Ma$ : 0.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.62 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b25r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

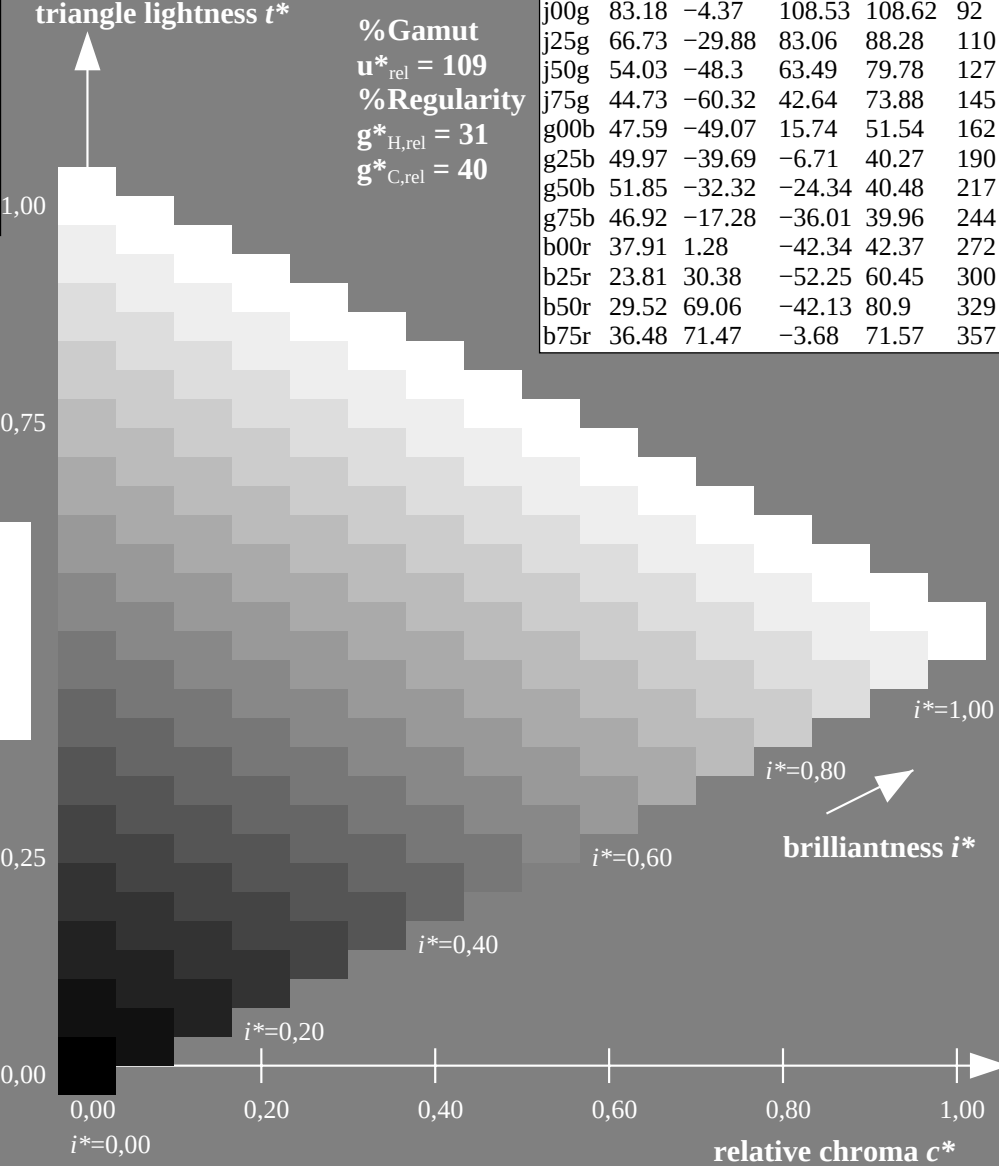
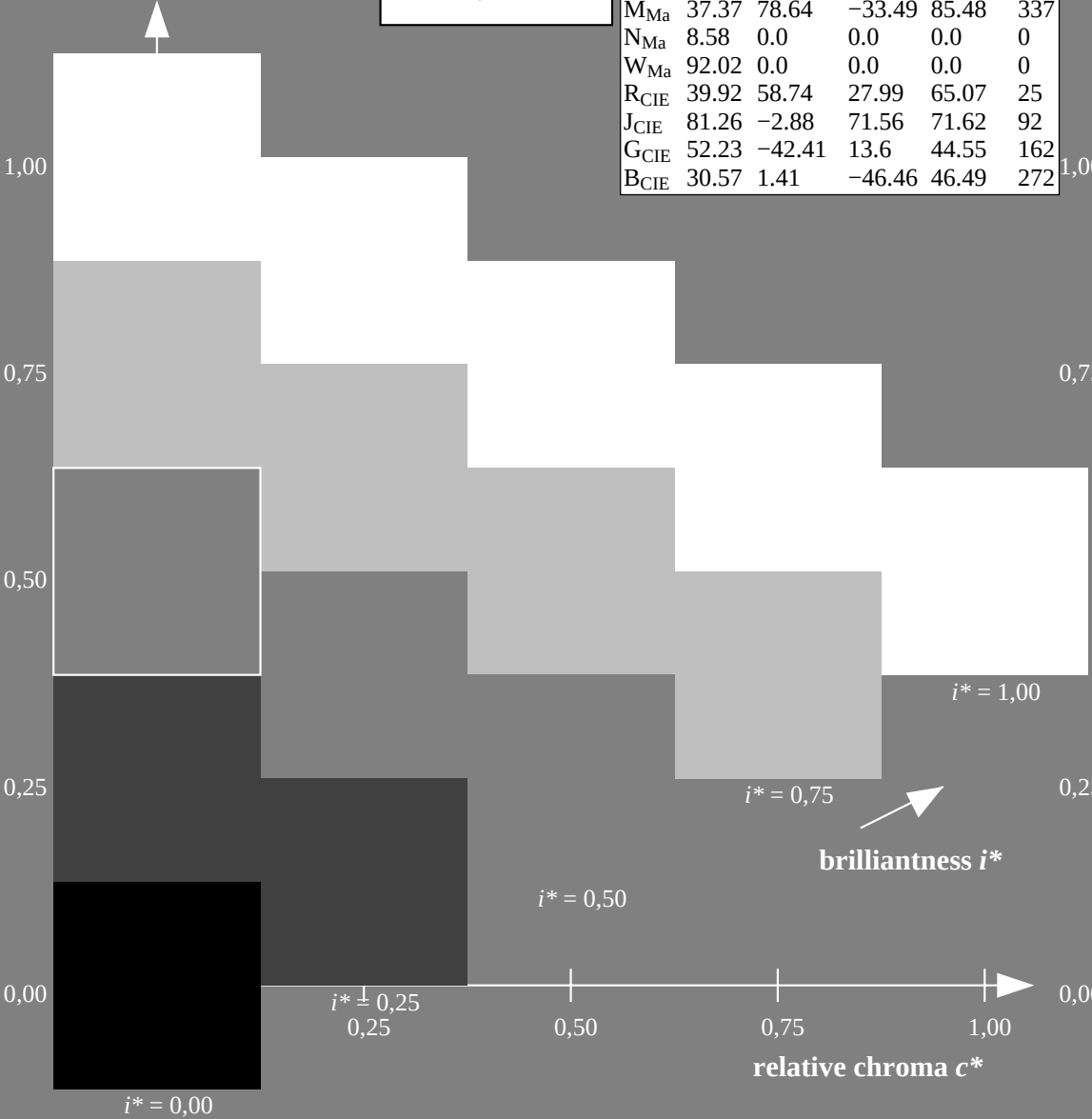


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

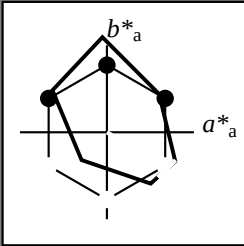
$LAB^*LAB^*Ma$ : 24 30 -51  
 $LAB^*LCH^*Ma$ : 24 60 300  
 $lab^*rgb^*Ma$ : 0.5 0.0 1.0  
 $lab^*olv^*Ma$ : 0.0 0.25 1.0

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |



Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b50r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$

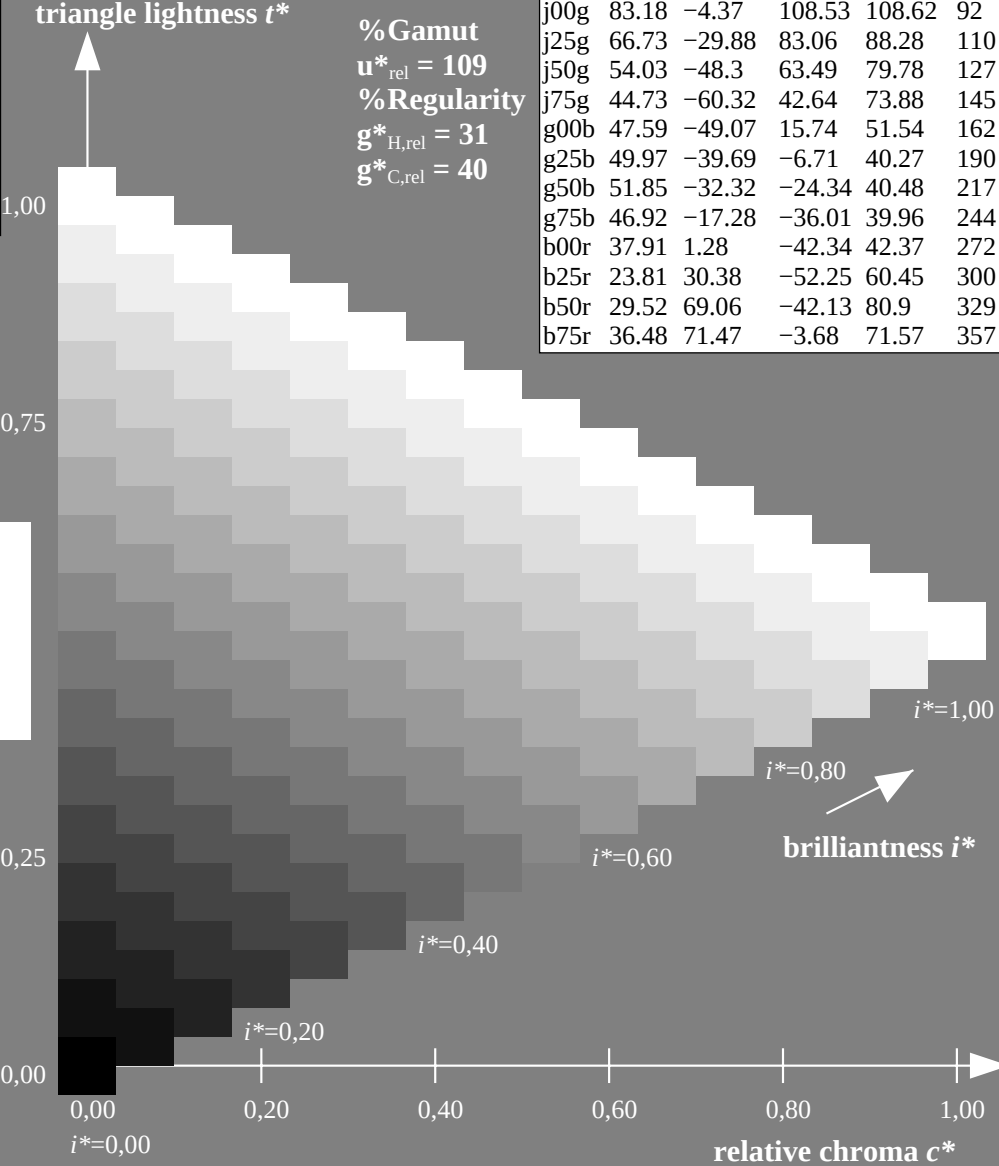
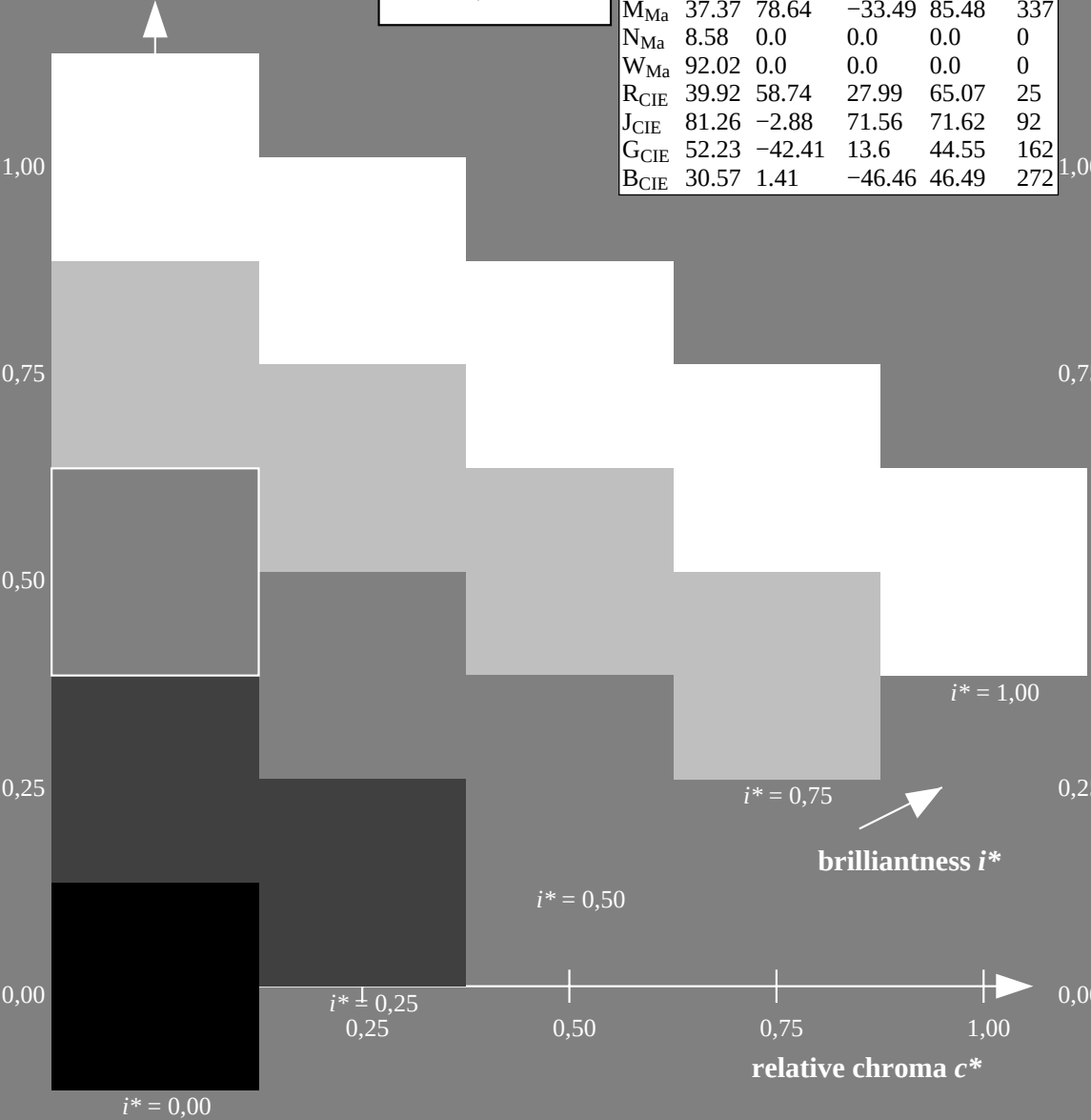


| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 30 69 -41  
 $LAB^*LCH^*Ma$ : 30 81 329  
 $lab^*rgb^*Ma$ : 1.0 0.0 1.0  
 $lab^*olv^*Ma$ : 0.66 0.0 1.0

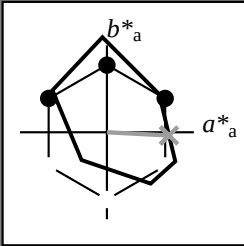
| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |





Input and output: Colorimetric Printer Reflective System FRS09\_92a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$   
data for any colour:

$lab^*ich^*$  and  $lab^*icu^*$   
elementary hue text:  
 $u^* = b75r$   
contrast reduction factor:  
 $c_R = 1.0$   
triangle lightness  $t^*$



| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 35.06       | 60.0    | 44.0    | 74.4         | 36           |
| Y <sub>Ma</sub>                    | 83.77       | -5.16   | 109.32  | 109.44       | 93           |
| L <sub>Ma</sub>                    | 44.13       | -62.66  | 48.24   | 79.09        | 142          |
| C <sub>Ma</sub>                    | 52.66       | -29.13  | -31.98  | 43.27        | 228          |
| V <sub>Ma</sub>                    | 14.15       | 50.3    | -59.03  | 77.57        | 310          |
| M <sub>Ma</sub>                    | 37.37       | 78.64   | -33.49  | 85.48        | 337          |
| N <sub>Ma</sub>                    | 8.58        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 92.02       | 0.0     | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub>                   | 39.92       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>                   | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub>                   | 52.23       | -42.41  | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub>                   | 30.57       | 1.41    | -46.46  | 46.49        | 272          |

Data for maximum colour (Ma):

$LAB^*LAB^*Ma$ : 36 71 -3  
 $LAB^*LCH^*Ma$ : 36 72 357  
 $lab^*rgb^*Ma$ : 1.0 0.0 0.5  
 $lab^*olv^*Ma$ : 1.0 0.0 0.62

| FRS09_92a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 35.47       | 63.32   | 30.17   | 70.15        | 25           |
| r25j                               | 39.12       | 54.56   | 49.45   | 73.64        | 42           |
| r50j                               | 50.64       | 39.15   | 64.89   | 75.79        | 59           |
| r75j                               | 64.01       | 21.26   | 82.83   | 85.52        | 76           |
| j00g                               | 83.18       | -4.37   | 108.53  | 108.62       | 92           |
| j25g                               | 66.73       | -29.88  | 83.06   | 88.28        | 110          |
| j50g                               | 54.03       | -48.3   | 63.49   | 79.78        | 127          |
| j75g                               | 44.73       | -60.32  | 42.64   | 73.88        | 145          |
| g00b                               | 47.59       | -49.07  | 15.74   | 51.54        | 162          |
| g25b                               | 49.97       | -39.69  | -6.71   | 40.27        | 190          |
| g50b                               | 51.85       | -32.32  | -24.34  | 40.48        | 217          |
| g75b                               | 46.92       | -17.28  | -36.01  | 39.96        | 244          |
| b00r                               | 37.91       | 1.28    | -42.34  | 42.37        | 272          |
| b25r                               | 23.81       | 30.38   | -52.25  | 60.45        | 300          |
| b50r                               | 29.52       | 69.06   | -42.13  | 80.9         | 329          |
| b75r                               | 36.48       | 71.47   | -3.68   | 71.57        | 357          |

