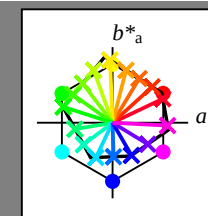


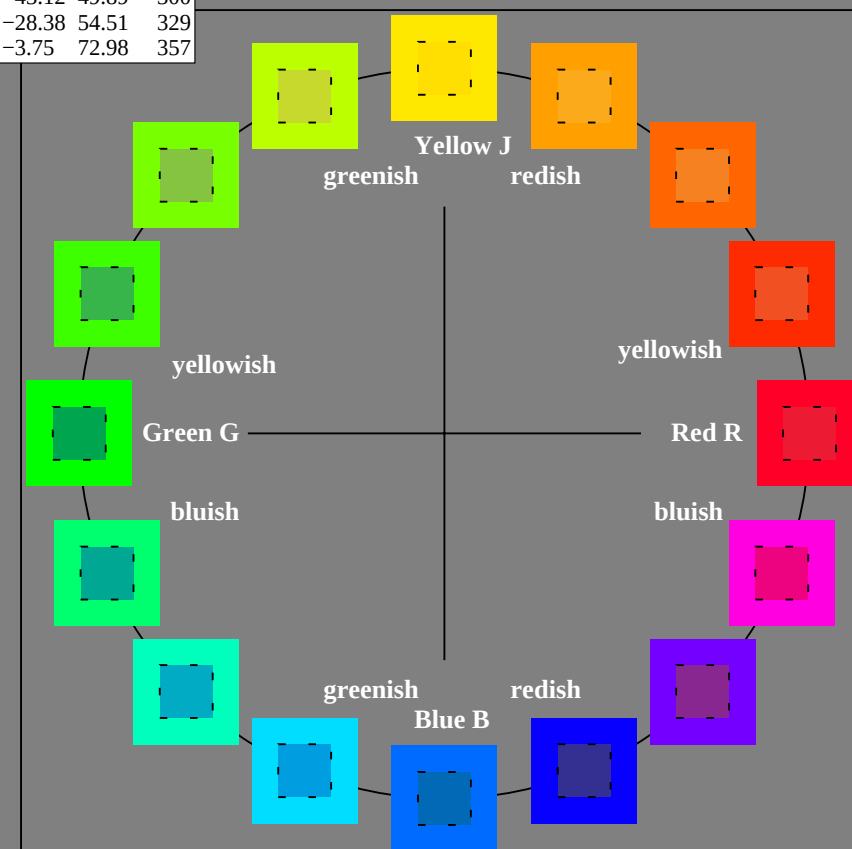
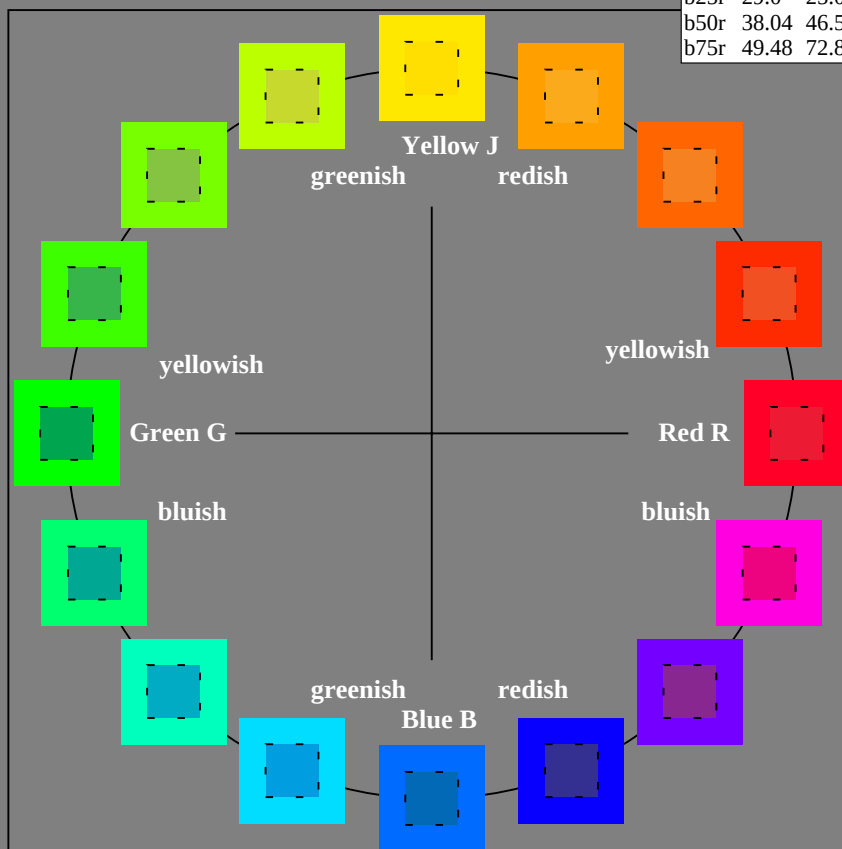
Input and output:  
Colorimetric Printer Reflective System ORS19\_96a  
data for any colour:  
 $lab^{*}tch^{*}$  and  $lab^{*}icu^{*}$   
elementary hue text:  
 $u^{*} = 16$  hues  $r00j$ ,  $r25j$ , ...,  $b75r$   
contrast reduction factor:  
 $c_R = 1.0$

| ORS19_96a; adapted (a) CIELAB data |                 |           |           |                |                |
|------------------------------------|-----------------|-----------|-----------|----------------|----------------|
|                                    | $L^{*}=L^{*}_a$ | $a^{*}_a$ | $b^{*}_a$ | $C^{*}_{ab,a}$ | $h^{*}_{ab,a}$ |
| r00j                               | 48.88           | 66.47     | 31.67     | 73.63          | 25             |
| r25j                               | 55.85           | 52.39     | 47.48     | 70.7           | 42             |
| r50j                               | 65.45           | 35.22     | 58.37     | 68.17          | 59             |
| r75j                               | 75.19           | 17.82     | 69.41     | 71.66          | 76             |
| j00g                               | 87.03           | -3.34     | 82.83     | 82.9           | 92             |
| j25g                               | 80.72           | -25.0     | 69.5      | 73.86          | 110            |
| j50g                               | 70.64           | -39.53    | 51.97     | 65.3           | 127            |
| j75g                               | 61.93           | -52.09    | 36.83     | 63.8           | 145            |
| g00b                               | 52.8            | -65.27    | 20.93     | 68.56          | 162            |
| g25b                               | 55.7            | -49.57    | -8.38     | 50.28          | 190            |
| g50b                               | 57.82           | -38.39    | -28.91    | 48.07          | 217            |
| g75b                               | 55.5            | -22.04    | -45.94    | 50.97          | 244            |
| b00r                               | 41.6            | 1.37      | -45.0     | 45.03          | 272            |
| b25r                               | 29.0            | 25.08     | -43.12    | 49.89          | 300            |
| b50r                               | 38.04           | 46.53     | -28.38    | 54.51          | 329            |
| b75r                               | 49.48           | 72.88     | -3.75     | 72.98          | 357            |



%Gamut  
 $u^{*}_{rel} = 89$   
%Regularity  
 $g^{*}_{H,rel} = 72$   
 $g^{*}_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |                 |           |           |                |                |
|------------------------------------|-----------------|-----------|-----------|----------------|----------------|
|                                    | $L^{*}=L^{*}_a$ | $a^{*}_a$ | $b^{*}_a$ | $C^{*}_{ab,a}$ | $h^{*}_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75           | 65.07     | 39.43     | 76.08          | 31             |
| Y <sub>Ma</sub>                    | 90.92           | -10.28    | 87.24     | 87.85          | 97             |
| L <sub>Ma</sub>                    | 52.69           | -65.43    | 20.75     | 68.65          | 162            |
| C <sub>Ma</sub>                    | 59.61           | -28.97    | -46.21    | 54.56          | 238            |
| V <sub>Ma</sub>                    | 28.39           | 23.63     | -44.12    | 50.06          | 298            |
| M <sub>Ma</sub>                    | 49.58           | 73.93     | -9.55     | 74.55          | 353            |
| N <sub>Ma</sub>                    | 18.89           | 0.0       | 0.0       | 0.0            | 0              |
| W <sub>Ma</sub>                    | 96.9            | 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 ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

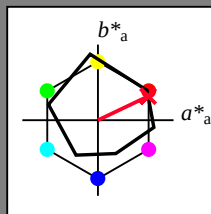
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 49 66 32

$LAB^*LCH^*_{Ma}$ : 49 74 25

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.16

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

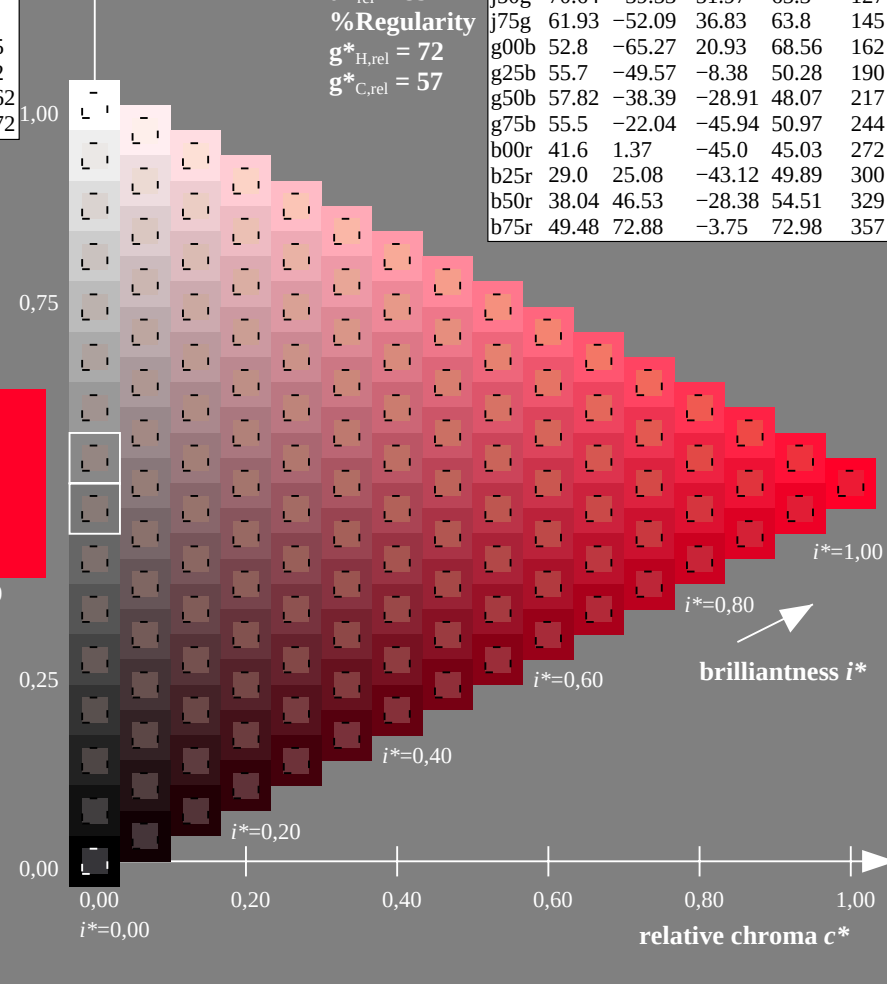
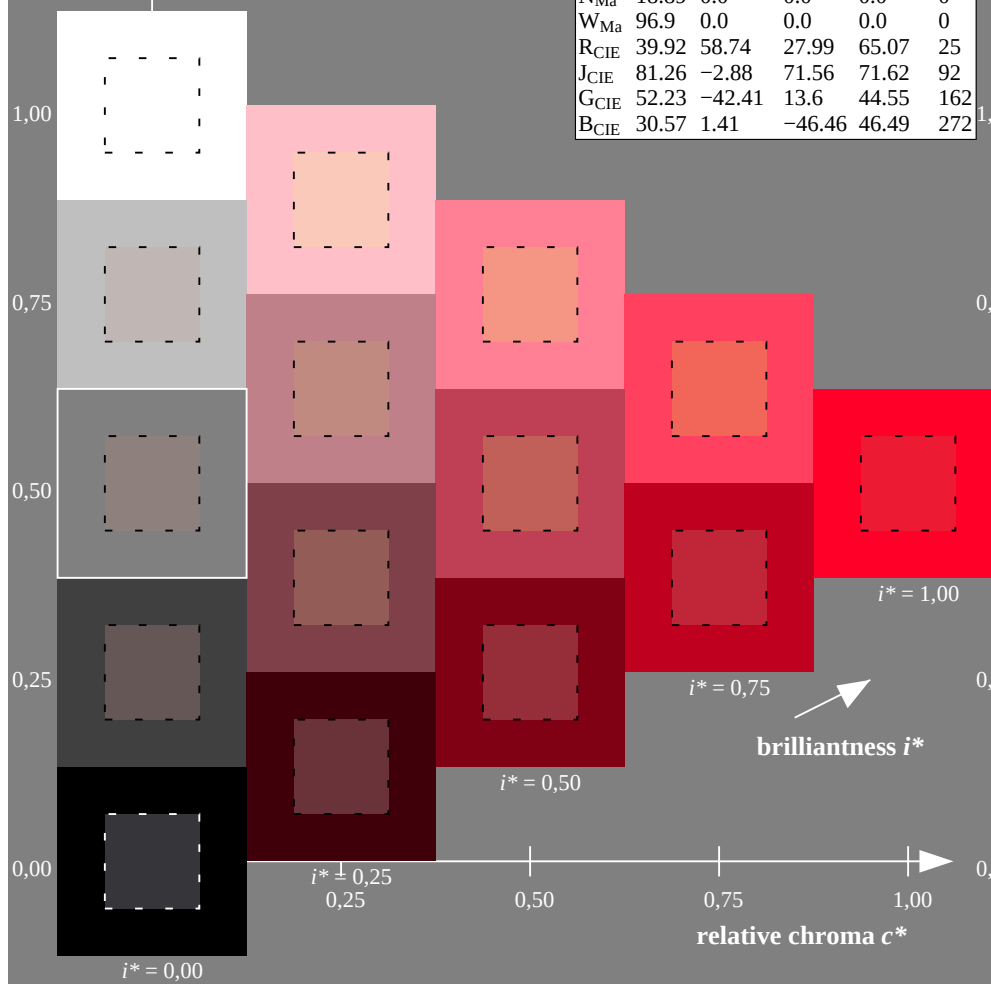
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

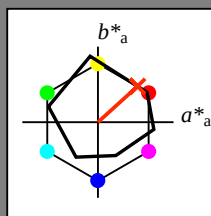
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 56 52 47

$LAB^*LCH^*_{Ma}$ : 56 71 42

$lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.17 0.0

triangle lightness  $t^*$

%Gamut

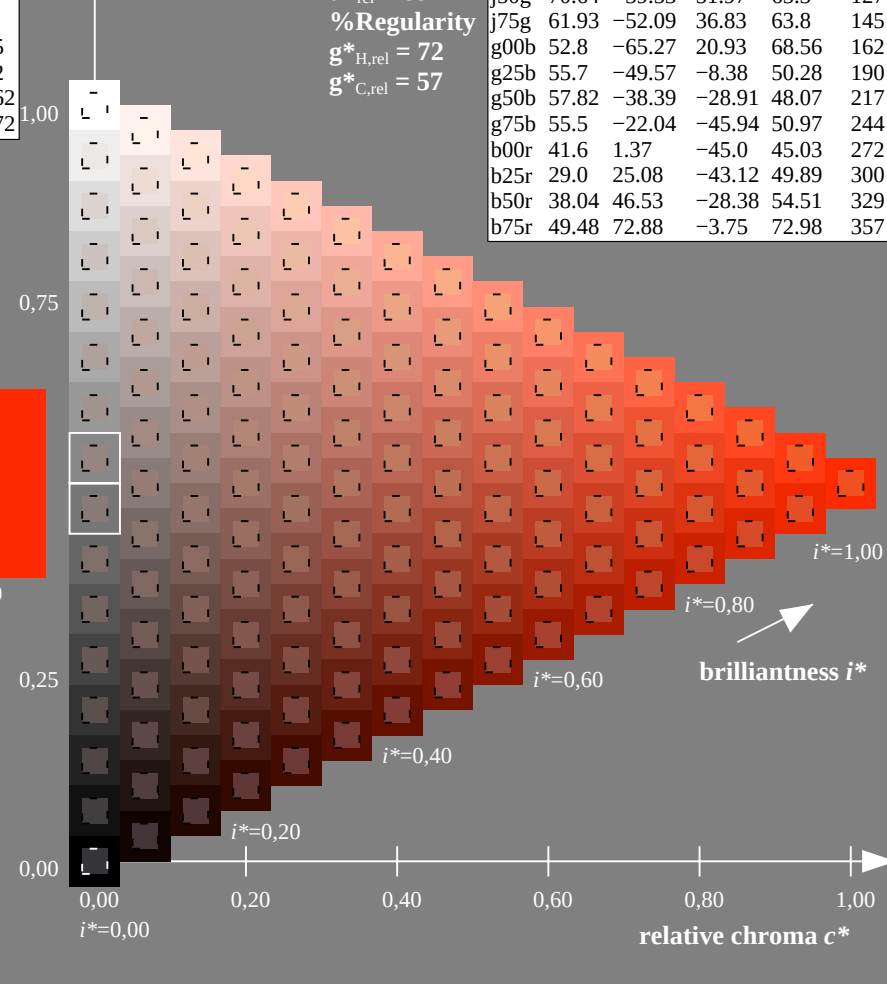
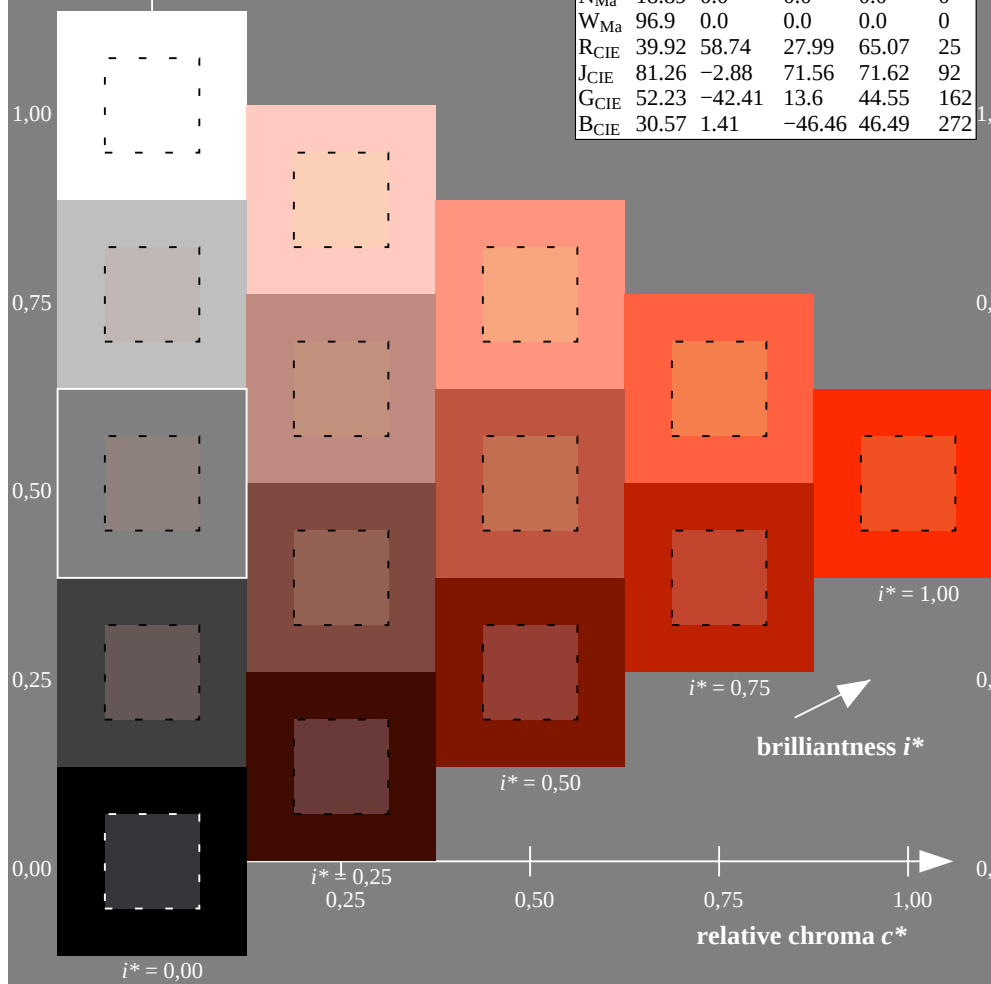
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

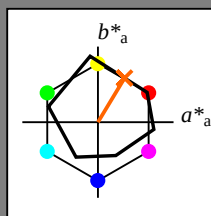
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 65 35 58

$LAB^*LCH^*_{Ma}$ : 65 68 59

$lab^*rgb^*_{Ma}$ : 1.0 0.5 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.4 0.0

triangle lightness  $t^*$

%Gamut

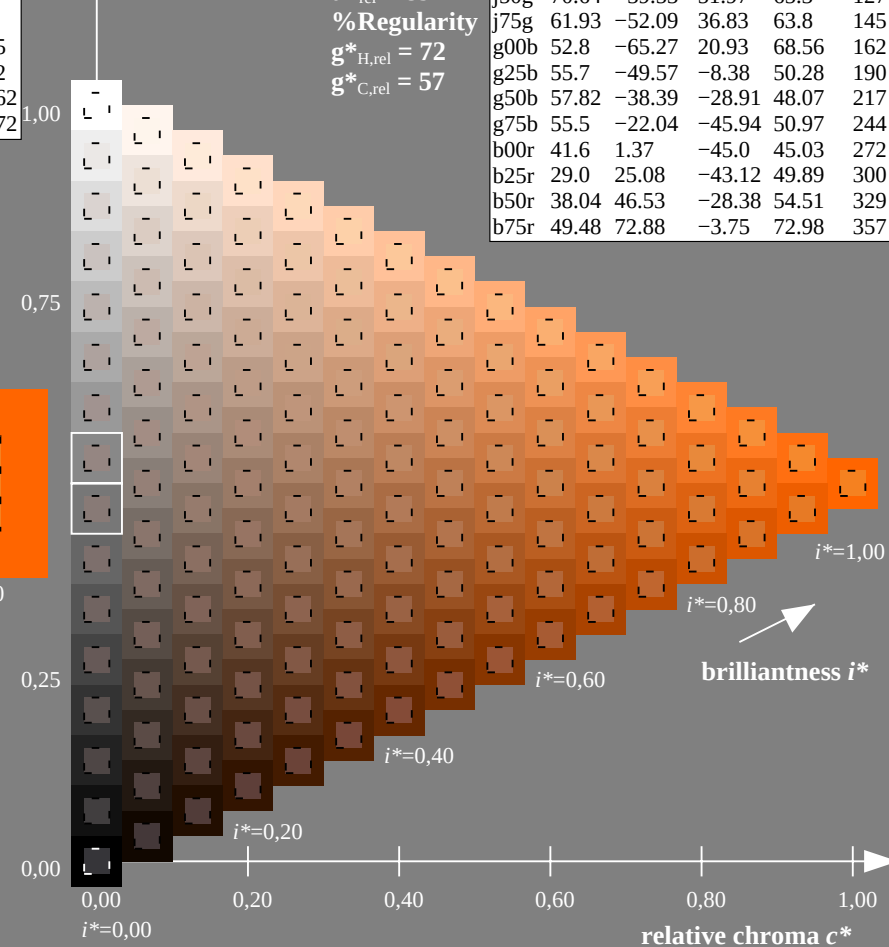
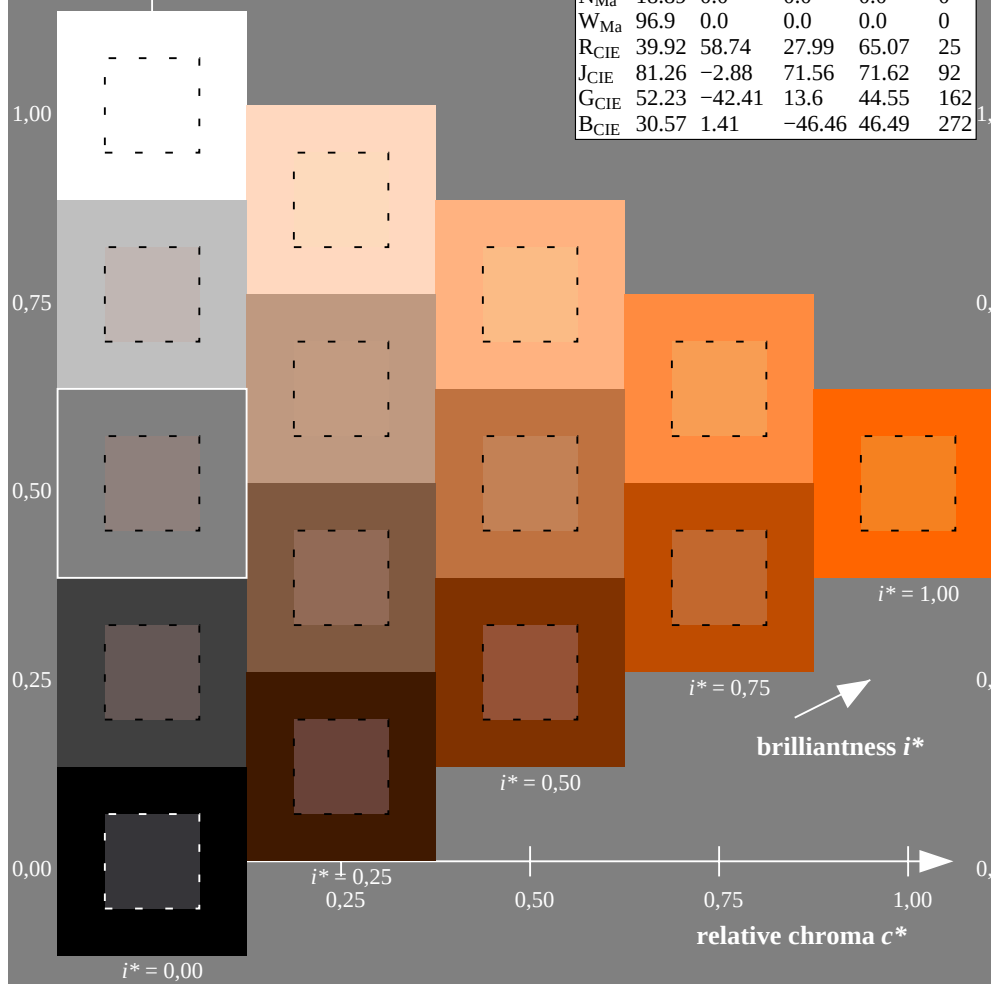
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

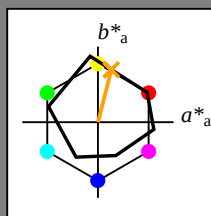
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 75 18 69

$LAB^*LCH^*_{Ma}$ : 75 72 76

$lab^*rgb^*_{Ma}$ : 1.0 0.75 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.63 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

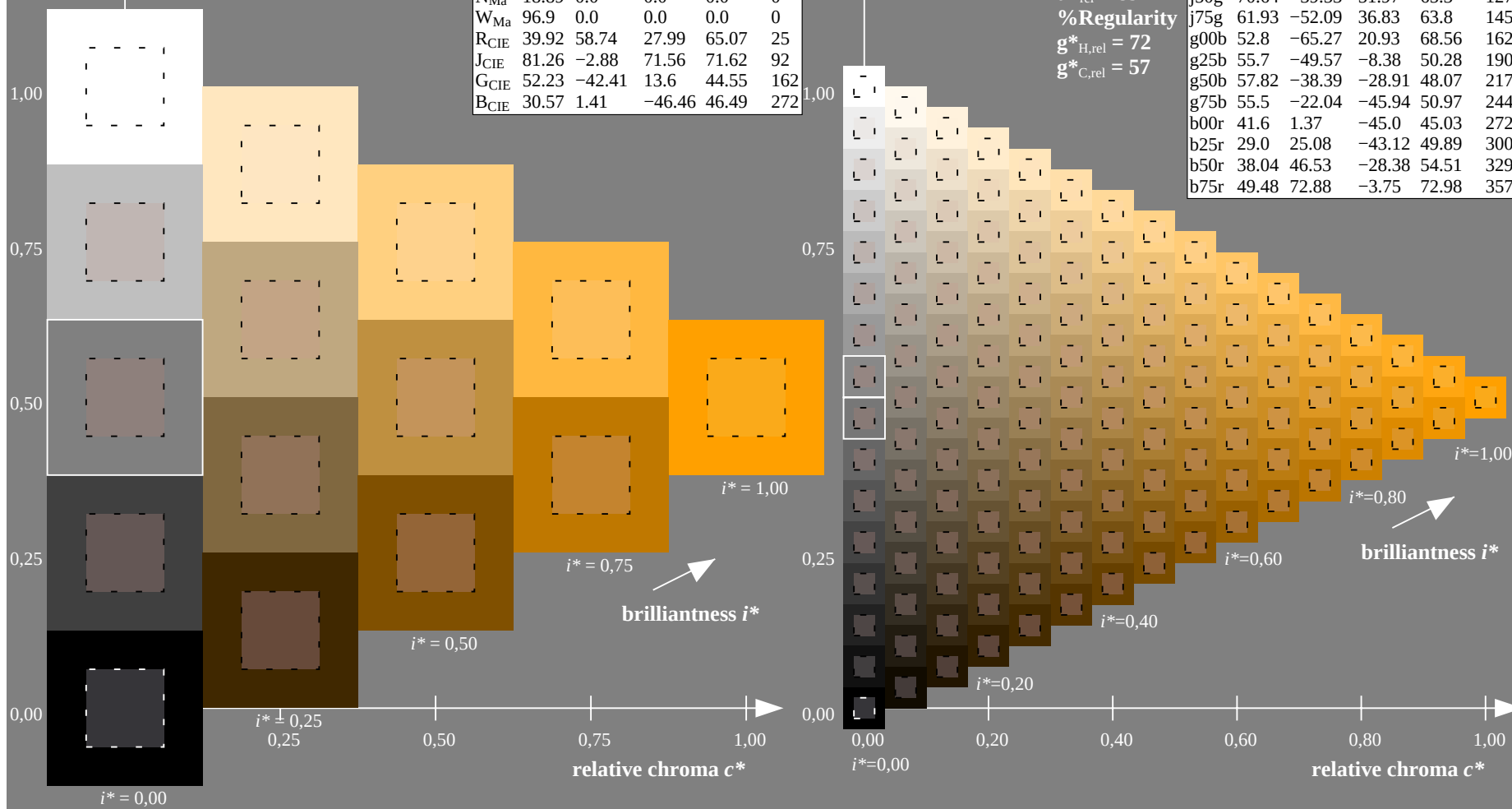
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

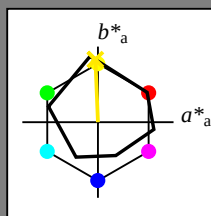
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 87 -2 83

$LAB^*LCH^*_{Ma}$ : 87 83 92

$lab^*rgb^*_{Ma}$ : 1.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.91 0.0

triangle lightness  $t^*$

%Gamut

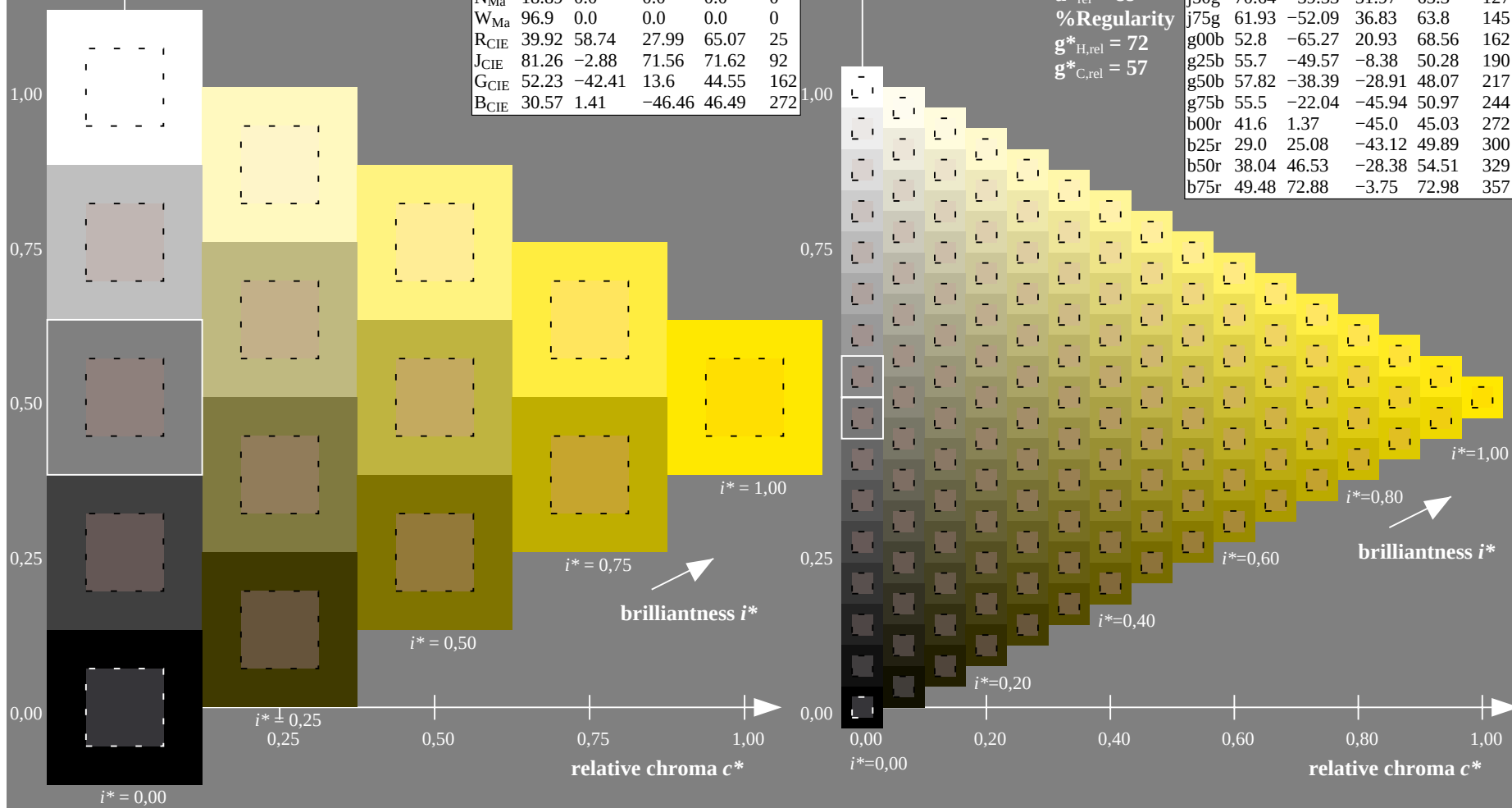
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

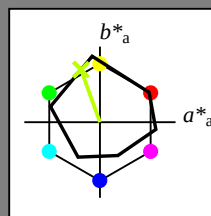
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 81 -24 69

$LAB^*LCH^*_{Ma}$ : 81 74 110

$lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.73 1.0 0.0

triangle lightness  $t^*$

%Gamut

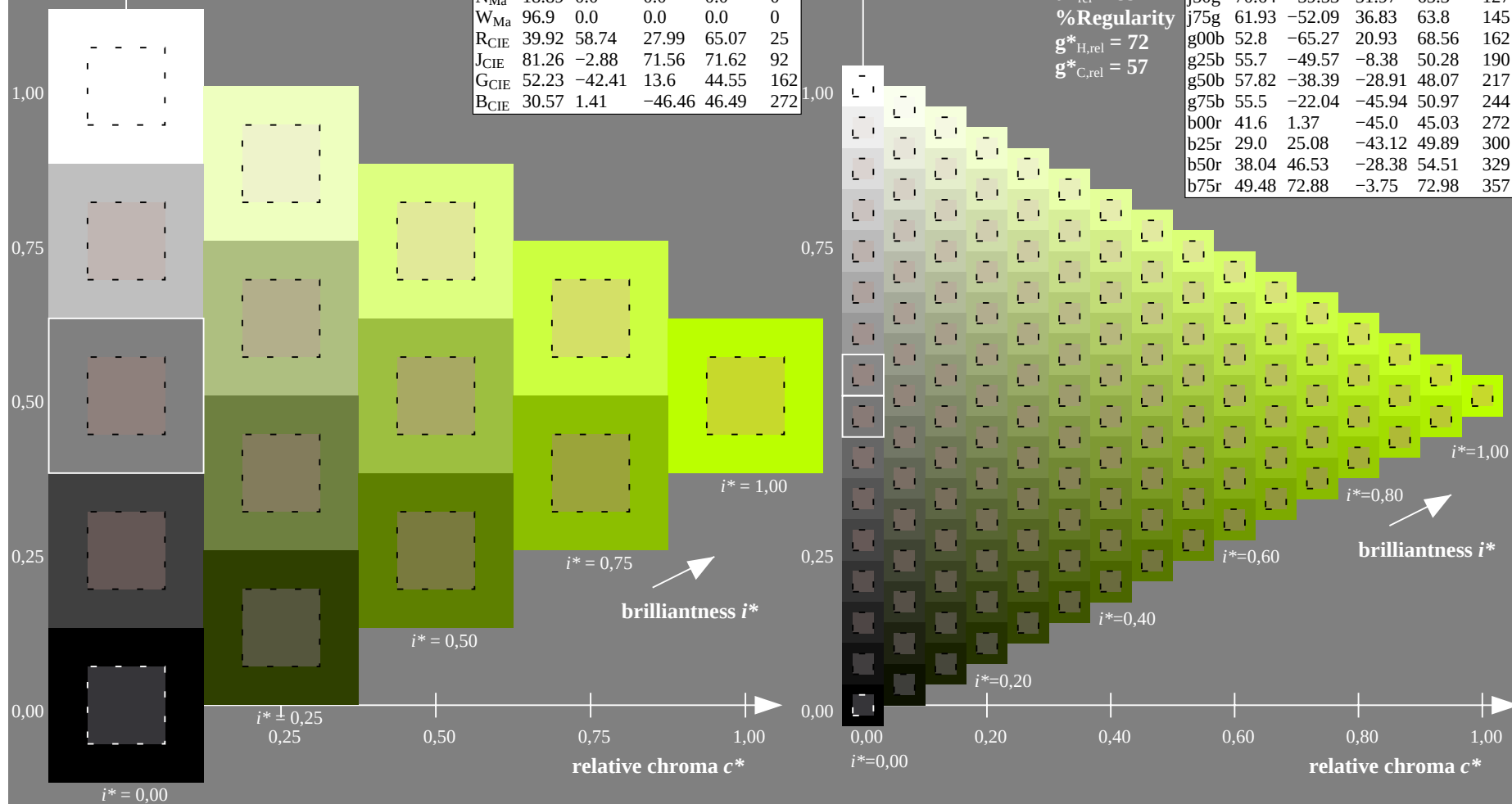
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

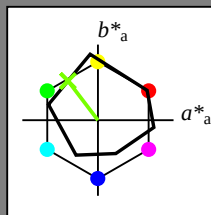
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 71 -39 52

$LAB^*LCH^*_{Ma}$ : 71 65 127

$lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.47 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

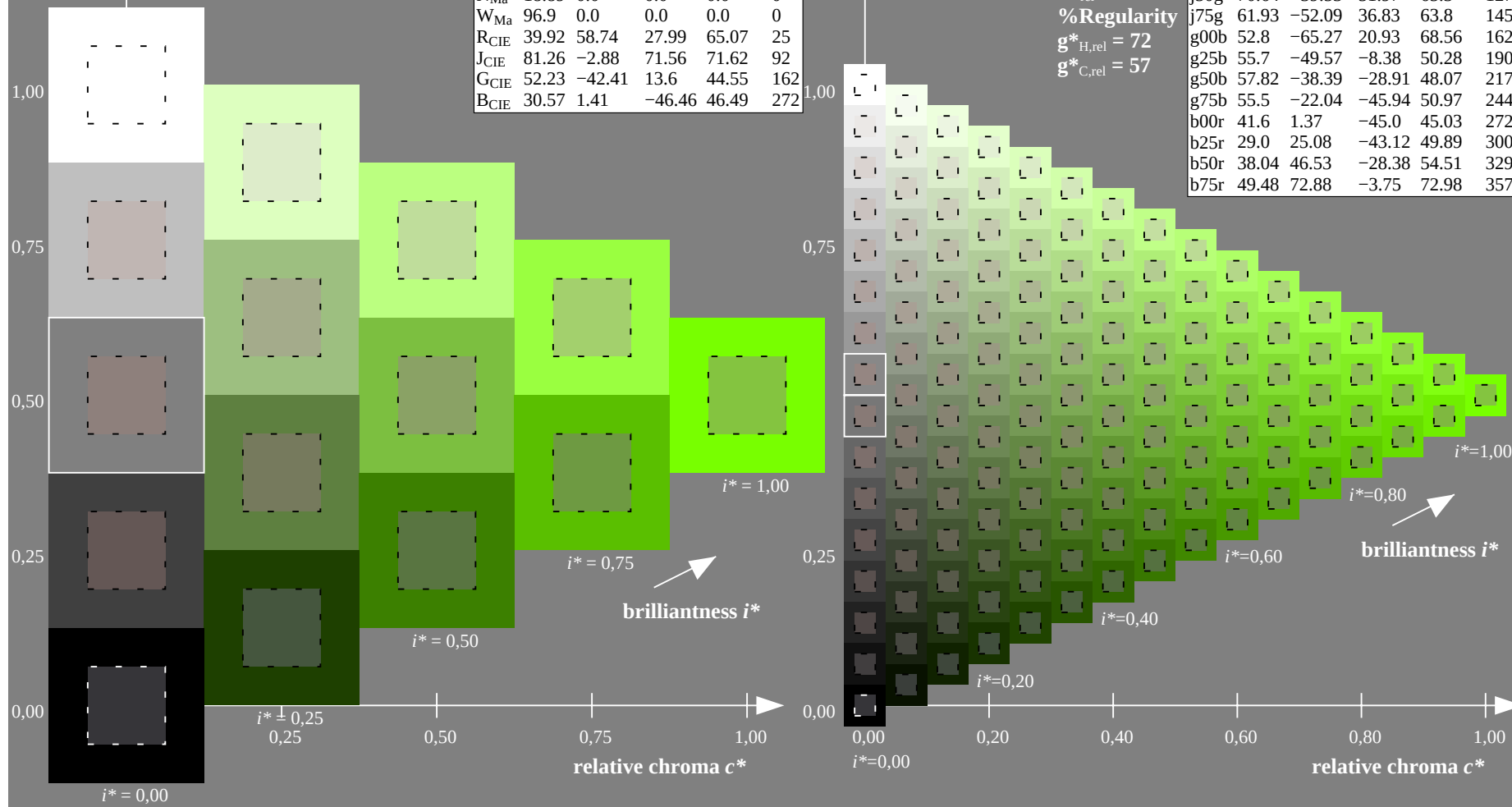
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

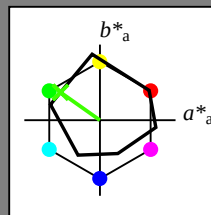
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 62 -51 37

$LAB^*LCH^*_{Ma}$ : 62 64 145

$lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.24 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

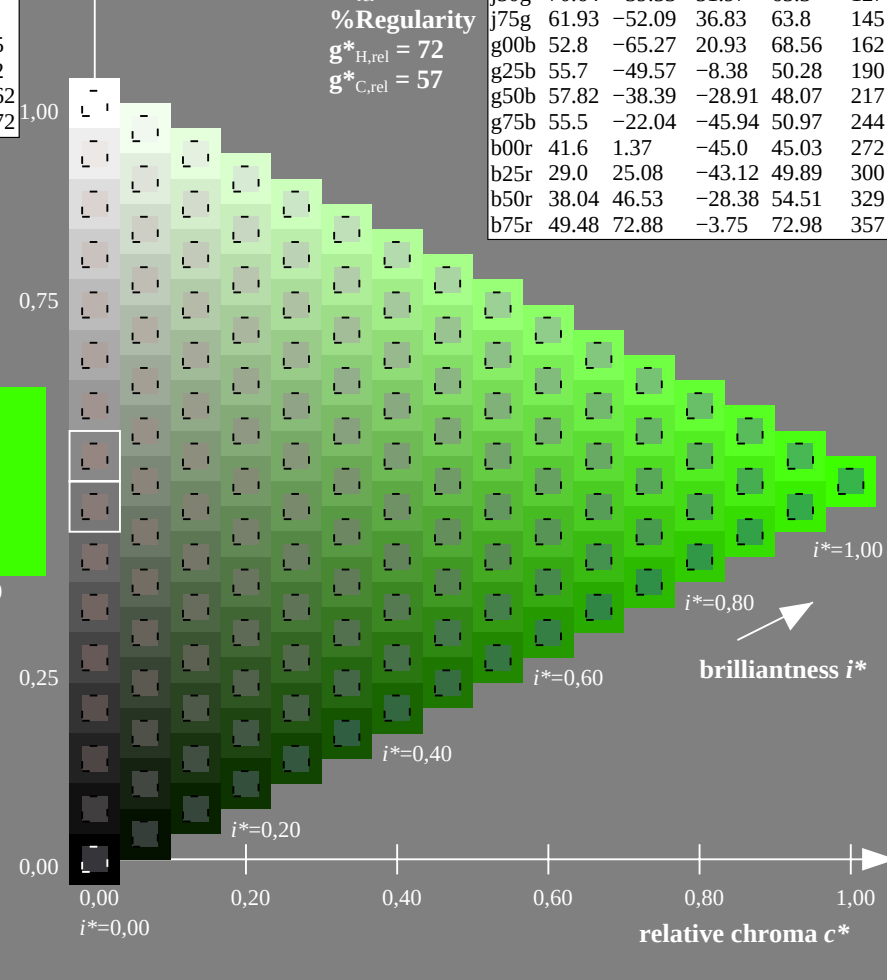
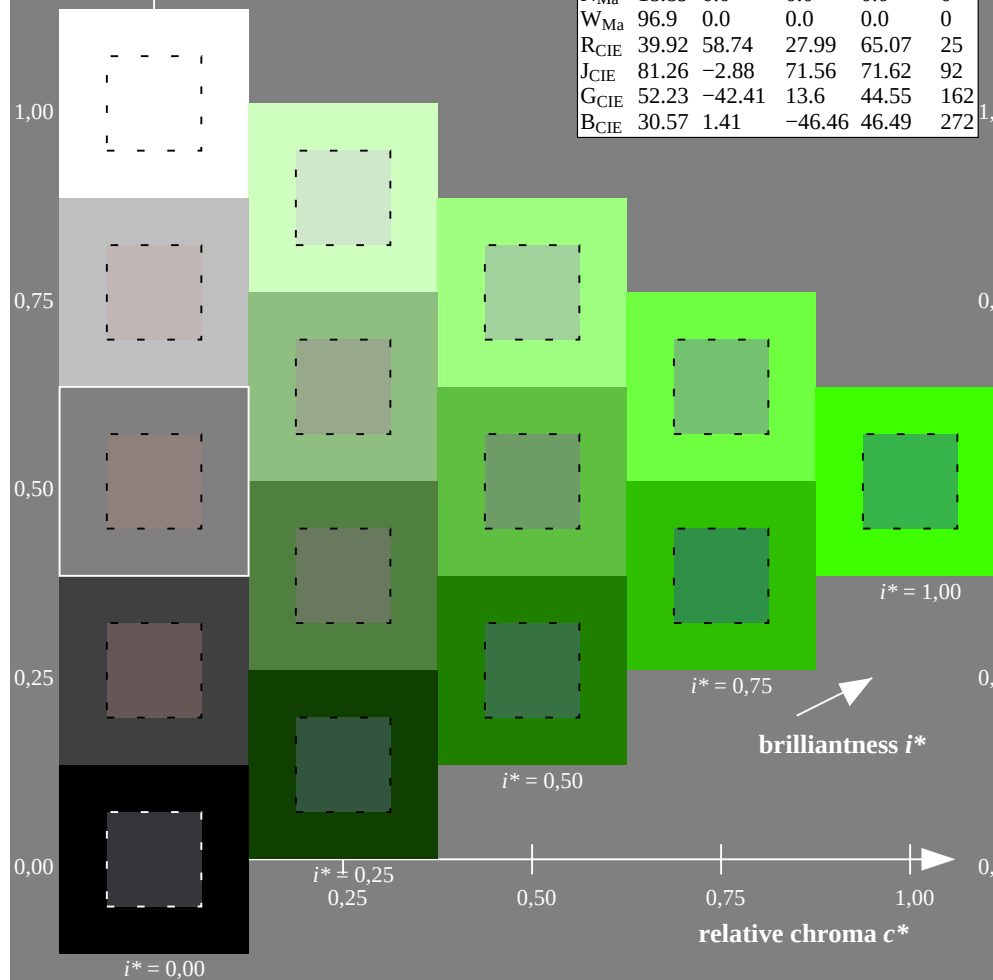
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

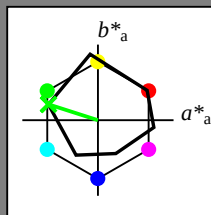
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 53 -64 21

$LAB^*LCH^*_{Ma}$ : 53 69 162

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

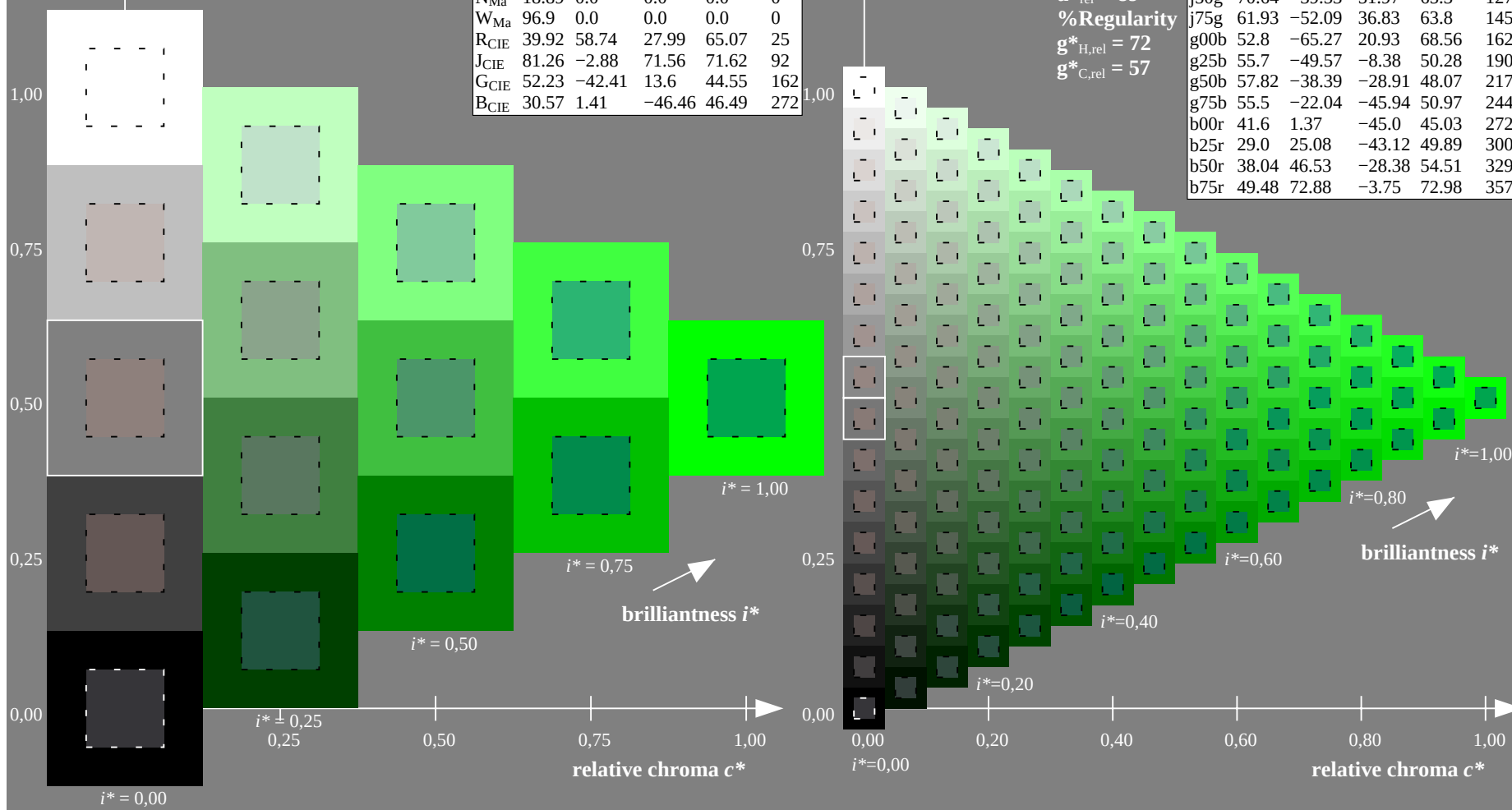
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

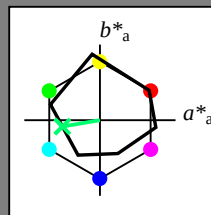
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 56 -49 -7

$LAB^*LCH^*_{Ma}$ : 56 50 190

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.5

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.44

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

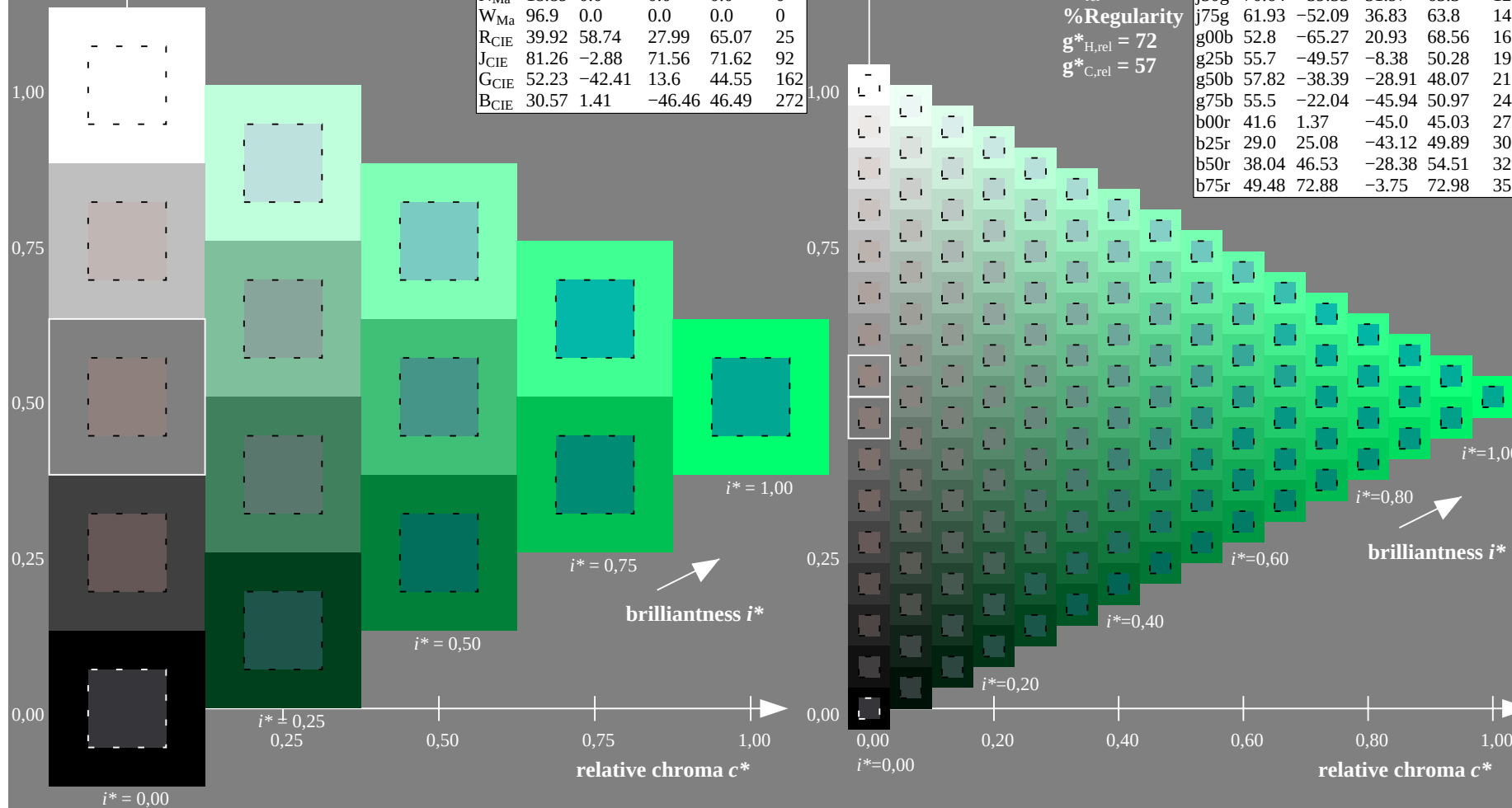
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

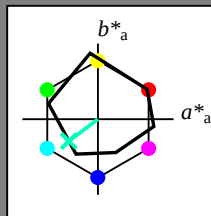
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 58 -37 -28

$LAB^*LCH^*_{Ma}$ : 58 48 217

$lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.74

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

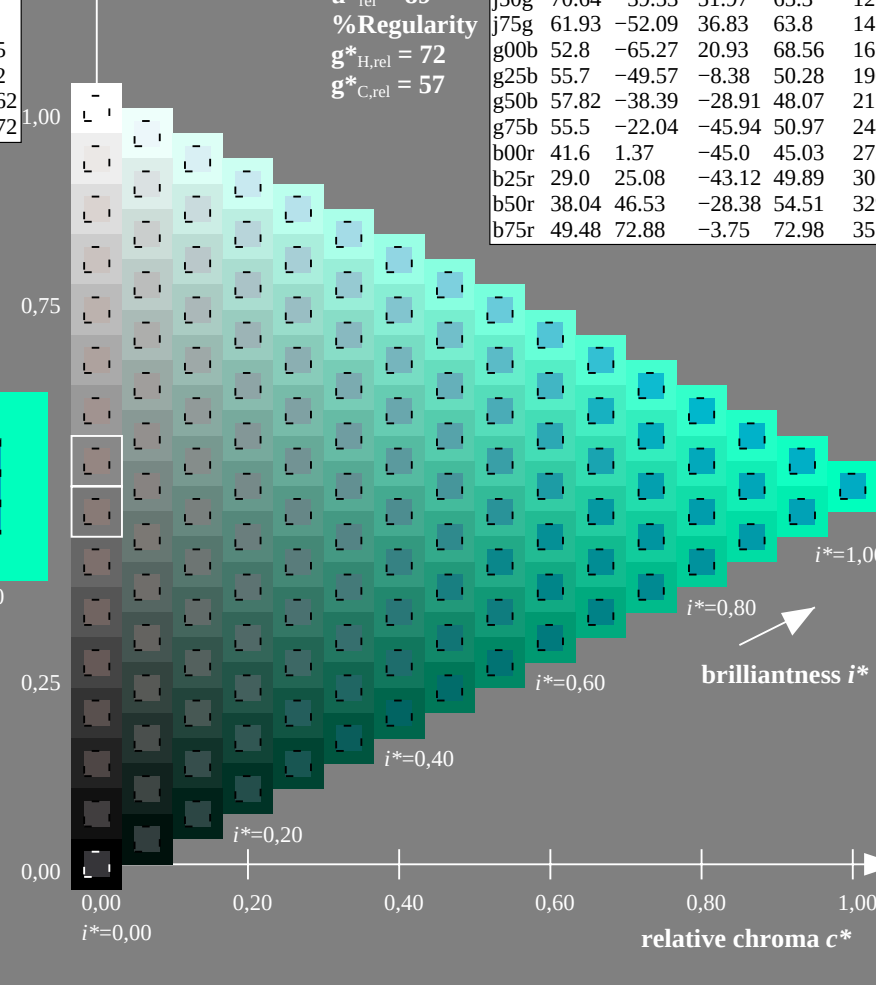
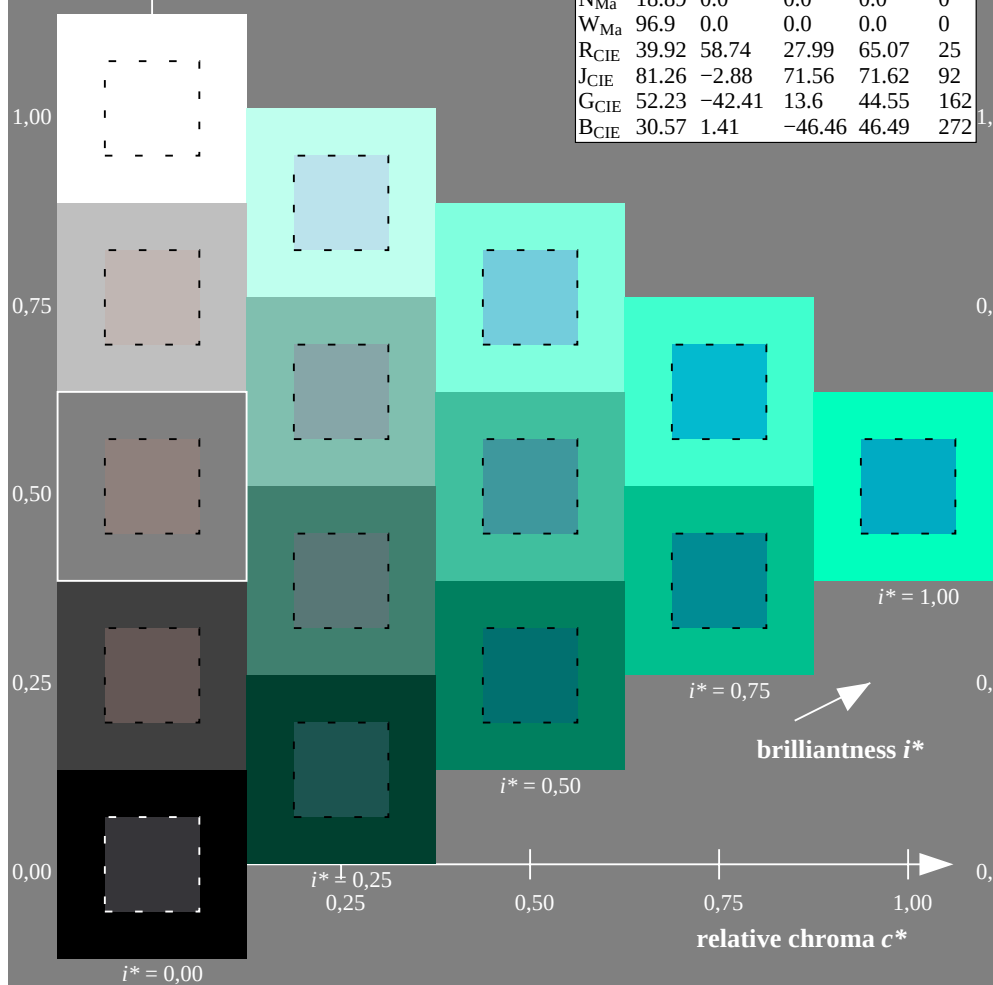
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

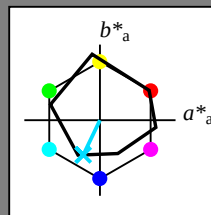
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 55 -21 -45

$LAB^*LCH^*_{Ma}$ : 55 51 244

$lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.87 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

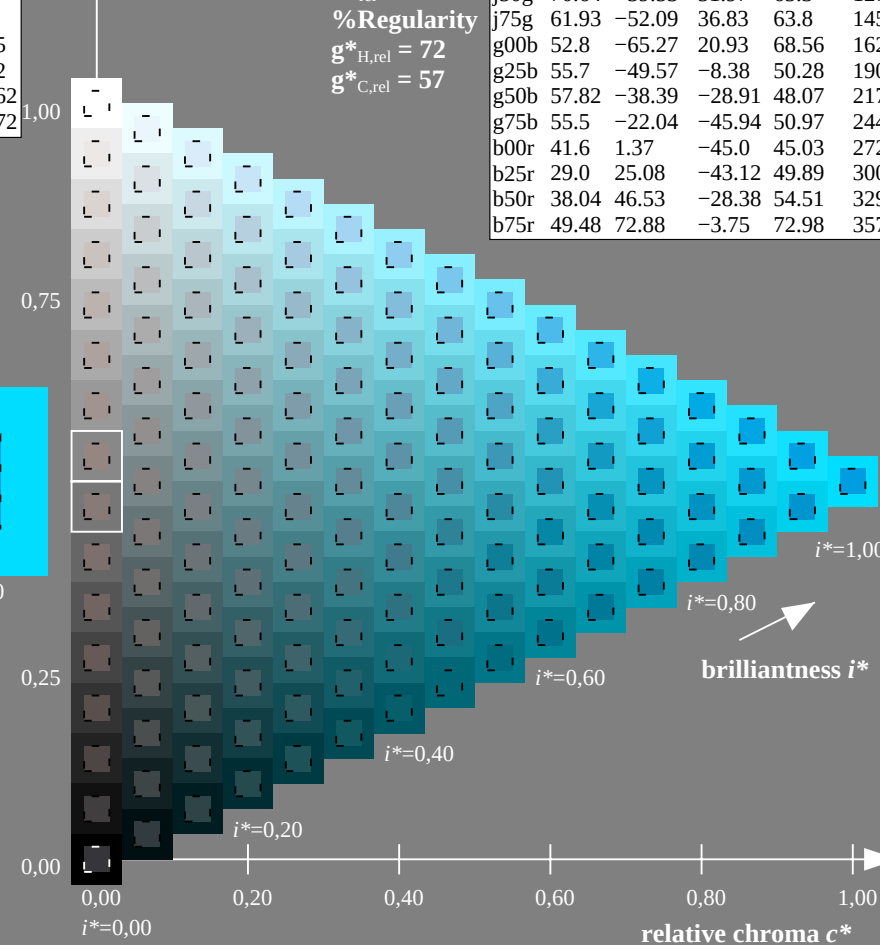
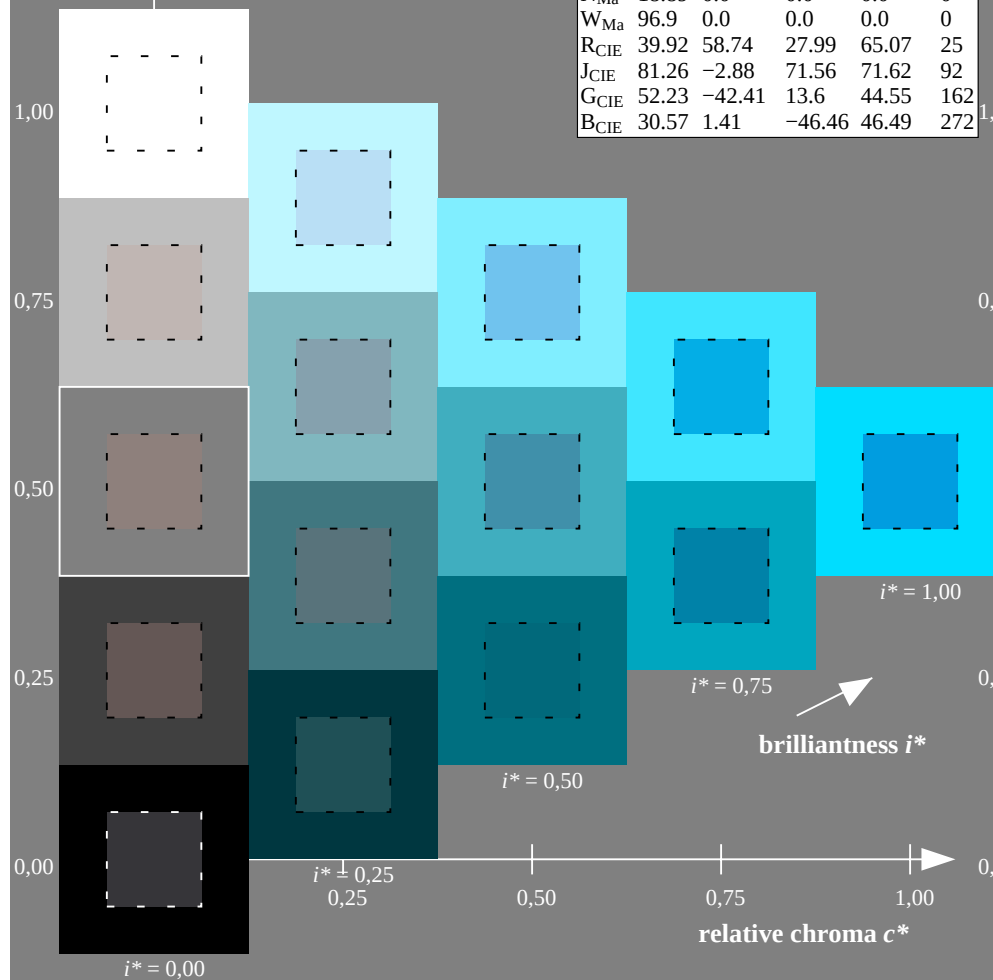
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

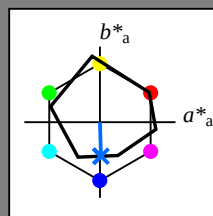
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 42 1 -44

$LAB^*LCH^*_{Ma}$ : 42 45 272

$lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.42 1.0

triangle lightness  $t^*$

%Gamut

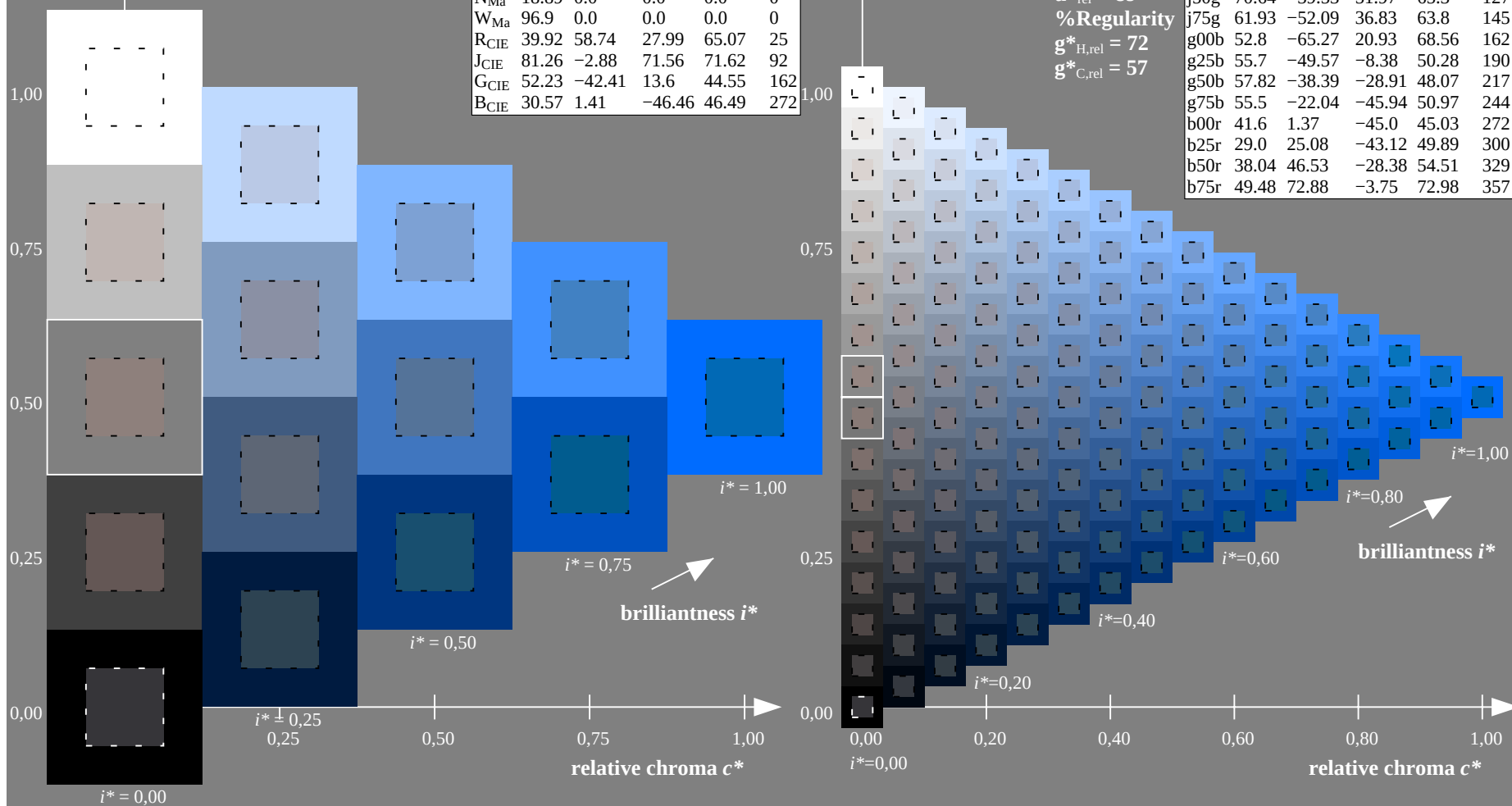
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48         | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

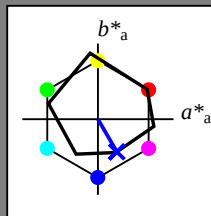
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 29 25 -42

$LAB^*LCH^*_{Ma}$ : 29 50 300

$lab^*rgb^*_{Ma}$ : 0.5 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.03 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

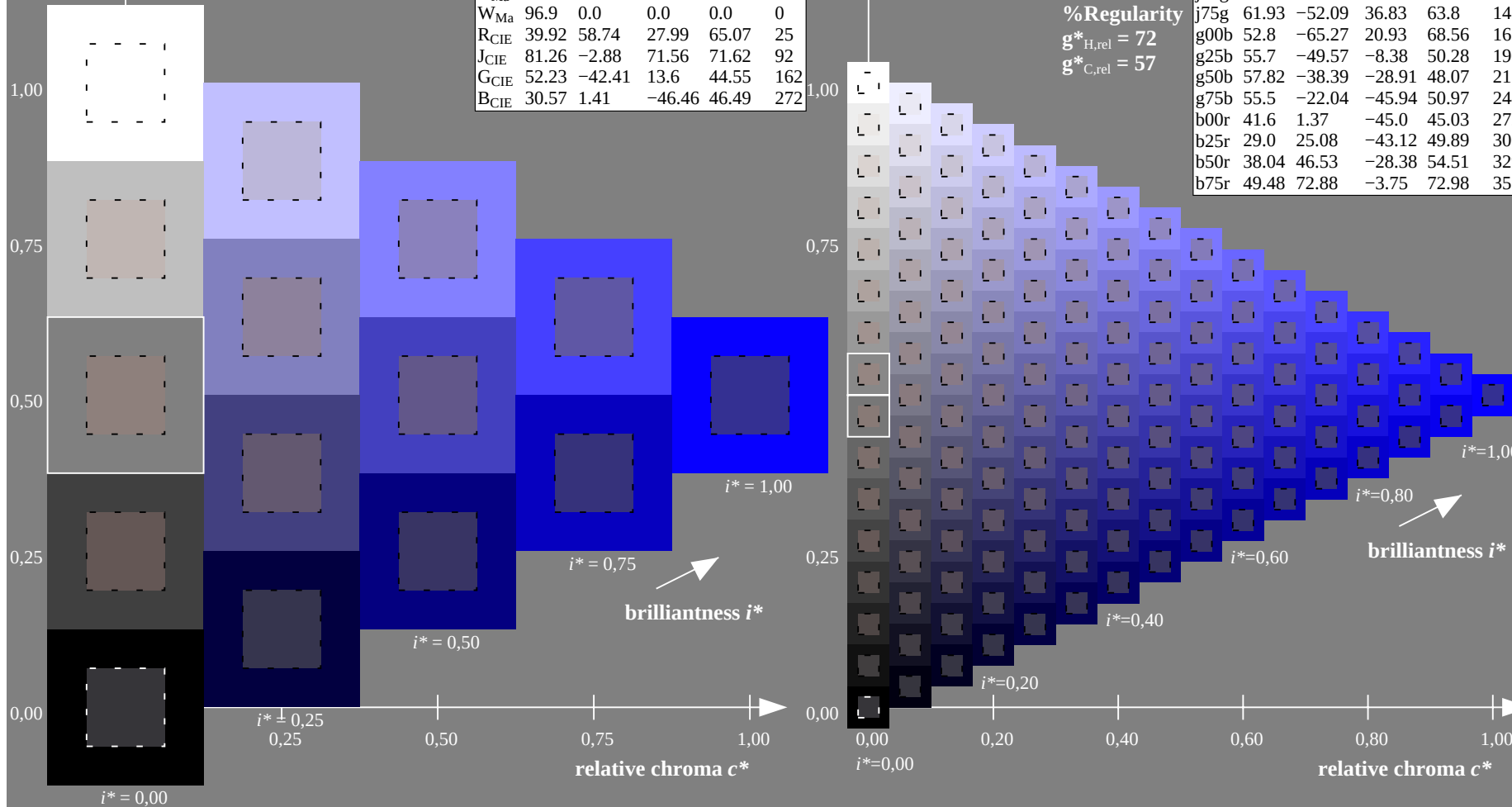
%Regularity

$g^*_{H,rel} = 72$

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

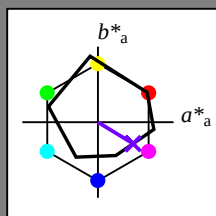
ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



**Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$  data for any colour: Data for maximum colour (Ma):**

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



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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>: 38 47 -27**

**LAB\*LCH\*Ma: 38 55 329**

**lab\*rag\*Ma: 1.0 0.0 1.0**

**lab\*olv\*<sub>Ma</sub>: 0.46 0.0 1.0**

triangle lightness  $t^*$

100

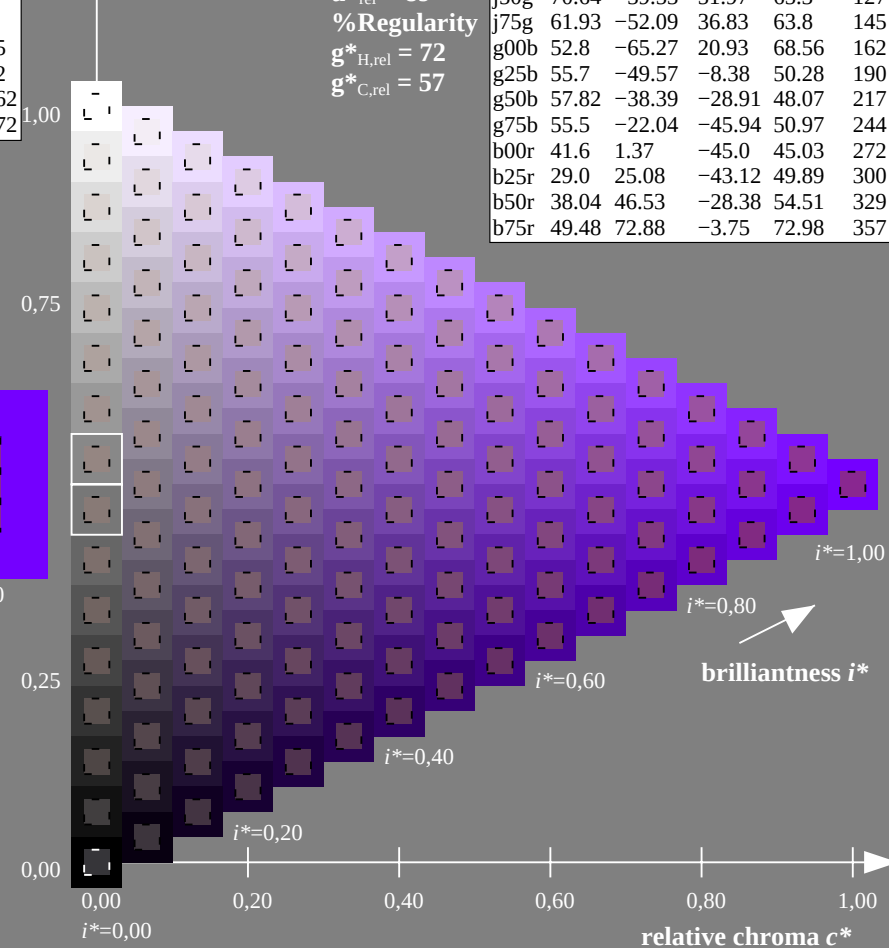
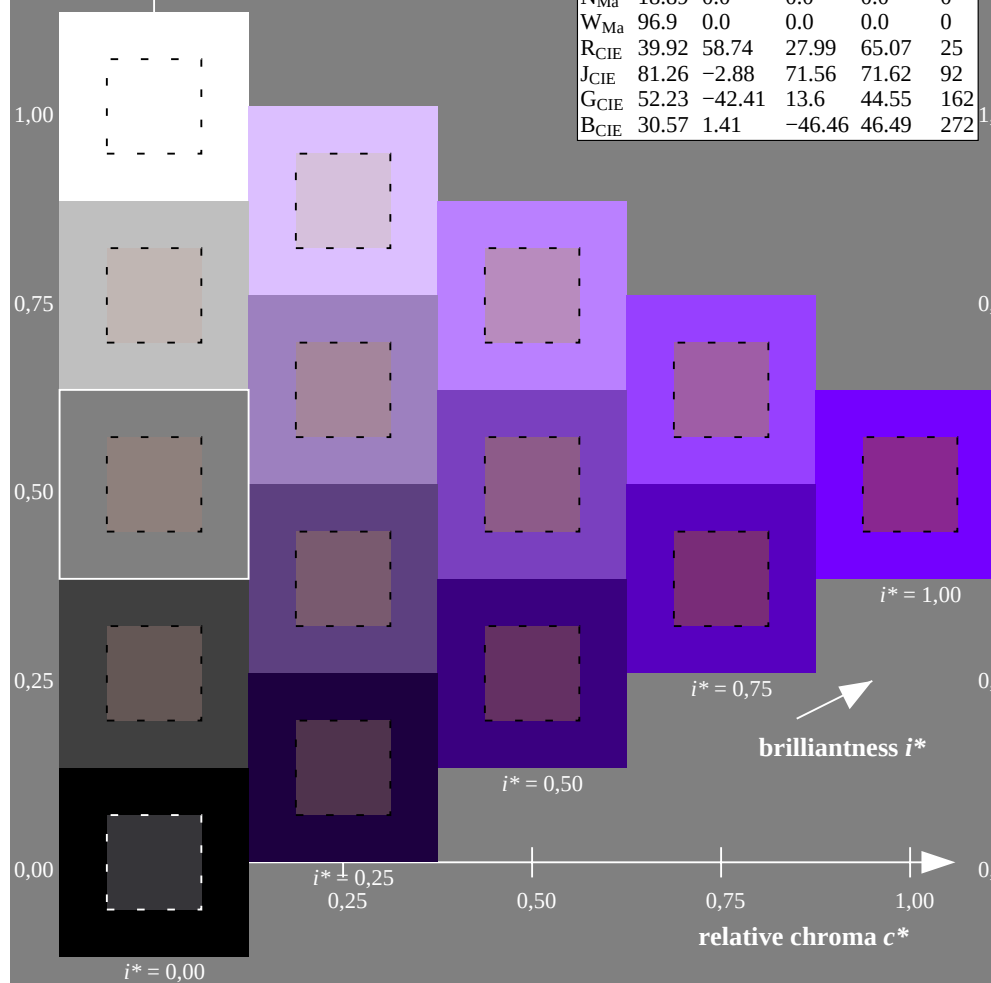
## %Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

## %Regularity

$$g_{H,rel}^* = 72$$

| ORS19_96a; adapted (a) CIELAB data |         |         |         |              |              |
|------------------------------------|---------|---------|---------|--------------|--------------|
|                                    | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88   | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85   | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45   | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19   | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03   | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72   | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64   | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93   | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8    | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7    | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82   | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5    | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6    | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0    | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04   | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48   | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

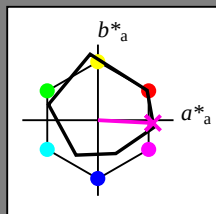
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 49 73 -3

$LAB^*LCH^*_{Ma}$ : 49 73 357

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.88

triangle lightness  $t^*$

%Gamut

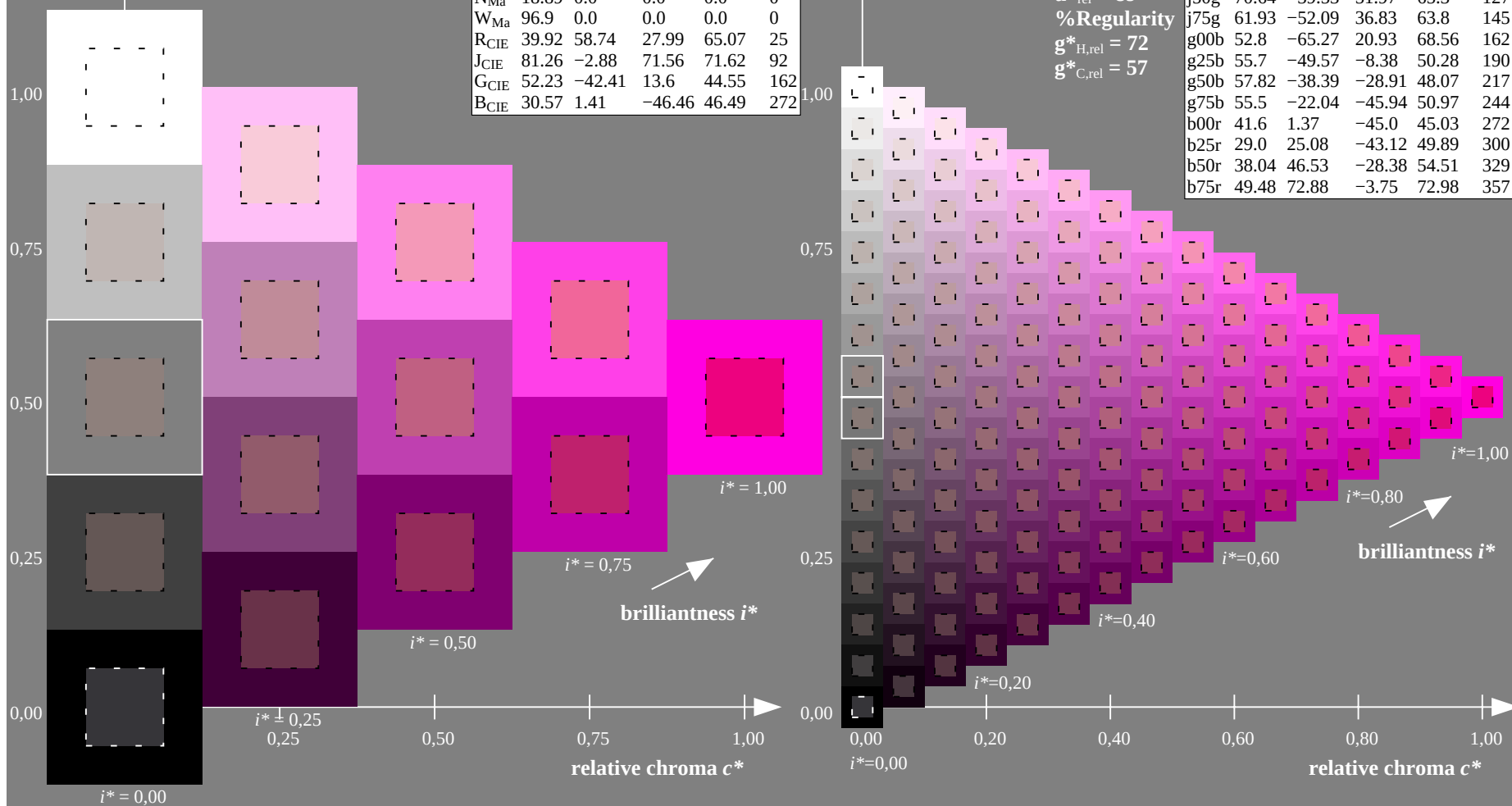
$u^*_{rel} = 89$

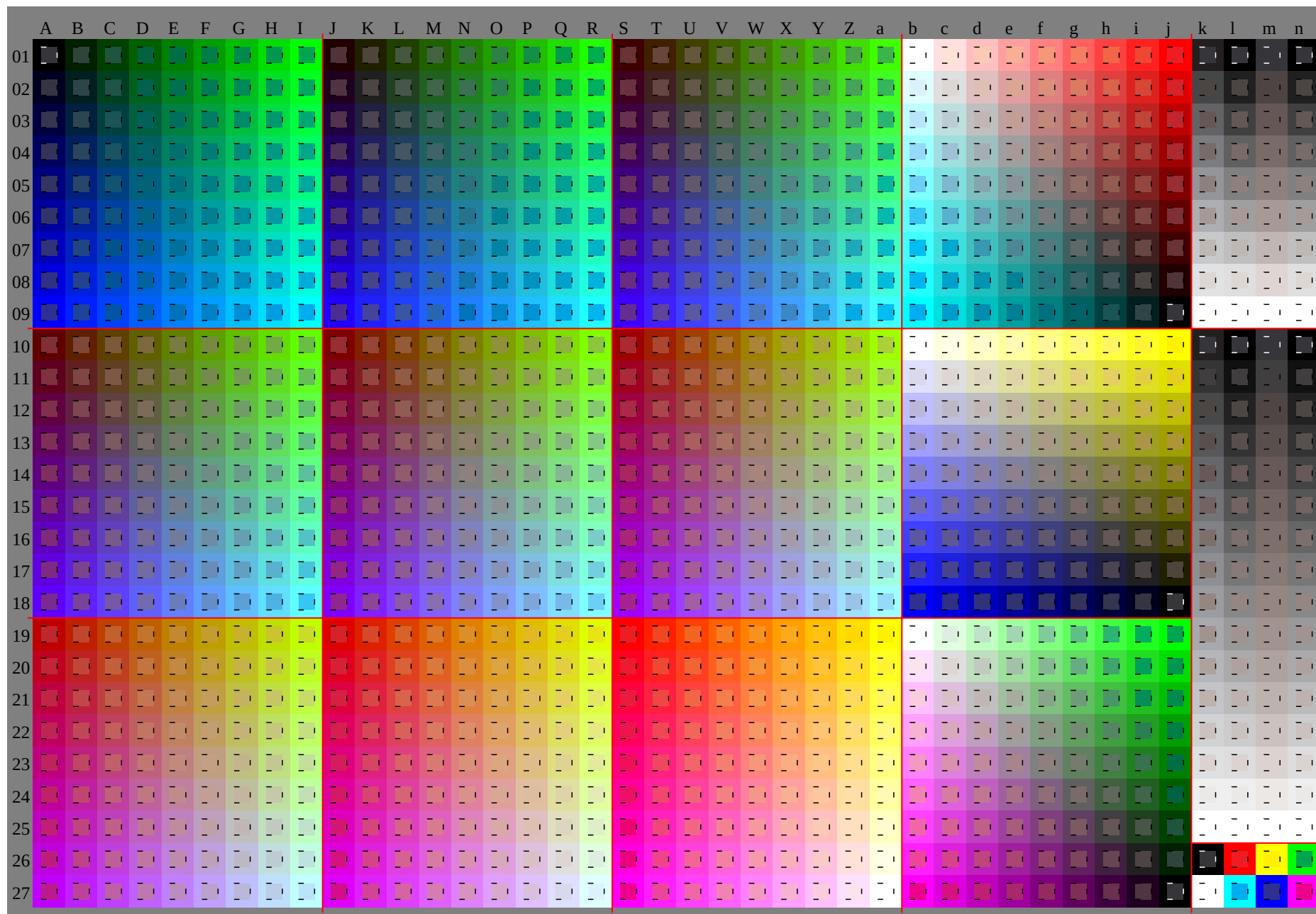
%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48         | 72.88   | -3.75   | 72.98        | 357          |

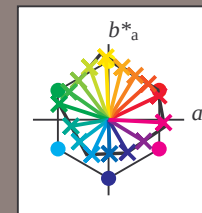




See for similar files: <http://www.ps.bam.de/De74/>; [www.ps.bam.de/De74/](http://www.ps.bam.de/De74/)  
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

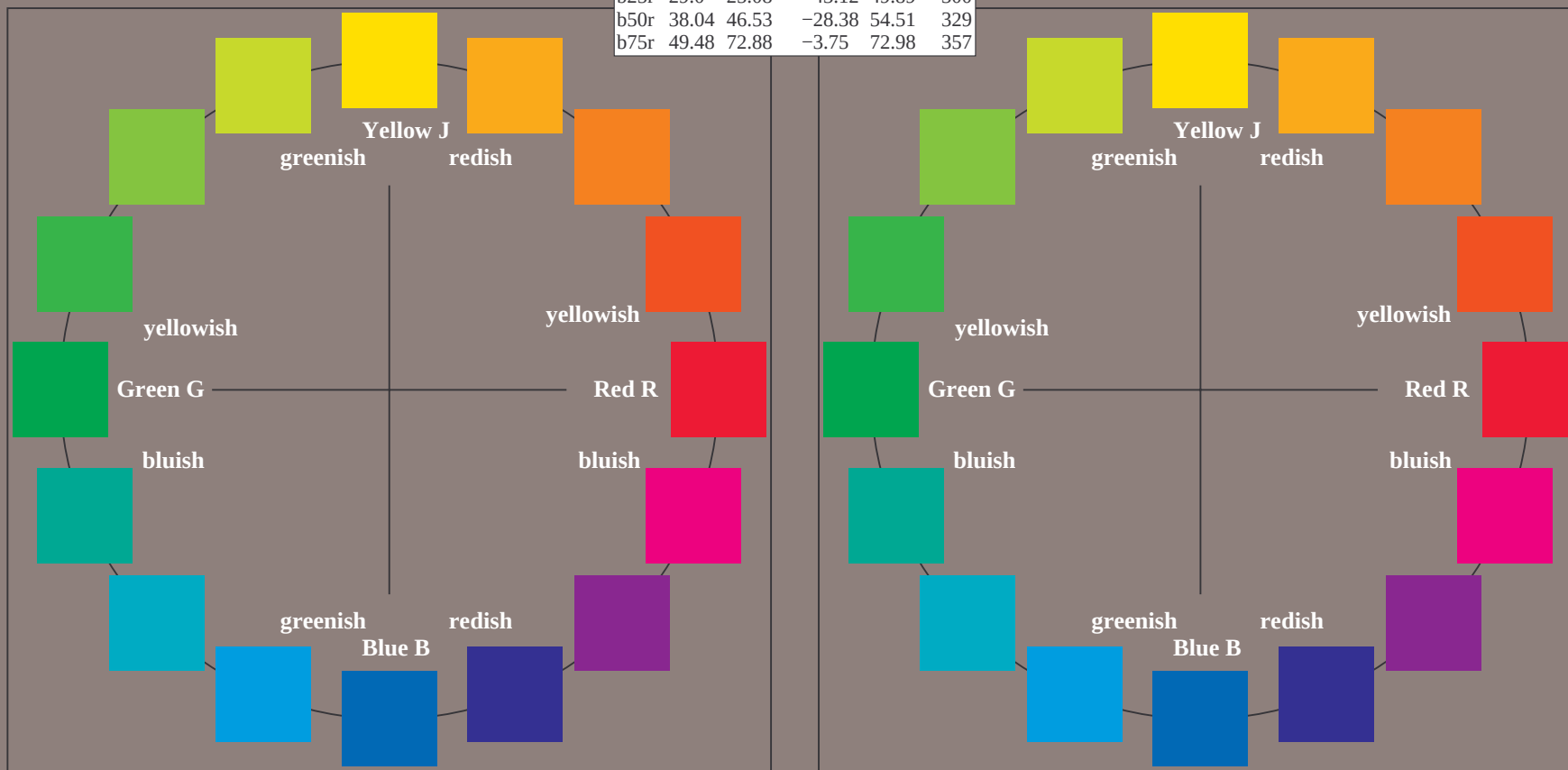
Input and output:  
Colorimetric Printer Reflective System ORS19\_96a  
data for any colour:  
*lab\*tch\** and *lab\*icu\**  
elementary hue text:  
*u\** = 16 hues *r00j*, *r25j*, ..., *b75r*  
contrast reduction factor:  
 $c_R = 1.0$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



%Gamut  
 $u^*_{rel} = 89$   
%Regularity  
 $g^*_{H,rel} = 72$   
 $g^*_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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 ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

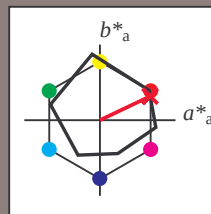
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 49 66 32

$LAB^*LCH^*_{Ma}$ : 49 74 25

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.16

triangle lightness  $t^*$

%Gamut

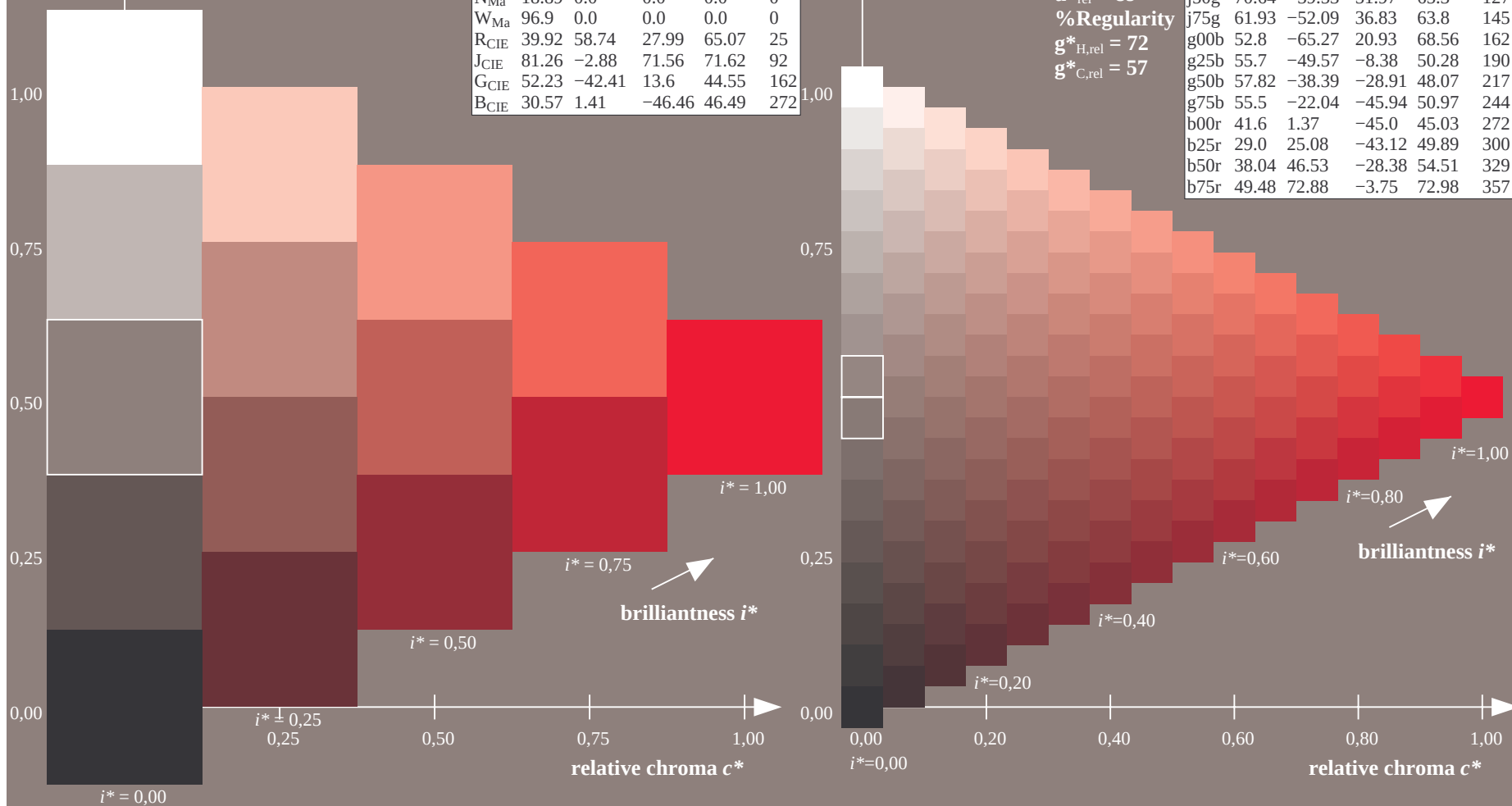
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

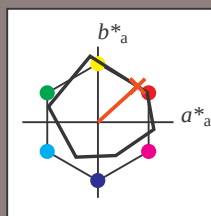
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 56 52 47

$LAB^*LCH^*_{Ma}$ : 56 71 42

$lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.17 0.0

triangle lightness  $t^*$

%Gamut

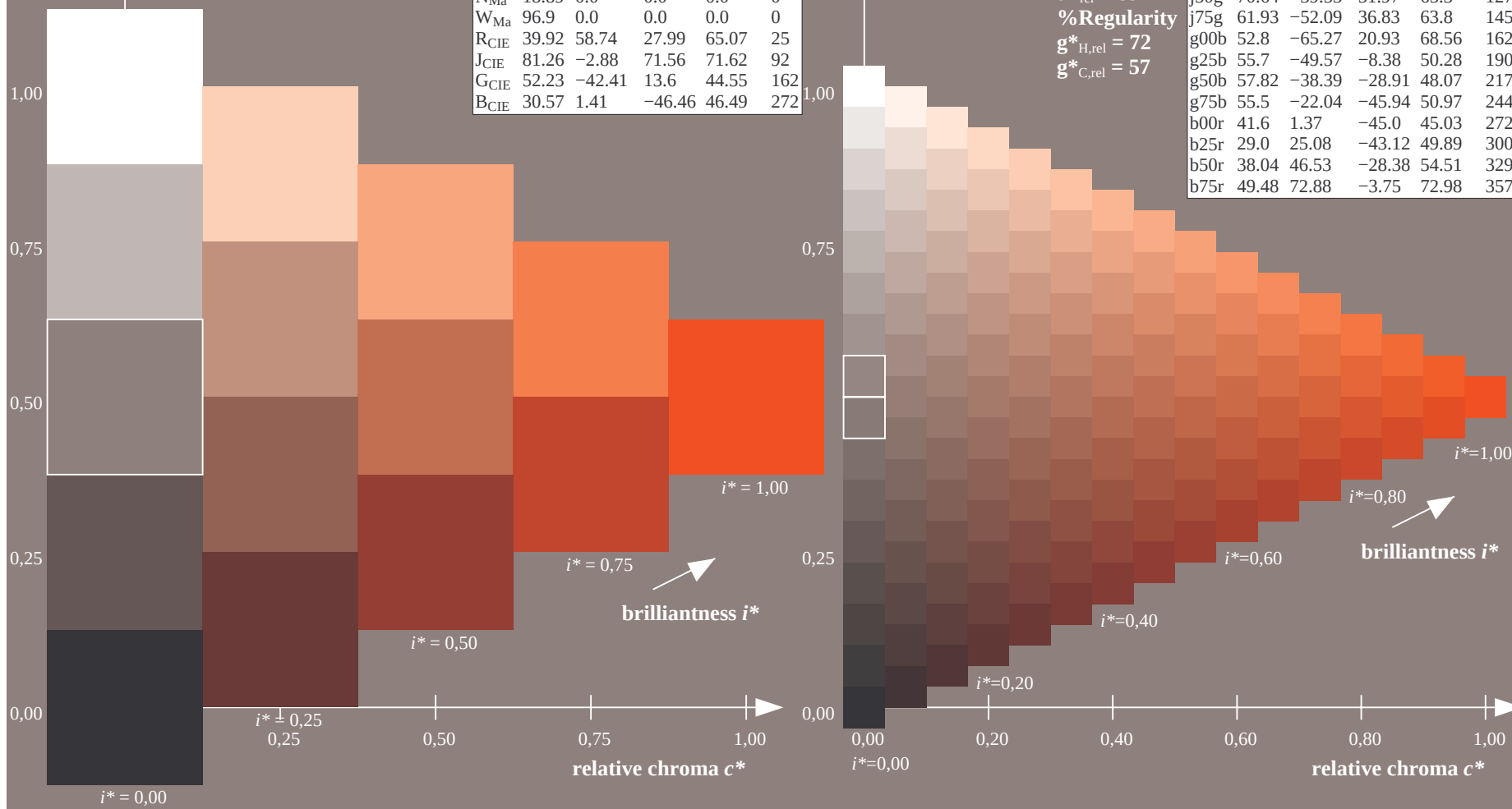
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

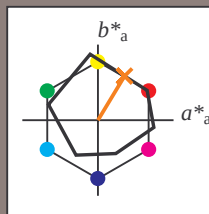
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 65 35 58

$LAB^*LCH^*_{Ma}$ : 65 68 59

$lab^*rgb^*_{Ma}$ : 1.0 0.5 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.4 0.0

triangle lightness  $t^*$

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |

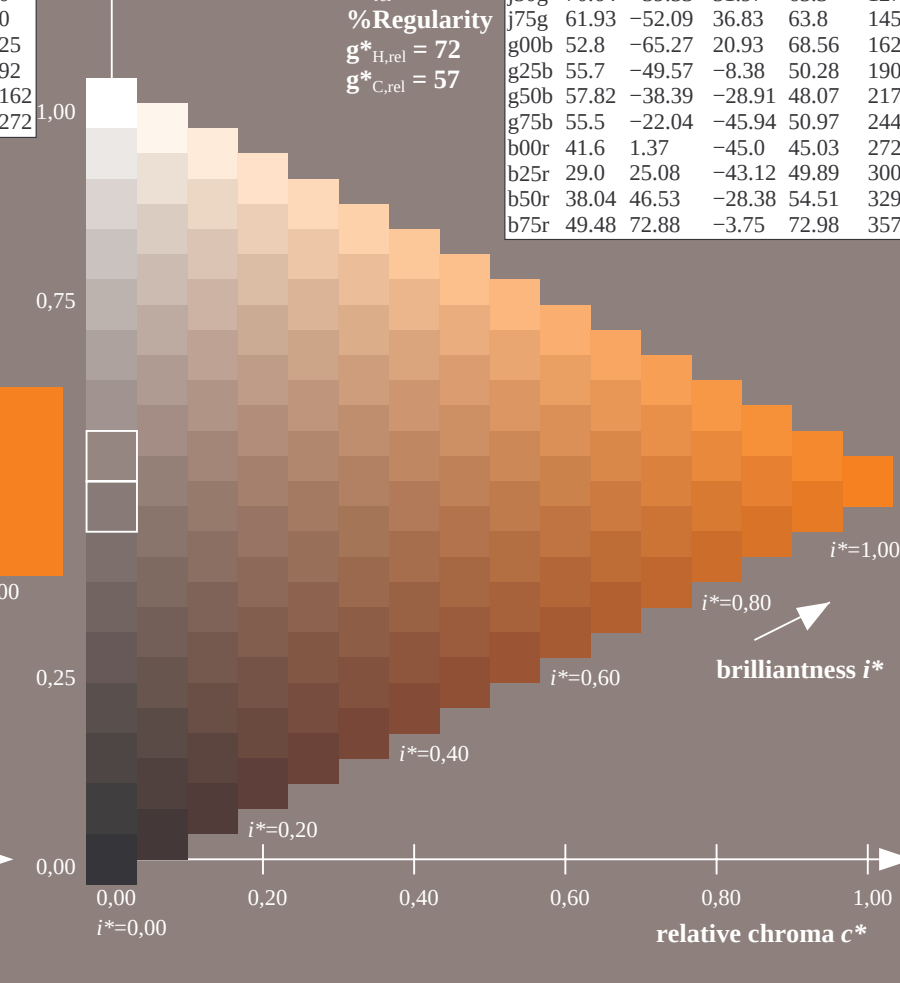
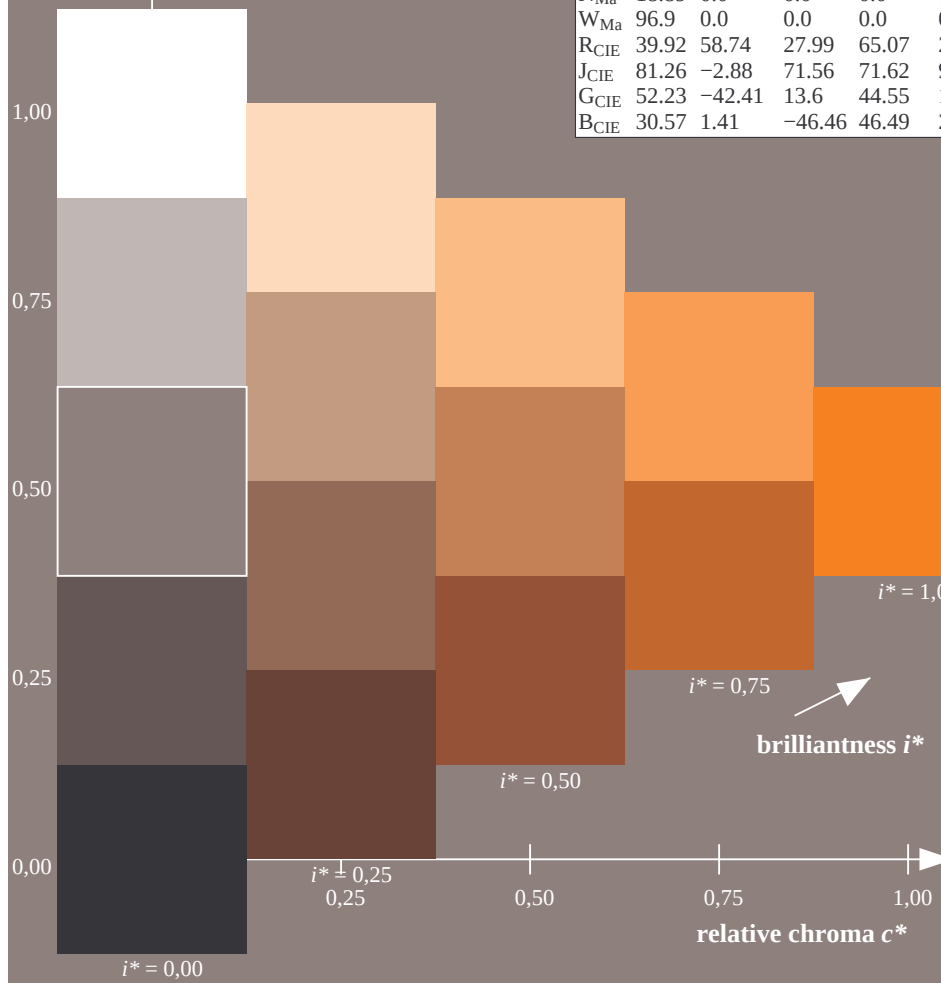
%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

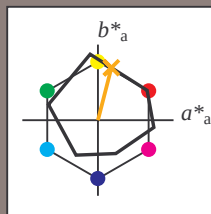
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 75 18 69

$LAB^*LCH^*_{Ma}$ : 75 72 76

$lab^*rgb^*_{Ma}$ : 1.0 0.75 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.63 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

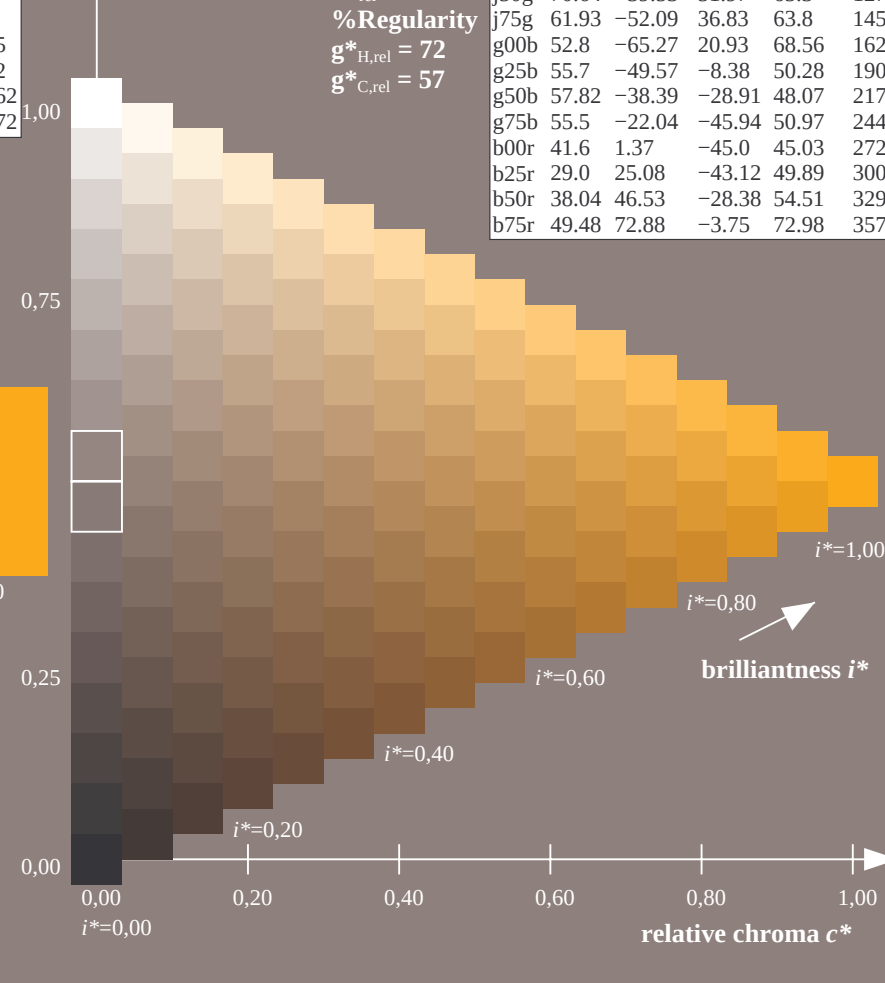
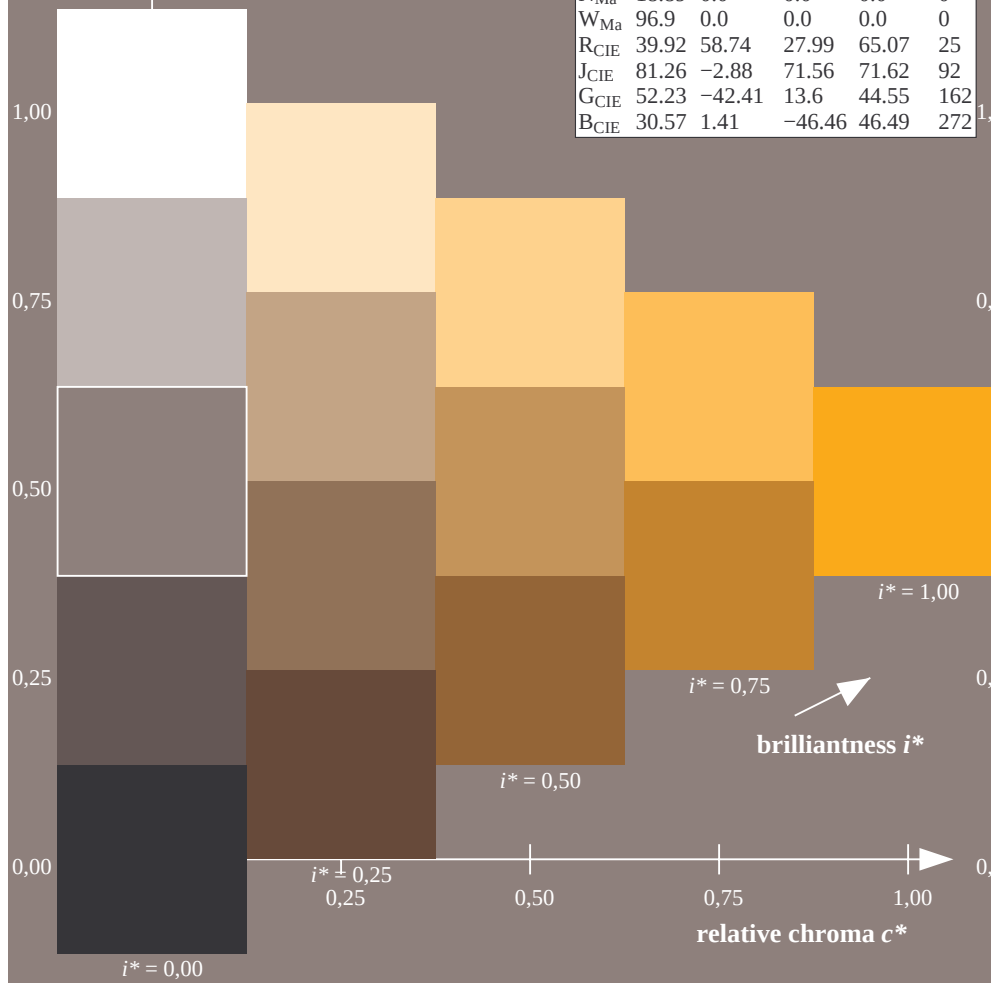
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

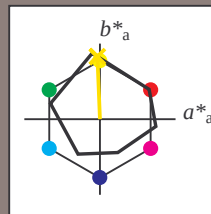
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 87 -2 83

$LAB^*LCH^*_{Ma}$ : 87 83 92

$lab^*rgb^*_{Ma}$ : 1.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.91 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

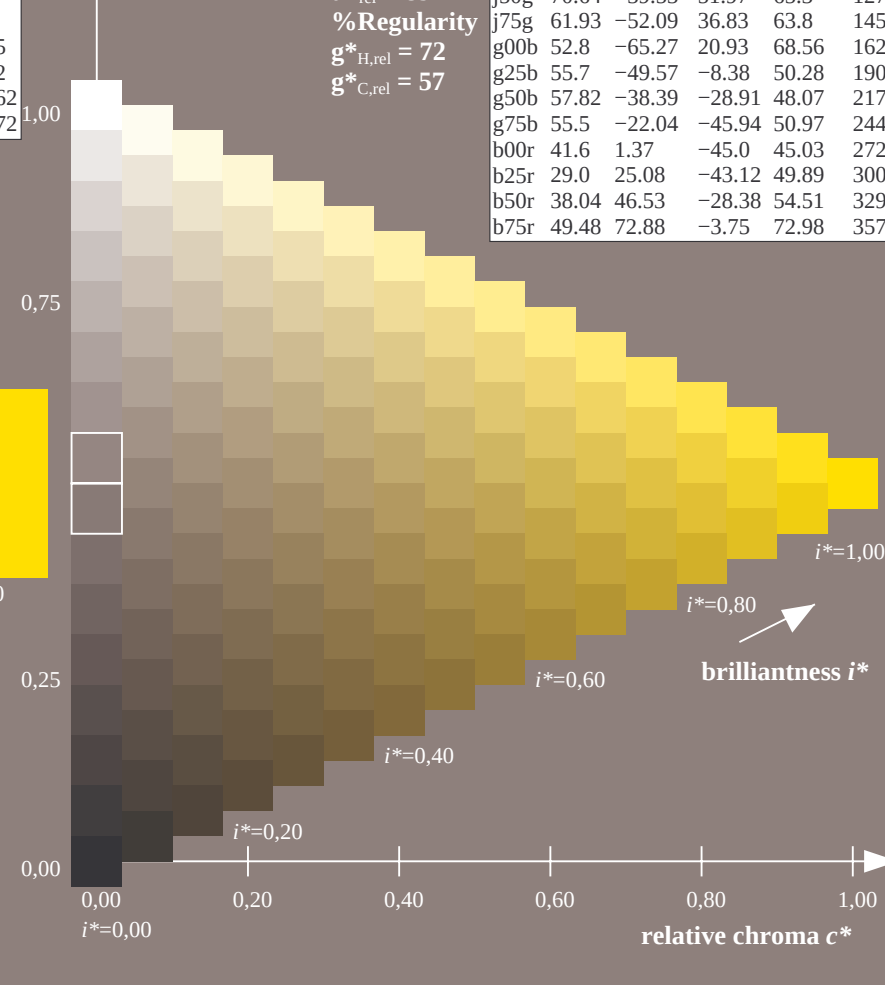
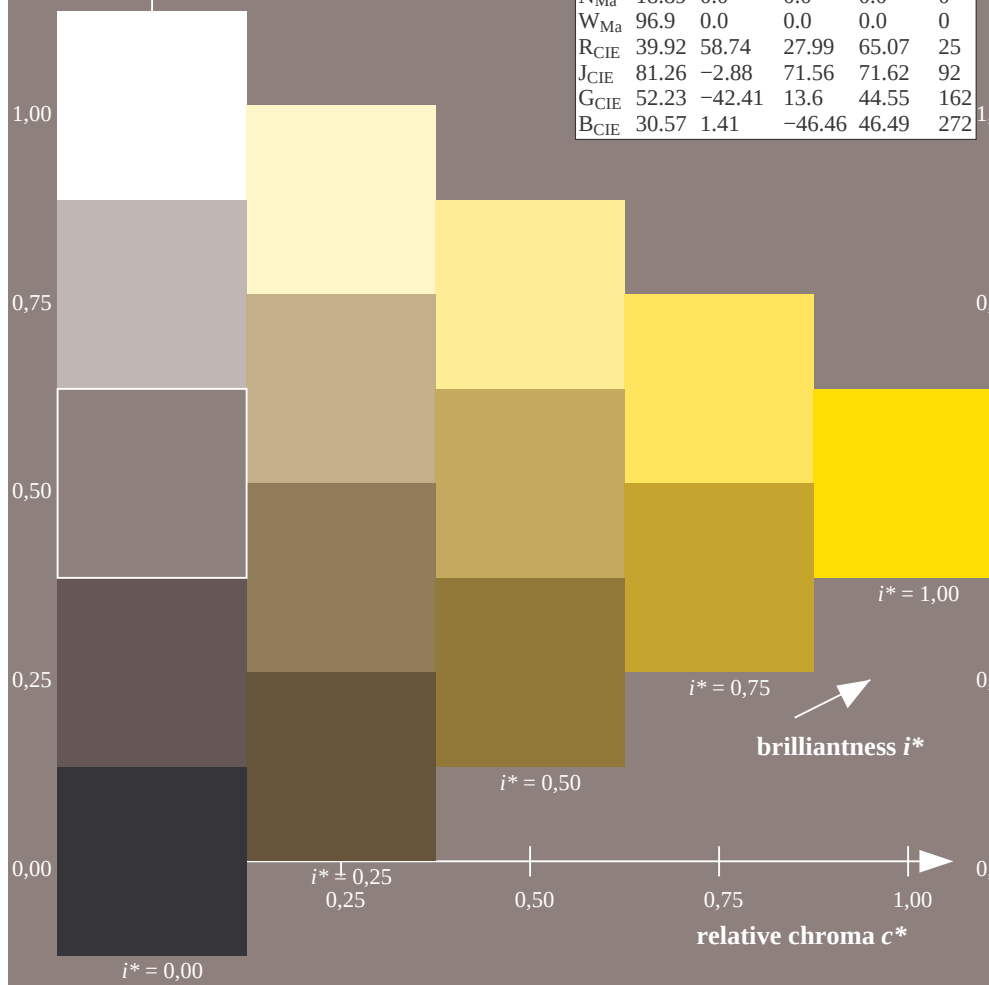
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

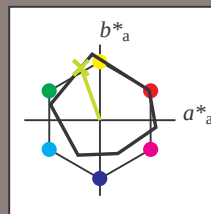
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 81 -24 69

$LAB^*LCH^*_{Ma}$ : 81 74 110

$lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.73 1.0 0.0

triangle lightness  $t^*$

%Gamut

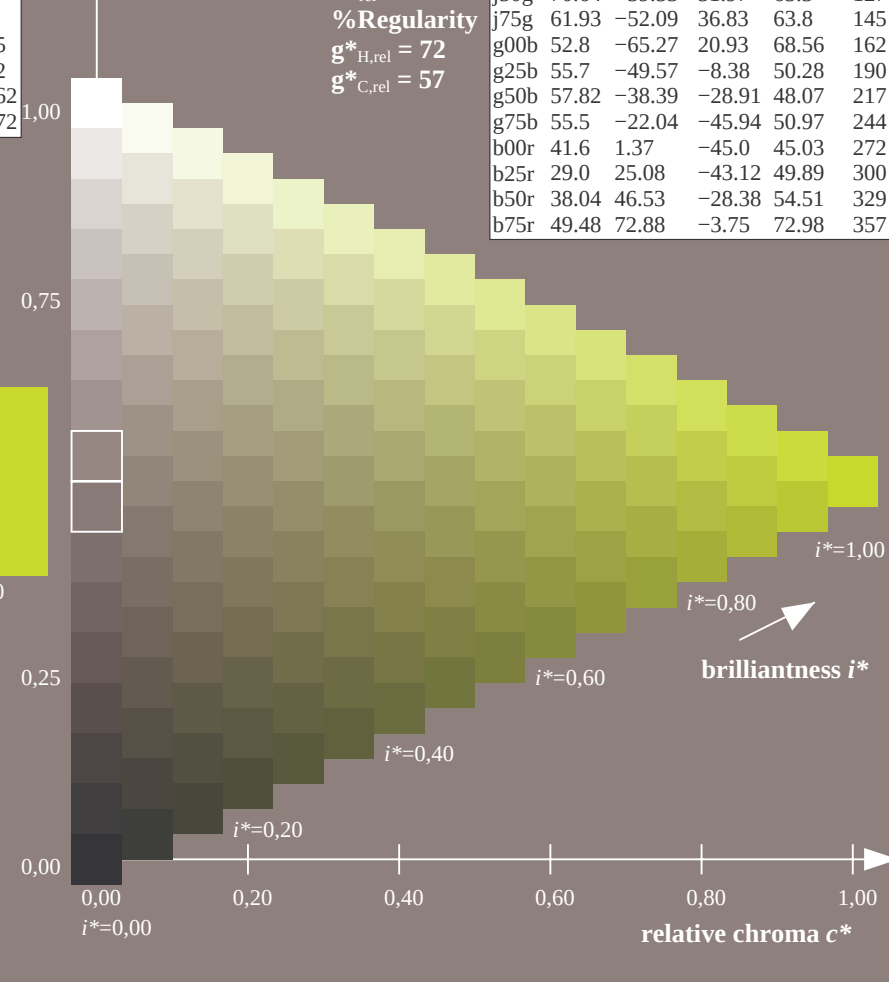
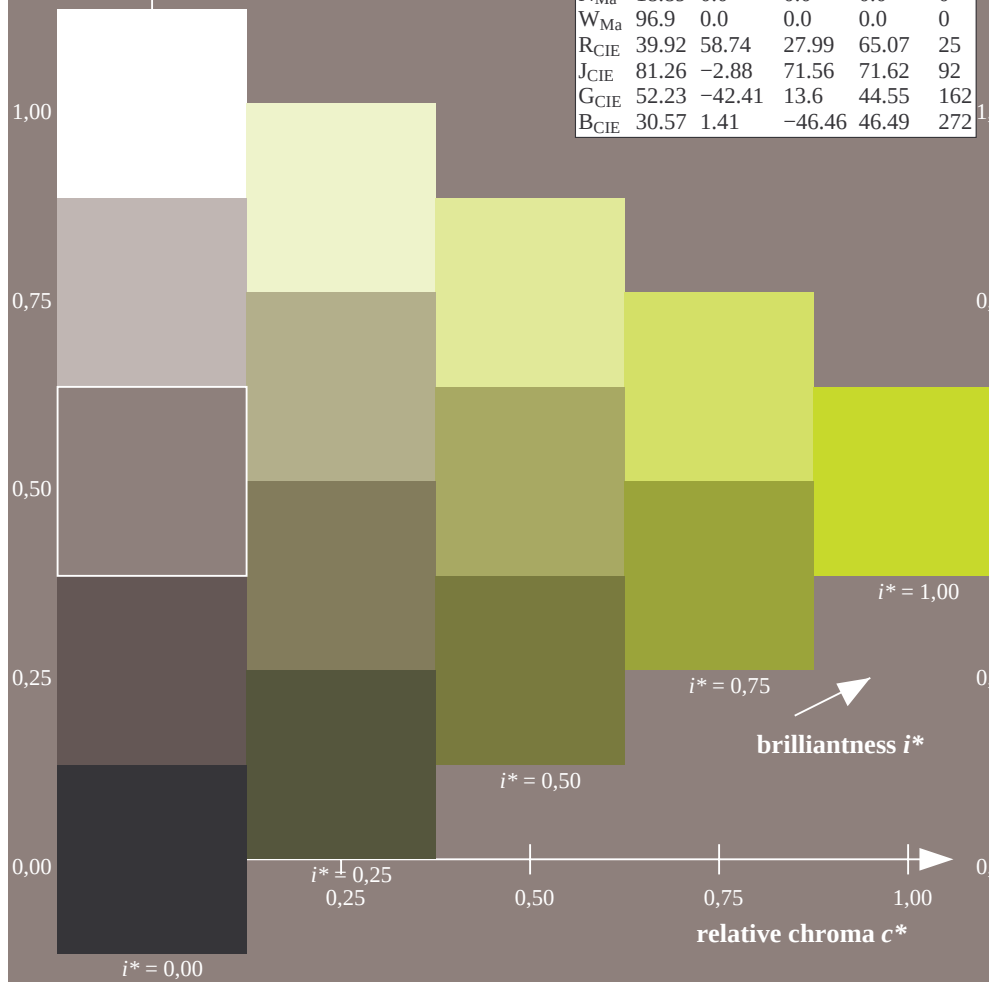
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

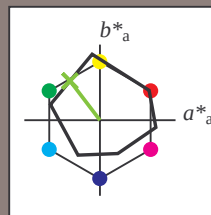
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 71 -39 52

$LAB^*LCH^*_{Ma}$ : 71 65 127

$lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.47 1.0 0.0

triangle lightness  $t^*$

%Gamut

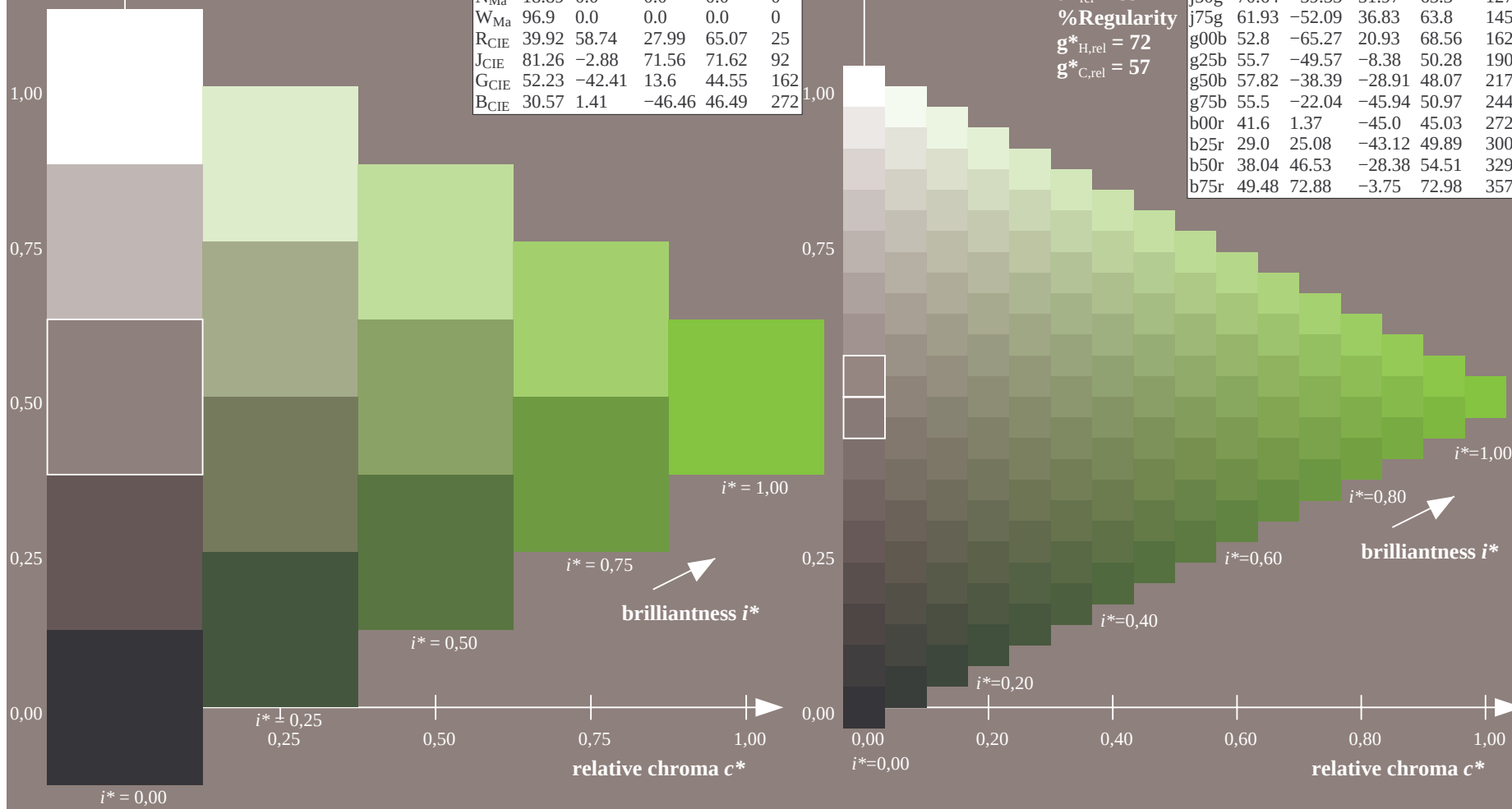
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

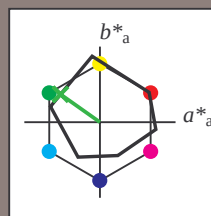
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 62 -51 37

$LAB^*LCH^*_{Ma}$ : 62 64 145

$lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.24 1.0 0.0

triangle lightness  $t^*$

%Gamut

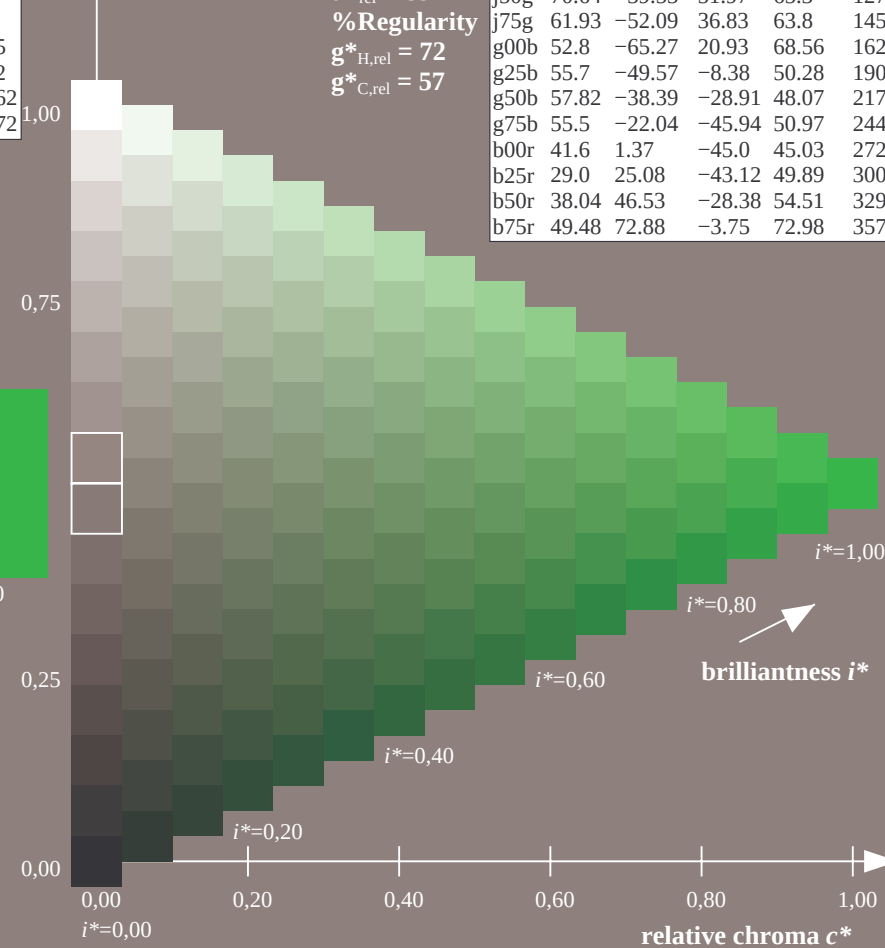
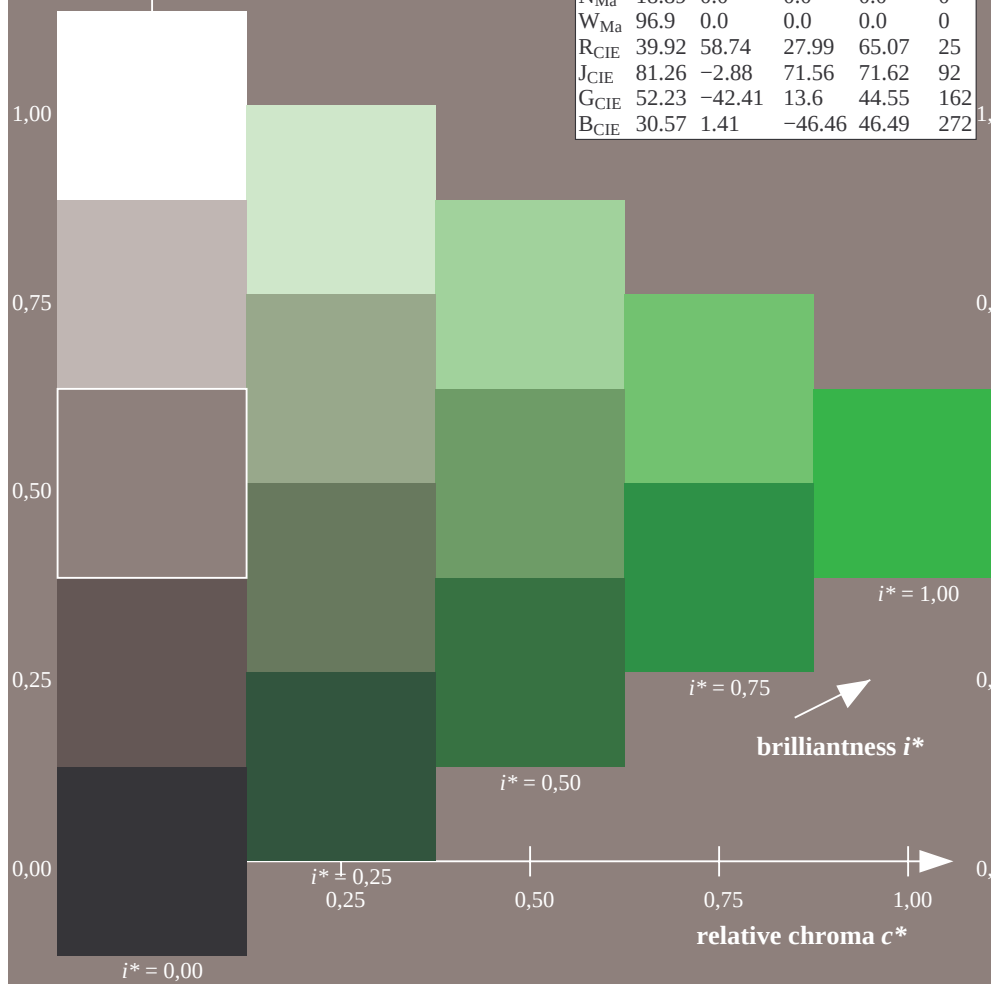
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





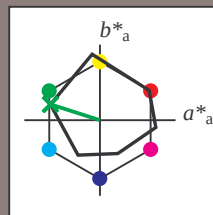
**Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$  data for any colour: Data for maximum colour (Ma):**

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

elementary hue text:

$$u^* = g_{00}b$$

**contrast reduction factor:**

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

| ORS19_96a; adapted (a) CIELAB data |         |         |         |              |              |
|------------------------------------|---------|---------|---------|--------------|--------------|
|                                    | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75   | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 50.92   | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 92.69   | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61   | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39   | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58   | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89   | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9    | 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>: 53 -64 21**

**LAB\*LCH\*Ma: 53 69 162**

*lab\*rag\**Ma: 0.0 1.0 0.0

**lab\*oly\*\_M3: 0.0 1.0 0.0**

triangle lightness  $t^*$ 

100

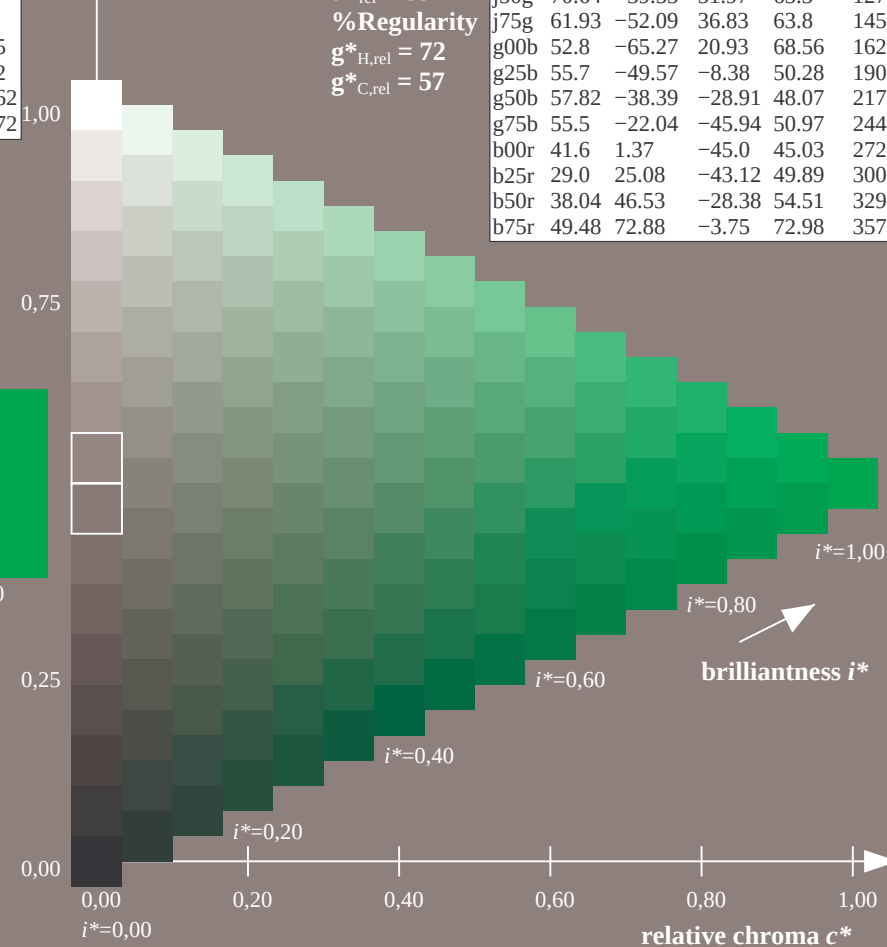
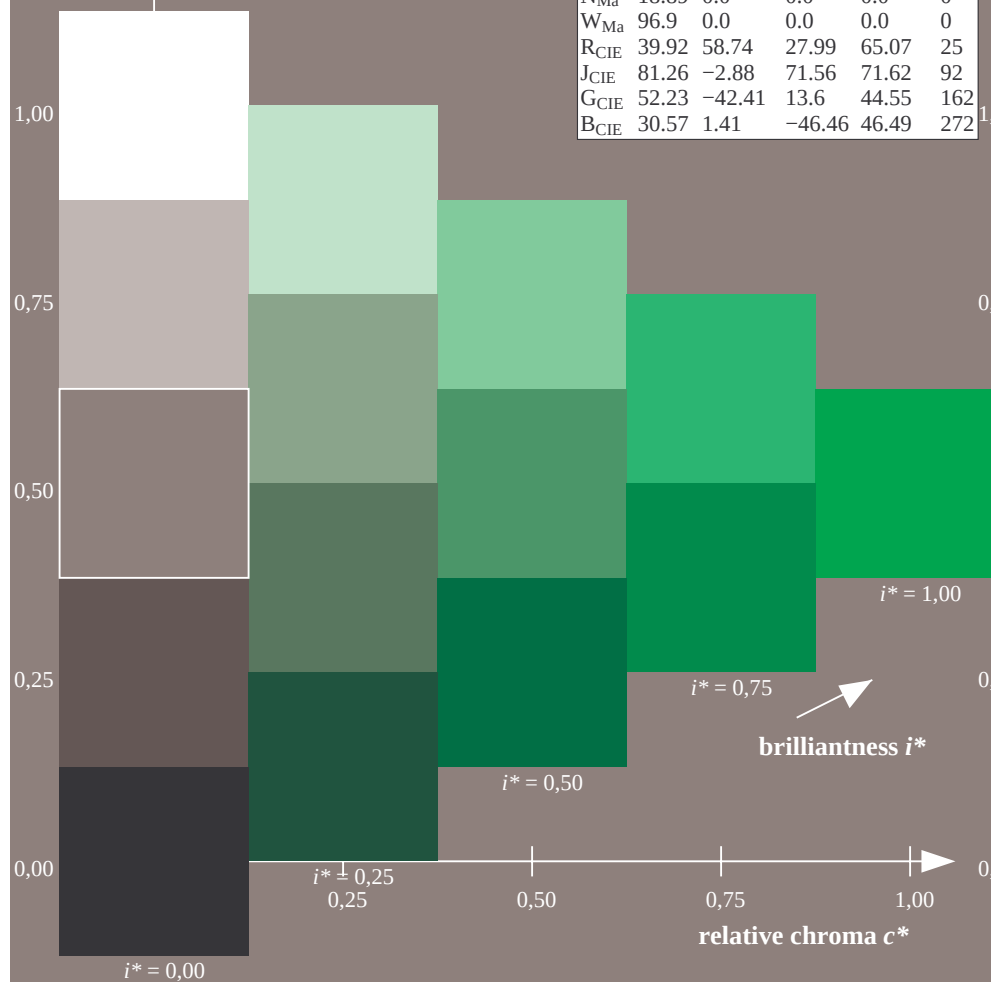
## %Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

## %Regularity

$$g_{\text{H,rel}}^* = 72$$
$$\mathbf{g}_{\text{C,rel}}^* = 57$$

| ORS19_96a; adapted (a) CIELAB data |         |         |         |              |              |
|------------------------------------|---------|---------|---------|--------------|--------------|
|                                    | $L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88   | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85   | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45   | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19   | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03   | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72   | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64   | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93   | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8    | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7    | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82   | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5    | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6    | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0    | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04   | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48   | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

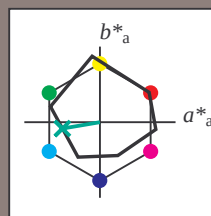
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 56 -49 -7

$LAB^*LCH^*_{Ma}$ : 56 50 190

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.5

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.44

triangle lightness  $t^*$

%Gamut

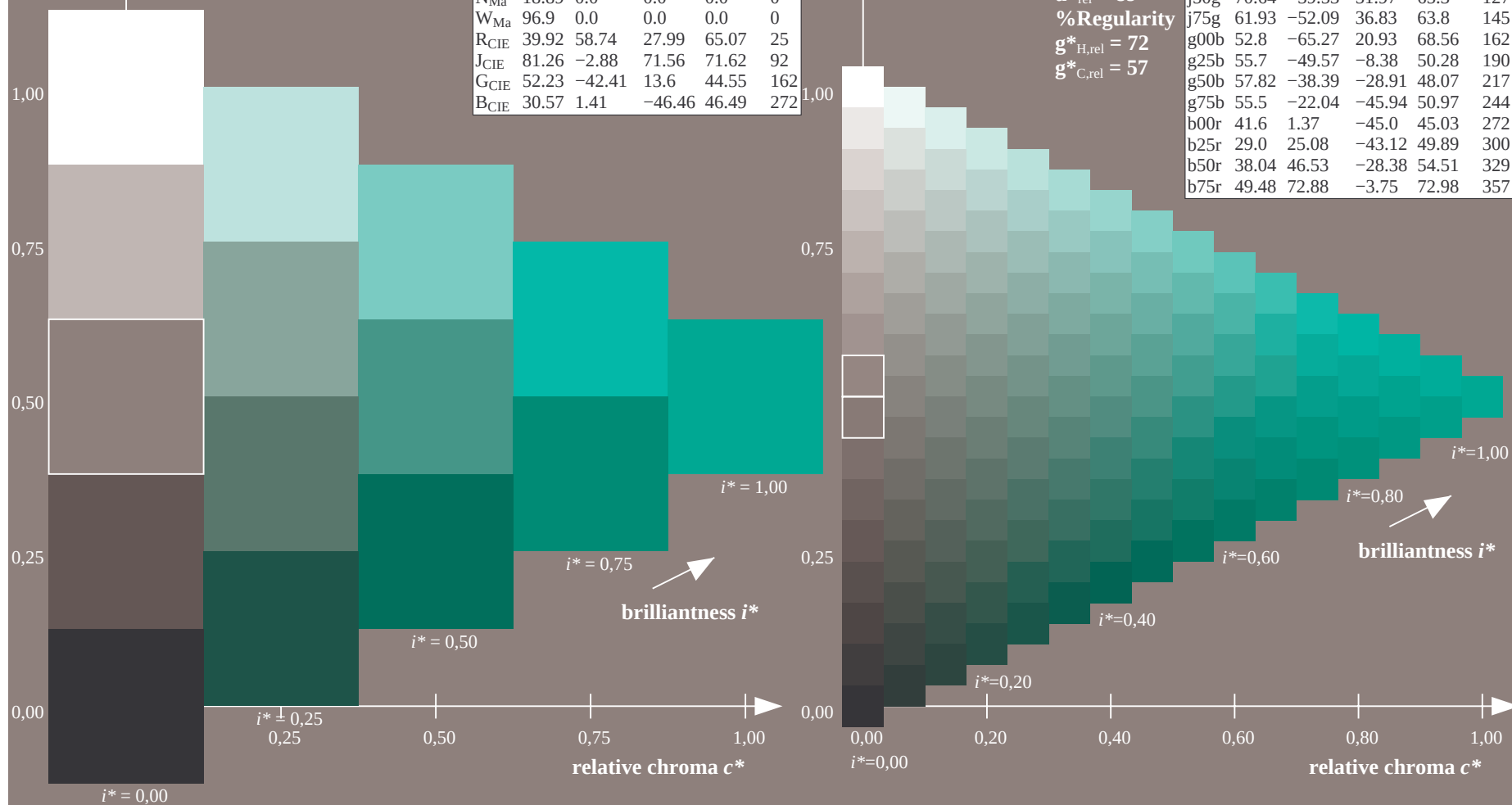
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

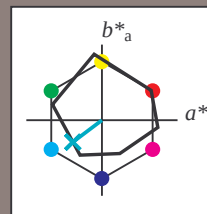
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 58 -37 -28

$LAB^*LCH^*_{Ma}$ : 58 48 217

$lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.74

triangle lightness  $t^*$

%Gamut

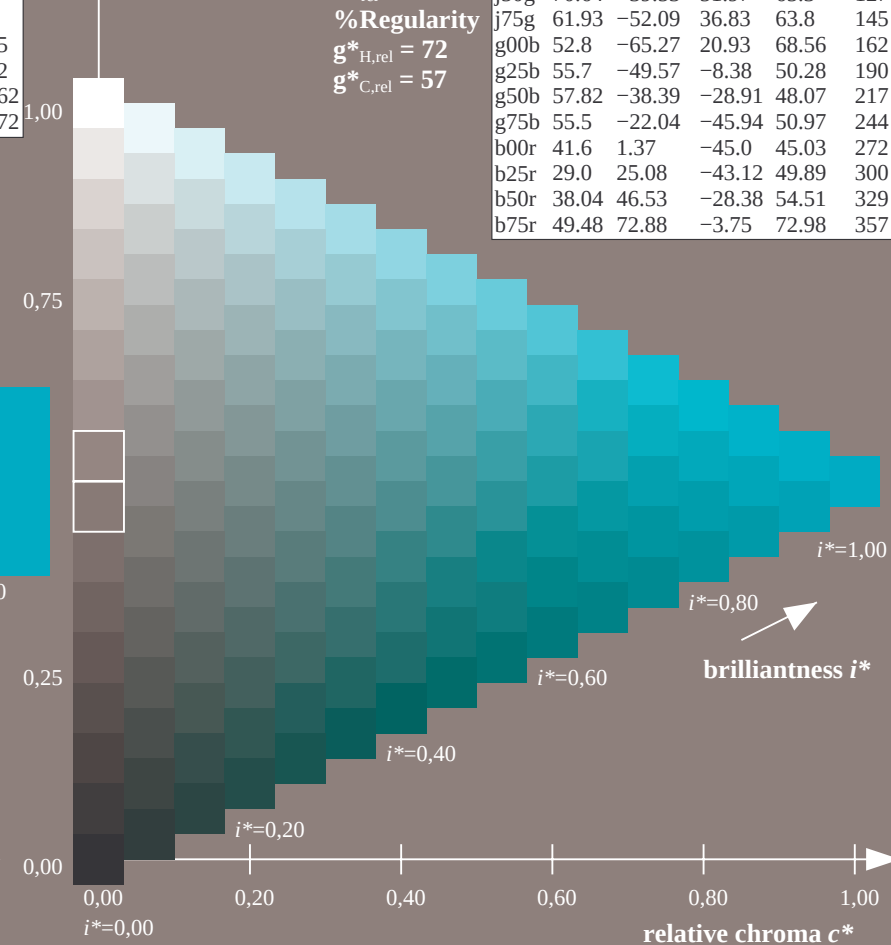
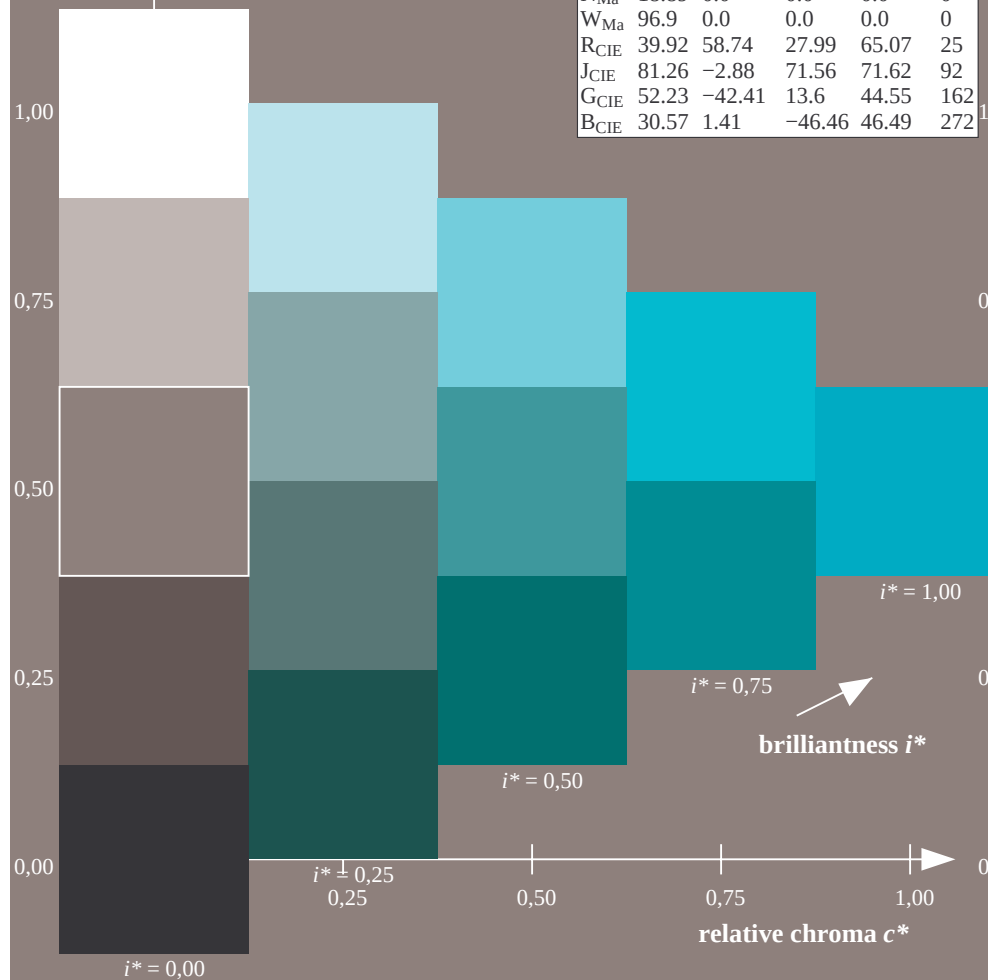
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

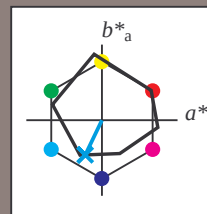
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 55 -21 -45

$LAB^*LCH^*_{Ma}$ : 55 51 244

$lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.87 1.0

triangle lightness  $t^*$

%Gamut

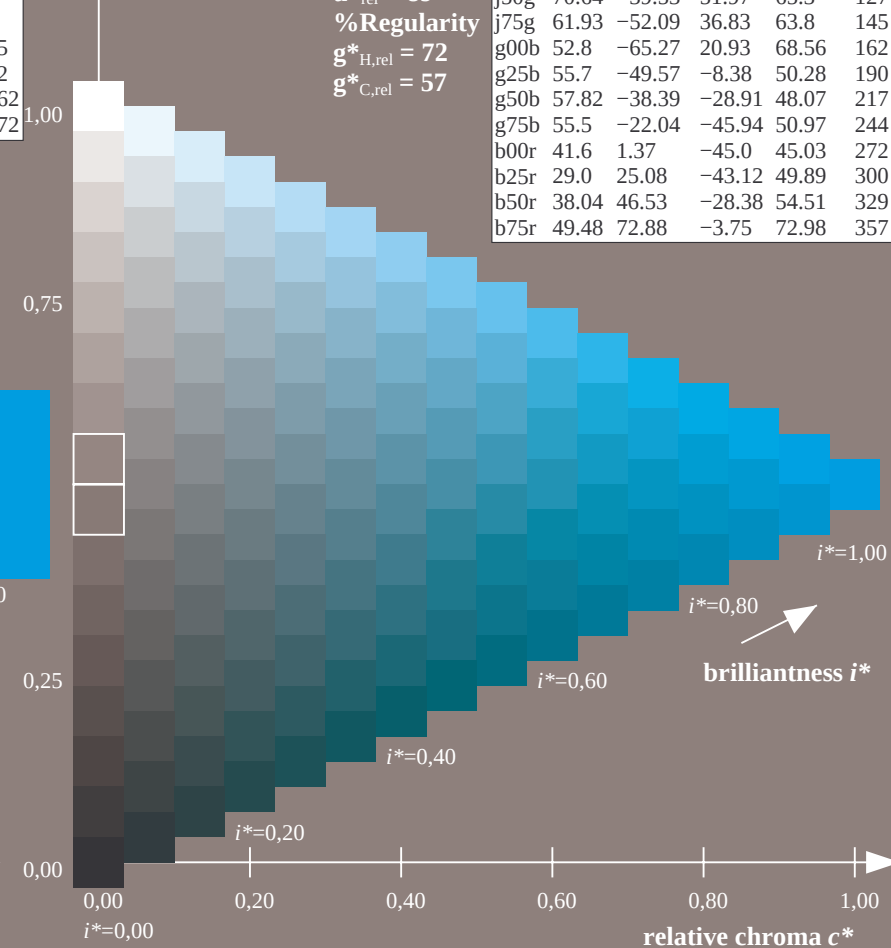
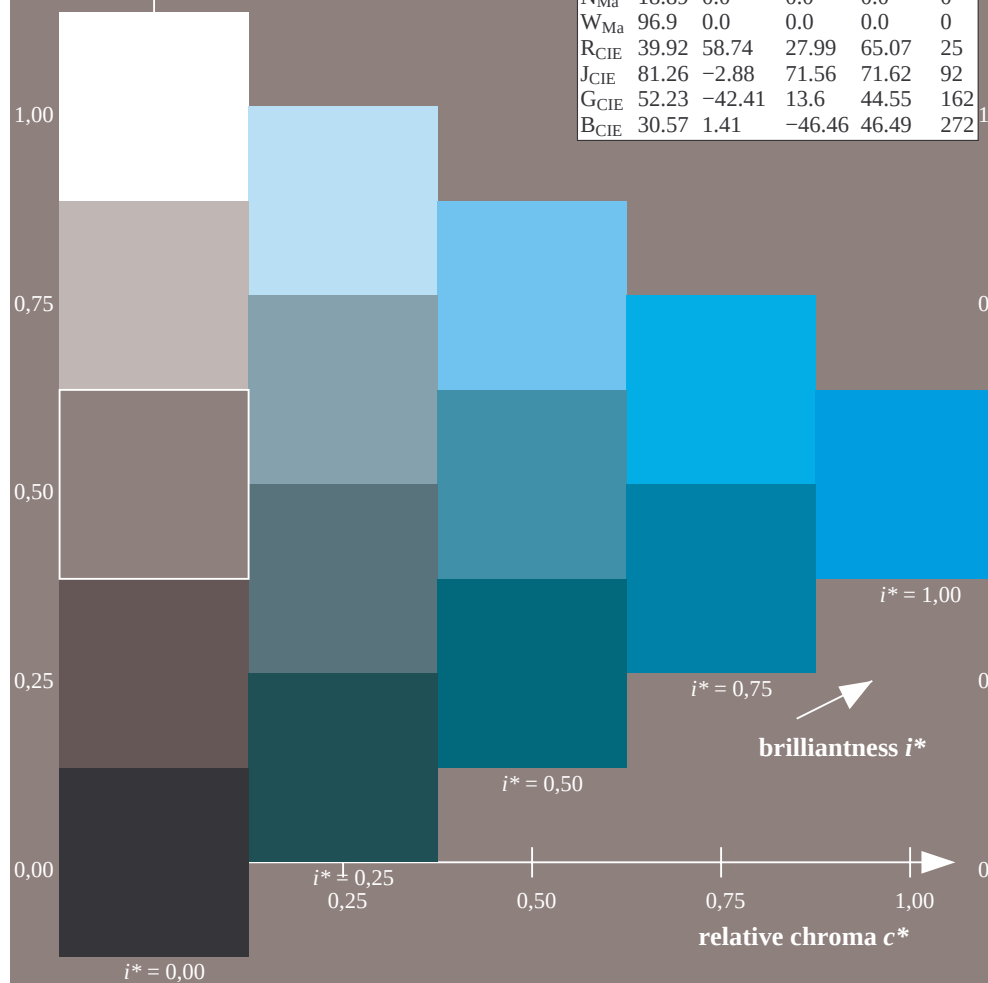
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

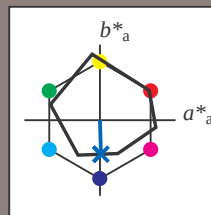
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 42 1 -44

$LAB^*LCH^*_{Ma}$ : 42 45 272

$lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.42 1.0

triangle lightness  $t^*$

%Gamut

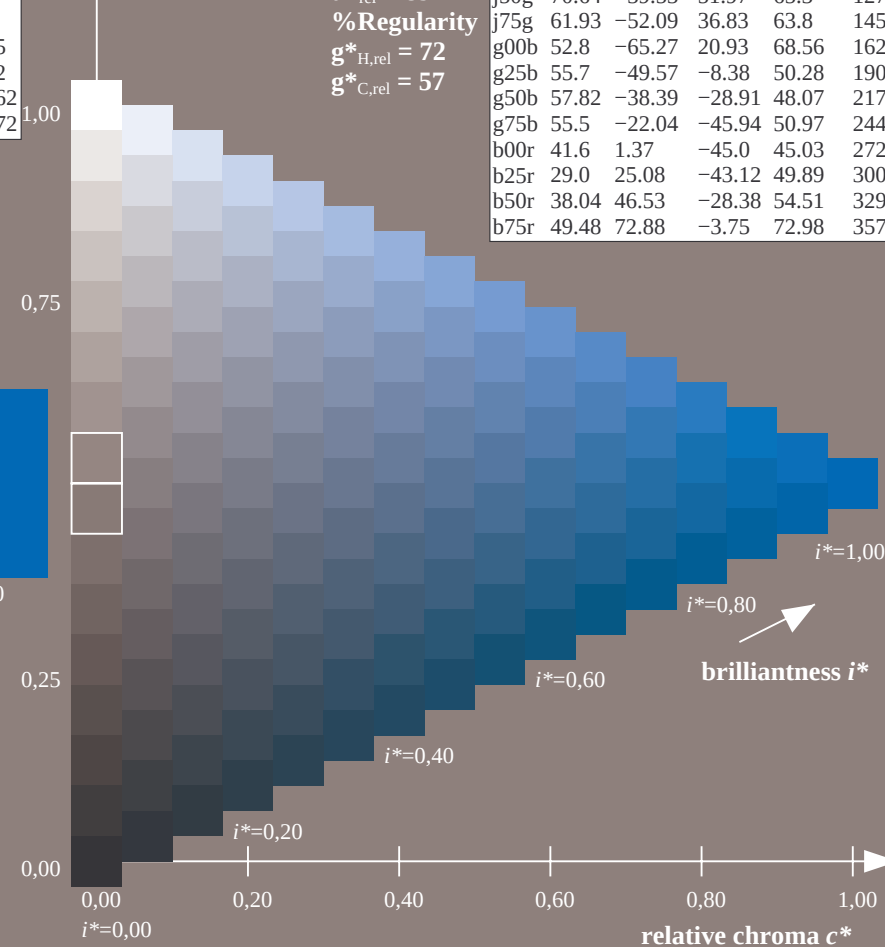
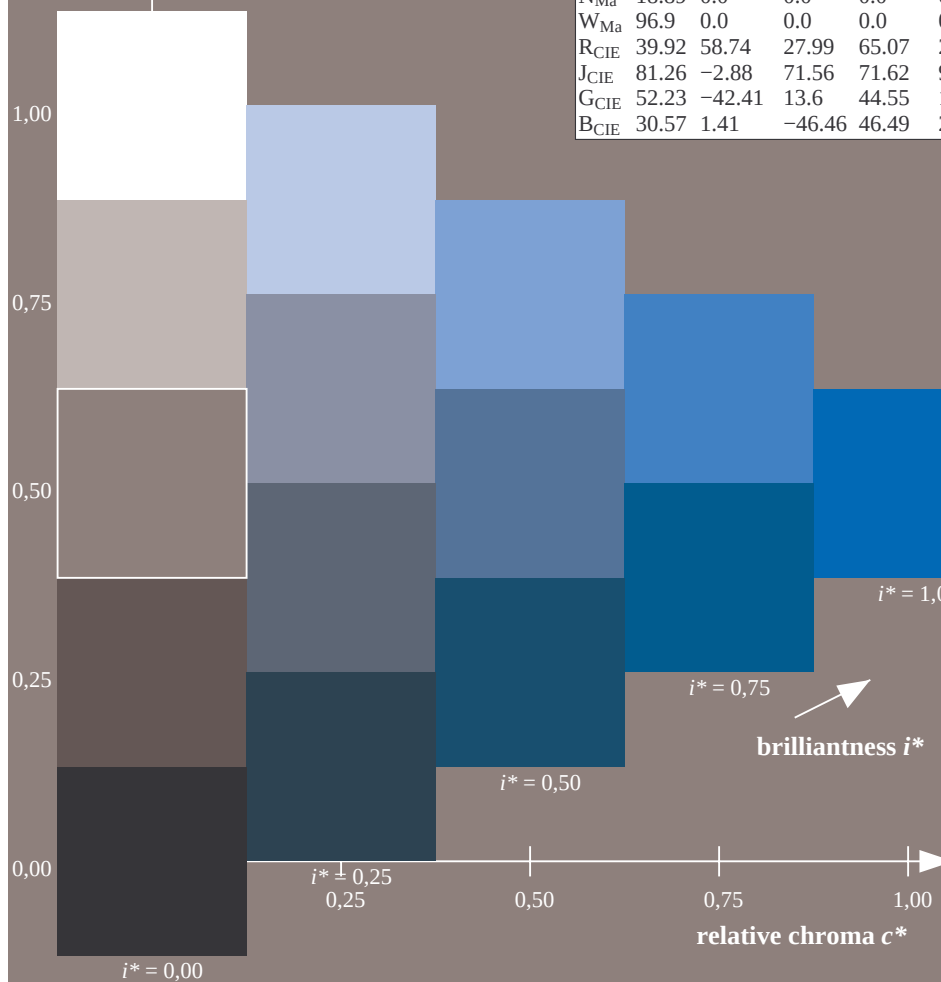
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

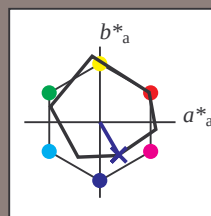
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 29 25 -42

$LAB^*LCH^*_{Ma}$ : 29 50 300

$lab^*rgb^*_{Ma}$ : 0.5 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.03 0.0 1.0

triangle lightness  $t^*$

%Gamut

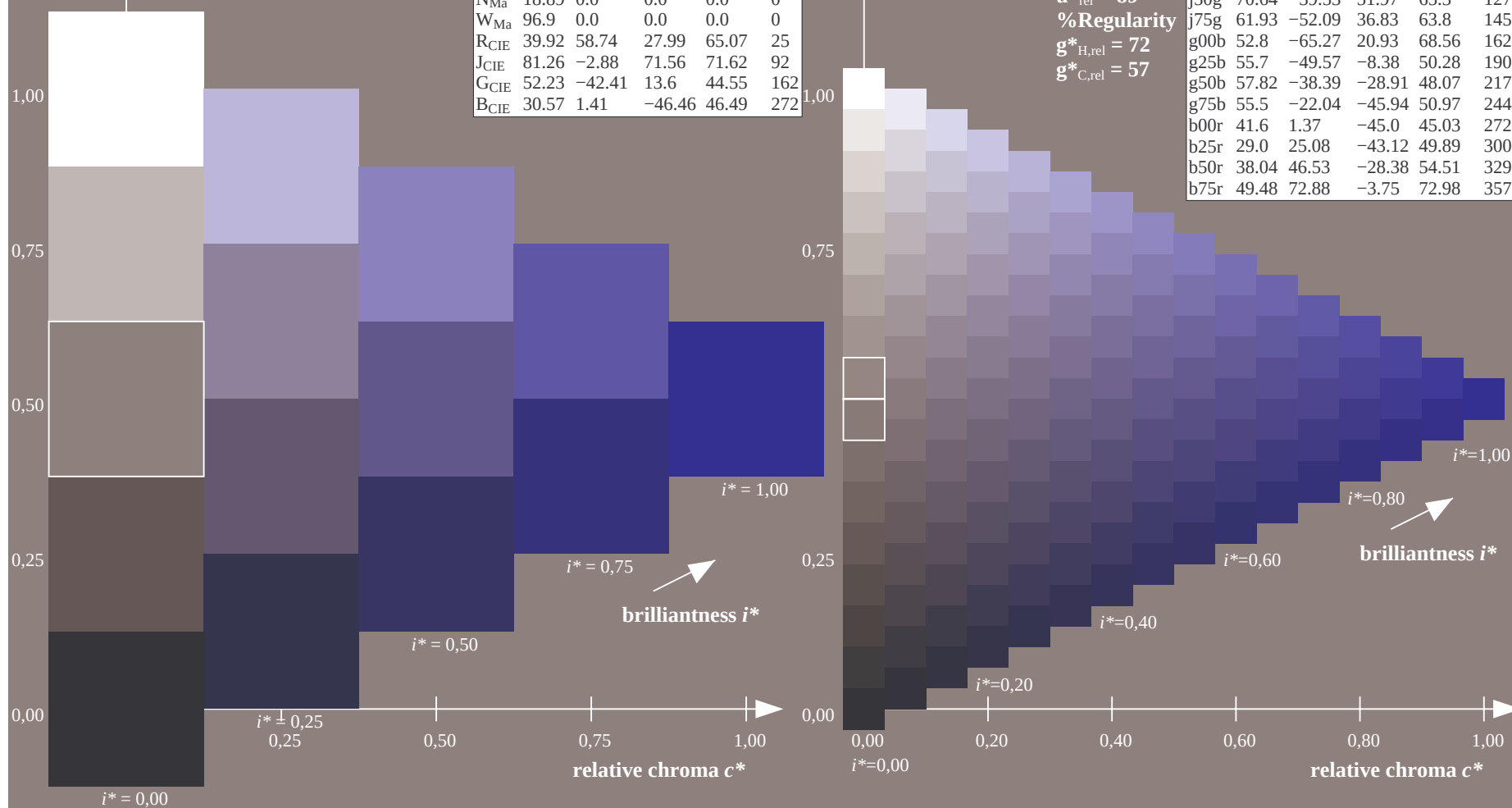
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

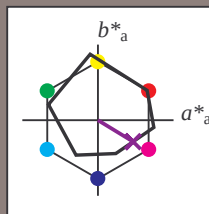
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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 47 -27

$LAB^*LCH^*_{Ma}$ : 38 55 329

$lab^*rgb^*_{Ma}$ : 1.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.46 0.0 1.0

triangle lightness  $t^*$

%Gamut

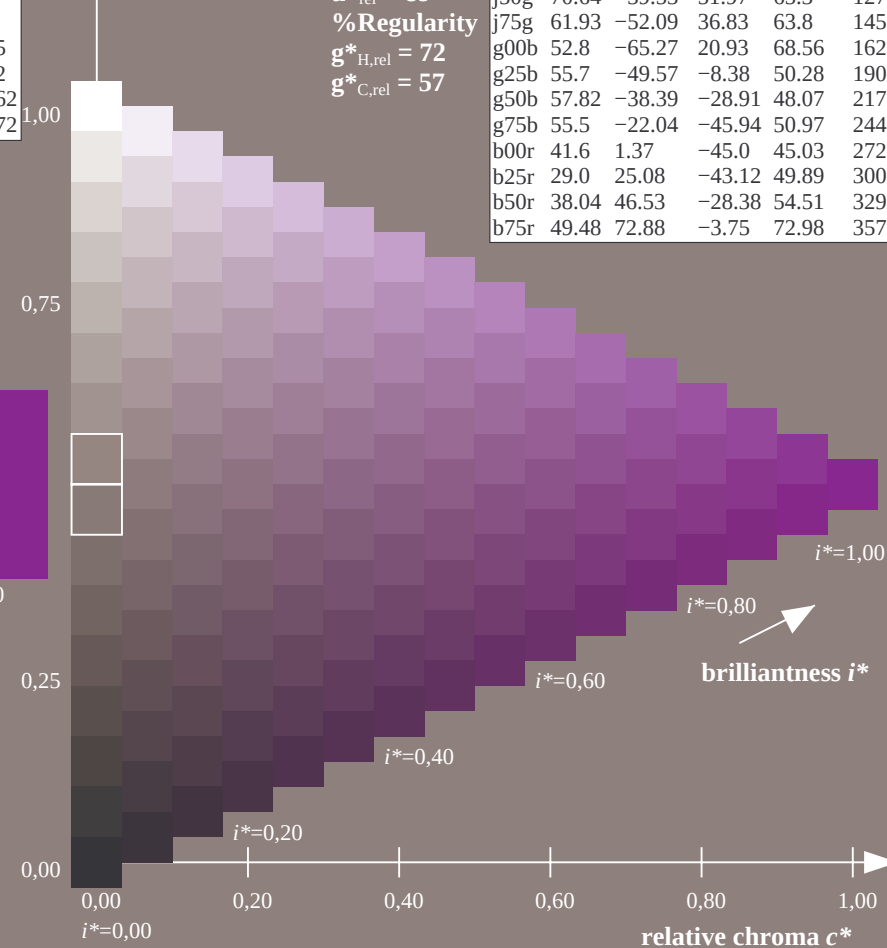
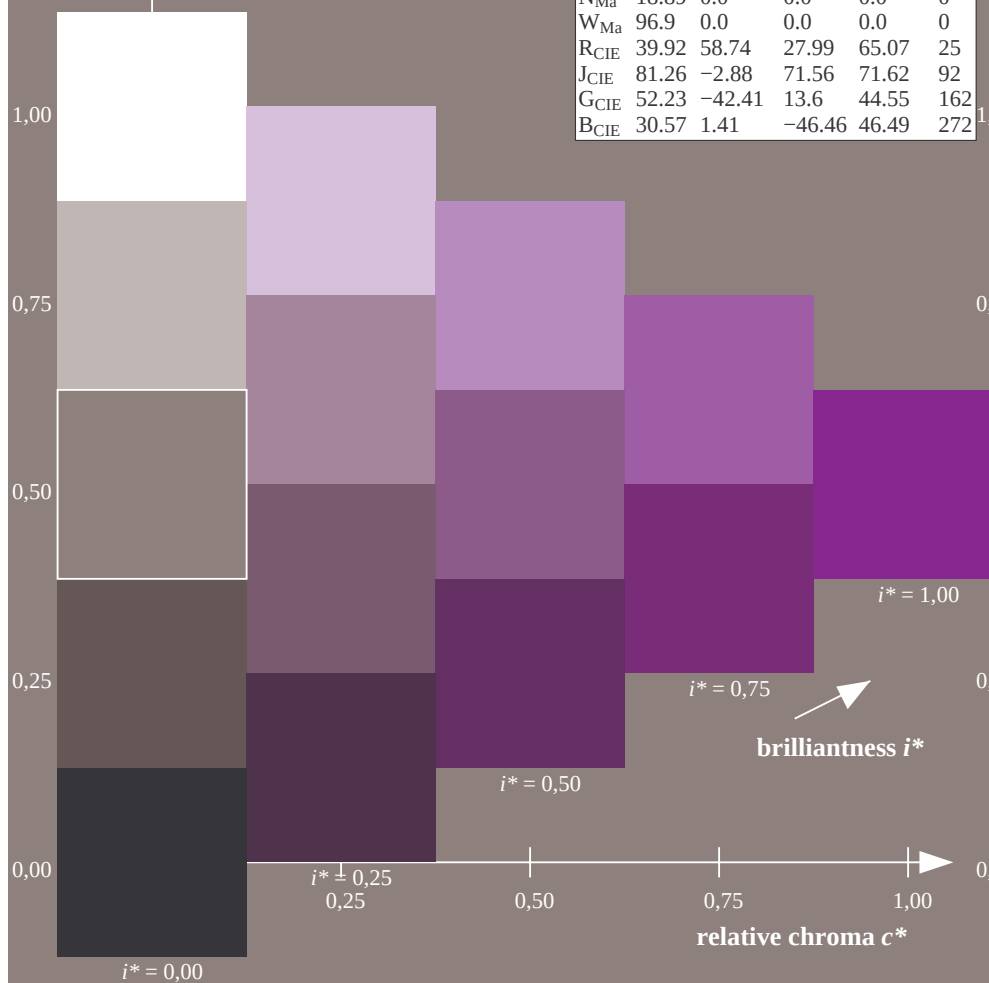
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

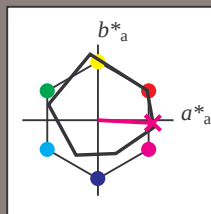
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 49 73 -3

$LAB^*LCH^*_{Ma}$ : 49 73 357

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.88

triangle lightness  $t^*$

%Gamut

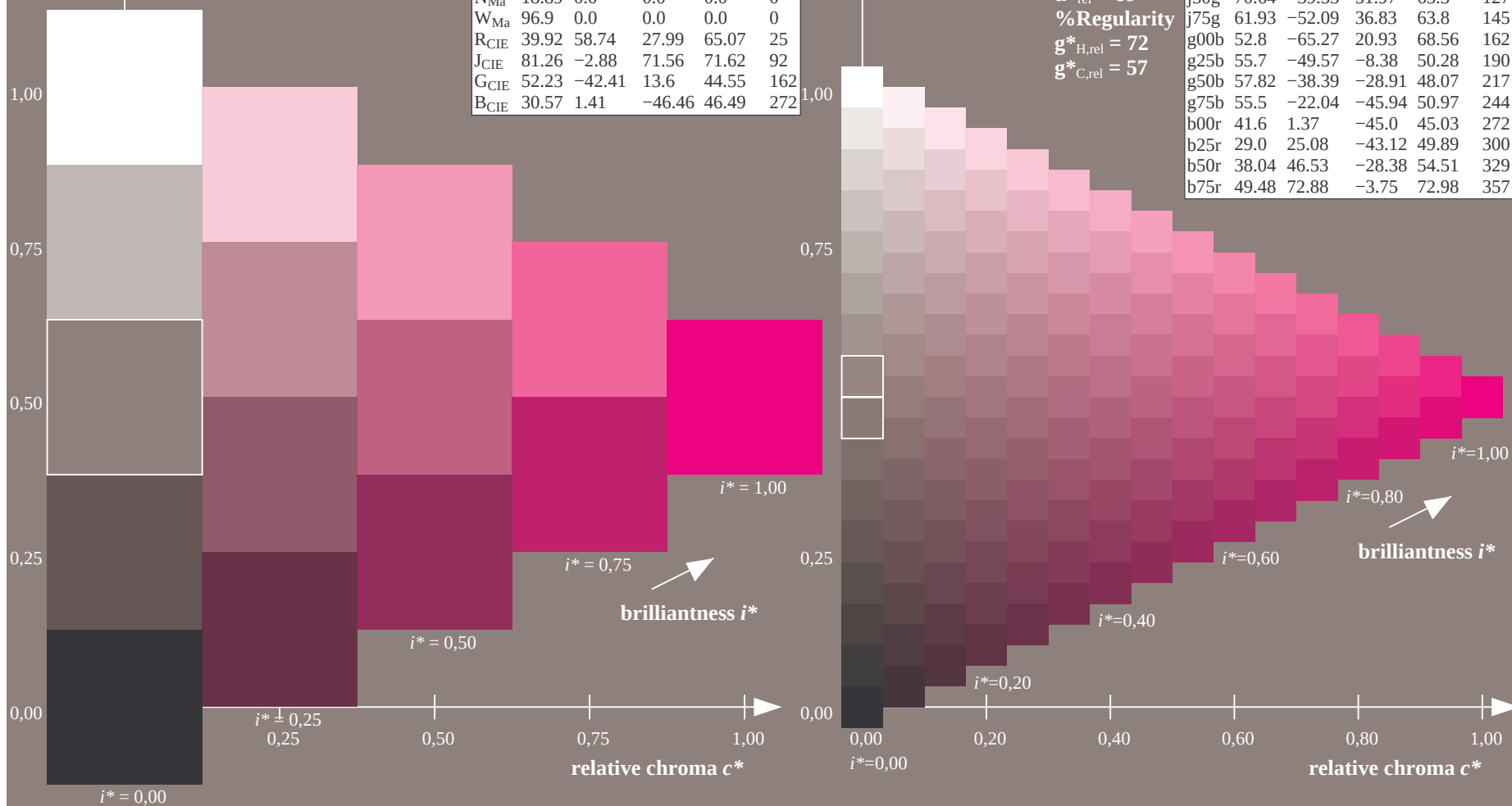
$u^*_{rel} = 89$

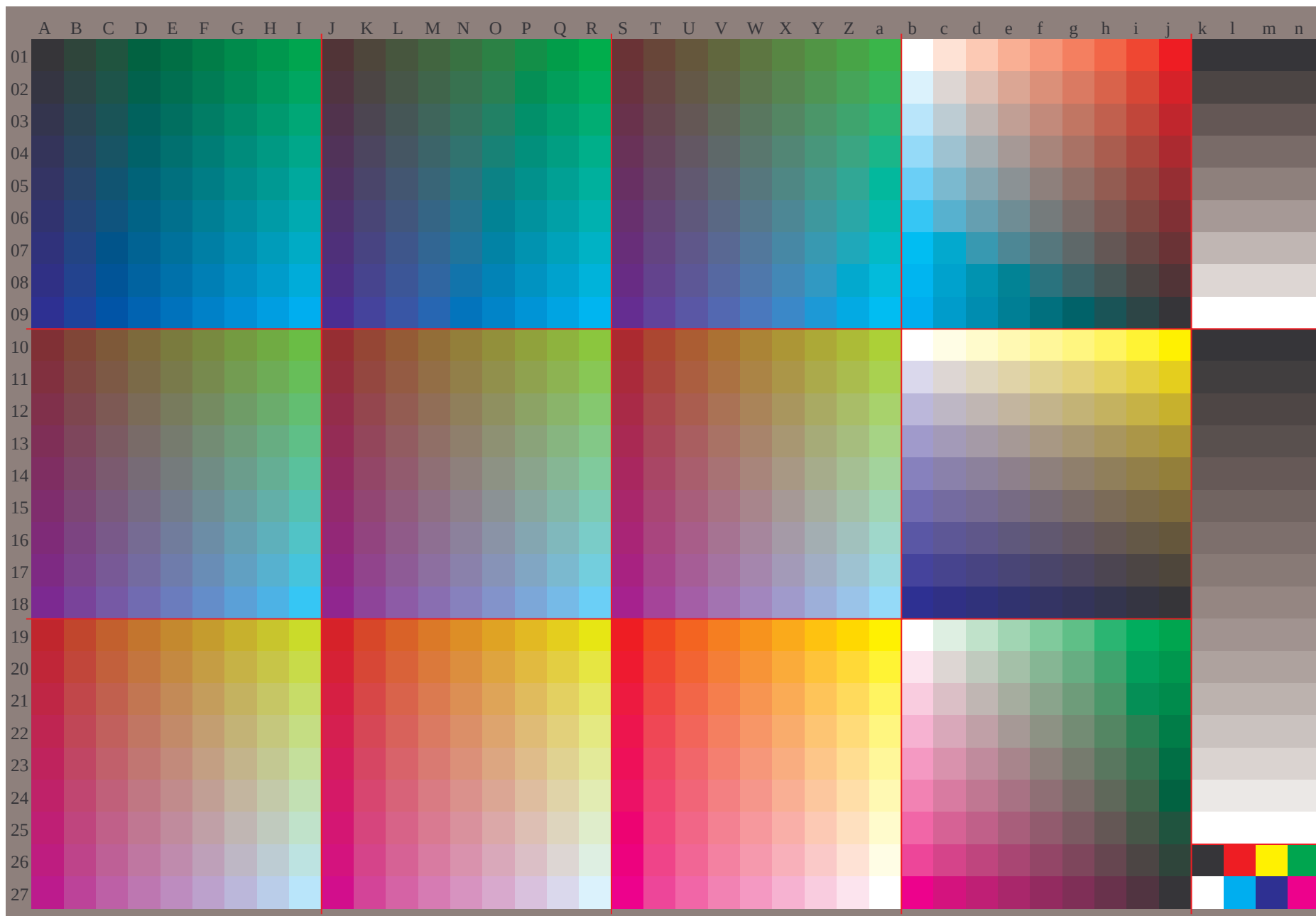
%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |

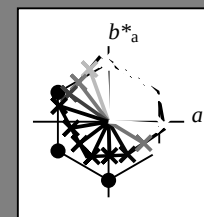




See for similar files: <http://www.ps.bam.de/De74/>; [www.ps.bam.de/De74/Version 2.1, io=1,1, ColSpx=0](http://www.ps.bam.de/De74/Version%202.1%2C%20ColSpx%3D0)  
Technical information: <http://www.ps.bam.de>

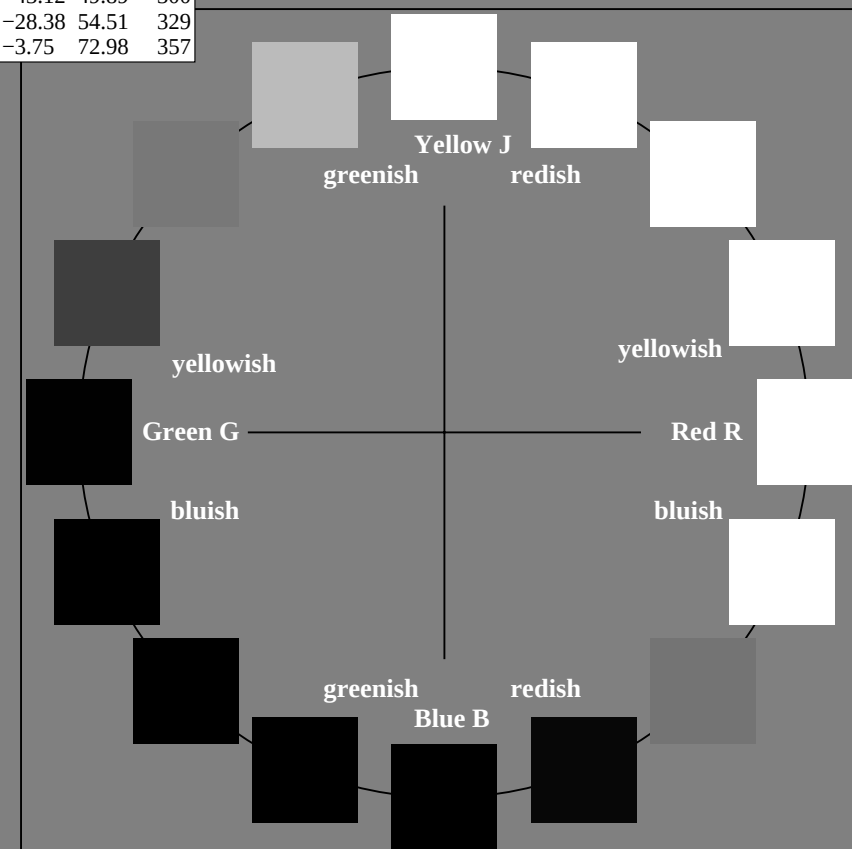
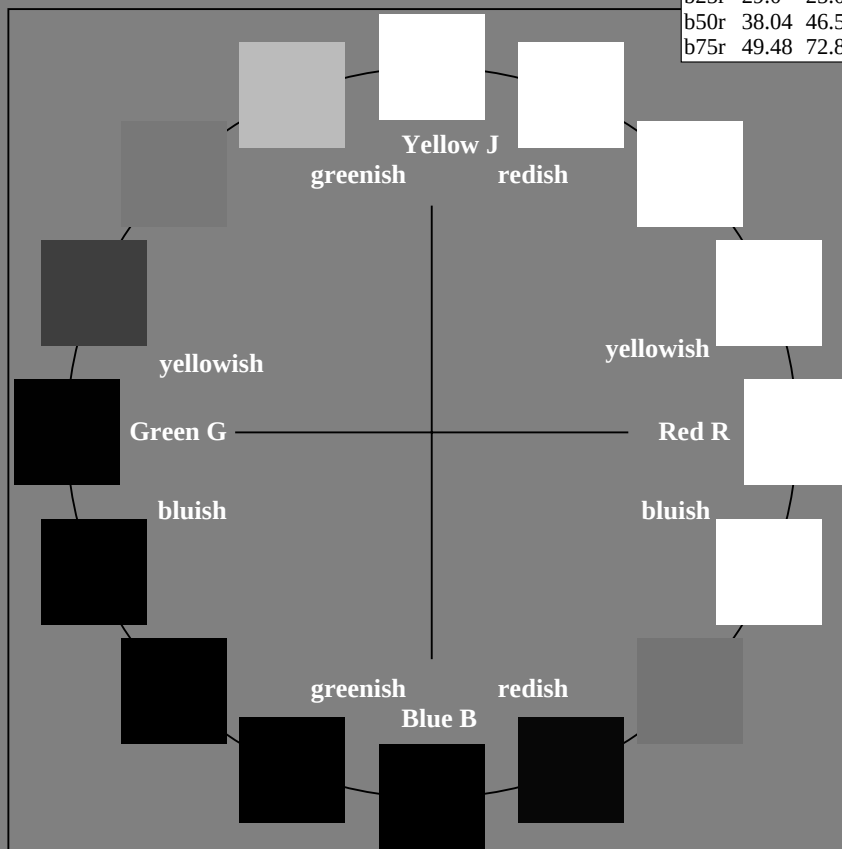
Input and output:  
Colorimetric Printer Reflective System ORS19\_96a  
data for any colour:  
*lab\**tch\** and lab\**icu\***  
elementary hue text:  
*u\** = 16 hues *r00j*, *r25j*, ..., *b75r*  
contrast reduction factor:  
 $c_R = 1.0$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



%Gamut  
 $u^*_{rel} = 89$   
%Regularity  
 $g^*_{H,rel} = 72$   
 $g^*_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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 ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

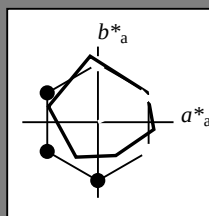
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 49 66 32

$LAB^*LCH^*_{Ma}$ : 49 74 25

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.16

triangle lightness  $t^*$

%Gamut

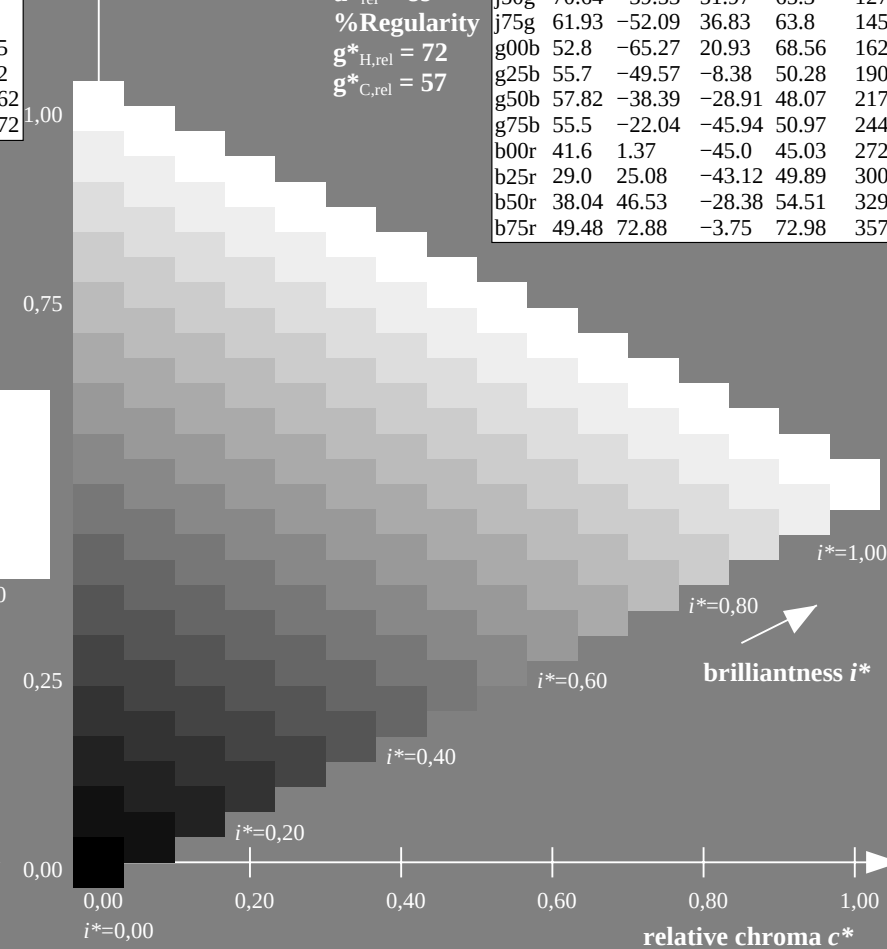
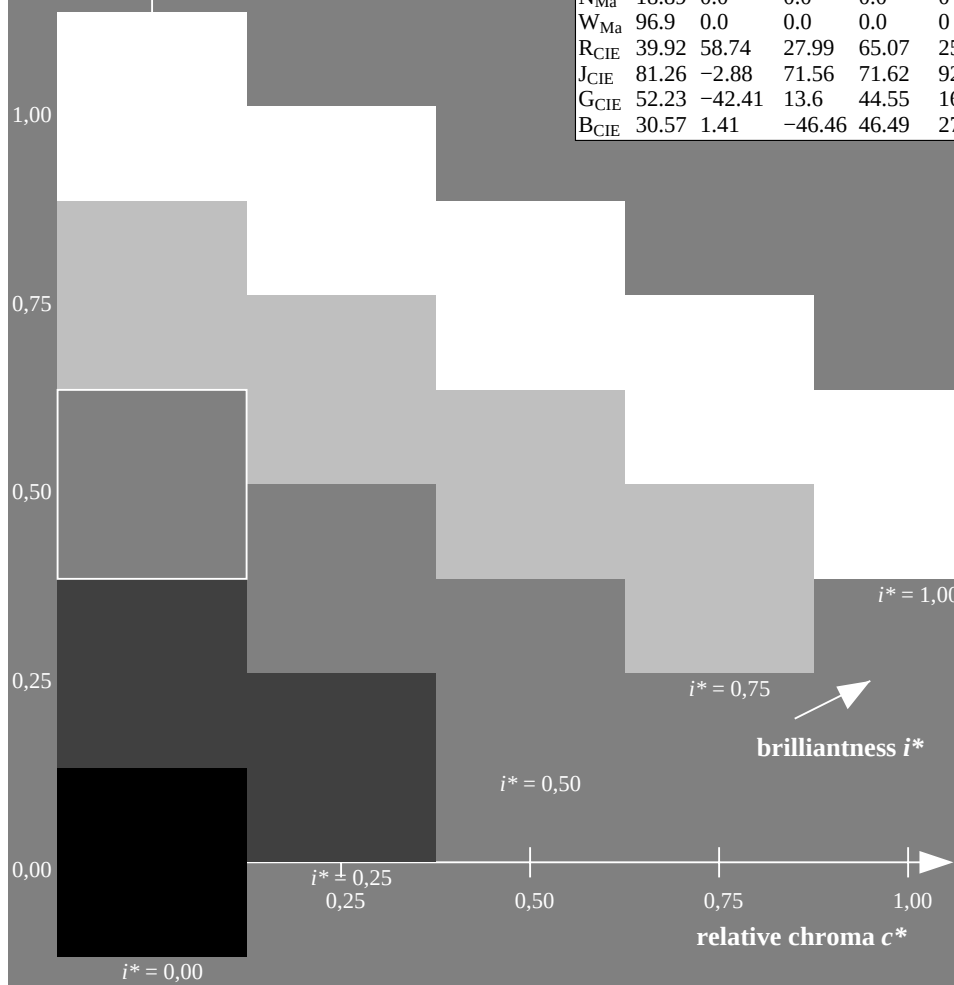
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

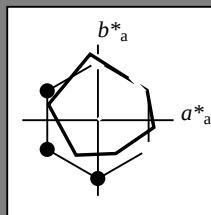
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 56 52 47

$LAB^*LCH^*_{Ma}$ : 56 71 42

$lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.17 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

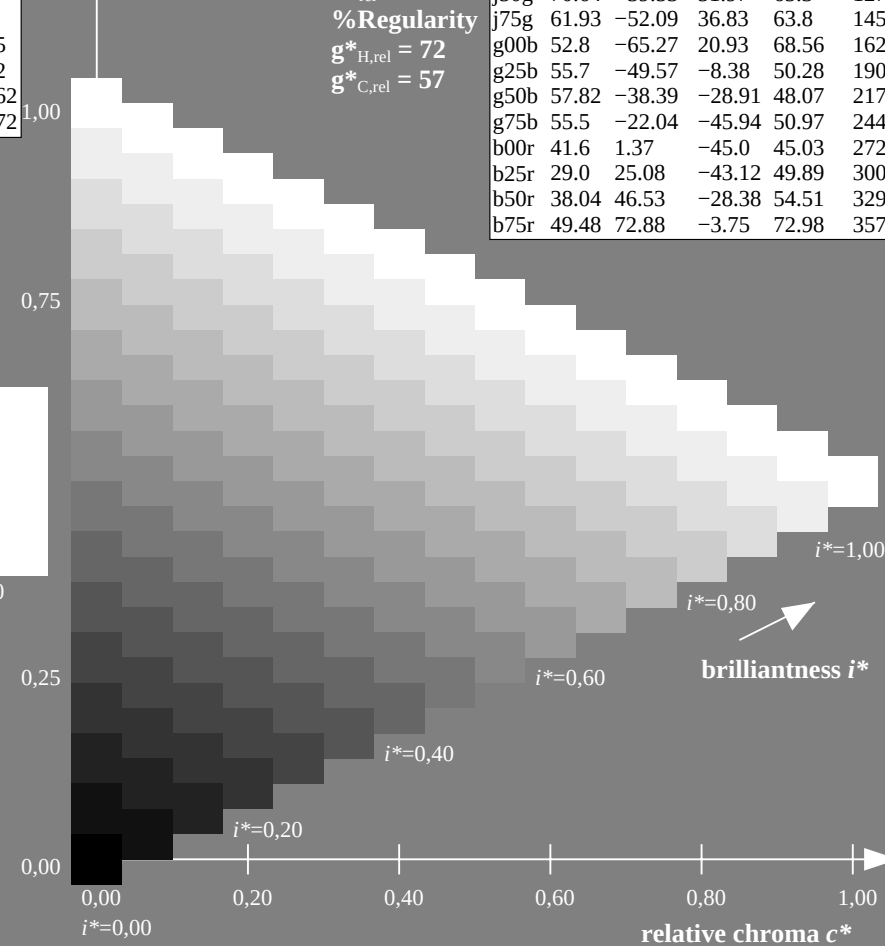
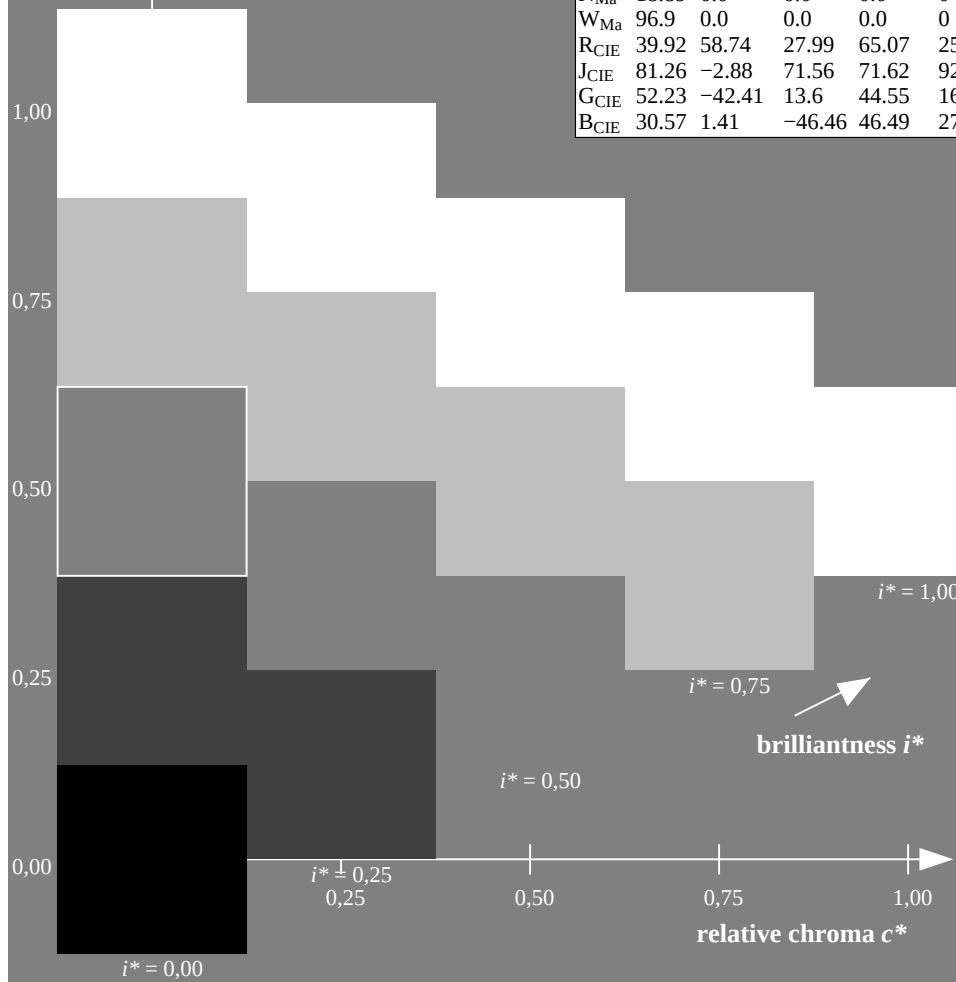
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

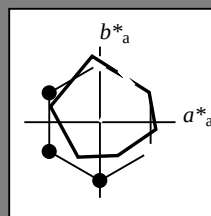
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 65 35 58

$LAB^*LCH^*_{Ma}$ : 65 68 59

$lab^*rgb^*_{Ma}$ : 1.0 0.5 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.4 0.0

triangle lightness  $t^*$

%Gamut

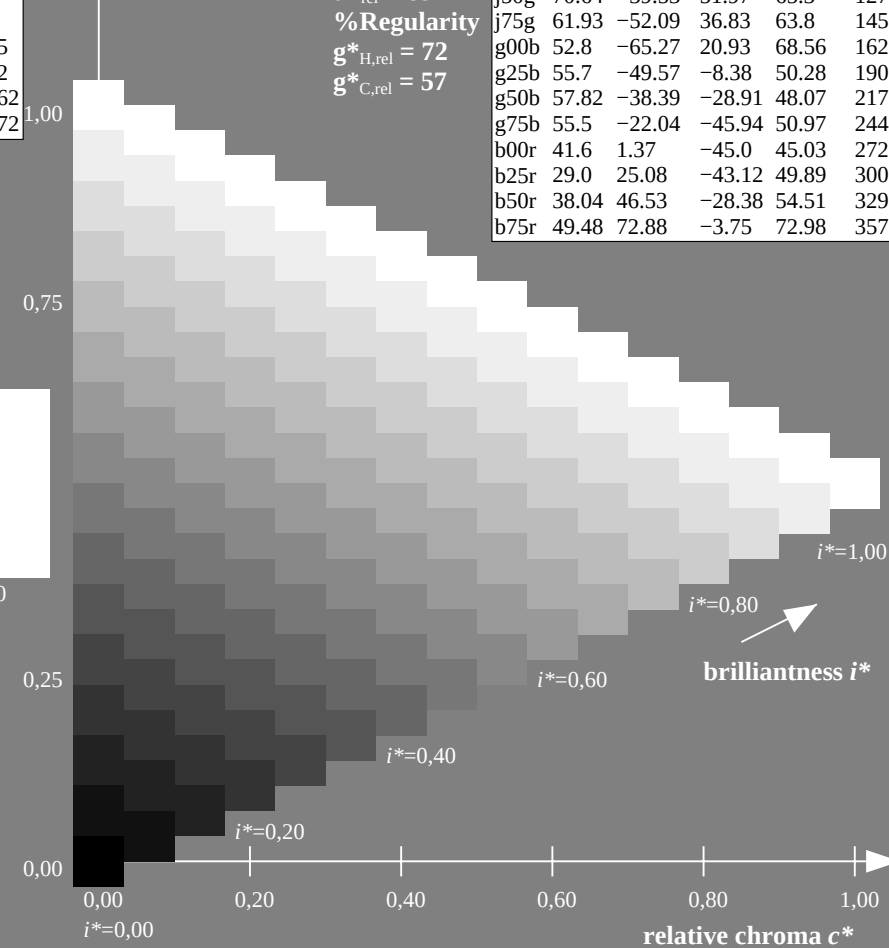
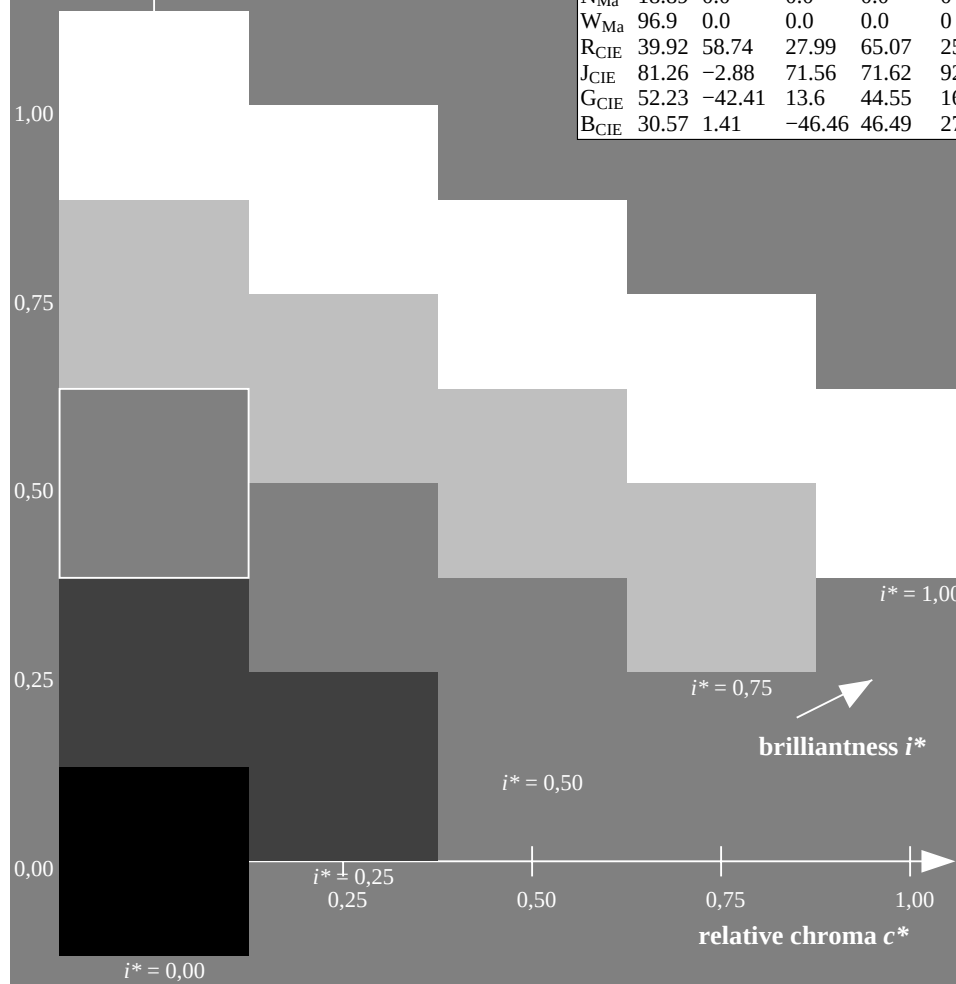
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

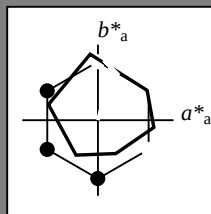
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 75 18 69

$LAB^*LCH^*_{Ma}$ : 75 72 76

$lab^*rgb^*_{Ma}$ : 1.0 0.75 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.63 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

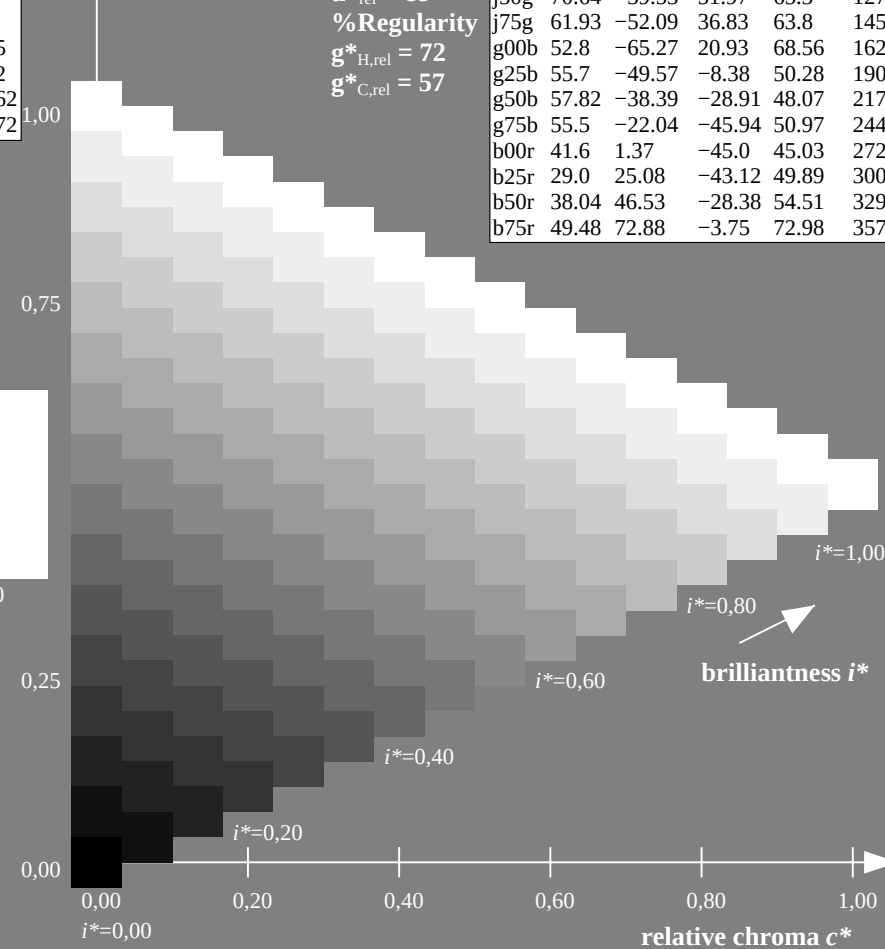
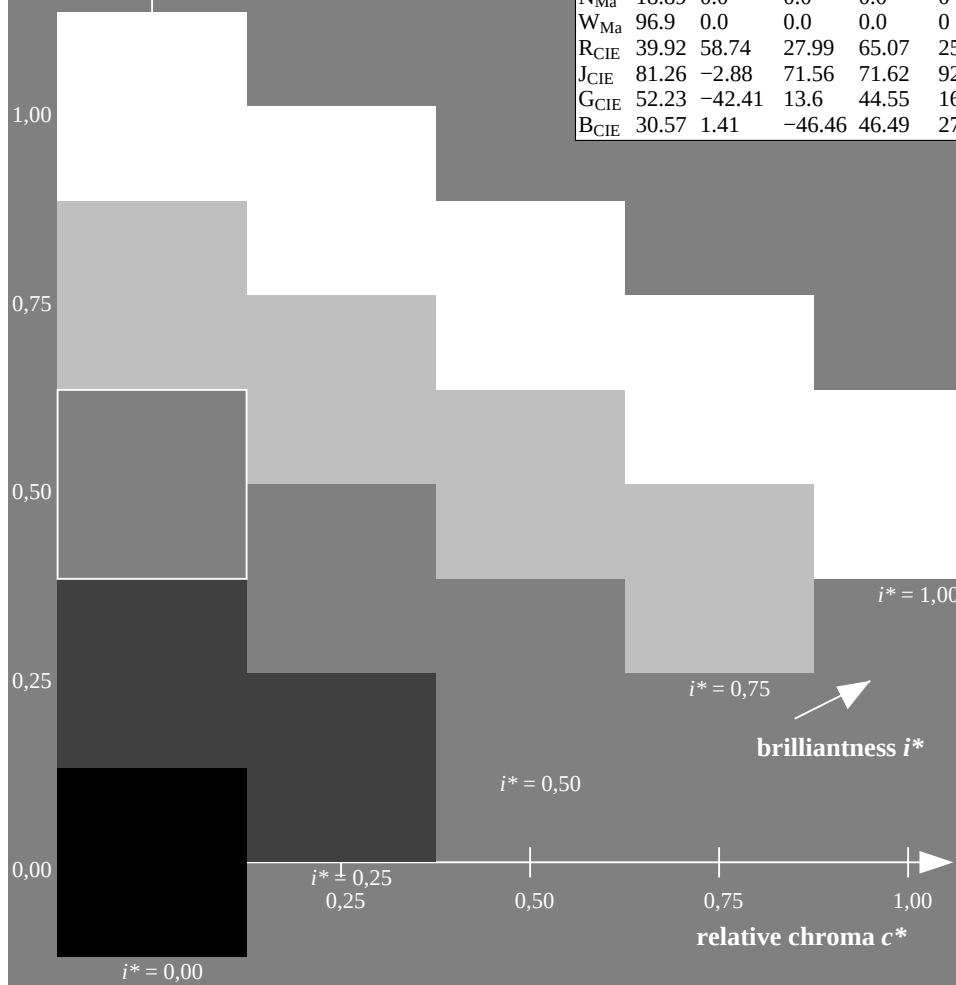
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

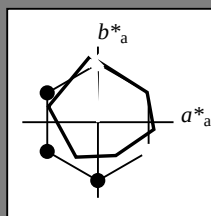
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 87 -2 83

$LAB^*LCH^*_{Ma}$ : 87 83 92

$lab^*rgb^*_{Ma}$ : 1.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.91 0.0

triangle lightness  $t^*$

%Gamut

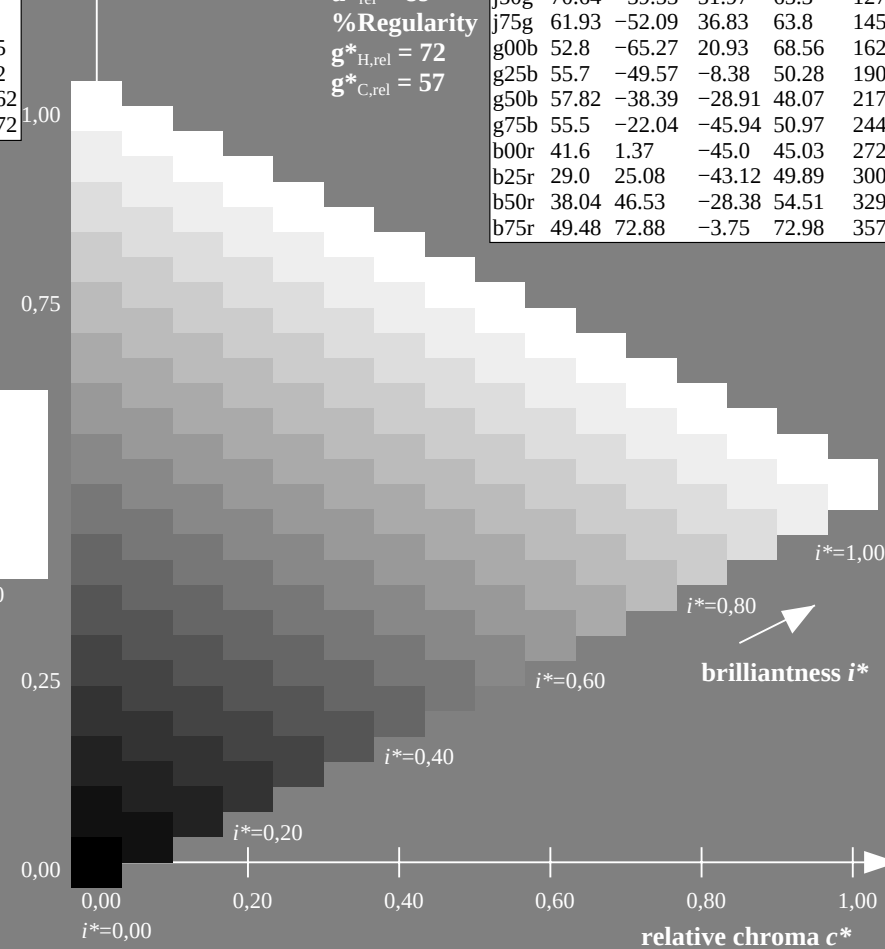
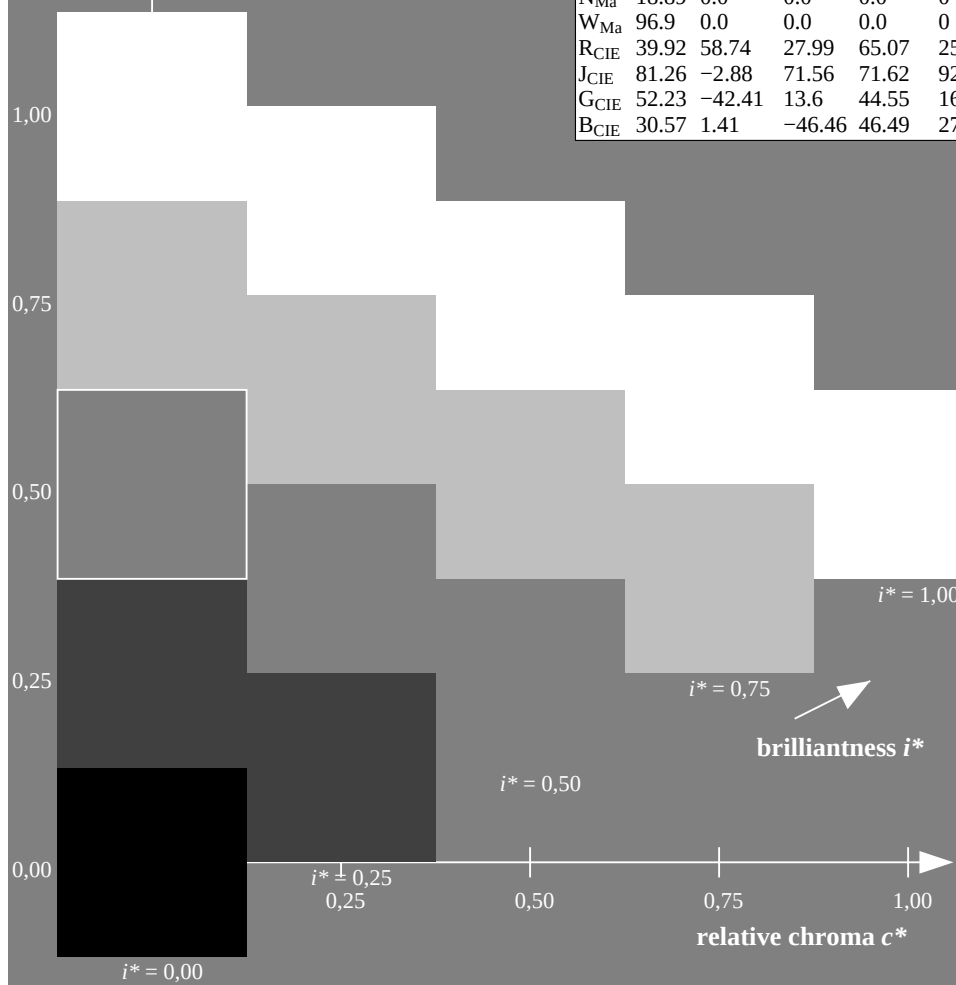
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

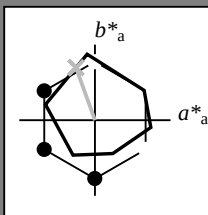
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 81 -24 69

$LAB^*LCH^*_{Ma}$ : 81 74 110

$lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.73 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

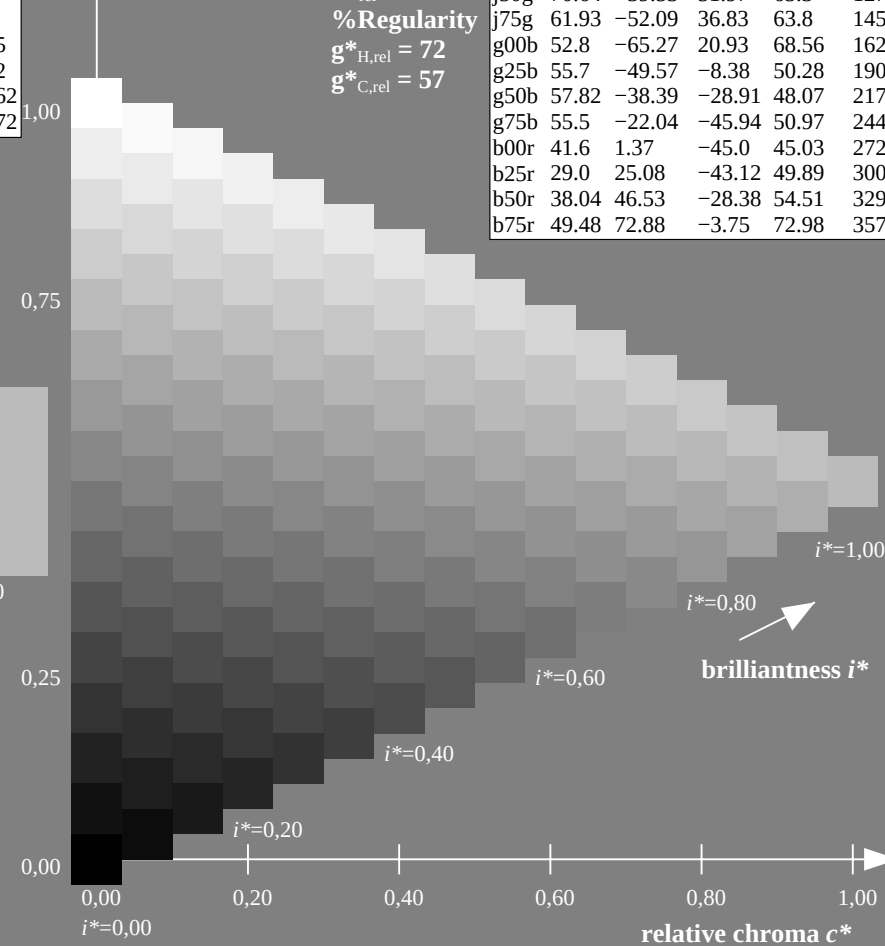
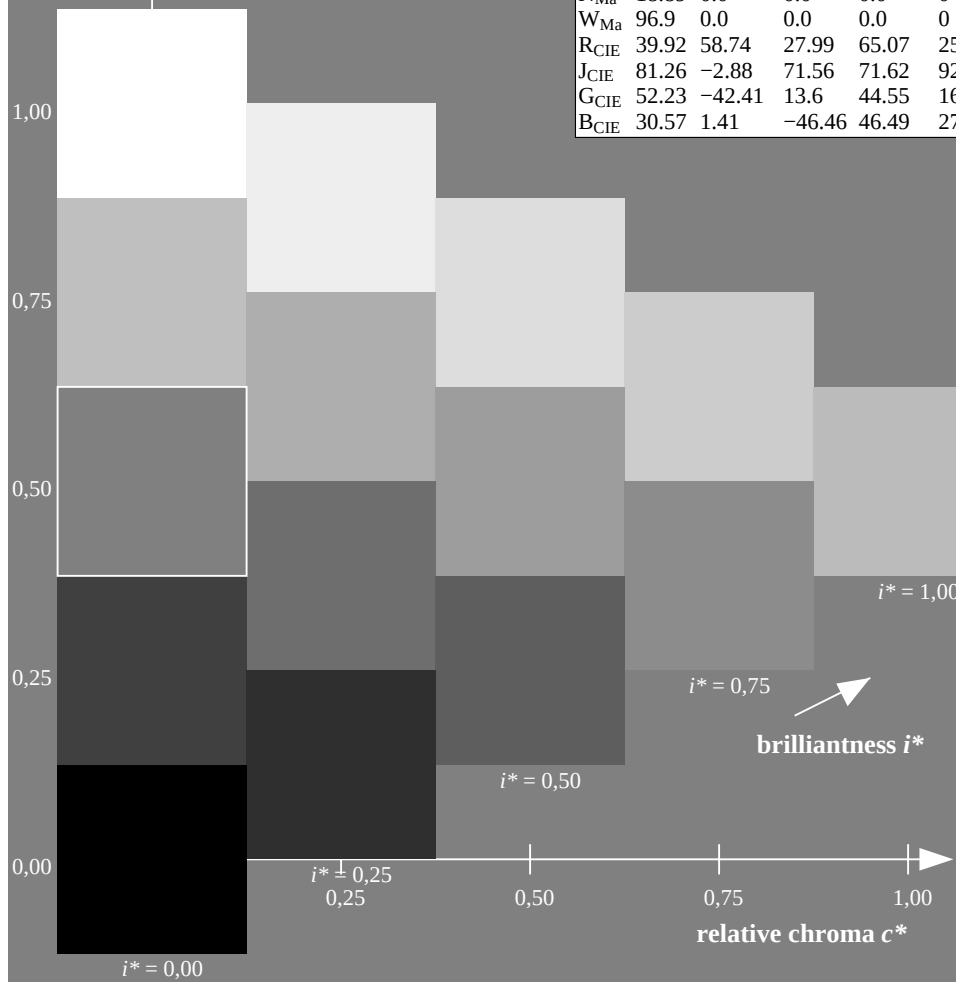
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

$lab^*ch^*$  and  $lab^*icu^*$

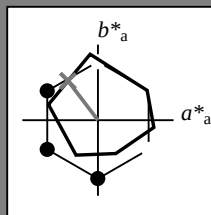
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 71 -39 52

$LAB^*LCH^*_{Ma}$ : 71 65 127

$lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.47 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

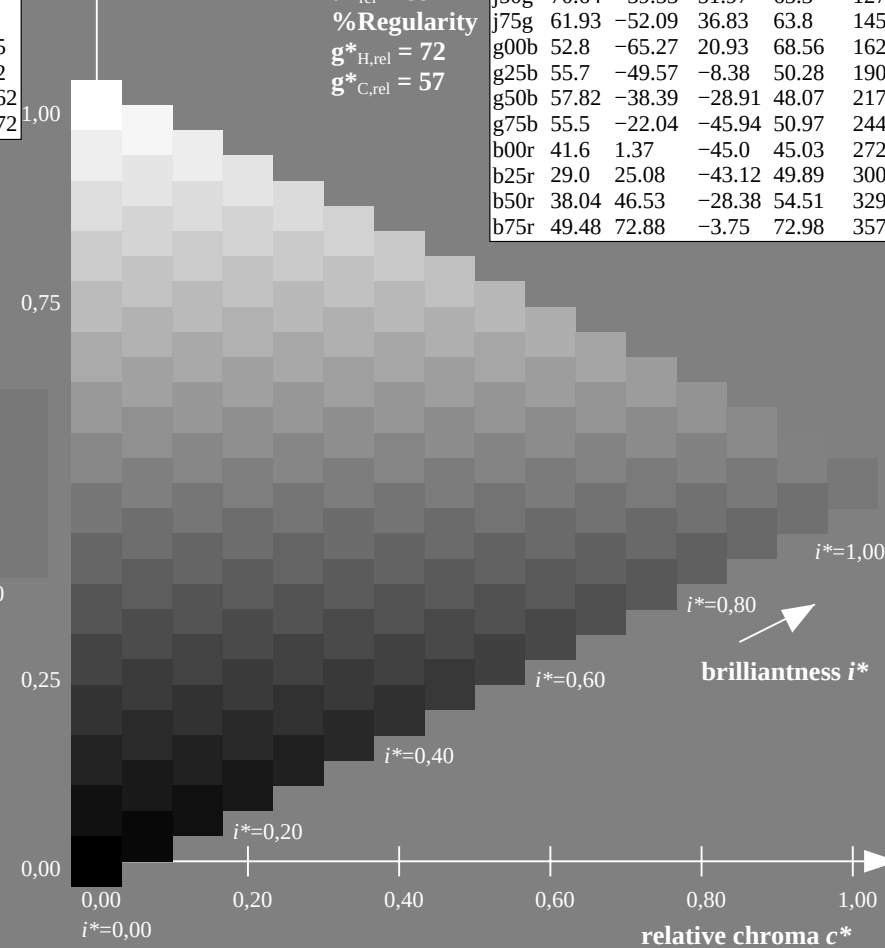
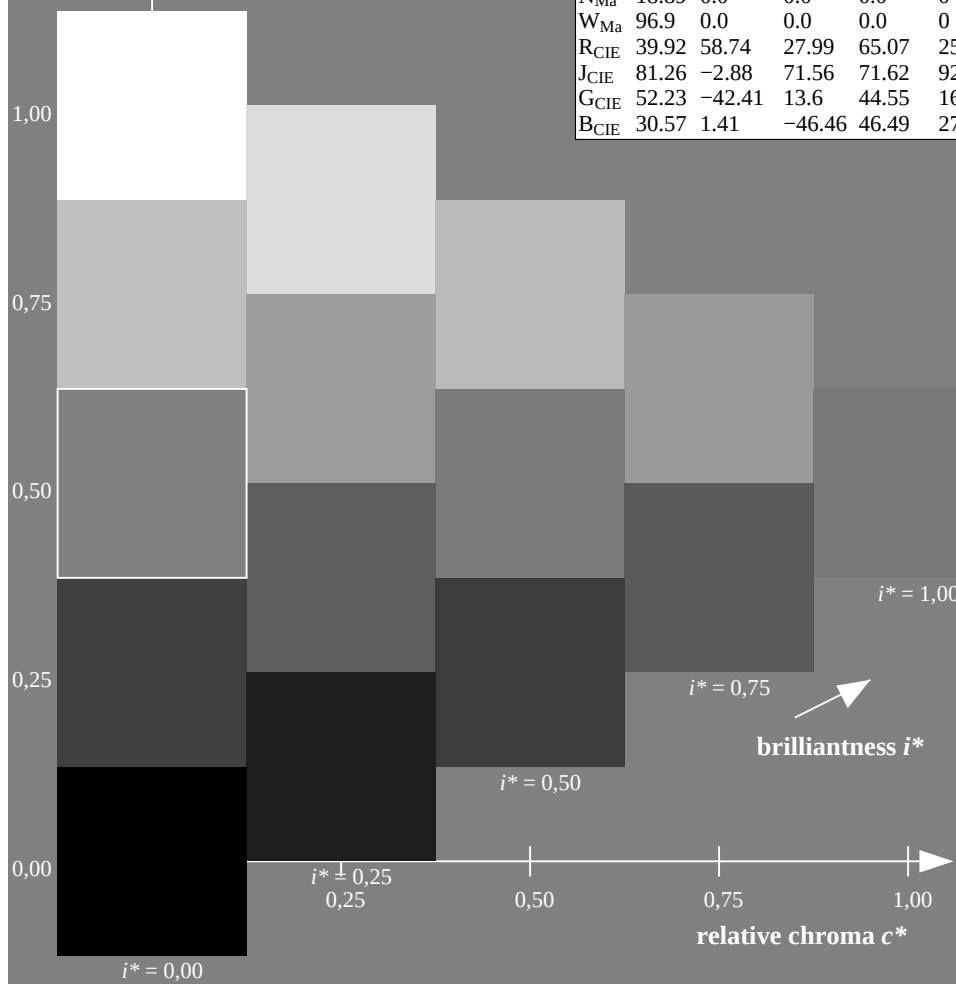
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

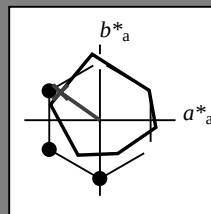
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 62 -51 37

$LAB^*LCH^*_{Ma}$ : 62 64 145

$lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.24 1.0 0.0

triangle lightness  $t^*$

%Gamut

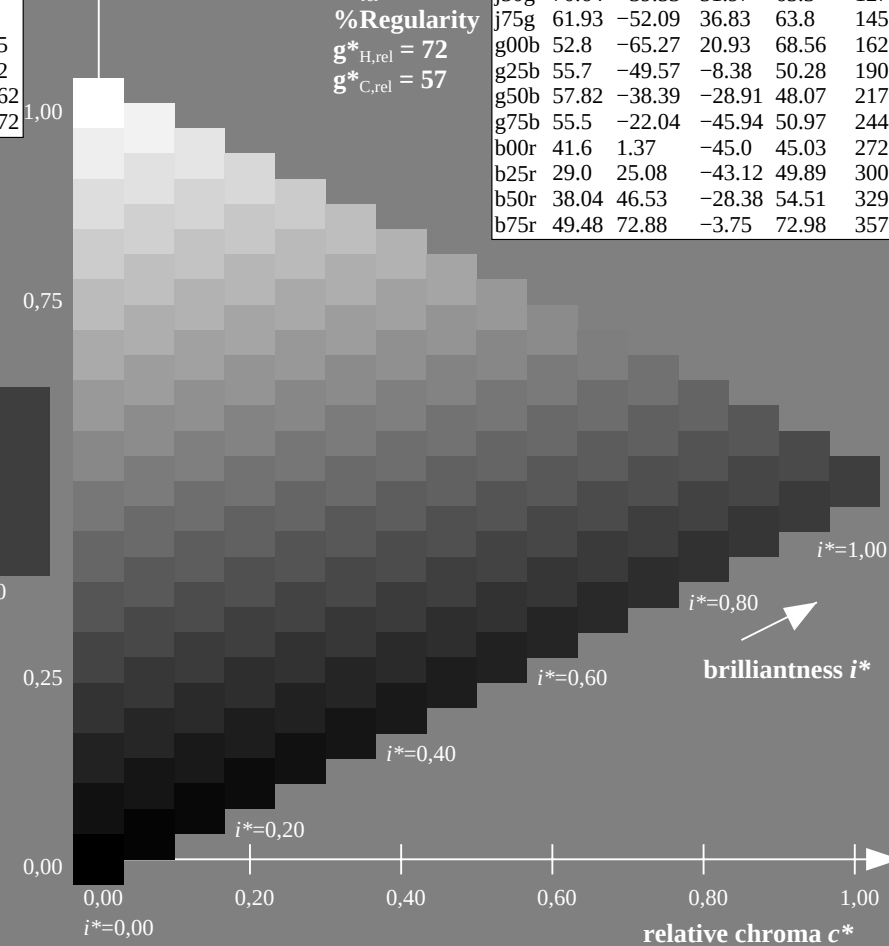
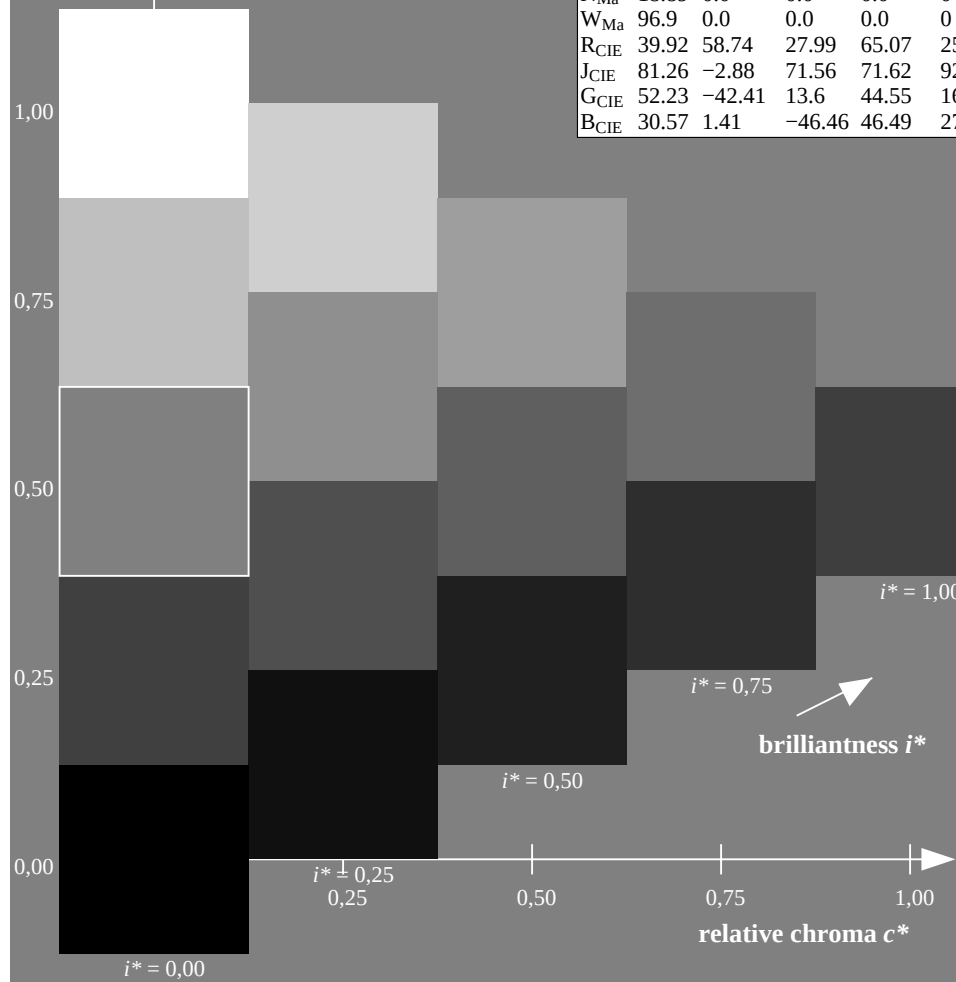
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

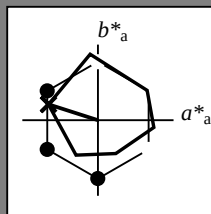
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 53 -64 21

$LAB^*LCH^*_{Ma}$ : 53 69 162

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.0

triangle lightness  $t^*$

%Gamut

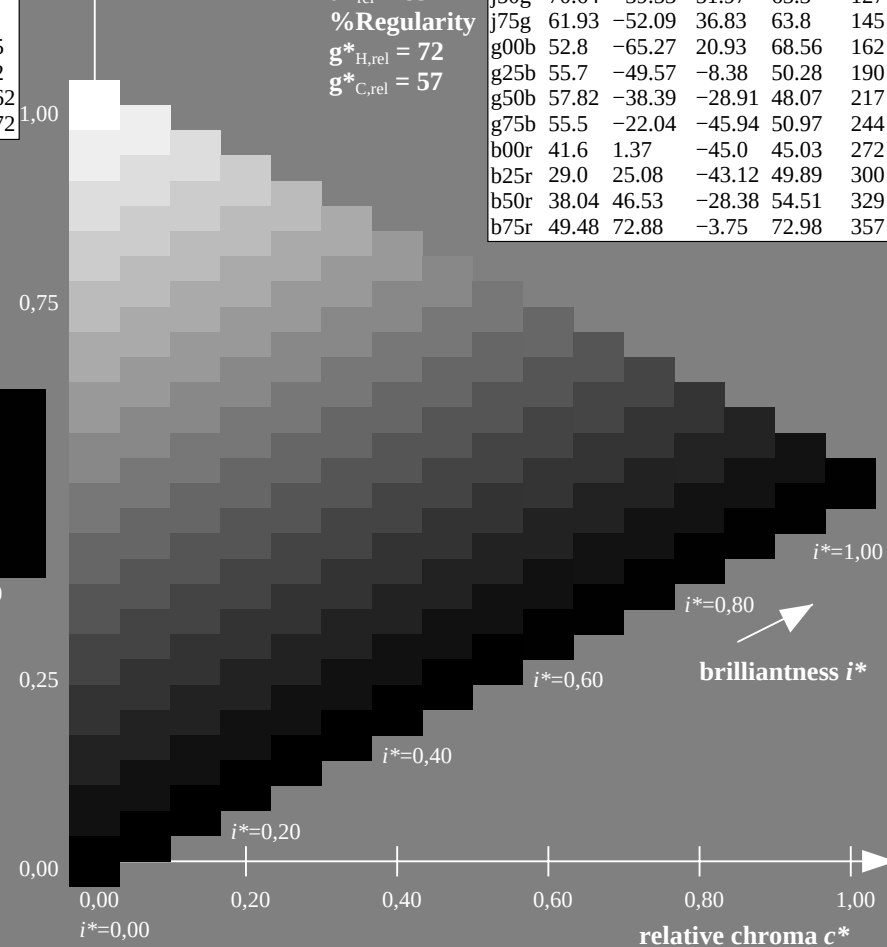
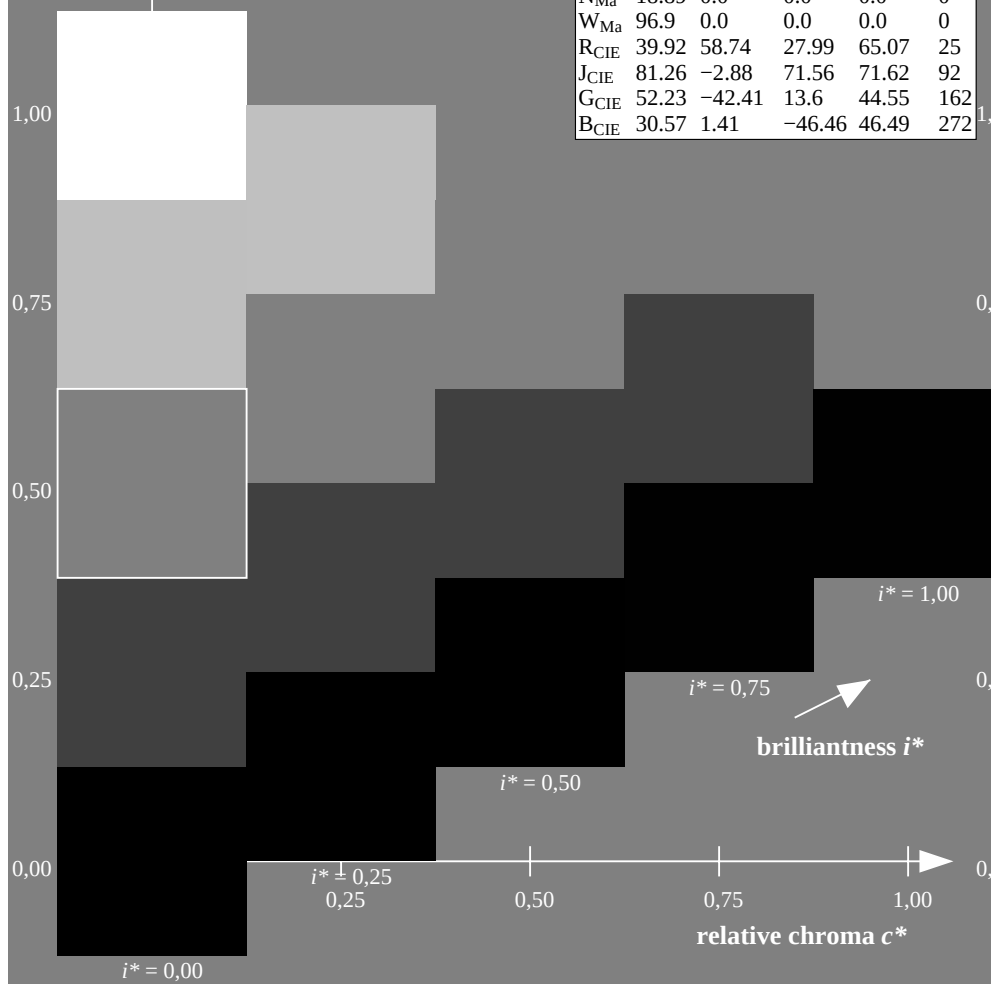
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

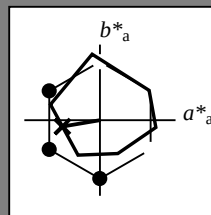
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 56 -49 -7

$LAB^*LCH^*_{Ma}$ : 56 50 190

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.5

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.44

triangle lightness  $t^*$

%Gamut

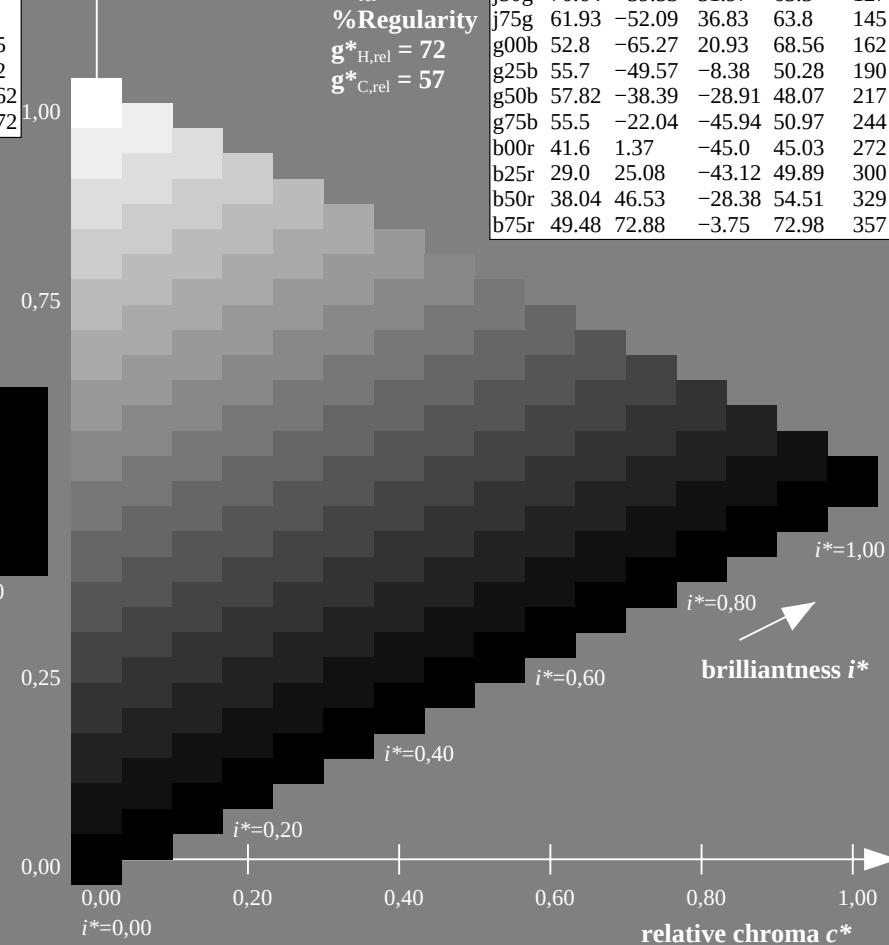
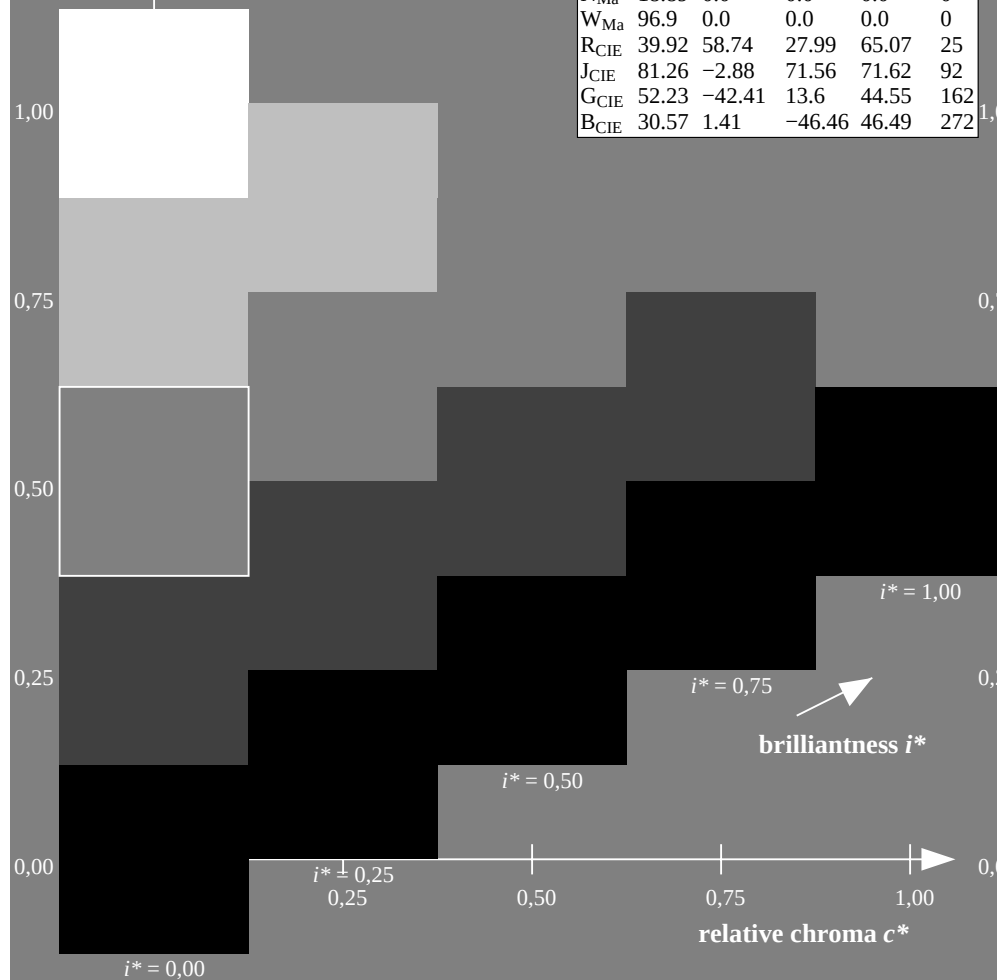
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

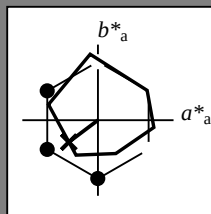
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 58 -37 -28

$LAB^*LCH^*_{Ma}$ : 58 48 217

$lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.74

triangle lightness  $t^*$

%Gamut

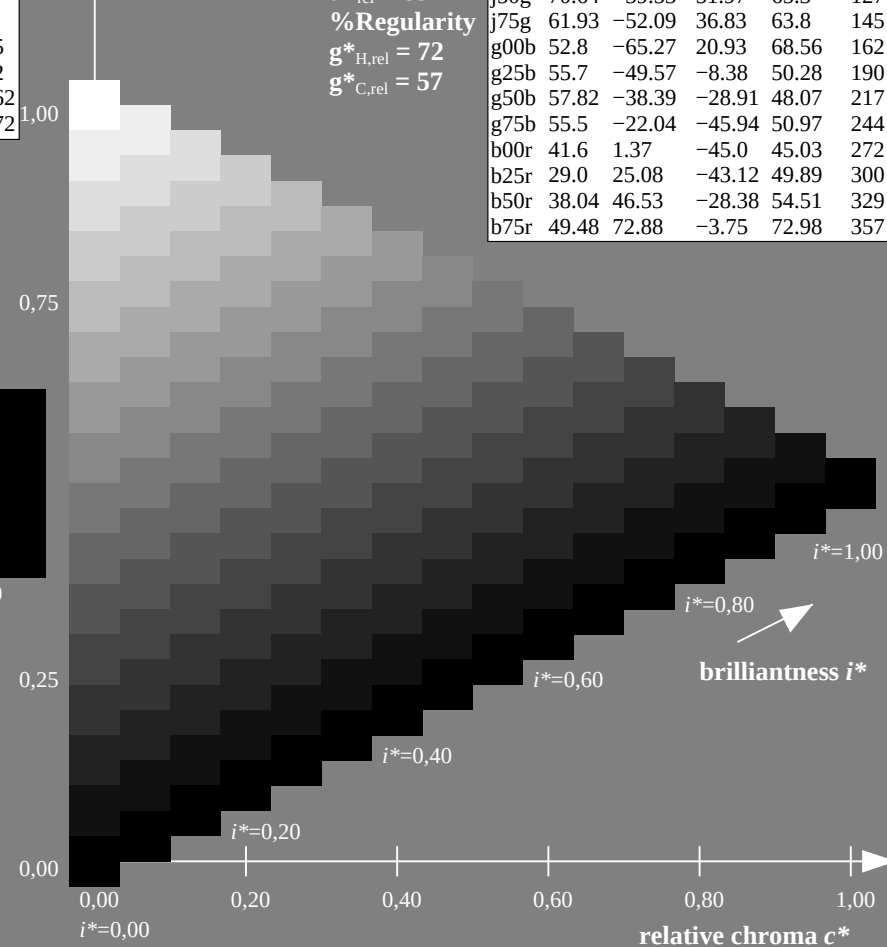
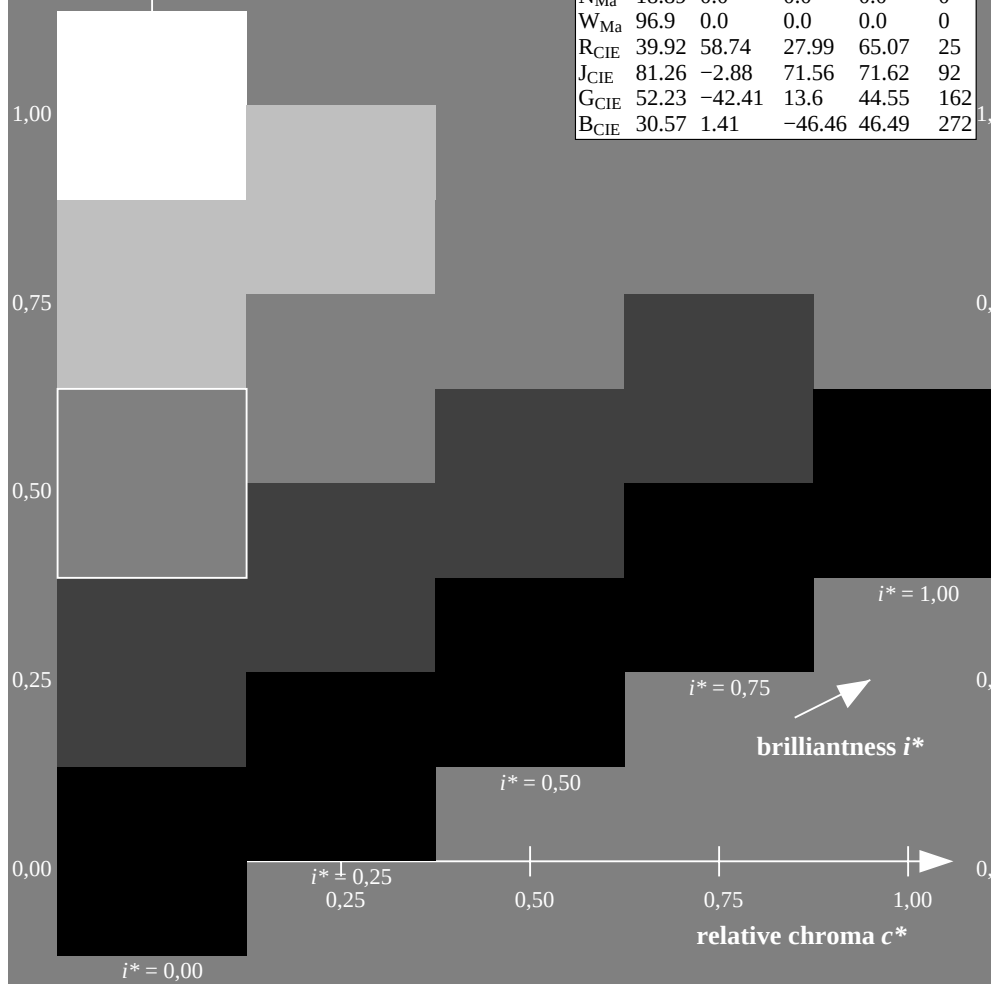
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

$lab^*ch^*$  and  $lab^*icu^*$

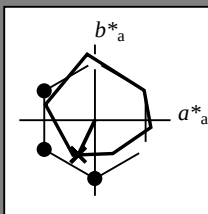
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 55 -21 -45

$LAB^*LCH^*_{Ma}$ : 55 51 244

$lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.87 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

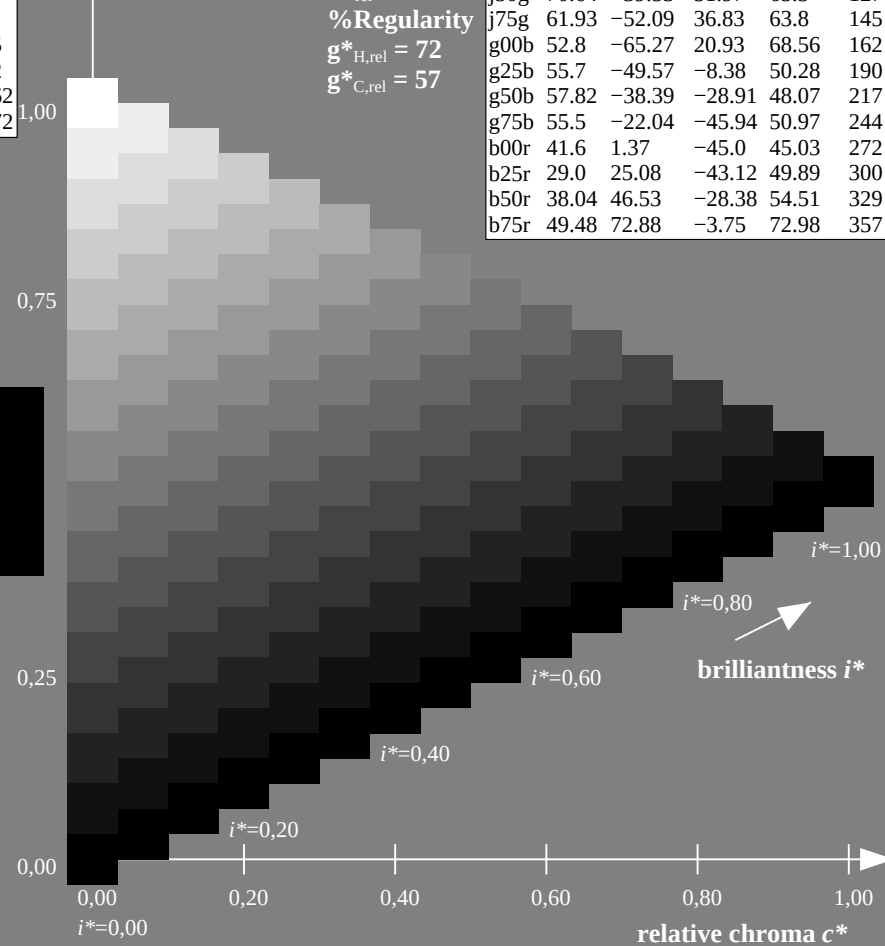
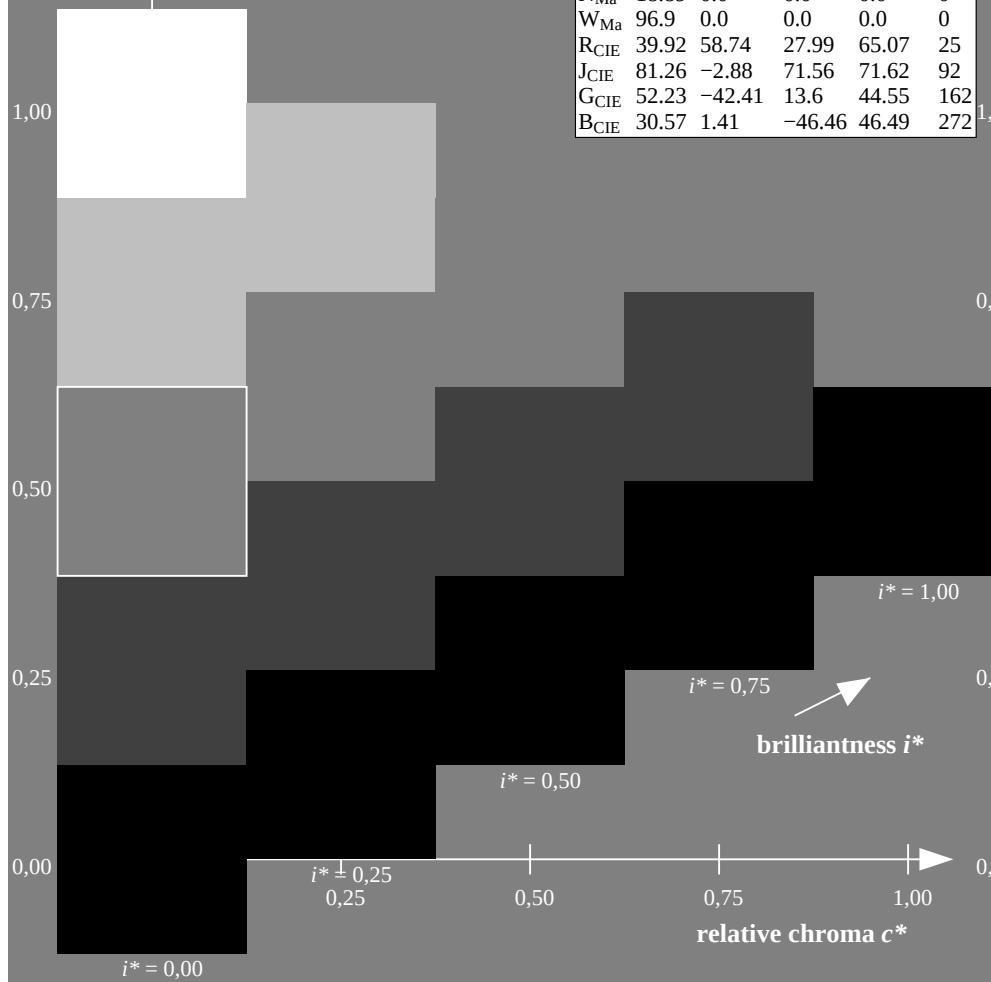
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

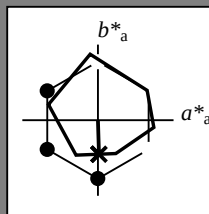
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 42 1 -44

$LAB^*LCH^*_{Ma}$ : 42 45 272

$lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.42 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

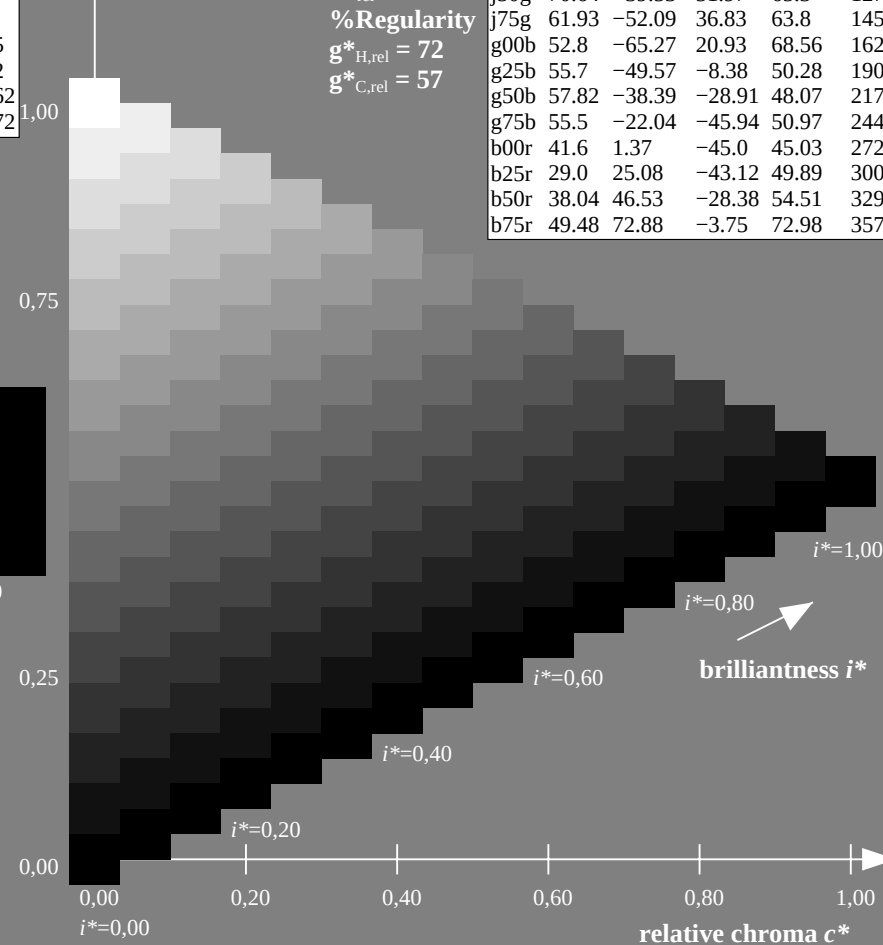
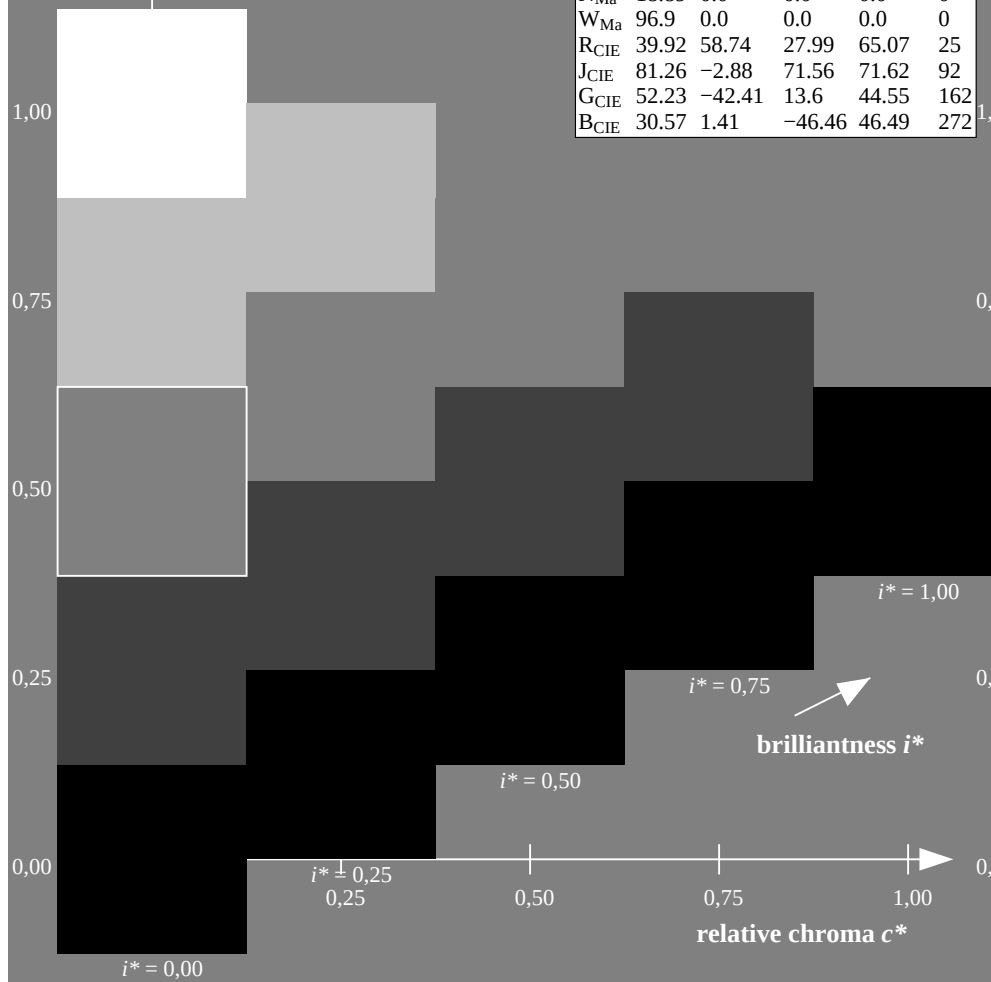
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

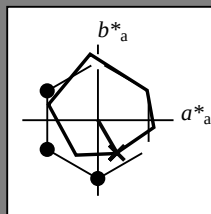
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 29 25 -42

$LAB^*LCH^*_{Ma}$ : 29 50 300

$lab^*rgb^*_{Ma}$ : 0.5 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.03 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

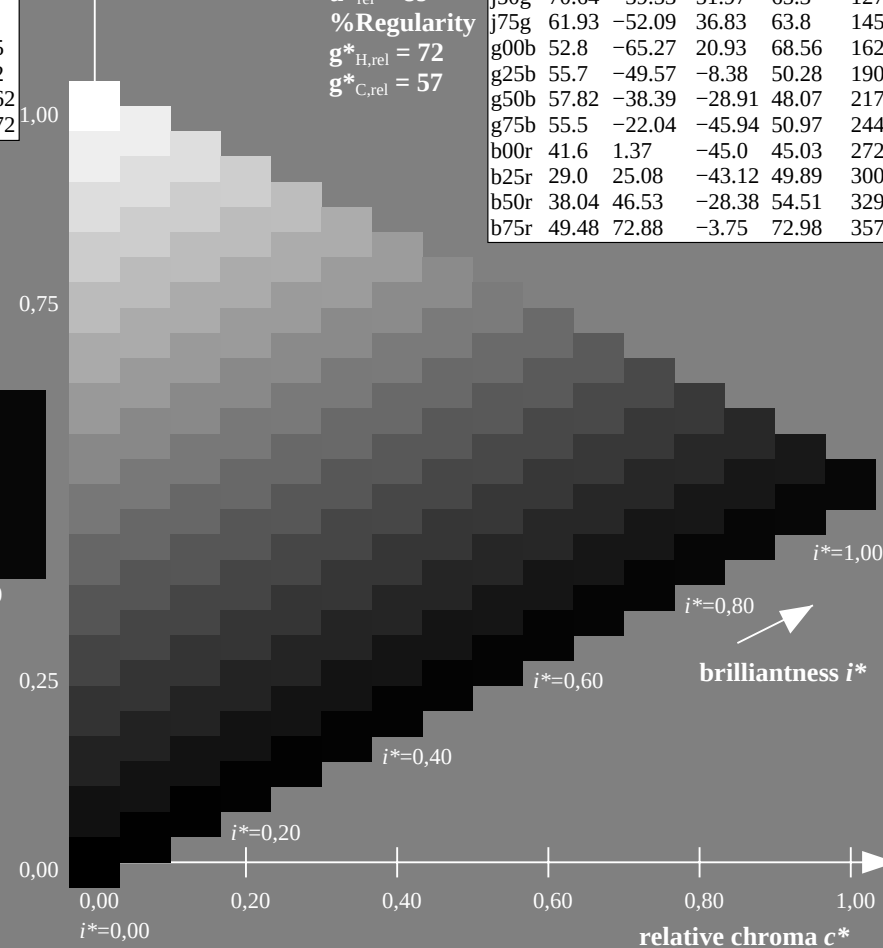
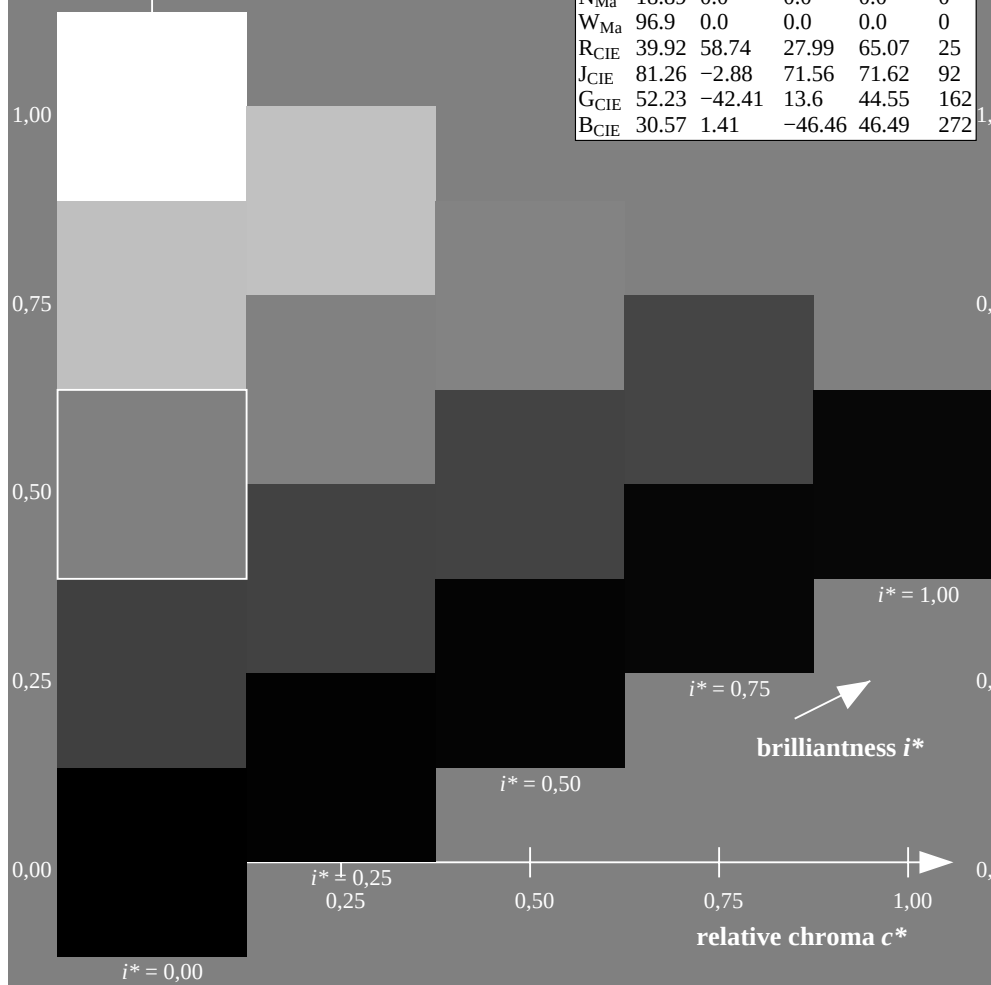
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

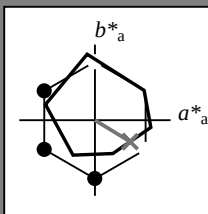
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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 47 -27

$LAB^*LCH^*_{Ma}$ : 38 55 329

$lab^*rgb^*_{Ma}$ : 1.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.46 0.0 1.0

triangle lightness  $t^*$

%Gamut

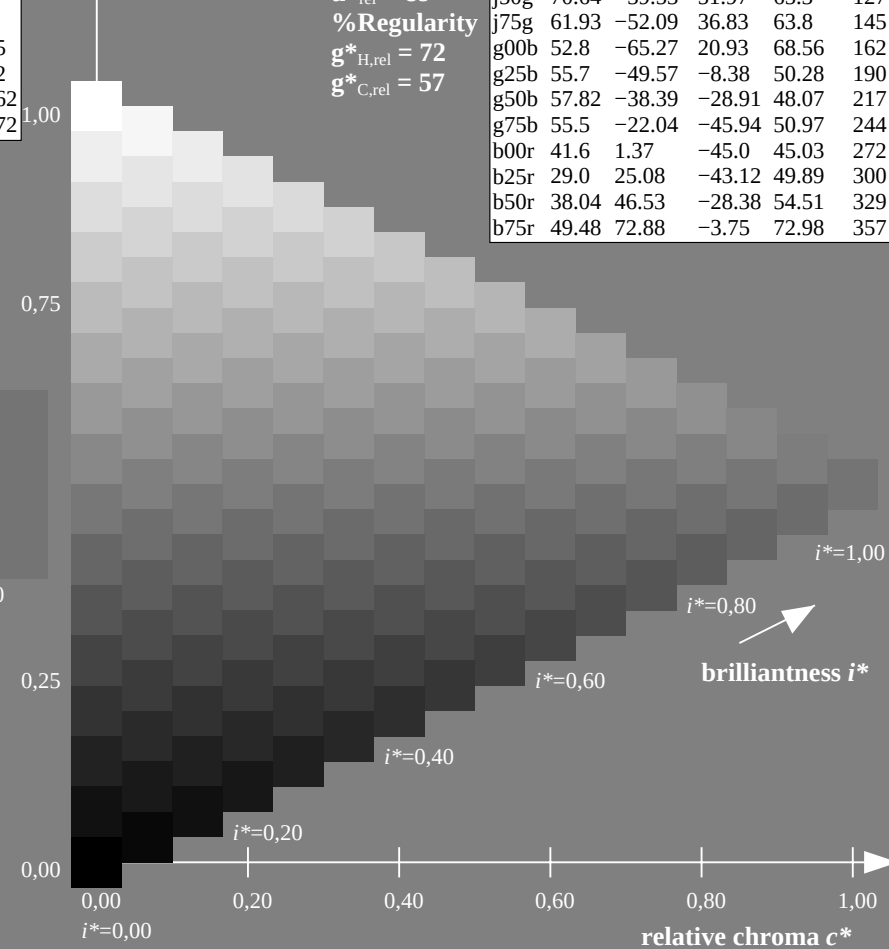
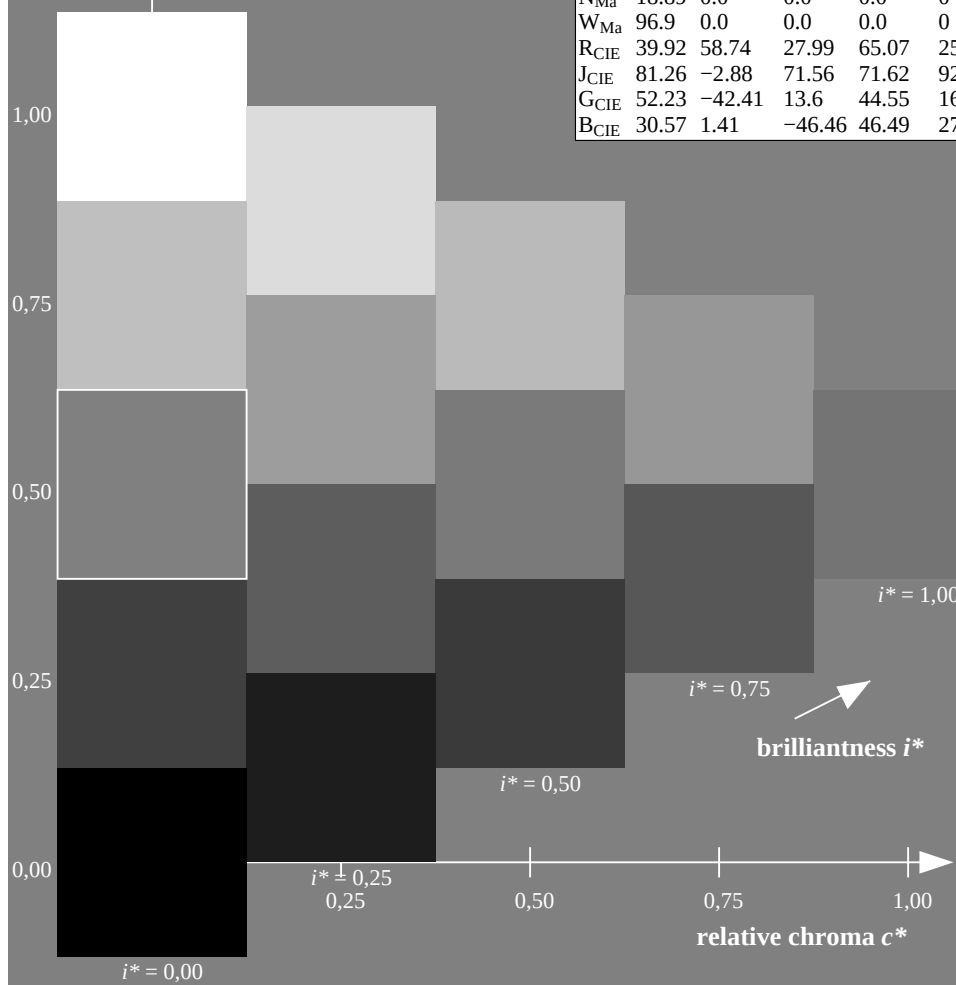
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

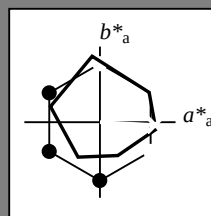
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 49 73 -3

$LAB^*LCH^*_{Ma}$ : 49 73 357

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.88

triangle lightness  $t^*$

%Gamut

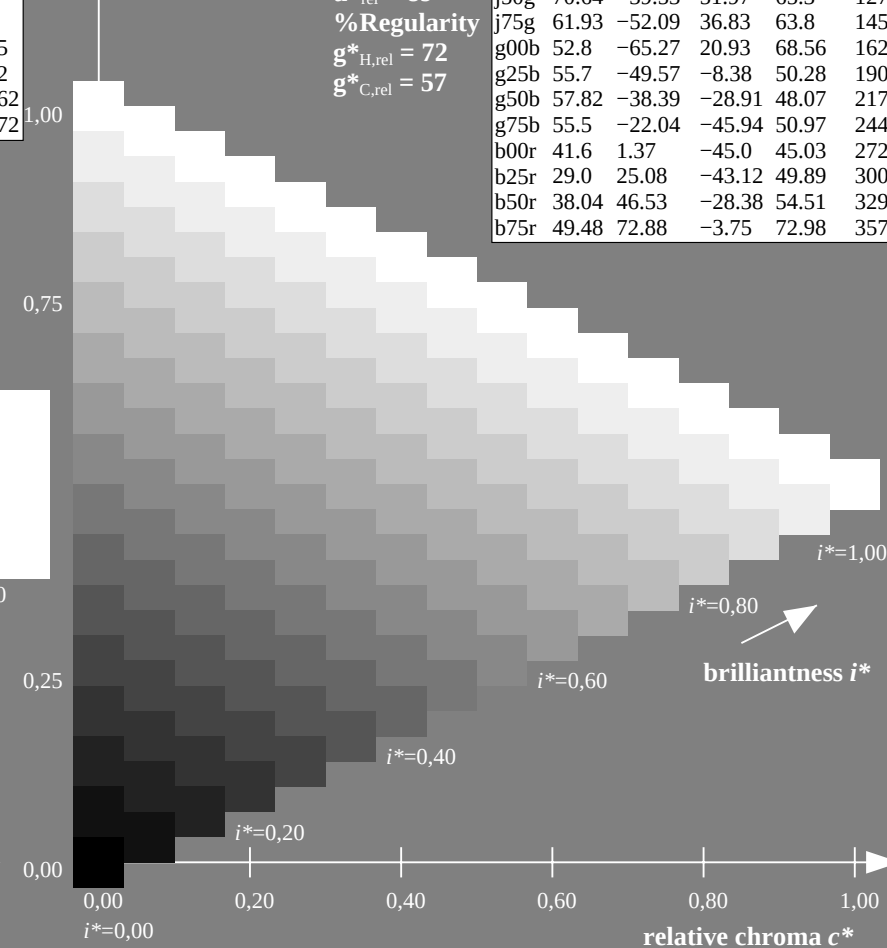
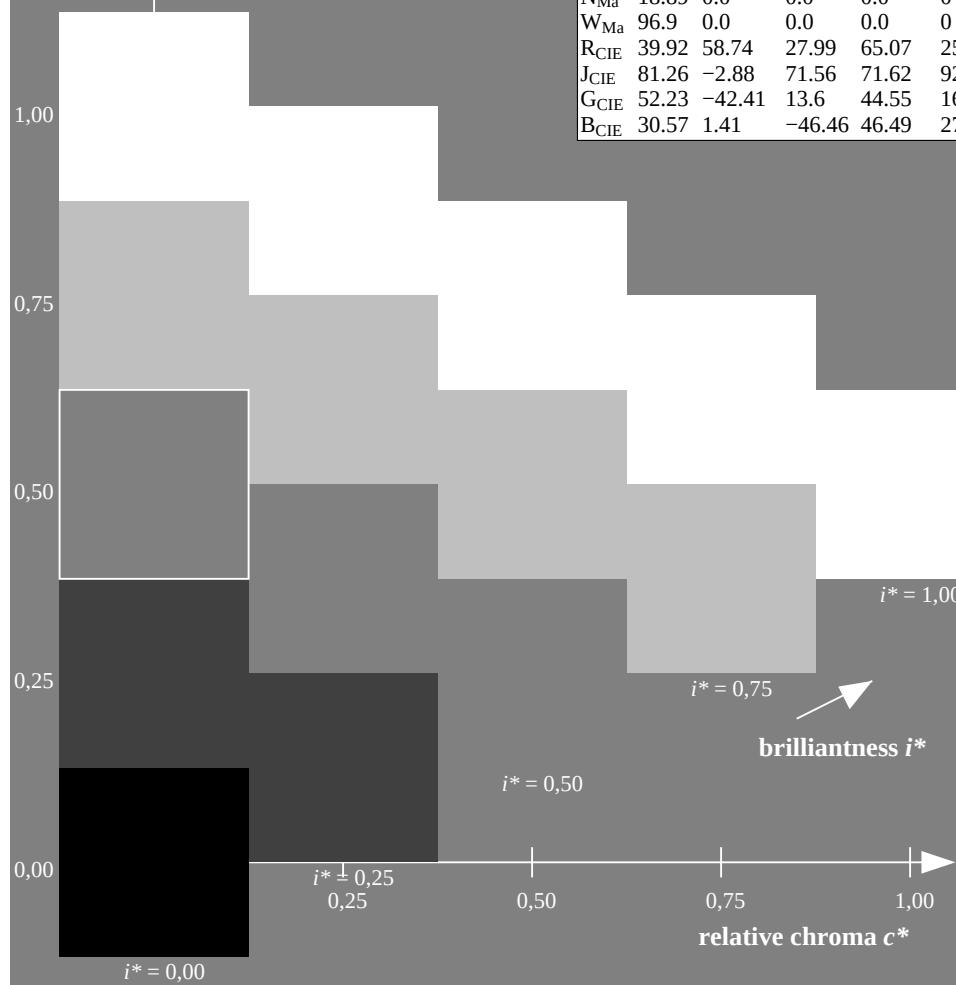
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

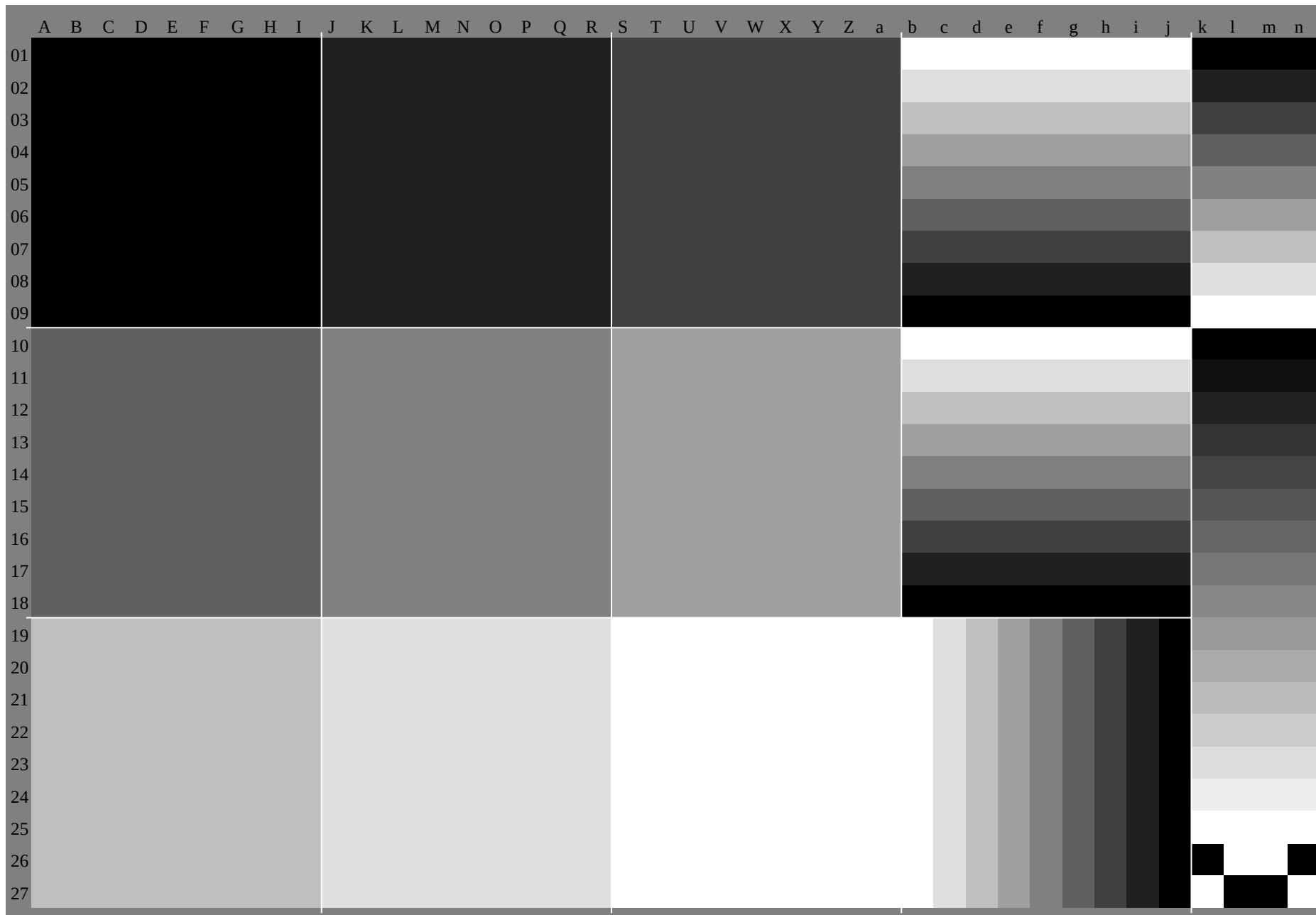
$g^*_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



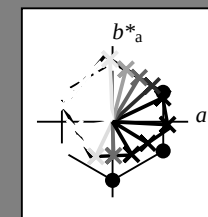
See for similar files: <http://www.ps.bam.de/De74/>; [www.ps.bam.de/De74/De74E00NA.PS/.TXT](http://www.ps.bam.de/De74/De74E00NA.PS/.TXT)  
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20080701-De74/10L/L74E00NA.PS/.TXT BAM material: code=rh4ta  
application for evaluation and measurement of printer or monitor systems



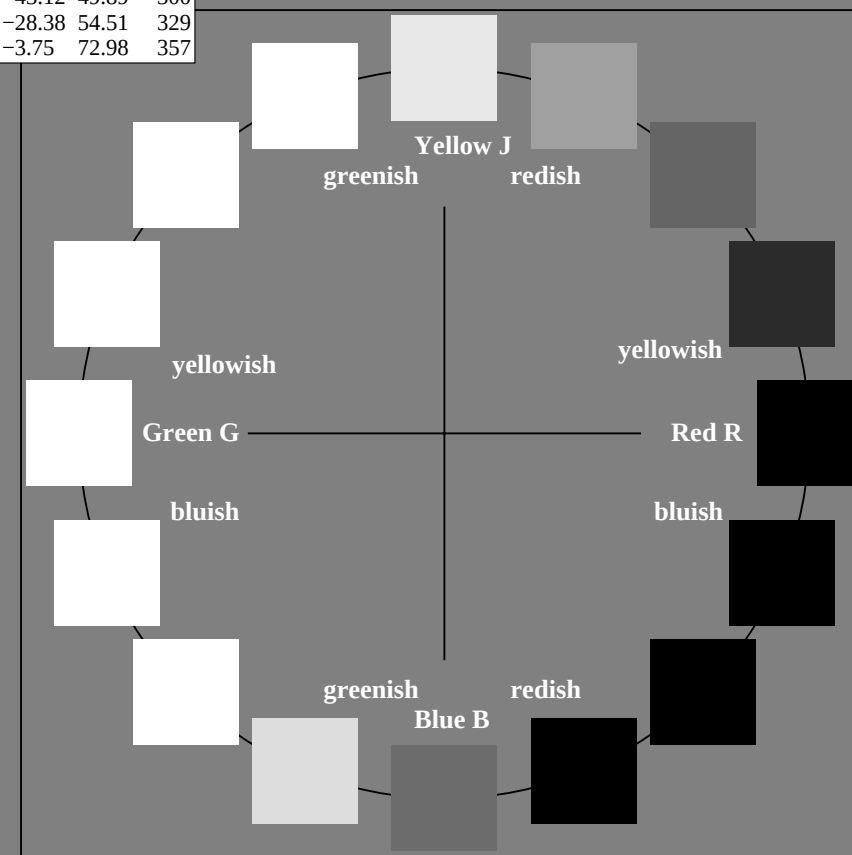
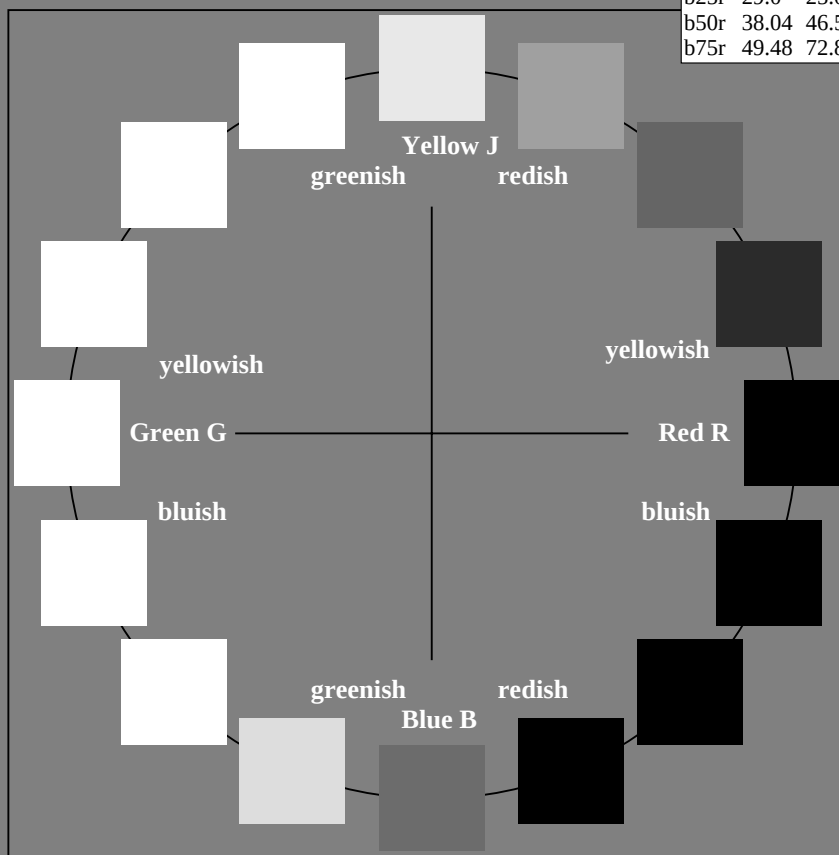
Input and output:  
Colorimetric Printer Reflective System ORS19\_96a  
data for any colour:  
*lab\**tch\** and lab\**icu\***  
elementary hue text:  
*u\** = 16 hues *r00j*, *r25j*, ..., *b75r*  
contrast reduction factor:  
 $c_R = 1.0$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



%Gamut  
 $u^*_{rel} = 89$   
%Regularity  
 $g^*_{H,rel} = 72$   
 $g^*_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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 ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 25/360 = 0.071$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

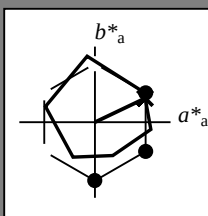
elementary hue text:

$u^* = r00j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 49 66 32

$LAB^*LCH^*_{Ma}$ : 49 74 25

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.16

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

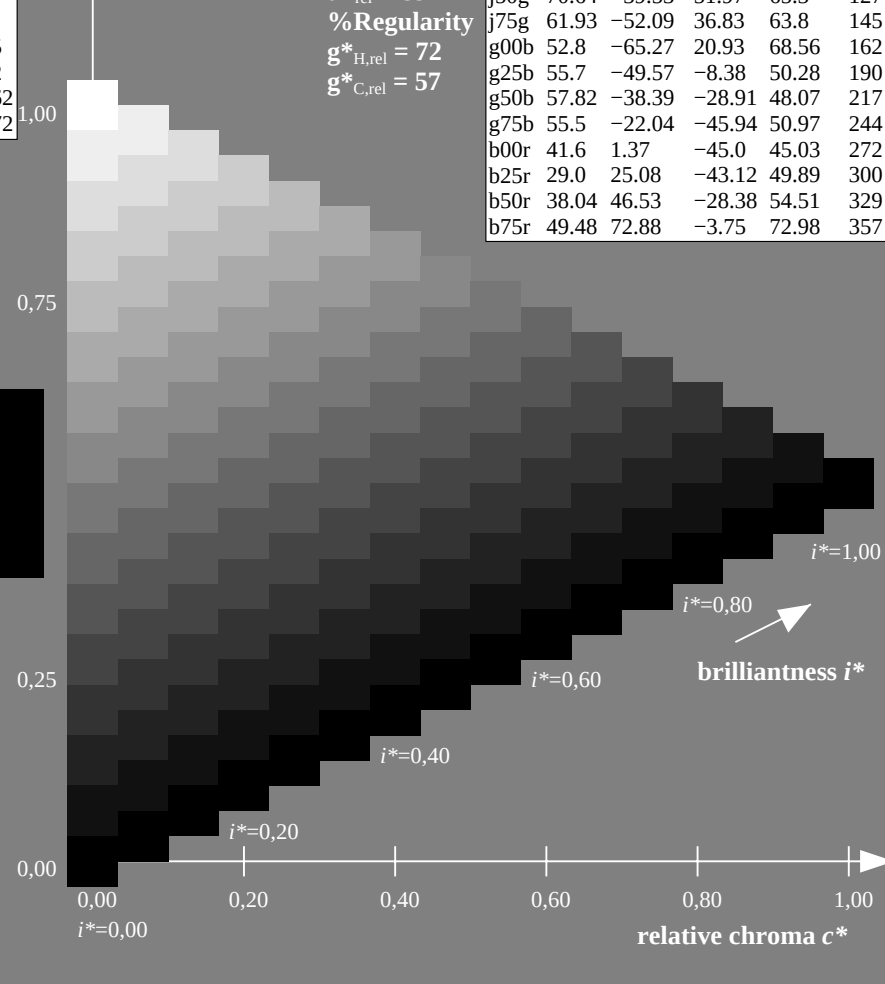
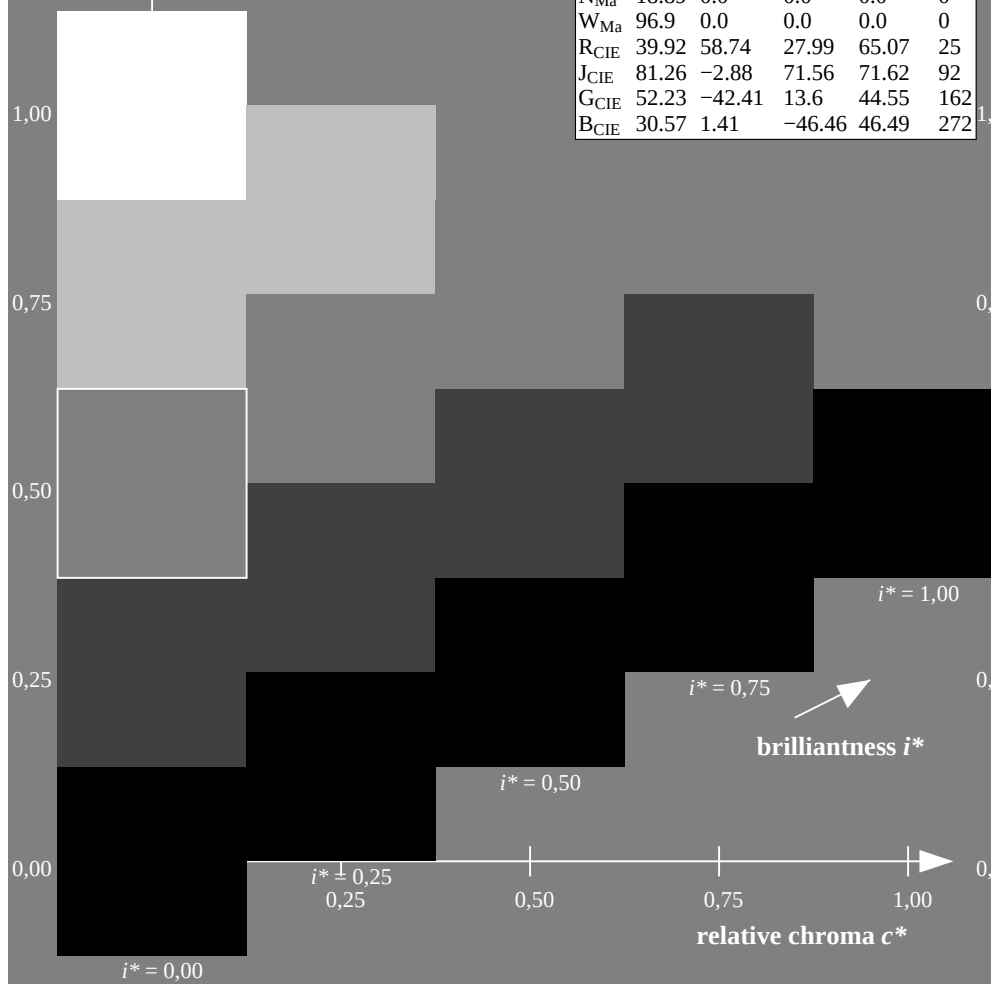
%Regularity

$g^*_{H,rel} = 72$

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

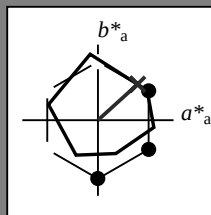
ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a 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  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 56 52 47

$LAB^*LCH^*_{Ma}$ : 56 71 42

$lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.17 0.0

triangle lightness  $t^*$

%Gamut

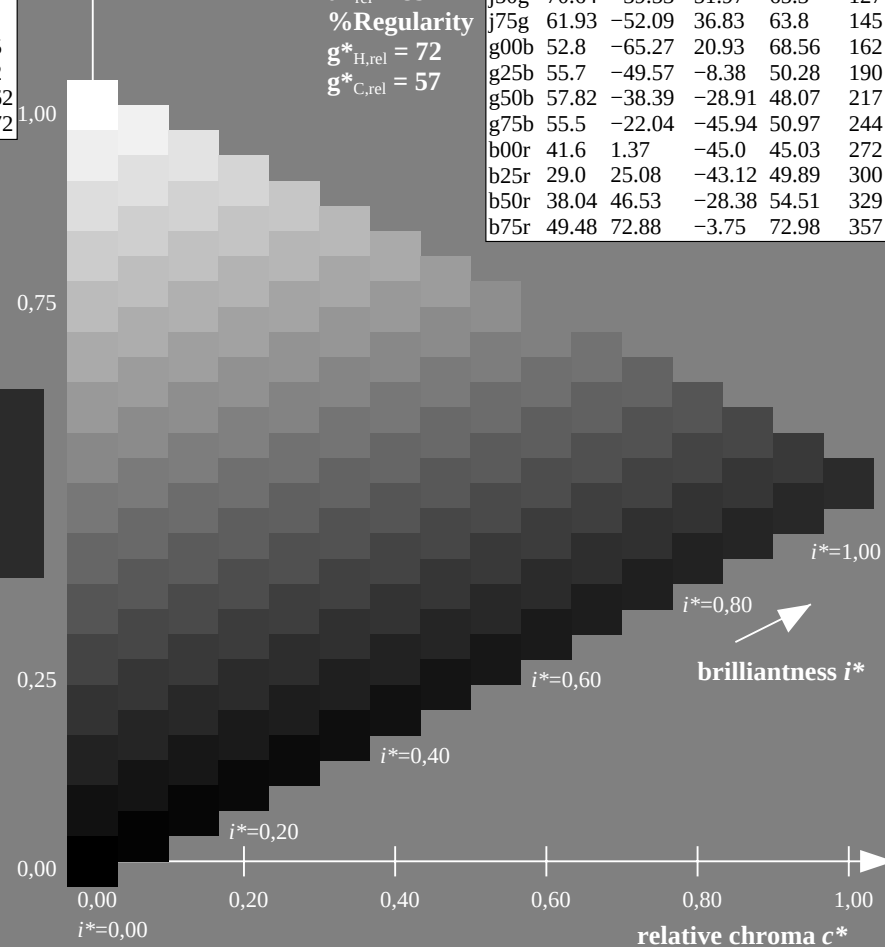
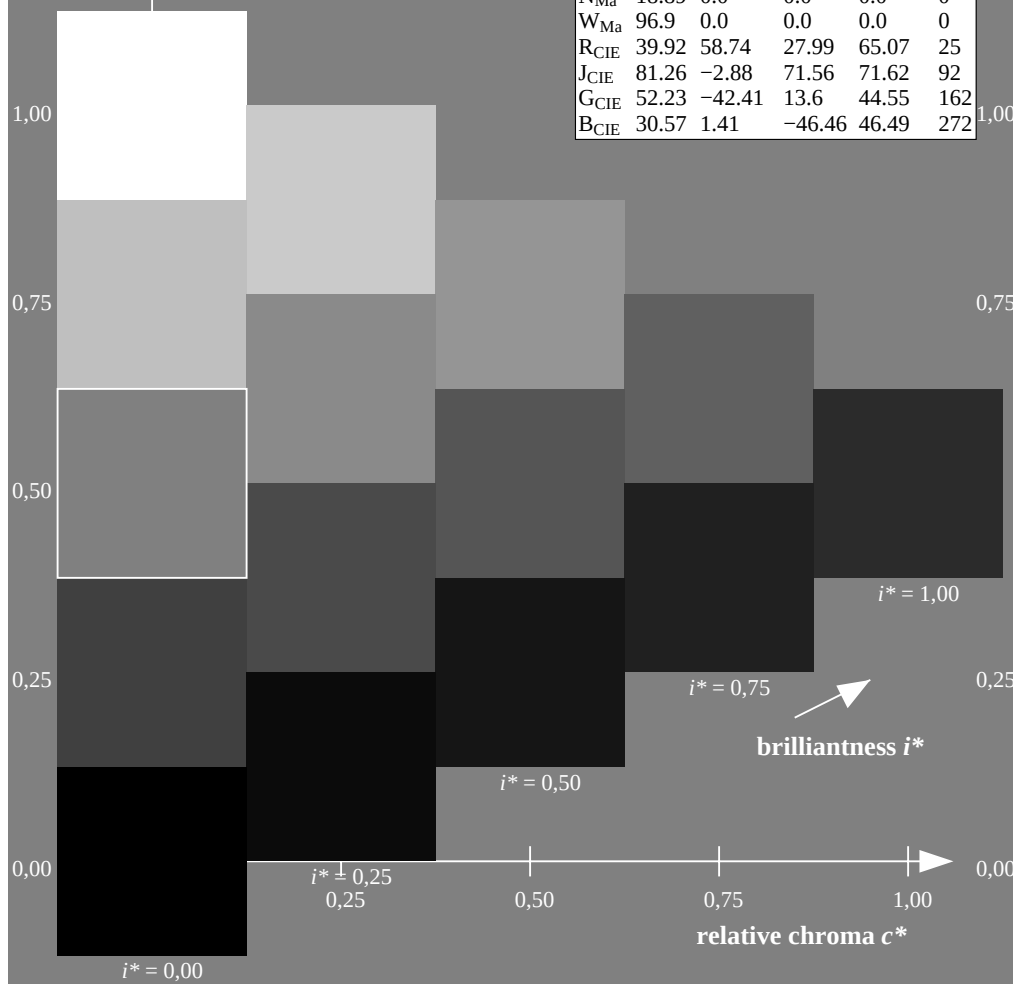
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

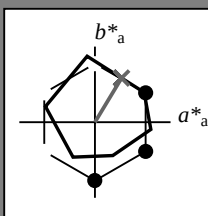
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 65 35 58

$LAB^*LCH^*_{Ma}$ : 65 68 59

$lab^*rgb^*_{Ma}$ : 1.0 0.5 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.4 0.0

triangle lightness  $t^*$

%Gamut

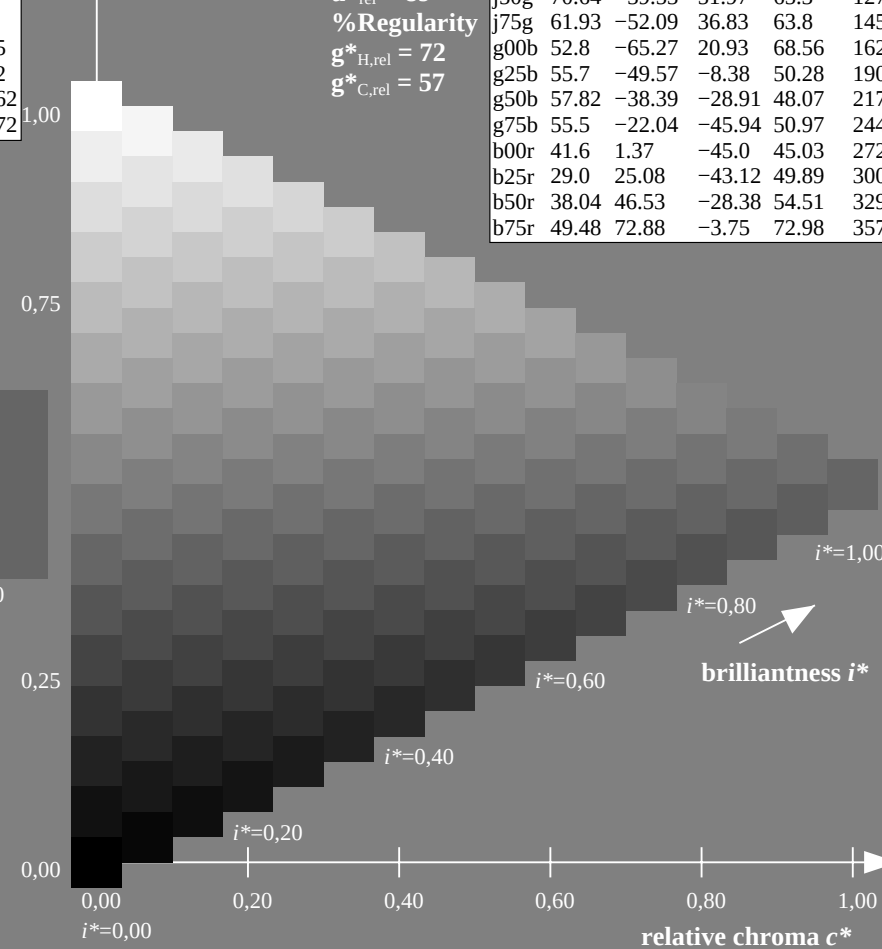
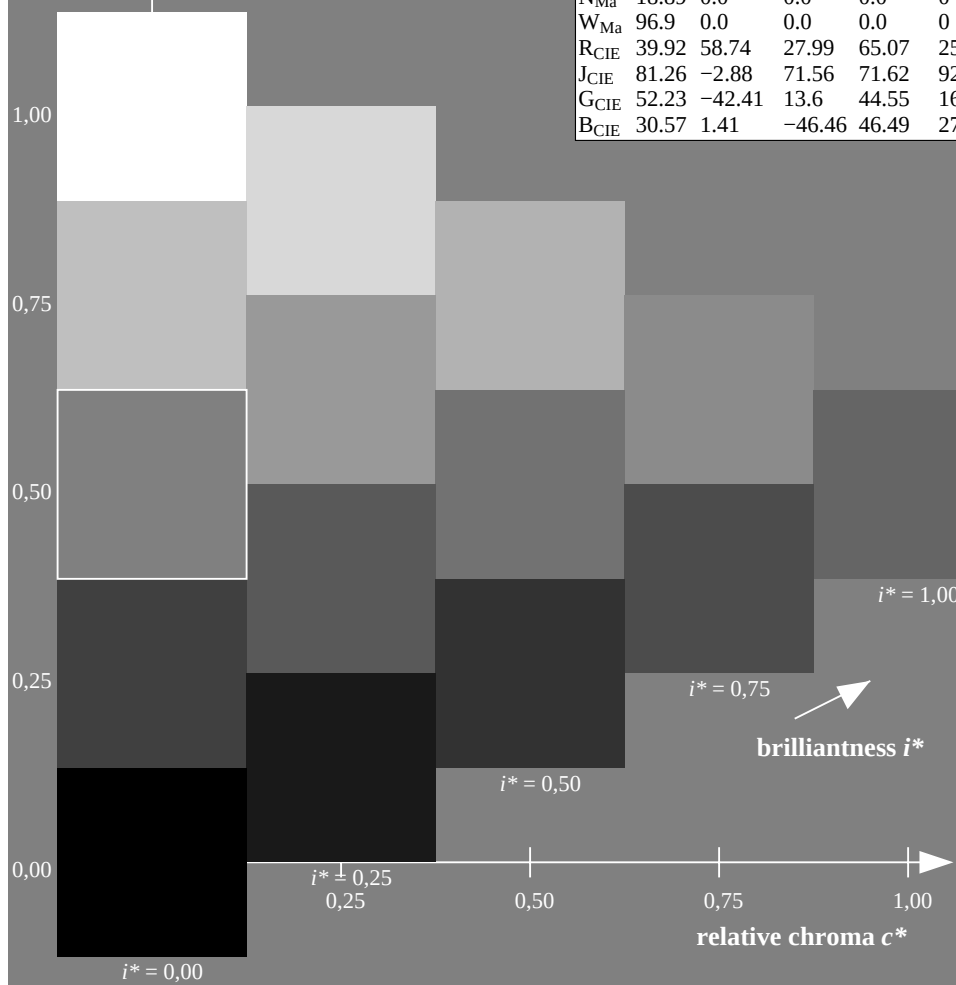
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

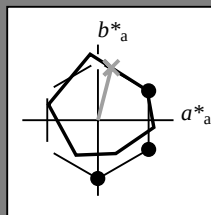
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 75 18 69

$LAB^*LCH^*_{Ma}$ : 75 72 76

$lab^*rgb^*_{Ma}$ : 1.0 0.75 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.63 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

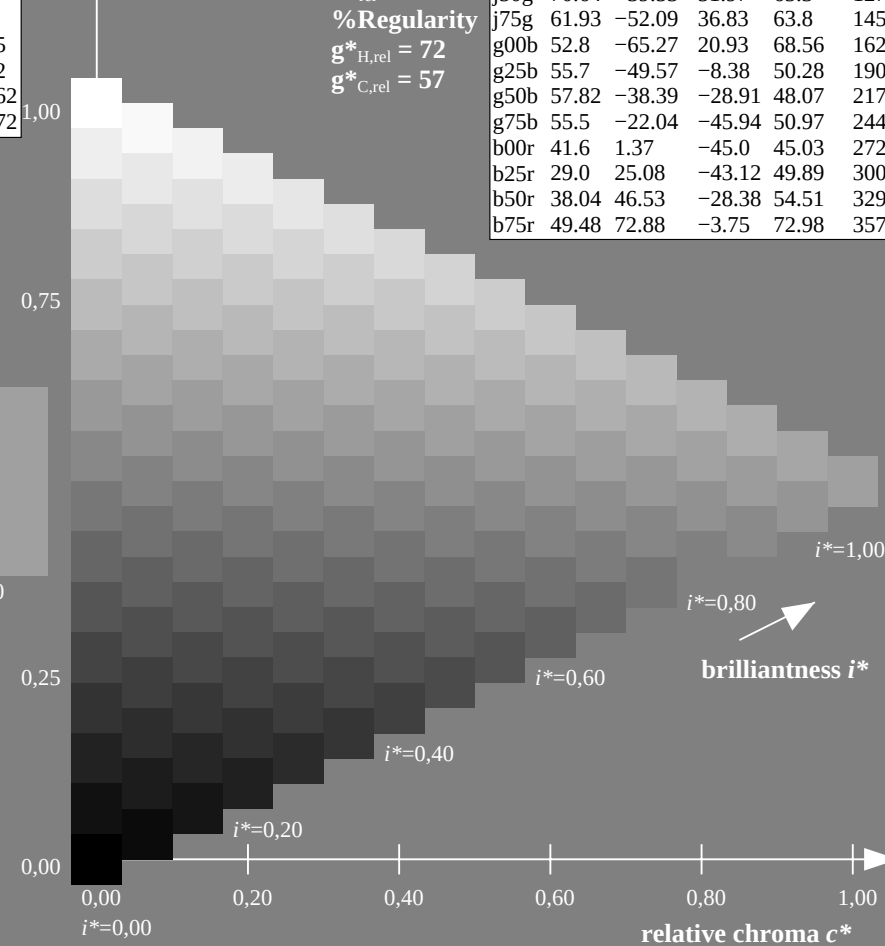
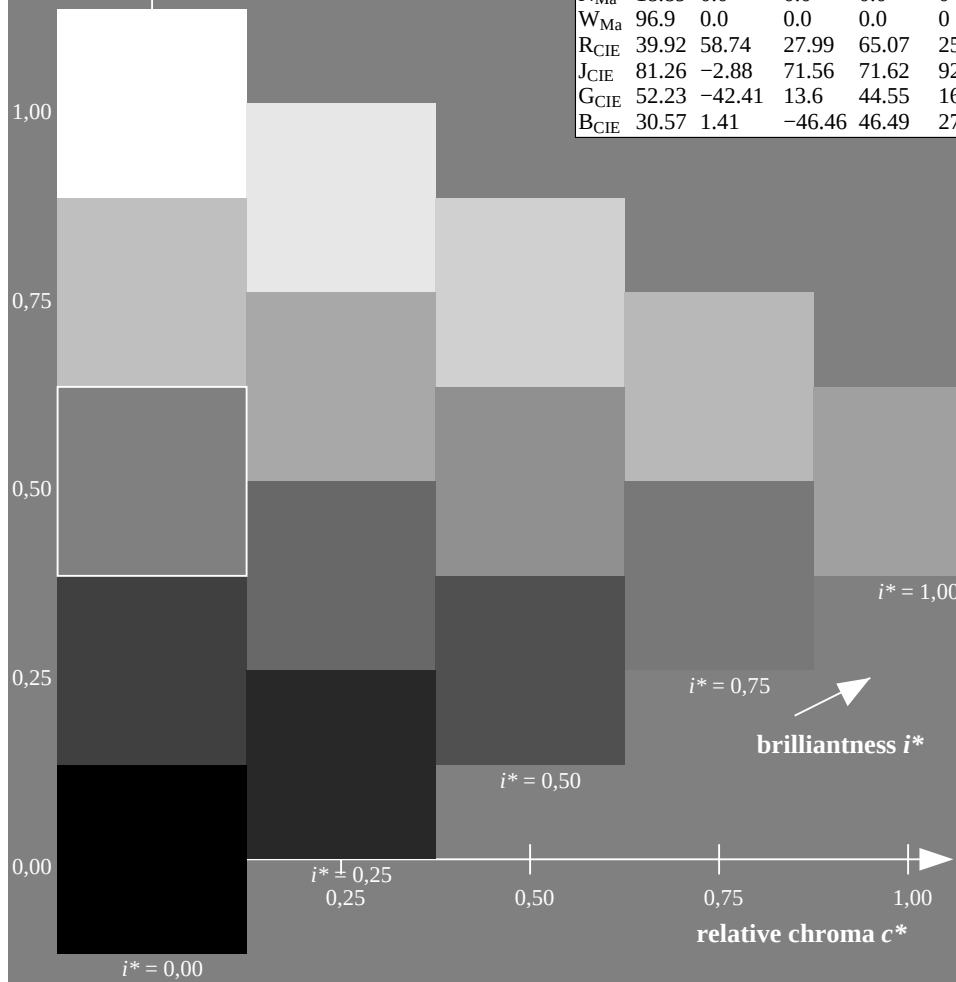
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

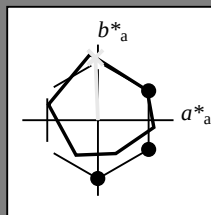
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 87 -2 83

$LAB^*LCH^*_{Ma}$ : 87 83 92

$lab^*rgb^*_{Ma}$ : 1.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.91 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

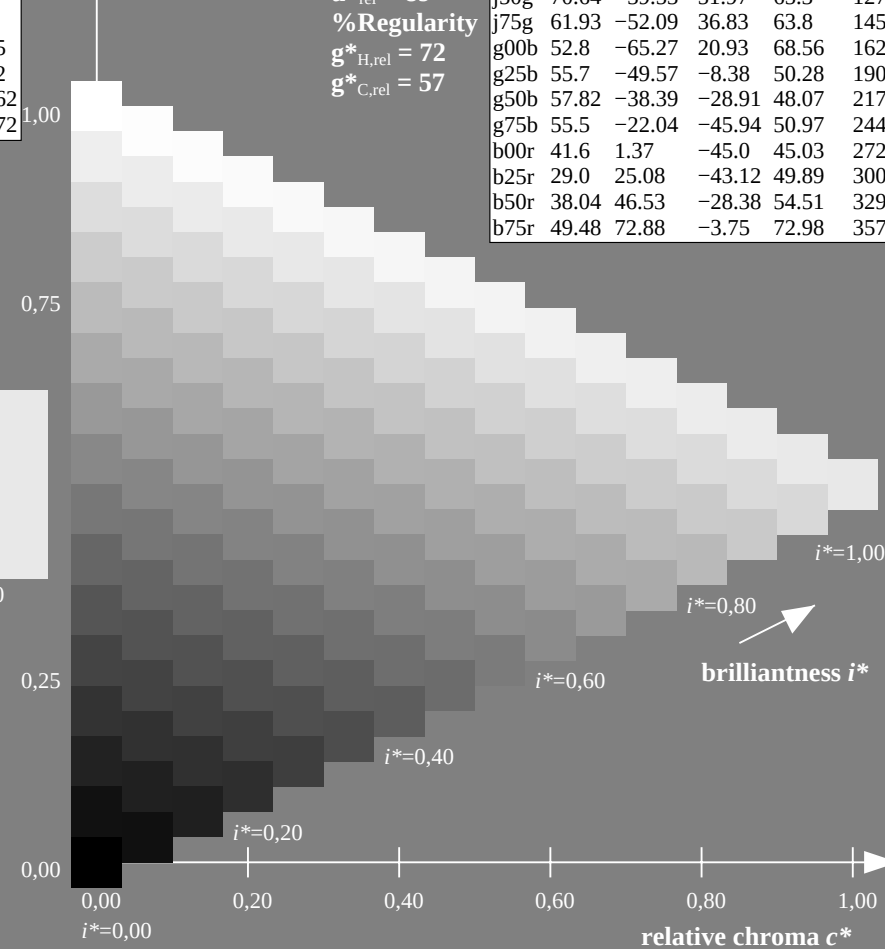
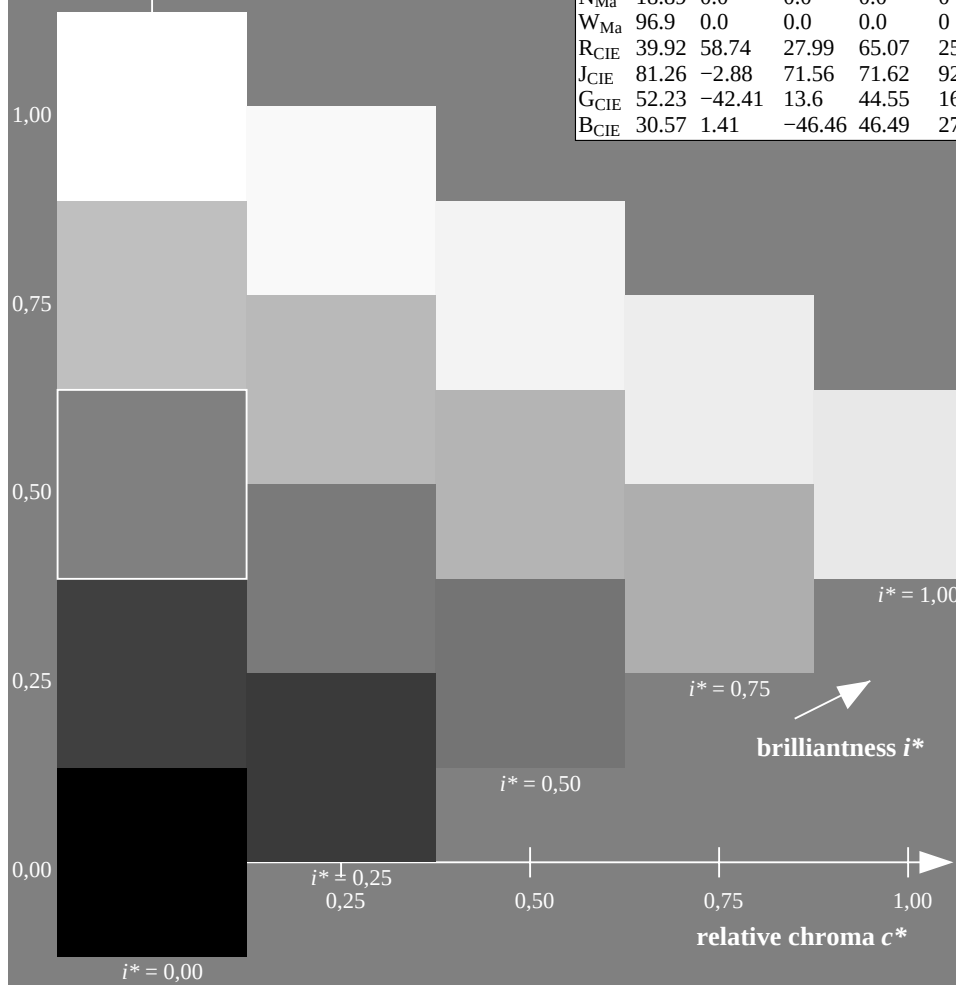
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

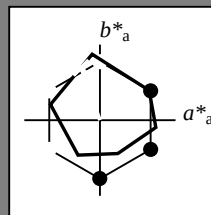
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 81 -24 69

$LAB^*LCH^*_{Ma}$ : 81 74 110

$lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.73 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

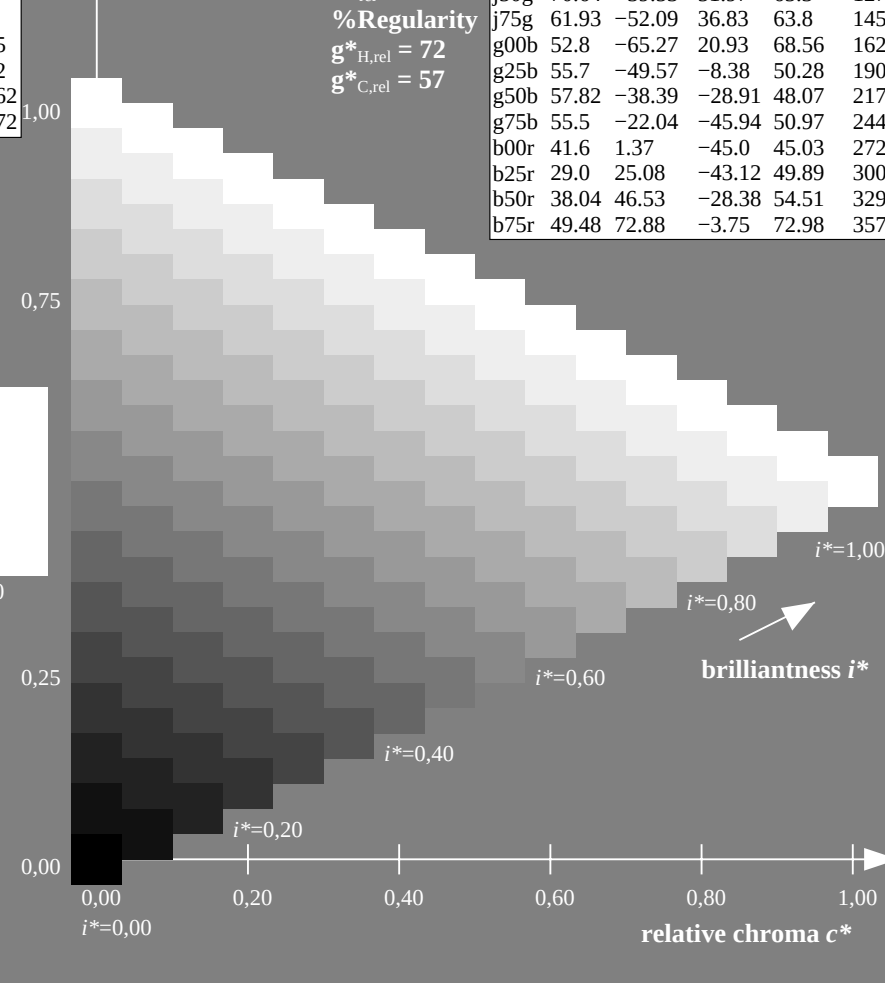
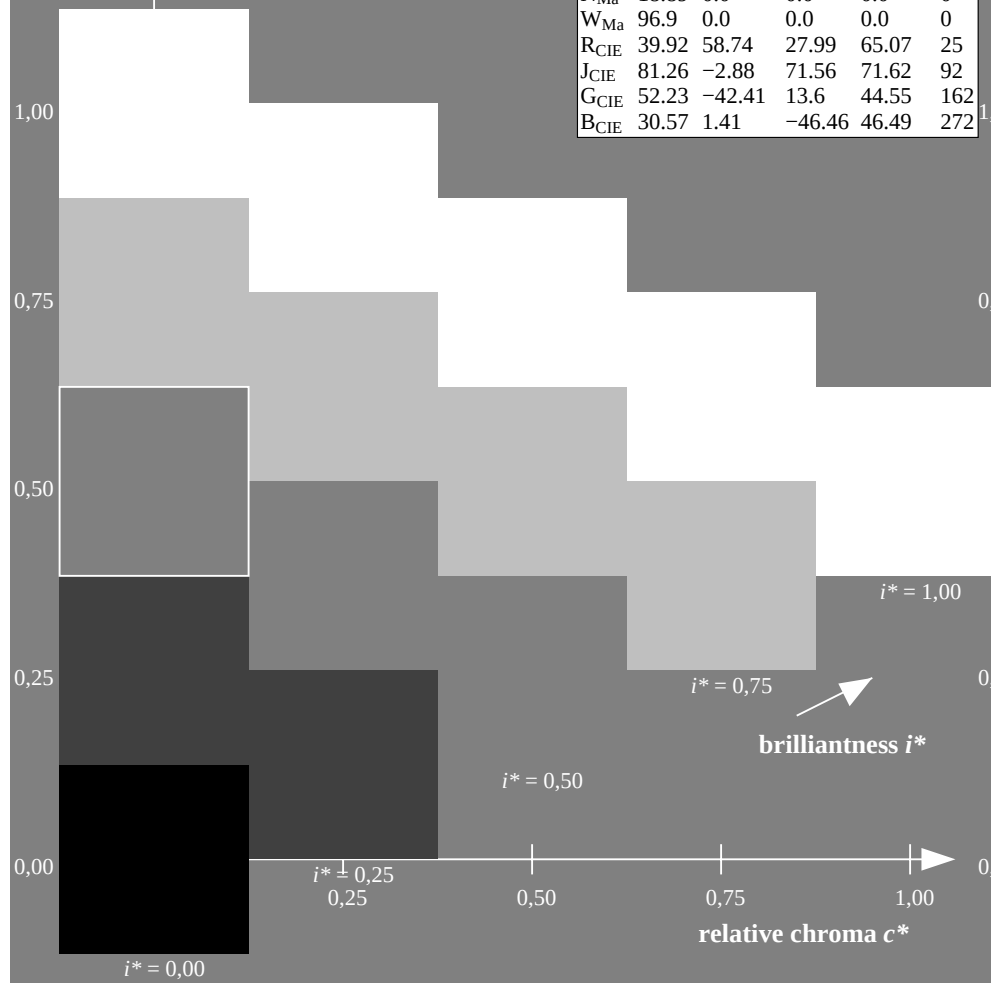
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

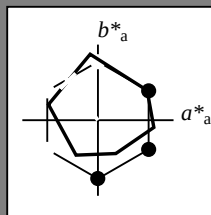
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 71 -39 52

$LAB^*LCH^*_{Ma}$ : 71 65 127

$lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.47 1.0 0.0

triangle lightness  $t^*$

%Gamut

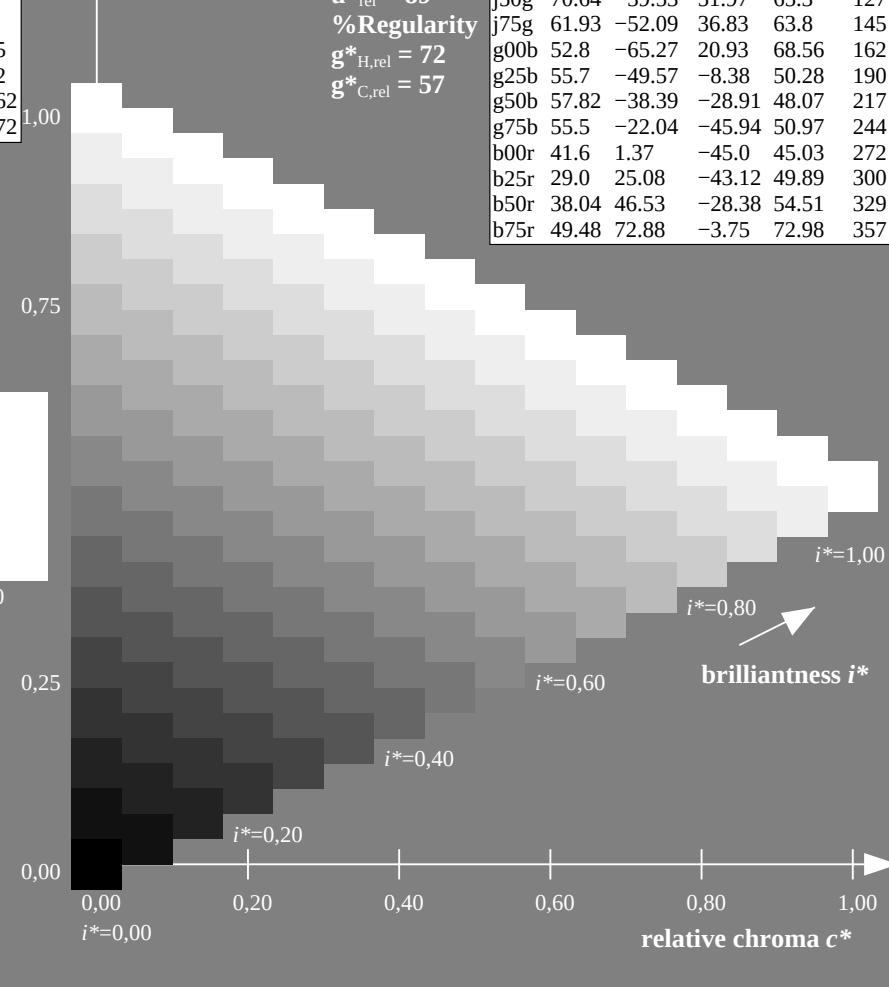
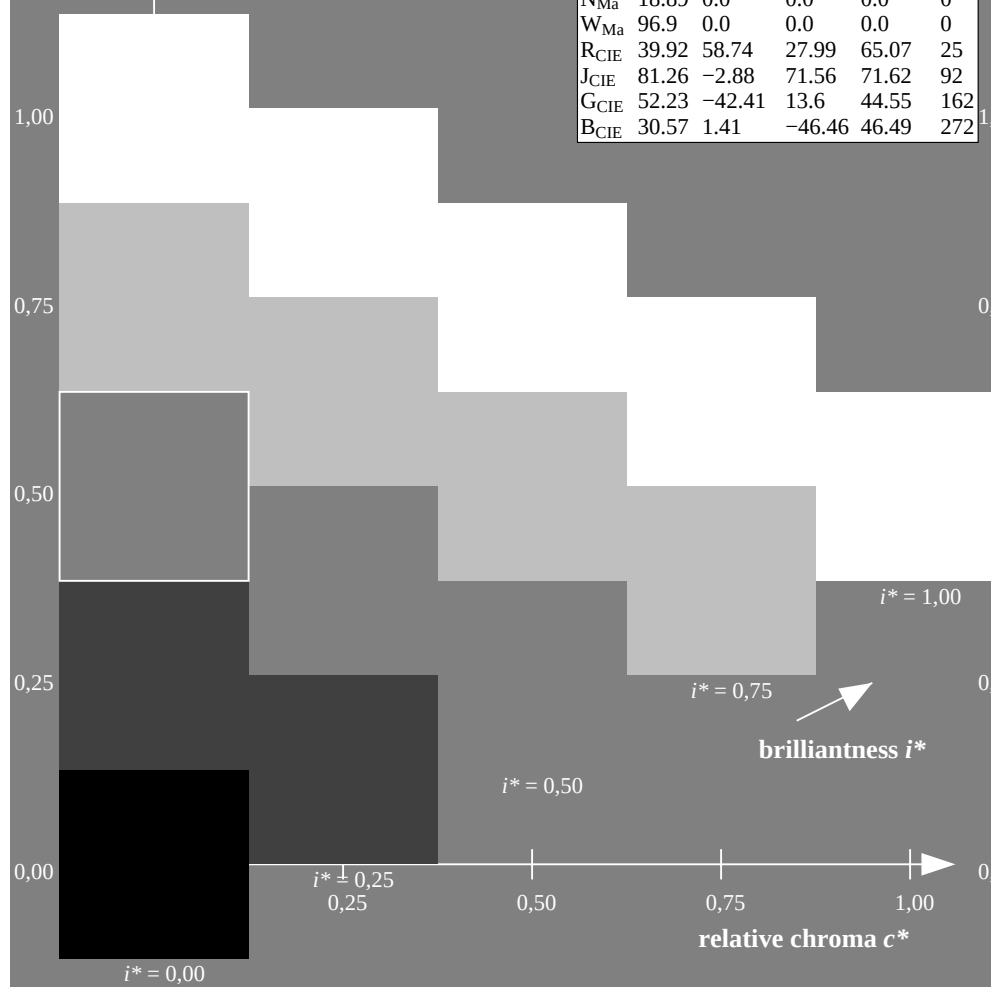
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

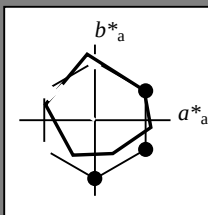
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 62 -51 37

$LAB^*LCH^*_{Ma}$ : 62 64 145

$lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.24 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

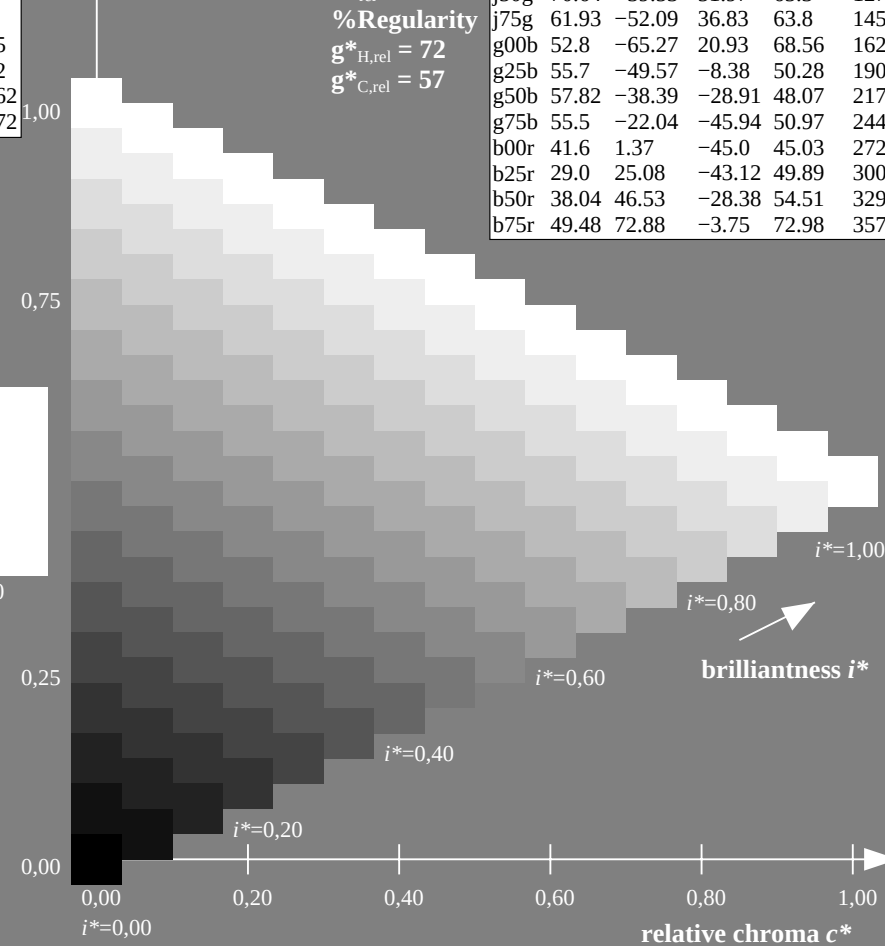
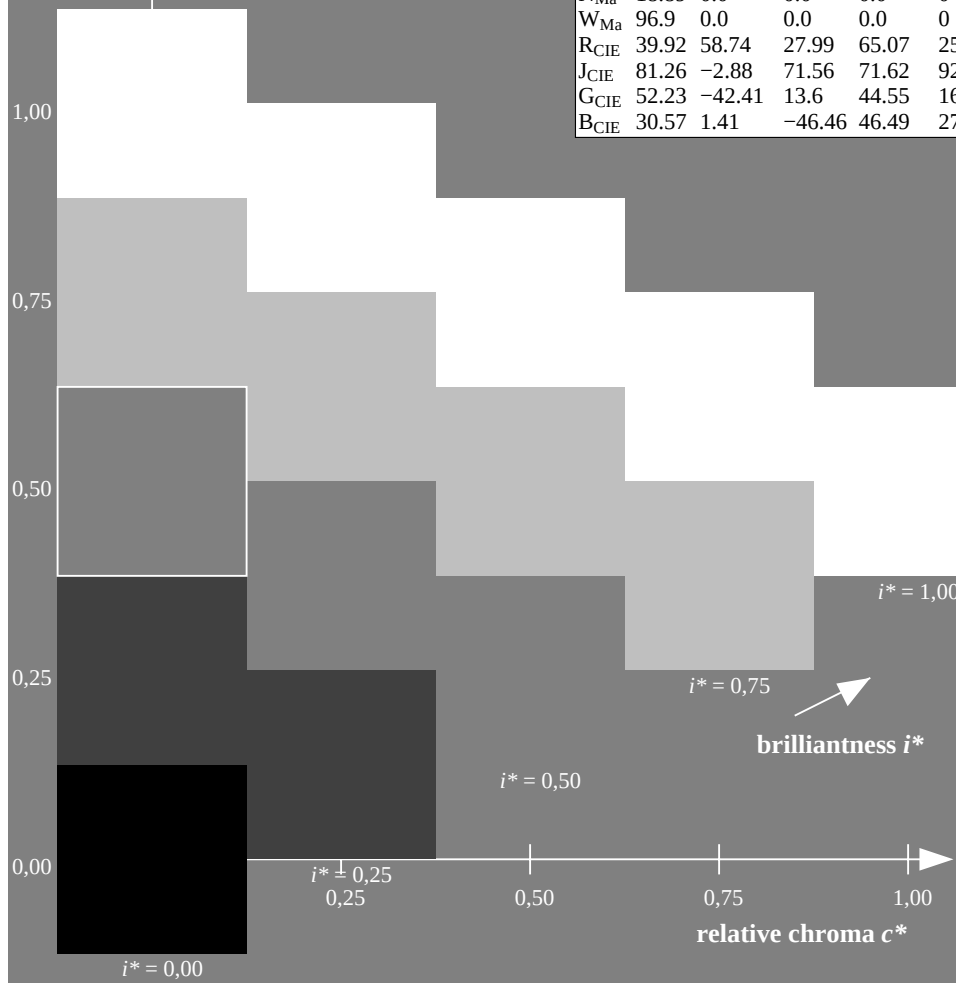
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

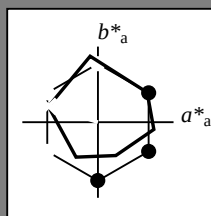
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 53 -64 21

$LAB^*LCH^*_{Ma}$ : 53 69 162

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.0

triangle lightness  $t^*$

%Gamut

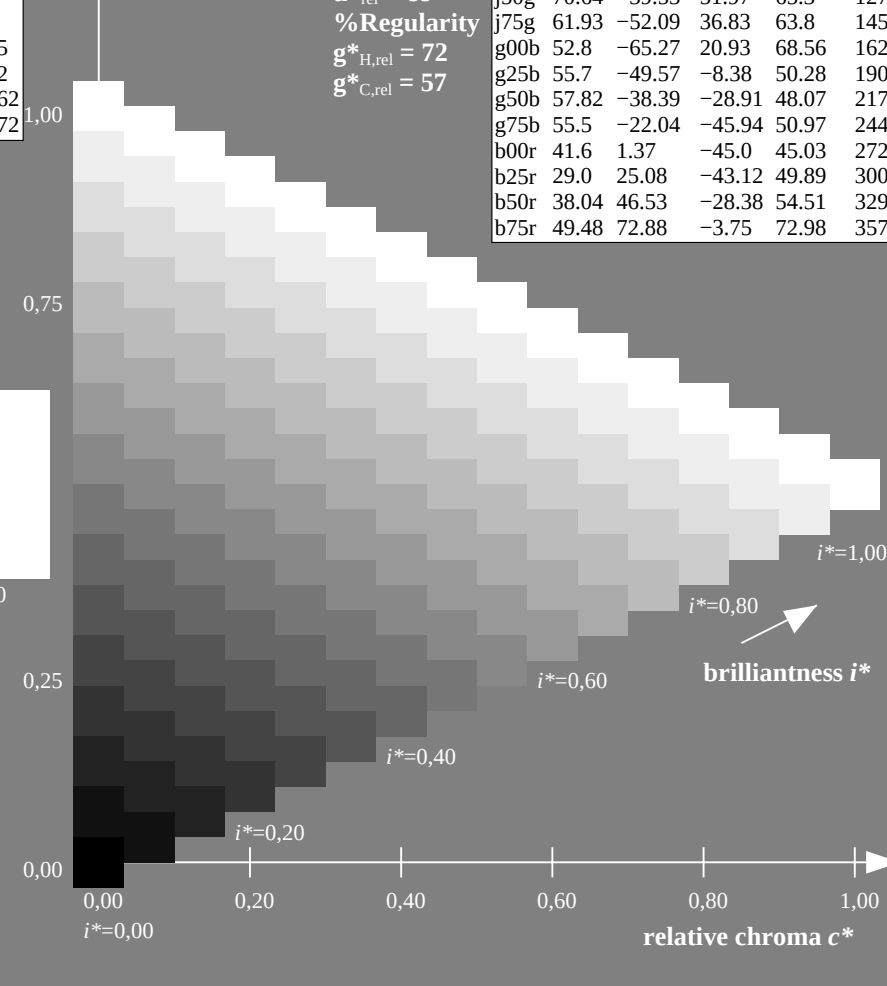
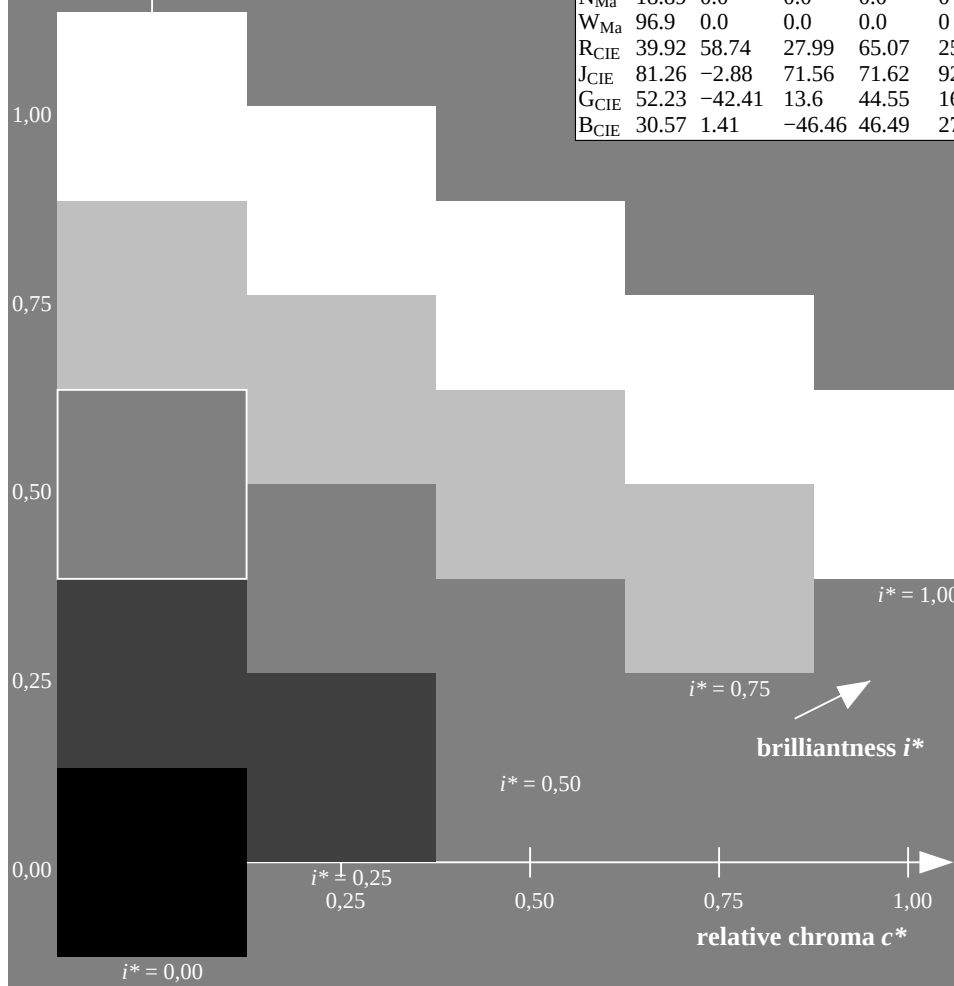
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |               |         |         |              |              |
|------------------------------------|---------------|---------|---------|--------------|--------------|
|                                    | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

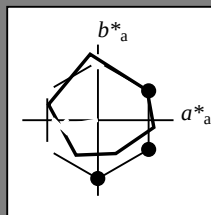
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 56 -49 -7

$LAB^*LCH^*_{Ma}$ : 56 50 190

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.5

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.44

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

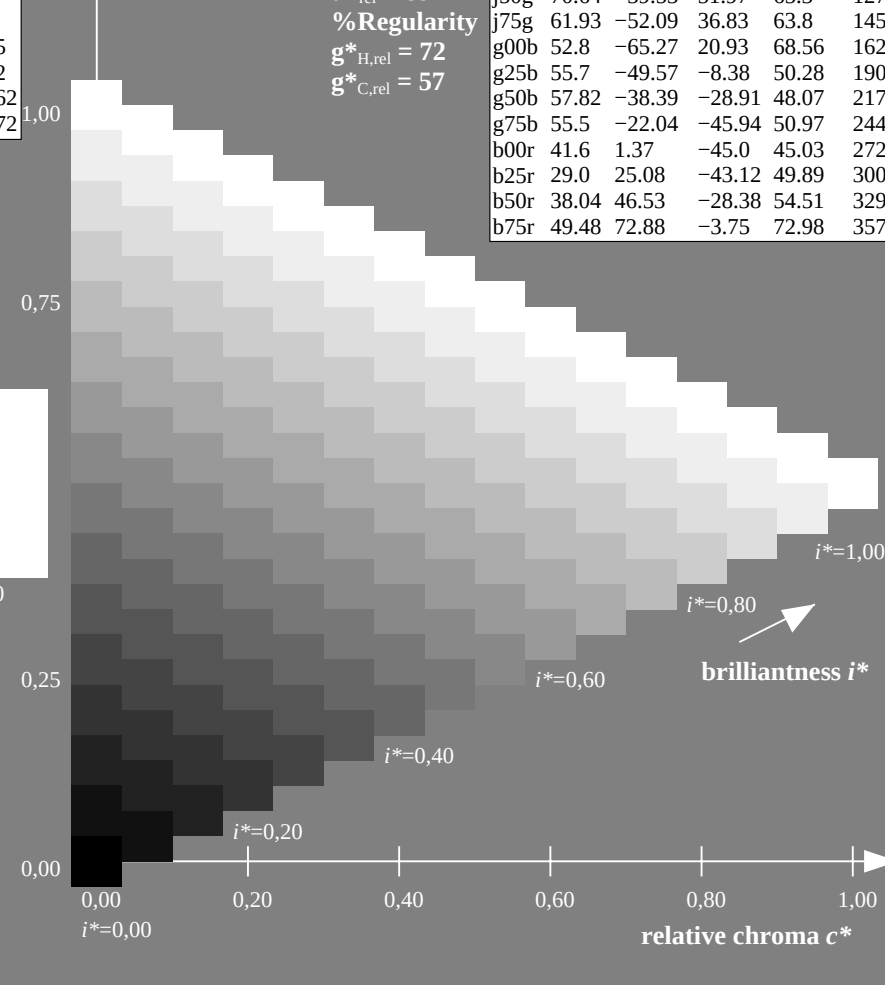
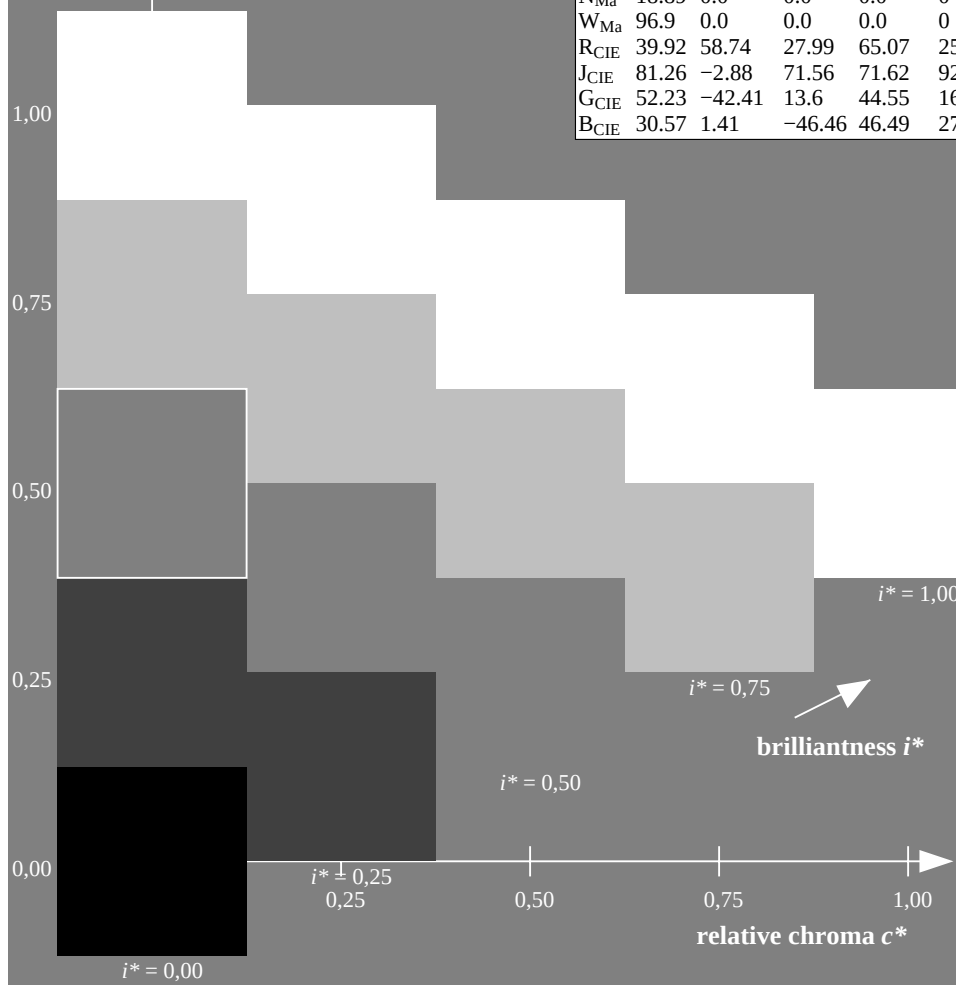
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| r00j | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

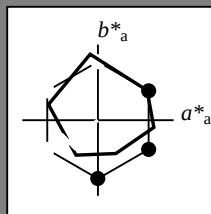
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 58 -37 -28

$LAB^*LCH^*_{Ma}$ : 58 48 217

$lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.74

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

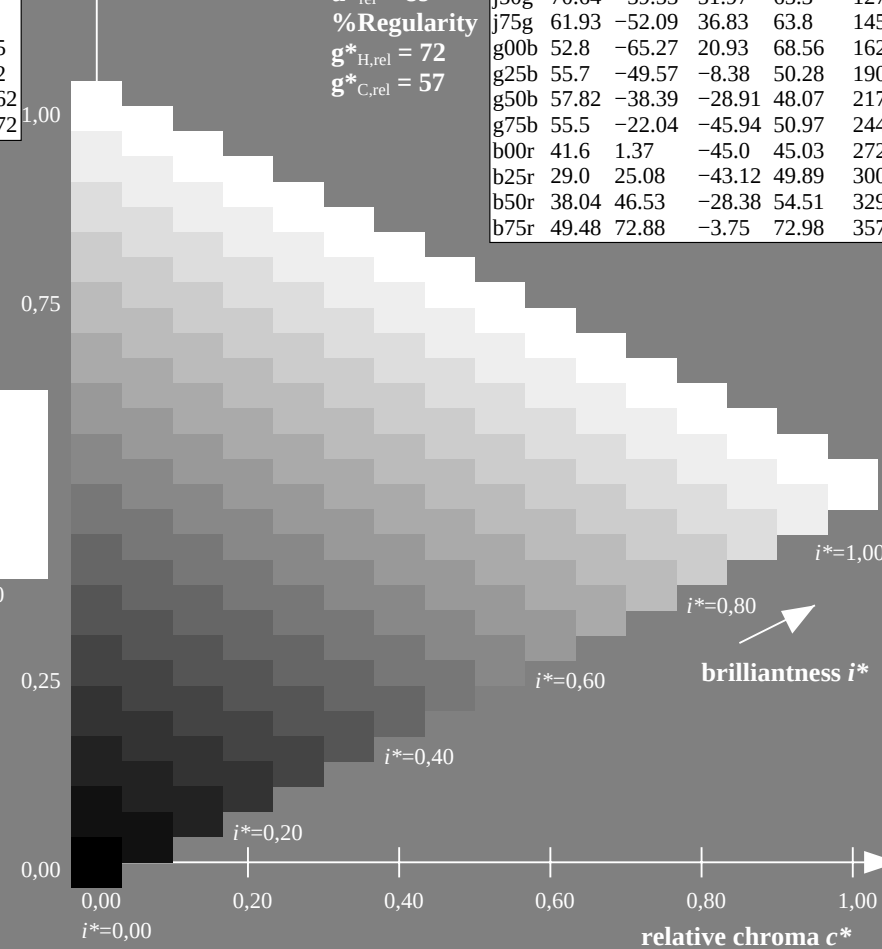
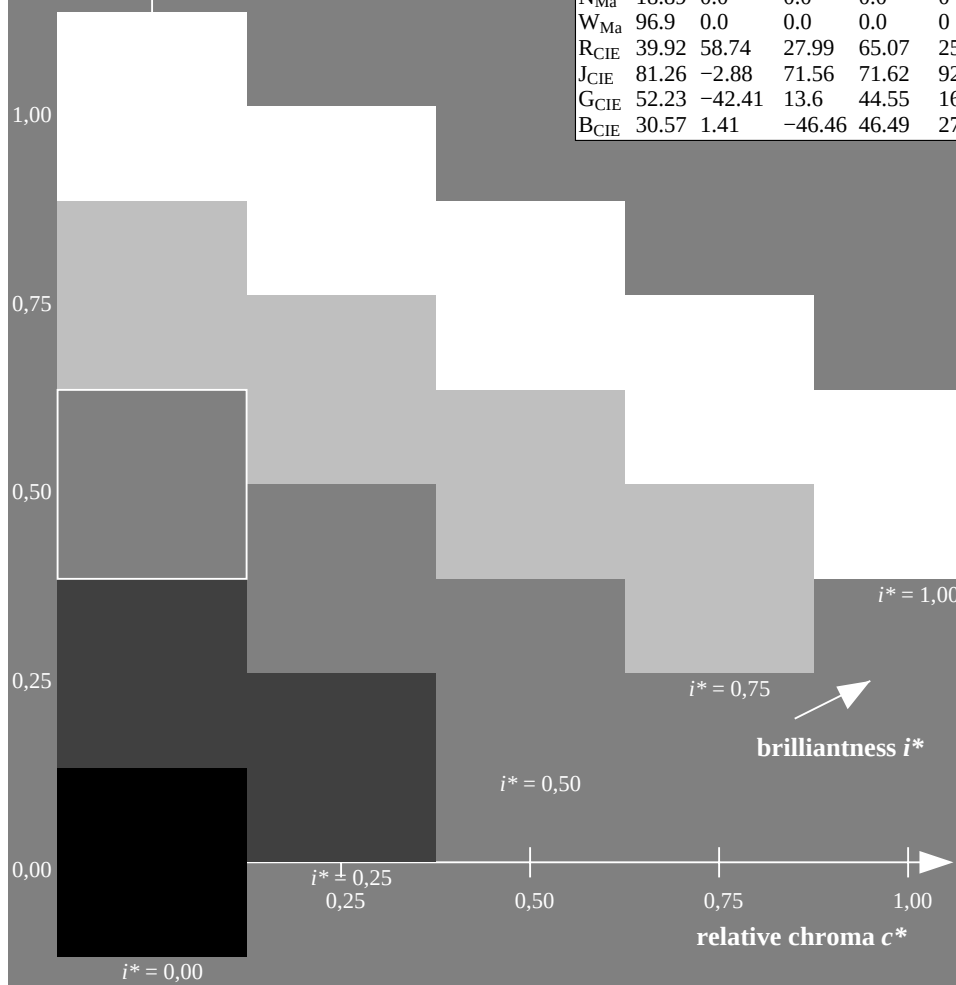
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

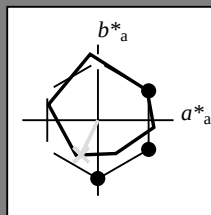
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 55 -21 -45

$LAB^*LCH^*_{Ma}$ : 55 51 244

$lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.87 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

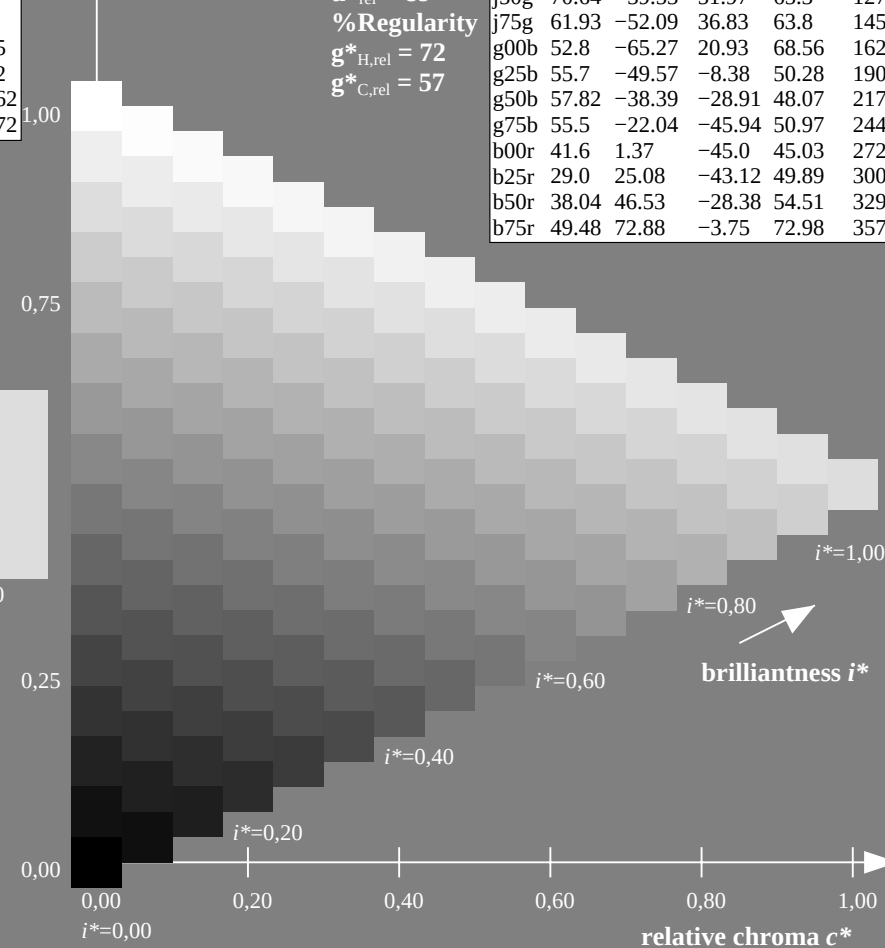
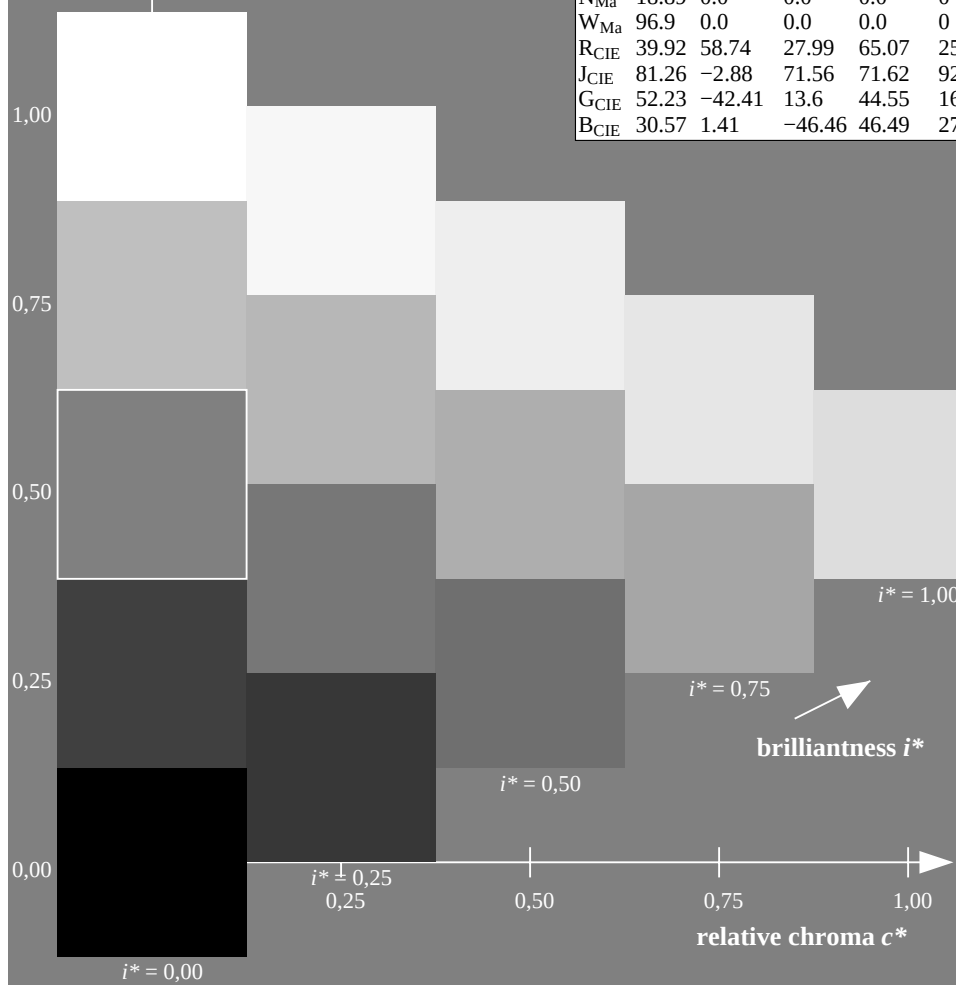
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

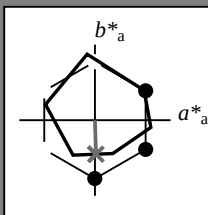
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 42 1 -44

$LAB^*LCH^*_{Ma}$ : 42 45 272

$lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.42 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

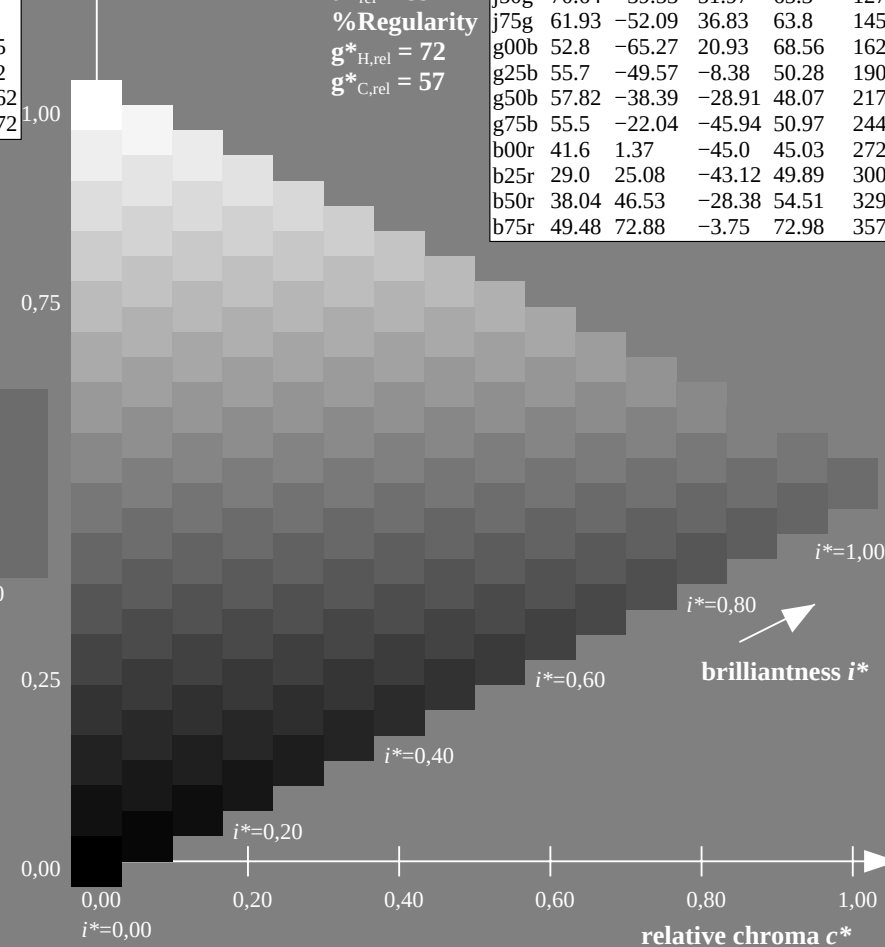
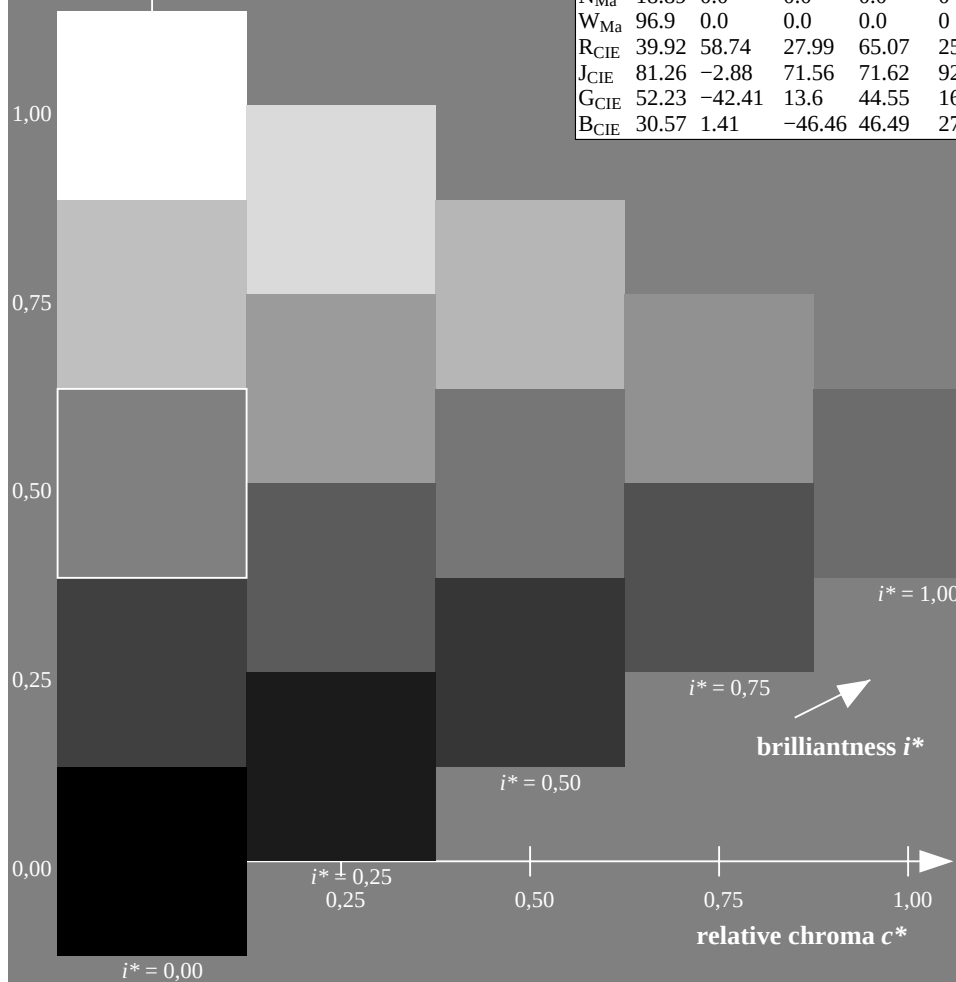
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

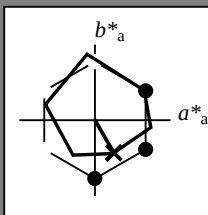
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 29 25 -42

$LAB^*LCH^*_{Ma}$ : 29 50 300

$lab^*rgb^*_{Ma}$ : 0.5 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.03 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

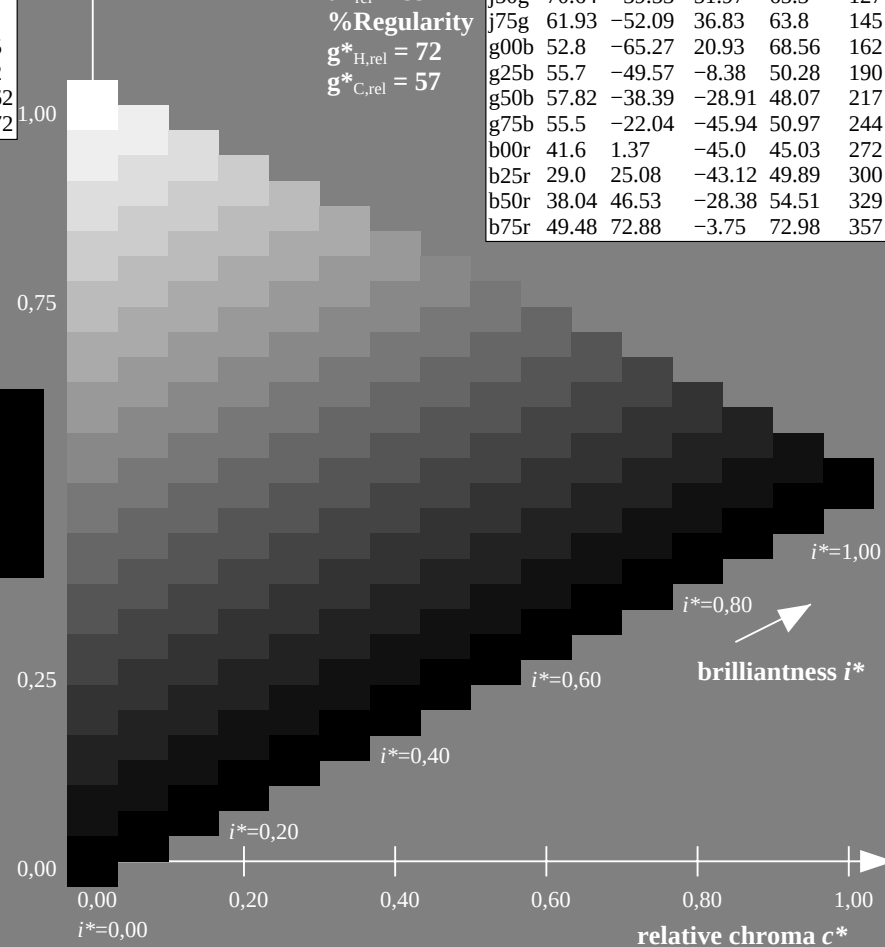
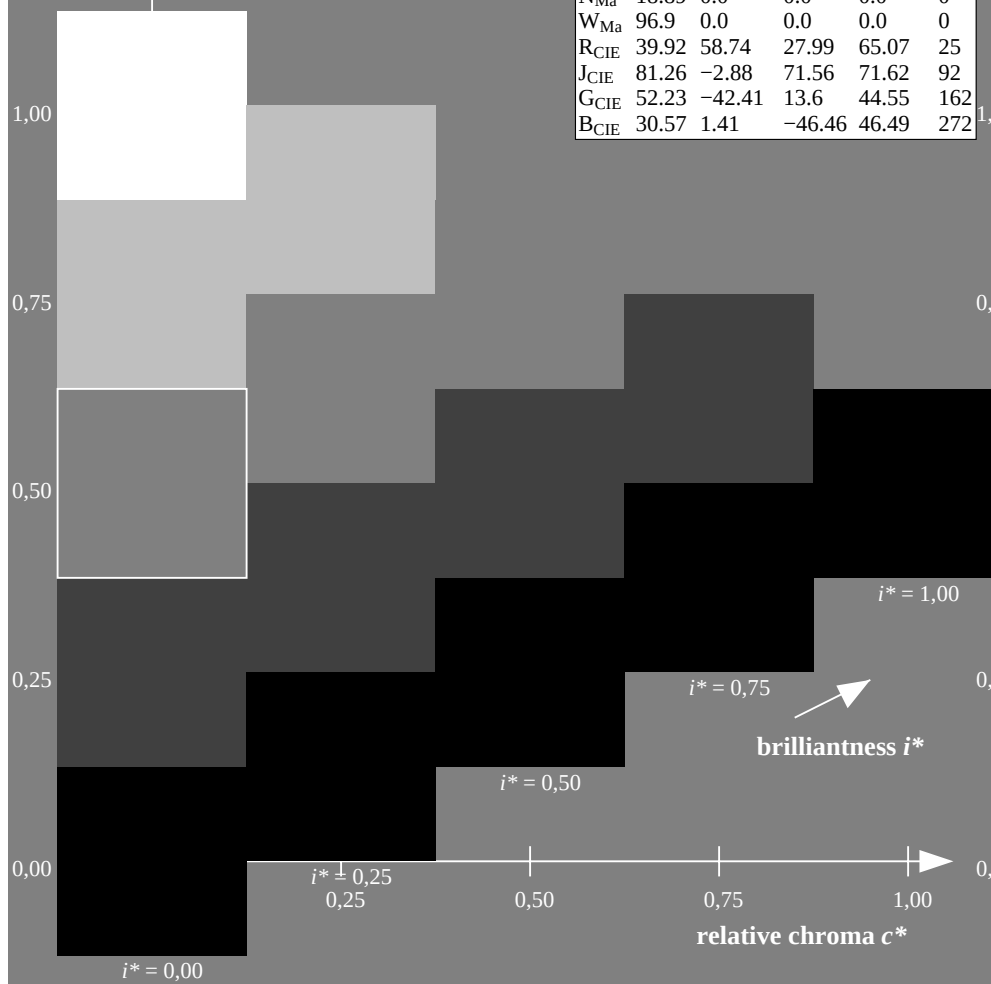
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

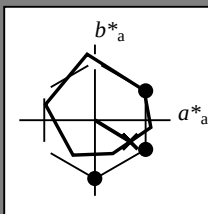
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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 47 -27

$LAB^*LCH^*_{Ma}$ : 38 55 329

$lab^*rgb^*_{Ma}$ : 1.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.46 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

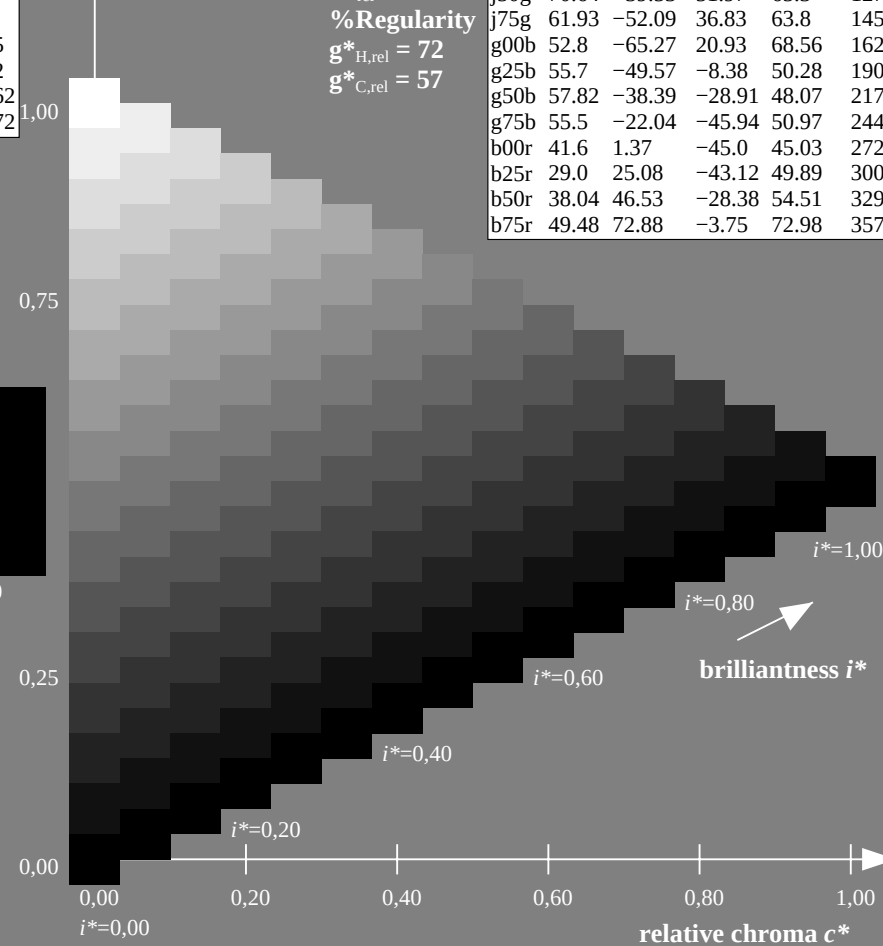
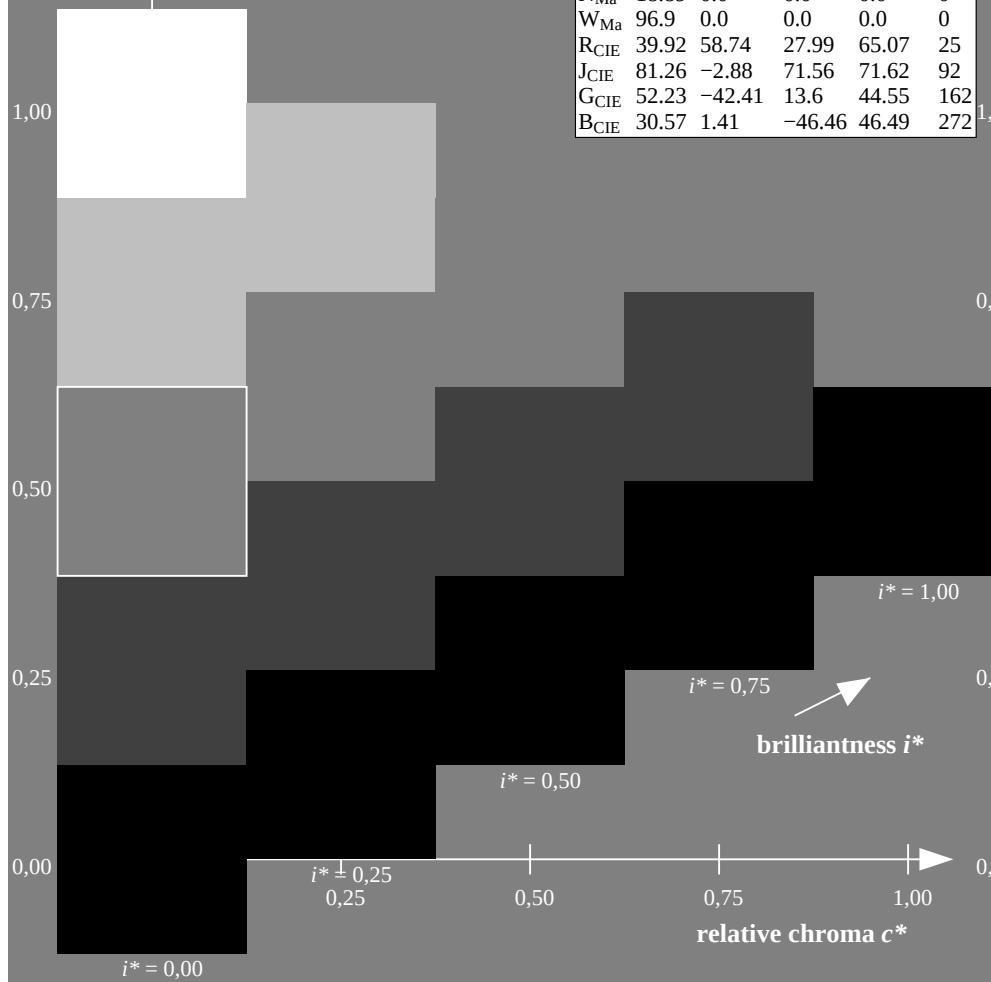
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

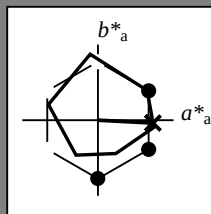
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 49 73 -3

$LAB^*LCH^*_{Ma}$ : 49 73 357

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.88

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

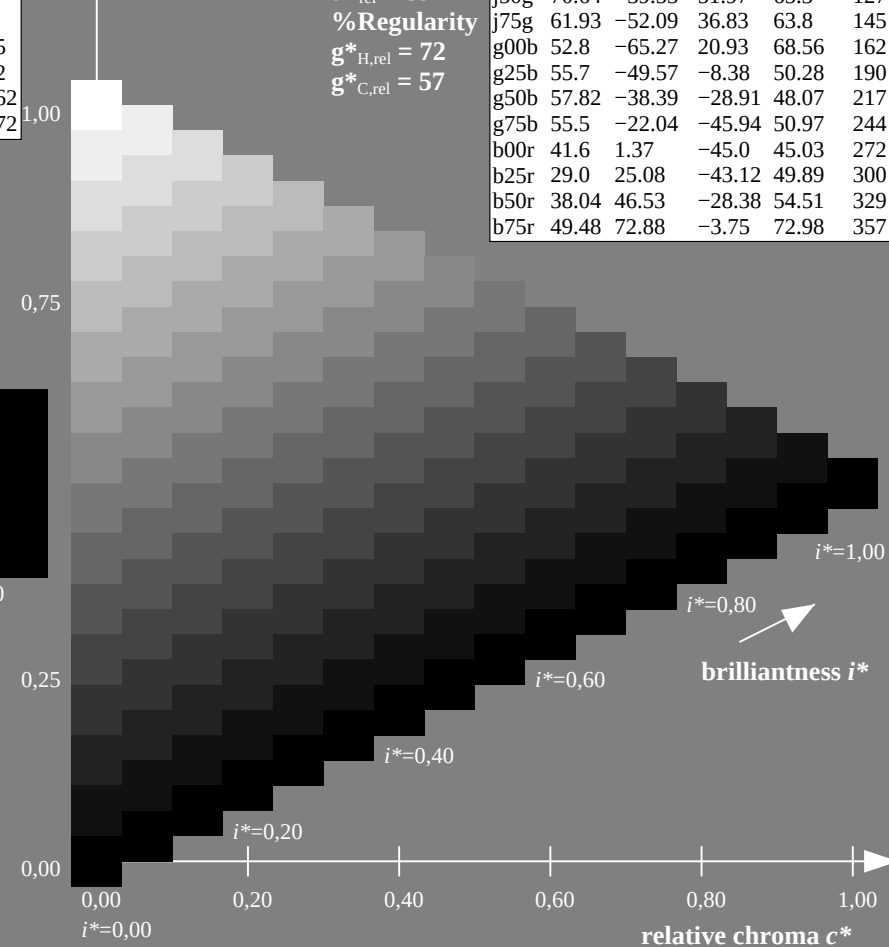
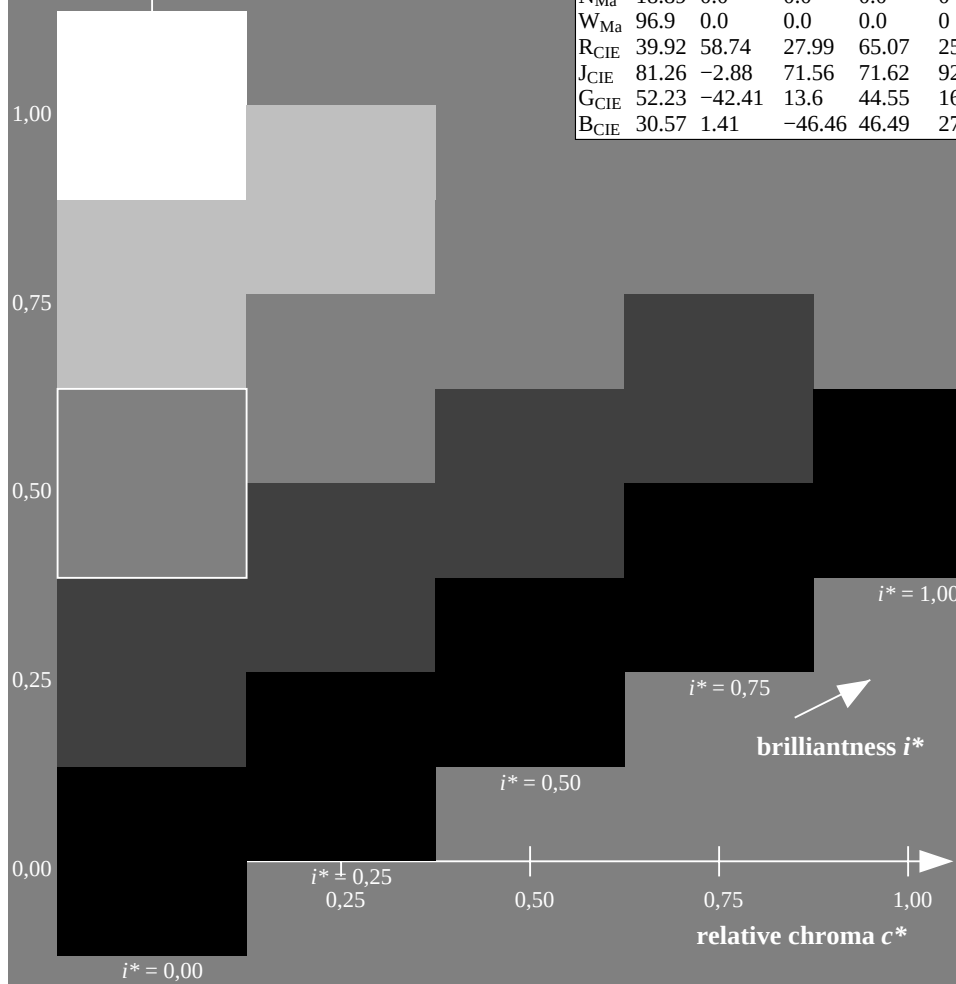
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

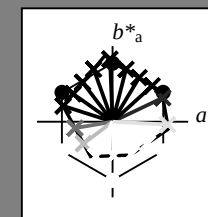
|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





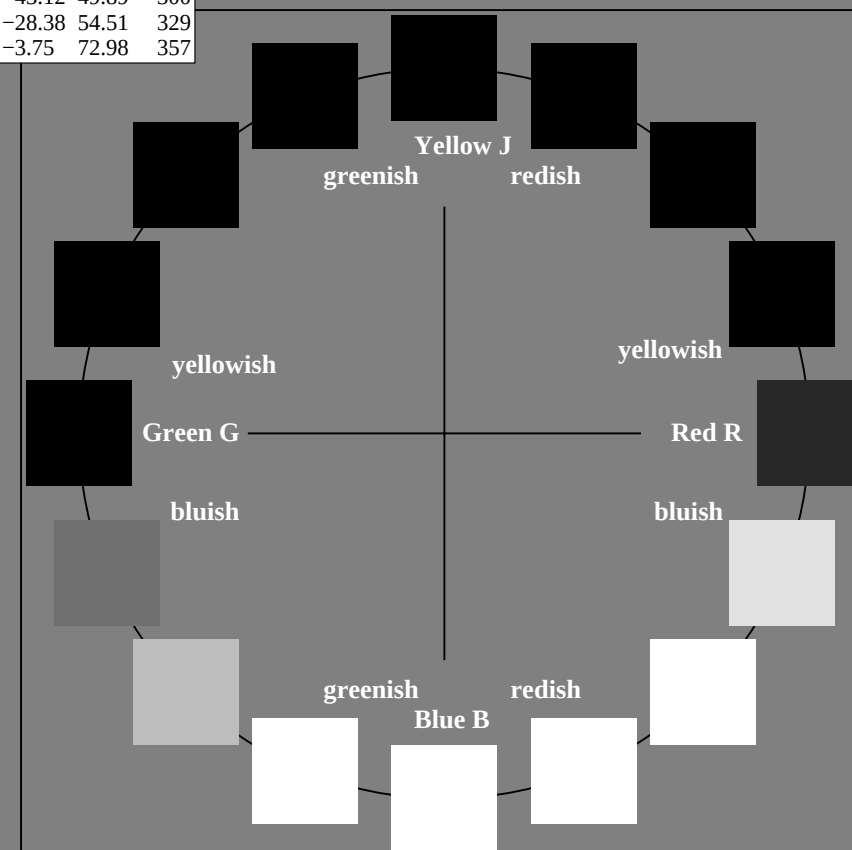
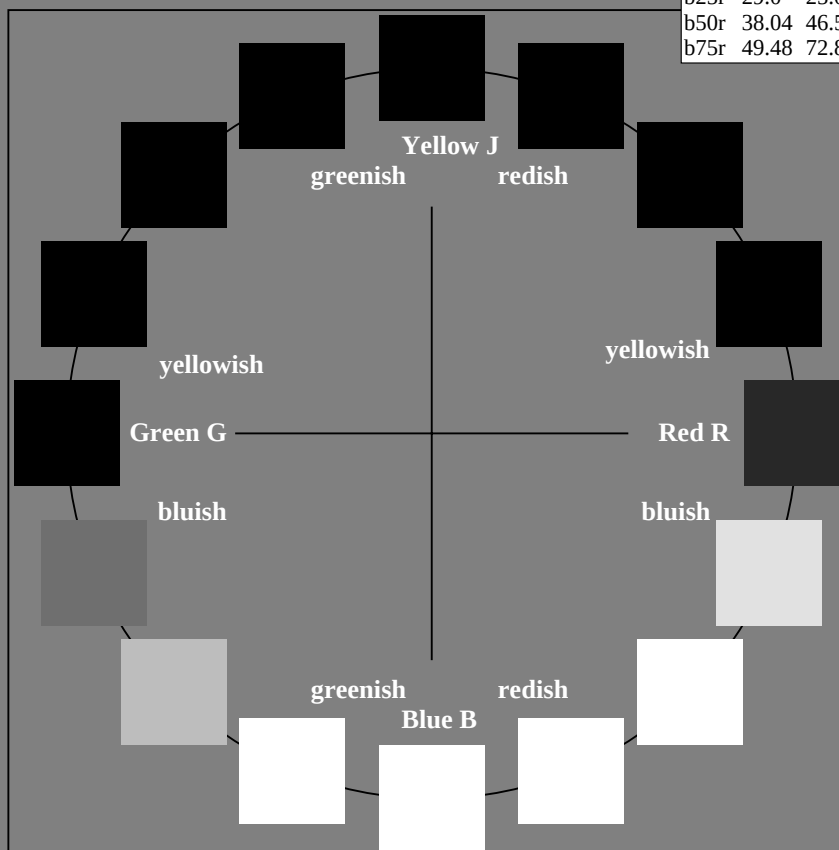
Input and output:  
Colorimetric Printer Reflective System ORS19\_96a  
data for any colour:  
*lab\**tch\** and lab\**icu\***  
elementary hue text:  
*u\** = 16 hues *r00j*, *r25j*, ..., *b75r*  
contrast reduction factor:  
 $c_R = 1.0$

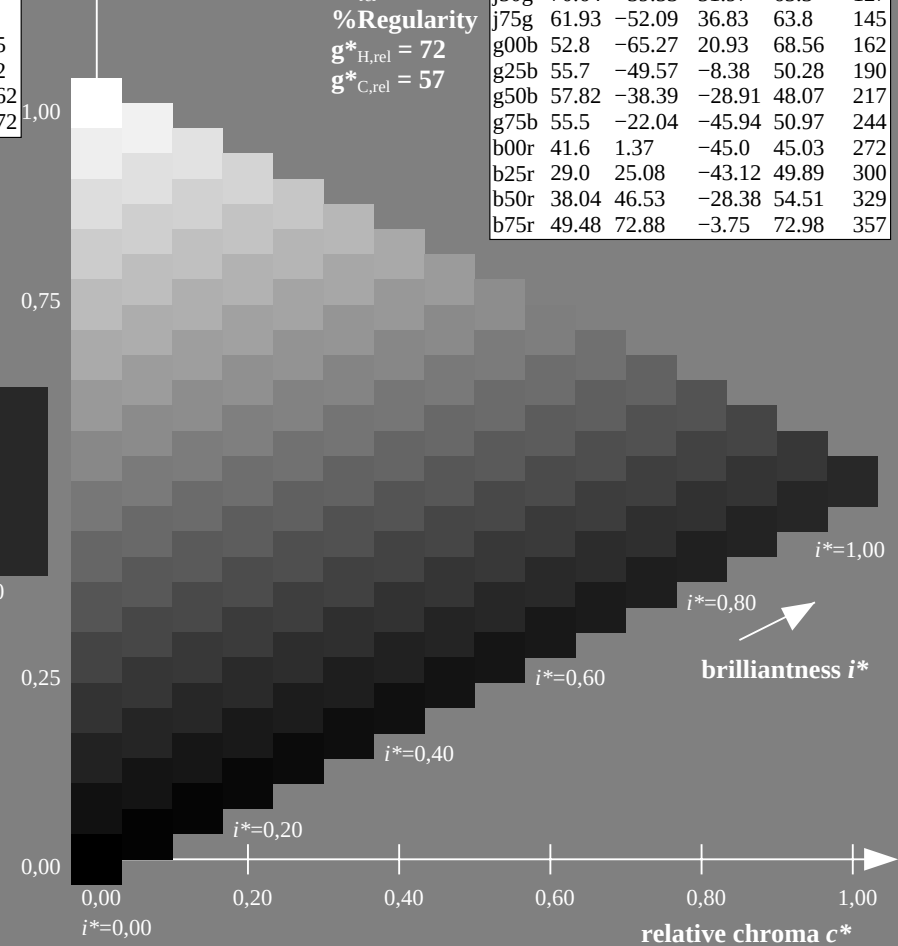
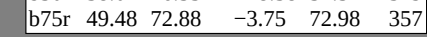
| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



%Gamut  
 $u^*_{rel} = 89$   
%Regularity  
 $g^*_{H,rel} = 72$   
 $g^*_{C,rel} = 57$

| ORS19_96a; adapted (a) CIELAB data |             |         |         |              |              |
|------------------------------------|-------------|---------|---------|--------------|--------------|
|                                    | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9        | 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  $t^*$ 

Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 42/360 = 0.117$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

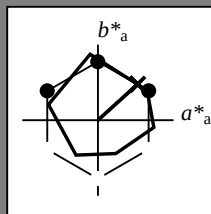
elementary hue text:

$u^* = r25j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|-------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 56 52 47

$LAB^*LCH^*_{Ma}$ : 56 71 42

$lab^*rgb^*_{Ma}$ : 1.0 0.25 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.17 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

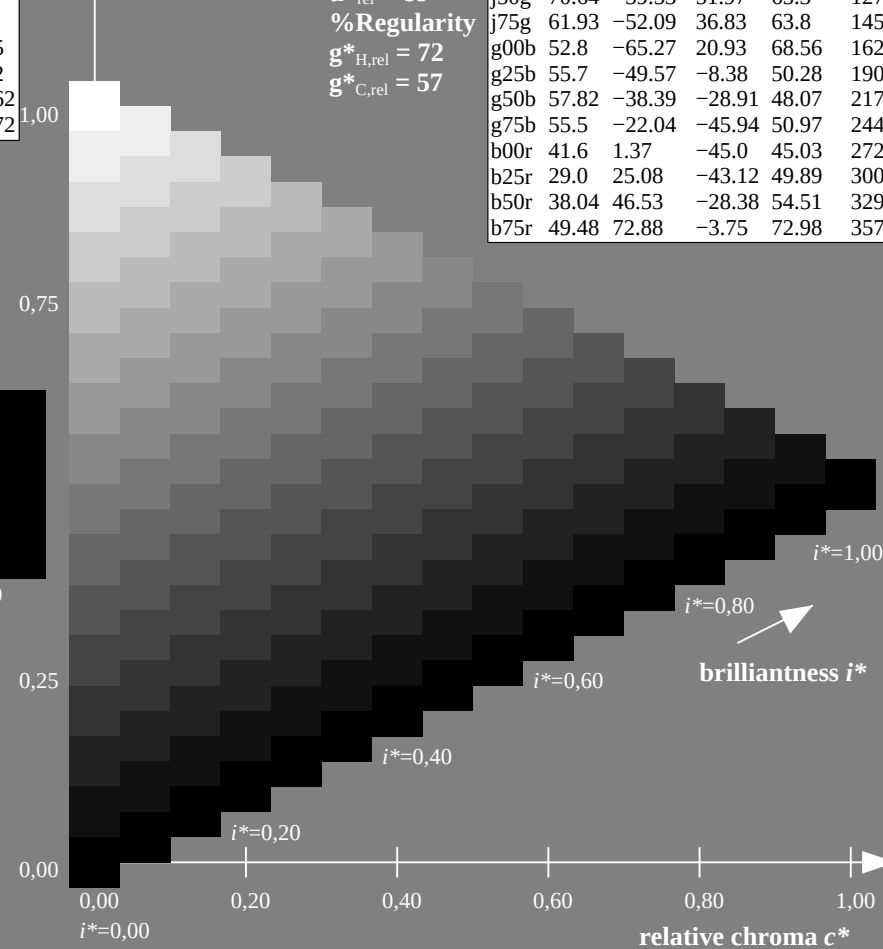
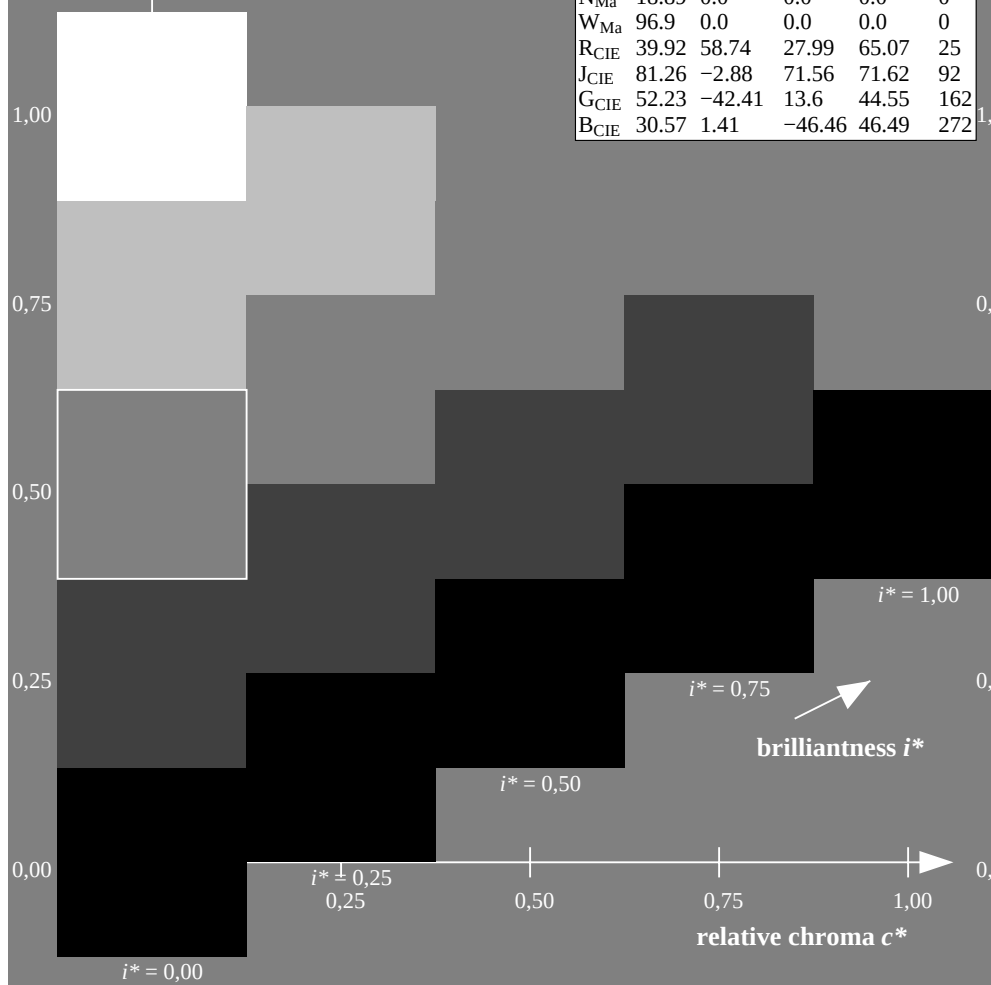
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|-------------------|---------|---------|--------------|--------------|
| r00j | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 59/360 = 0.164$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

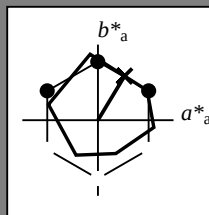
elementary hue text:

$u^* = r50j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 65 35 58

$LAB^*LCH^*_{Ma}$ : 65 68 59

$lab^*rgb^*_{Ma}$ : 1.0 0.5 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.4 0.0

triangle lightness  $t^*$

%Gamut

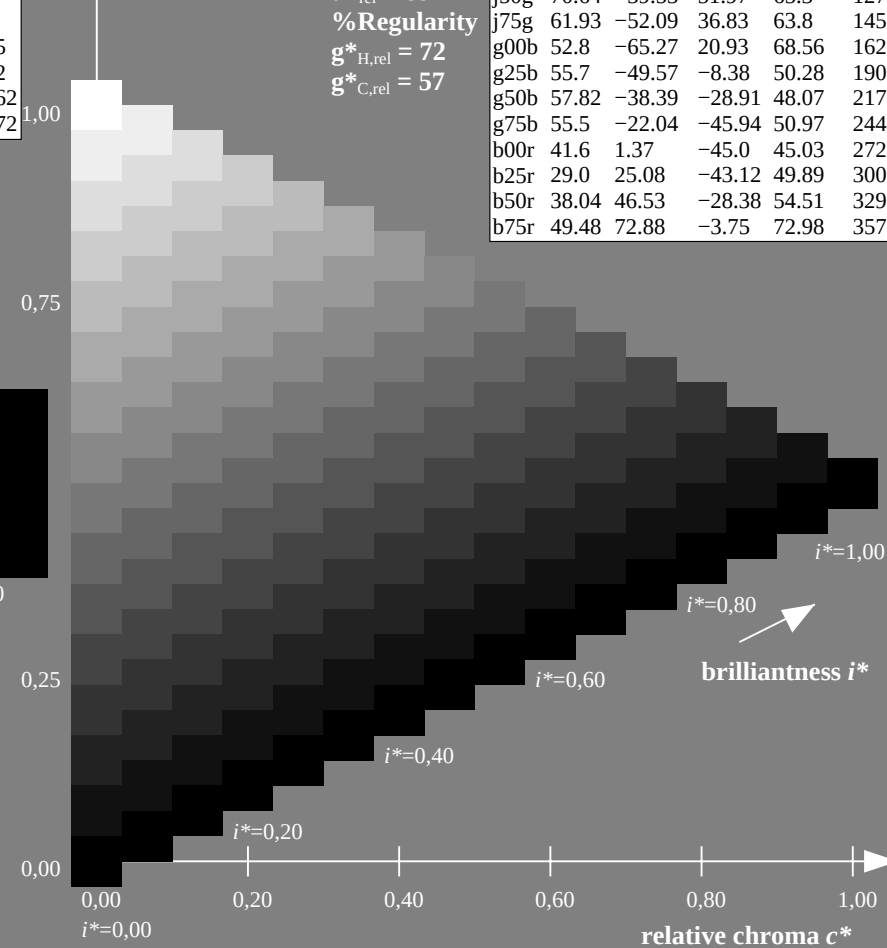
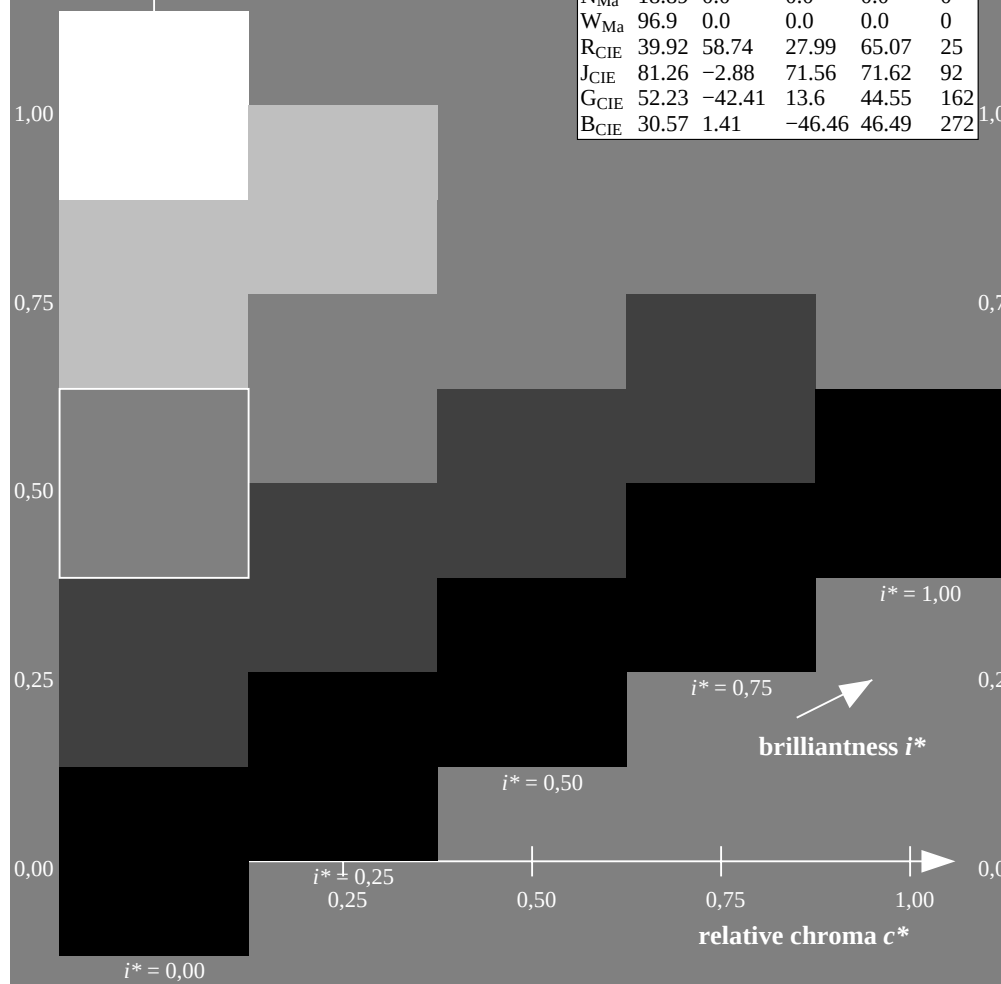
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 76/360 = 0.21$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

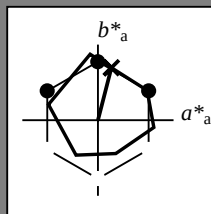
elementary hue text:

$u^* = r75j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 75 18 69

$LAB^*LCH^*_{Ma}$ : 75 72 76

$lab^*rgb^*_{Ma}$ : 1.0 0.75 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.63 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

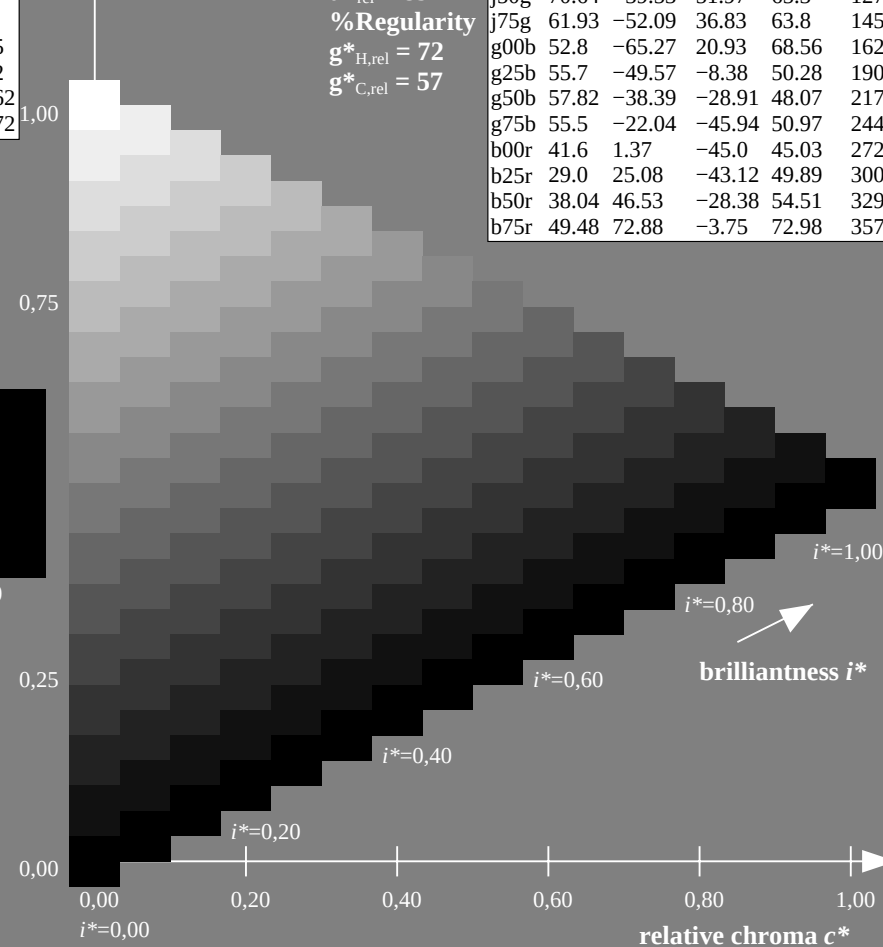
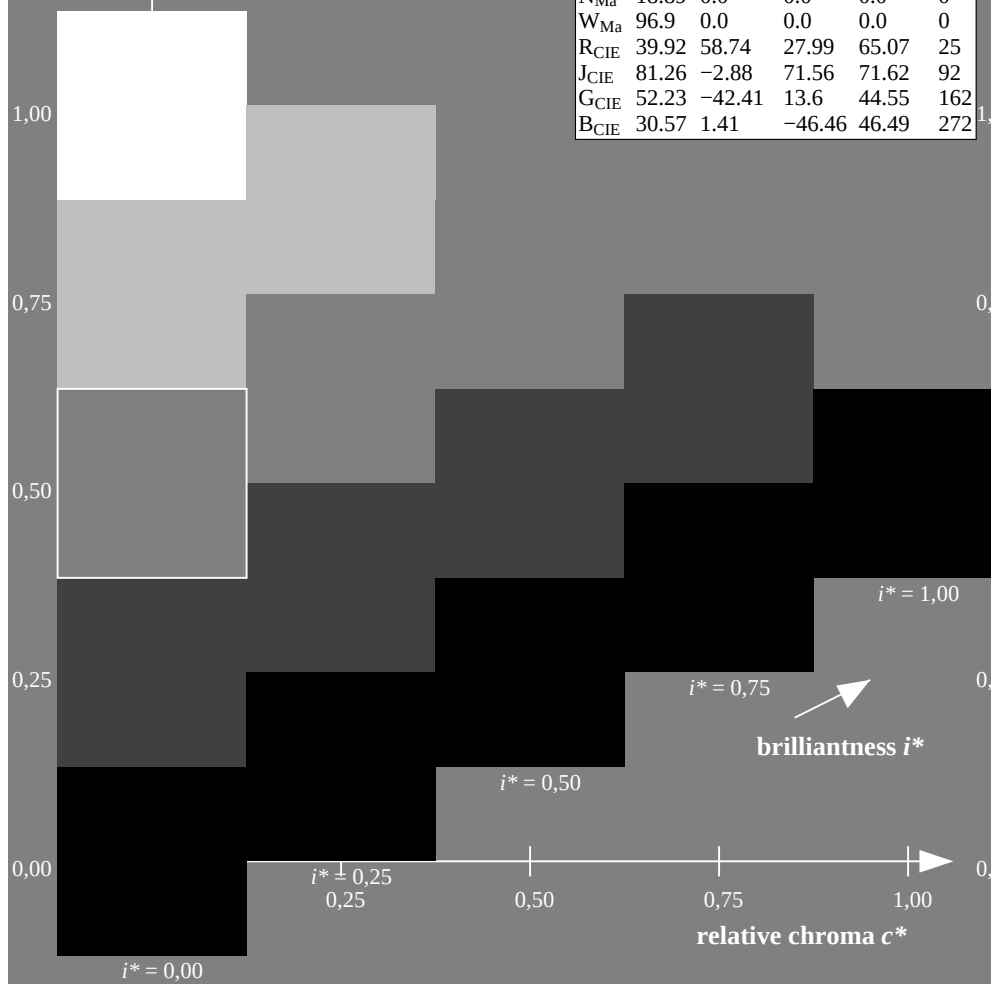
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 92/360 = 0.256$

data for any colour:

$lab^*ch^*$  and  $lab^*icu^*$

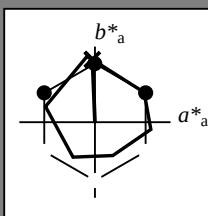
elementary hue text:

$u^* = j00g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 87 -2 83

$LAB^*LCH^*_{Ma}$ : 87 83 92

$lab^*rgb^*_{Ma}$ : 1.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 1.0 0.91 0.0

triangle lightness  $t^*$

%Gamut

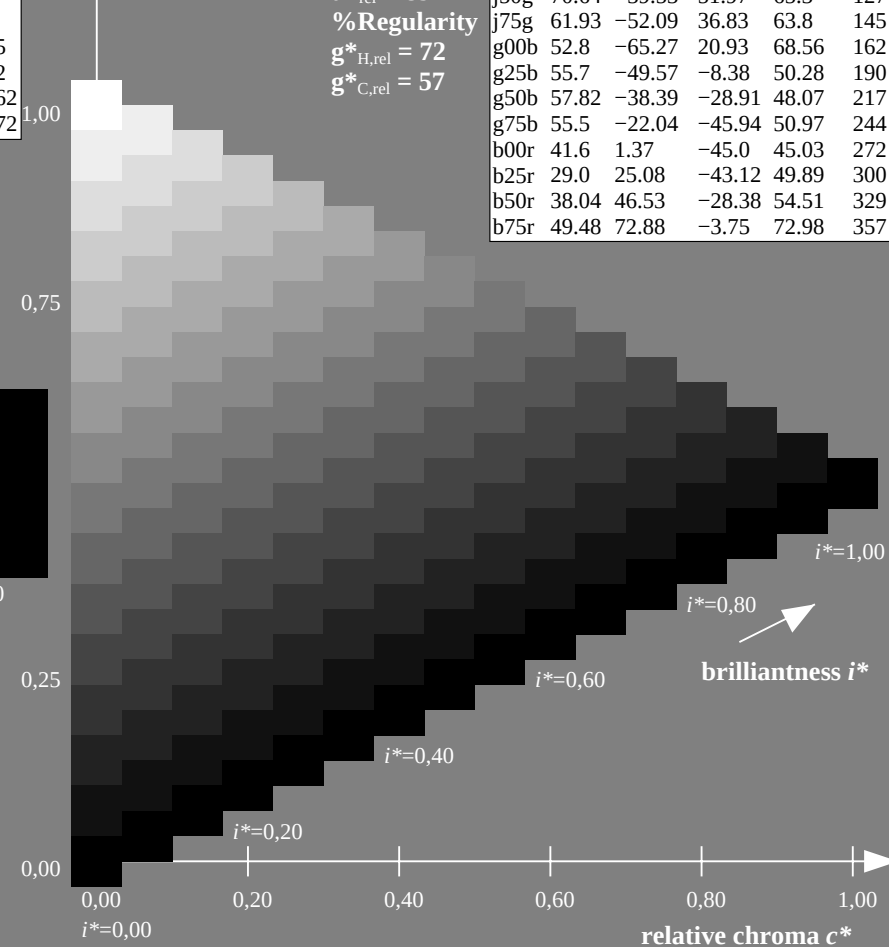
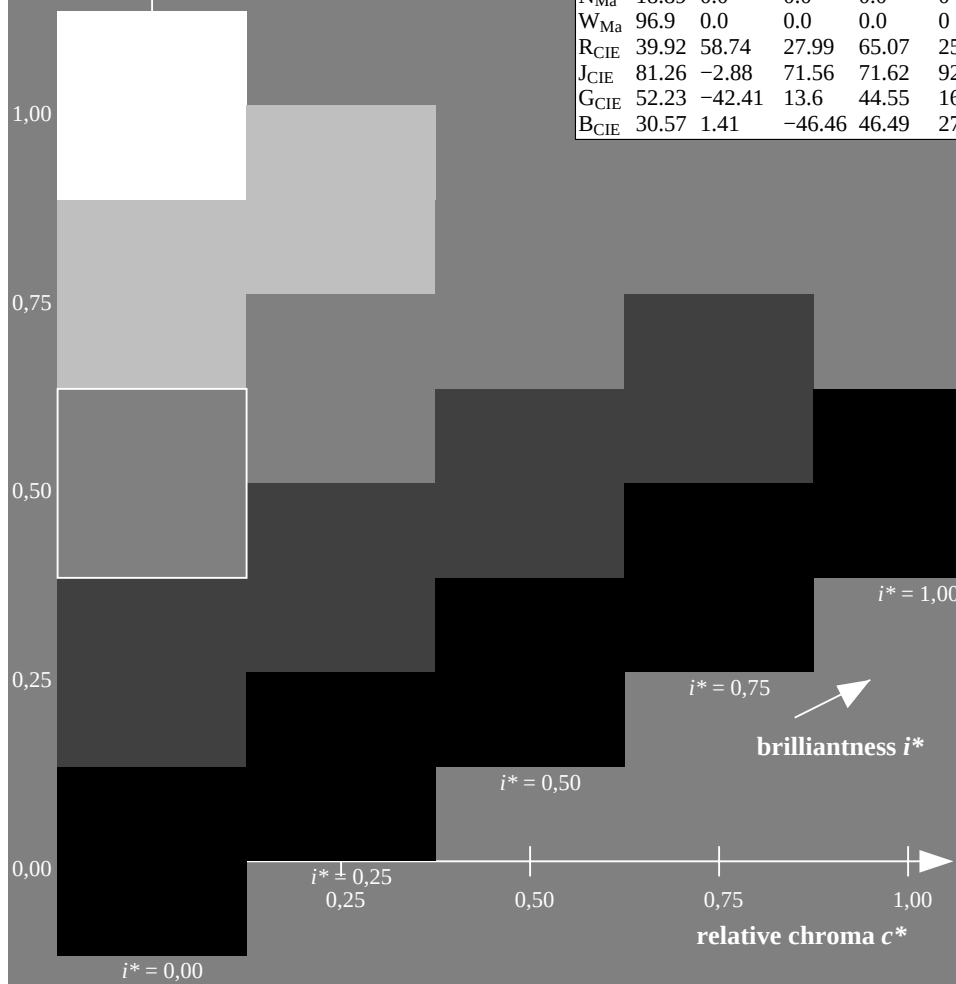
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 110/360 = 0.305$

data for any colour:

$lab^*ch^*$  and  $lab^*icu^*$

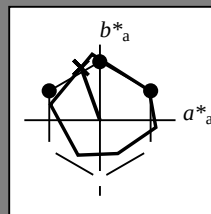
elementary hue text:

$u^* = j25g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------------------|---------------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 81 -24 69

$LAB^*LCH^*_{Ma}$ : 81 74 110

$lab^*rgb^*_{Ma}$ : 0.75 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.73 1.0 0.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

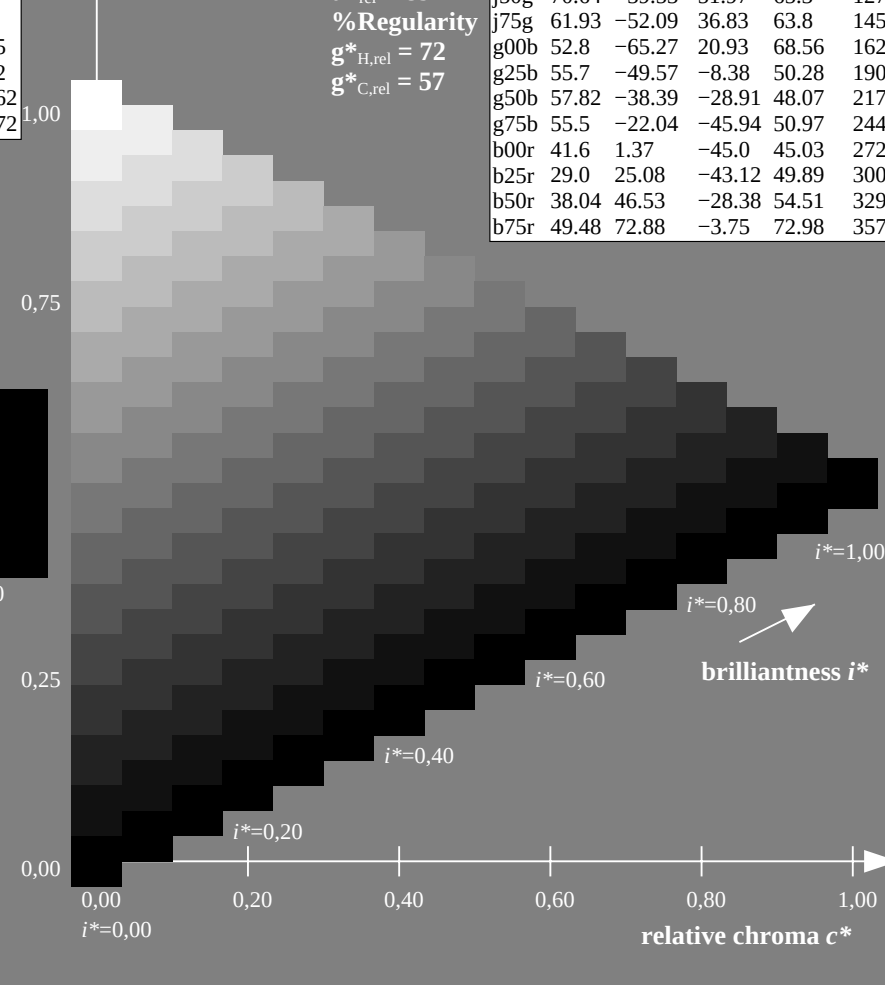
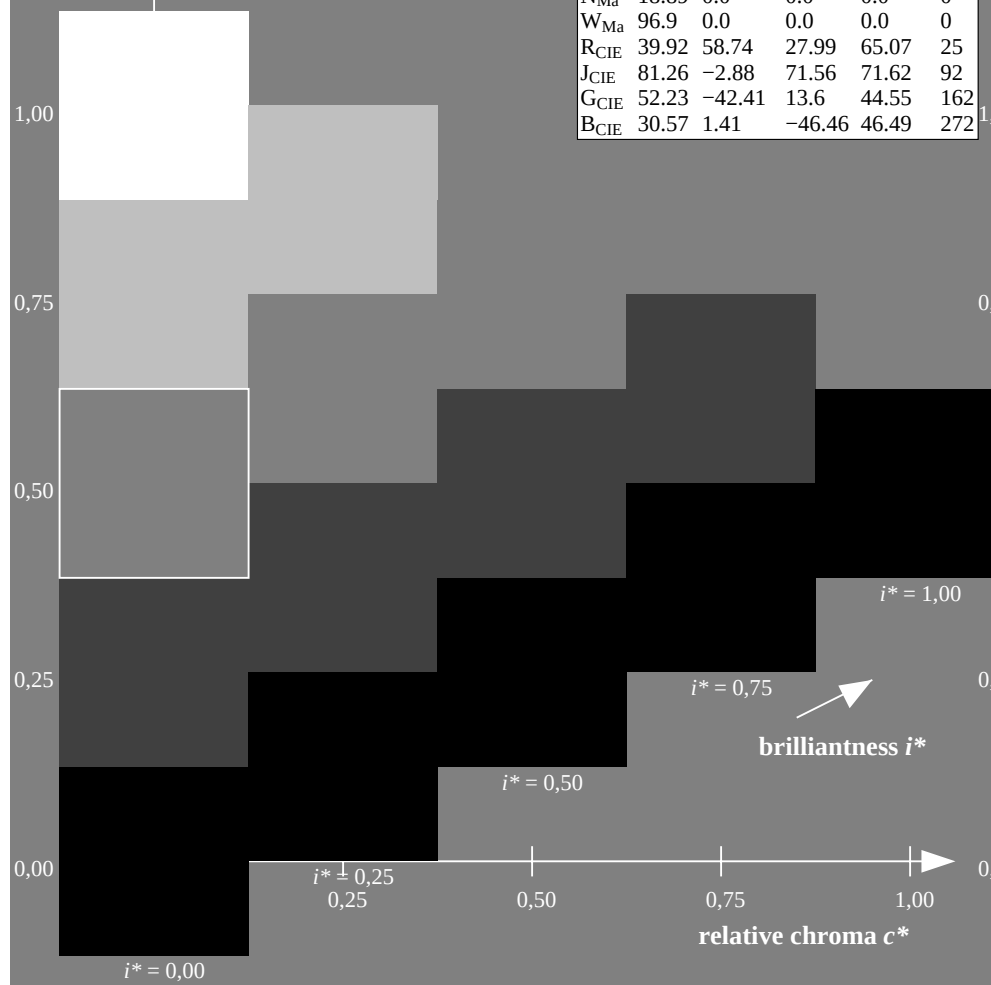
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
|------|---------------------|---------|---------|--------------|--------------|
| r00j | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 127/360 = 0.354$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

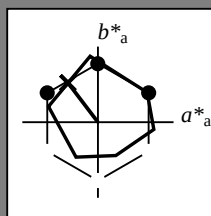
elementary hue text:

$u^* = j50g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 71 -39 52

$LAB^*LCH^*_{Ma}$ : 71 65 127

$lab^*rgb^*_{Ma}$ : 0.5 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.47 1.0 0.0

triangle lightness  $t^*$

%Gamut

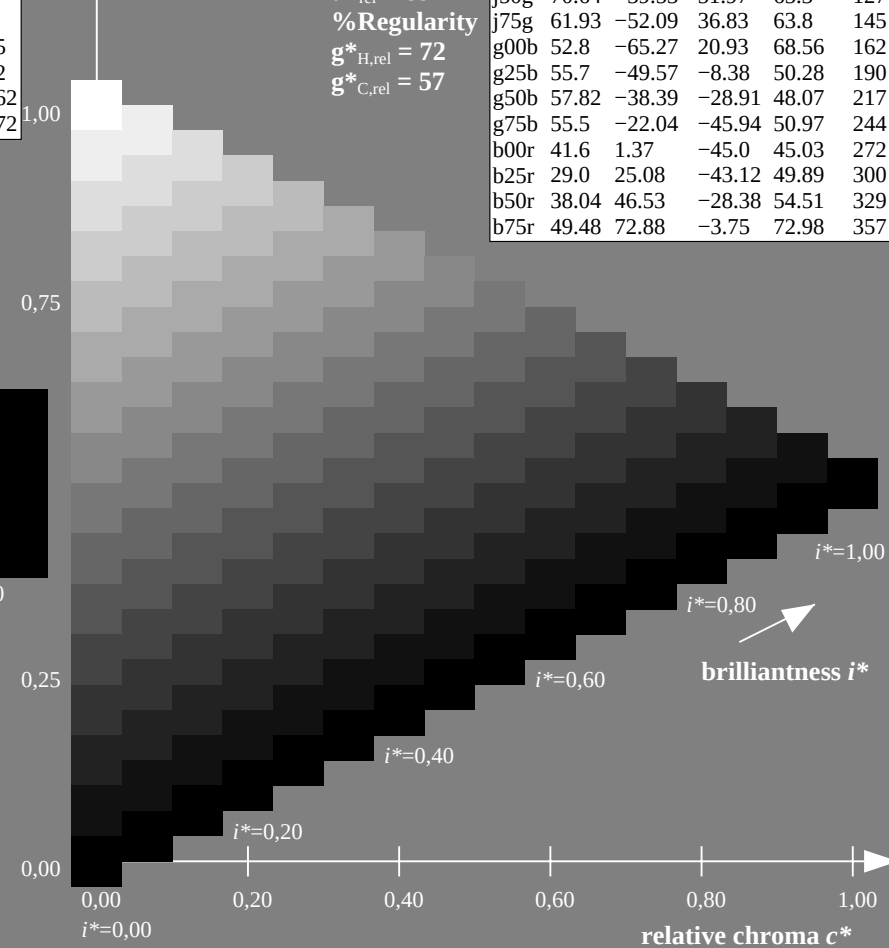
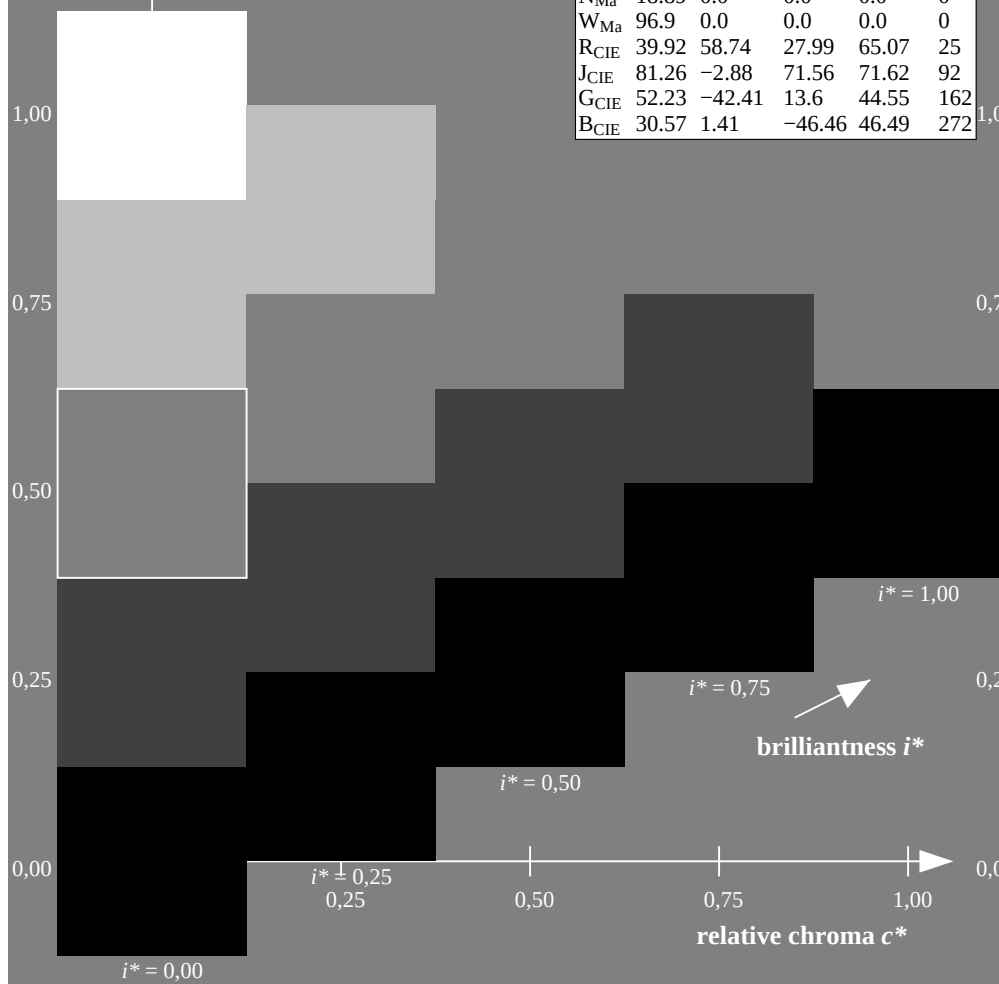
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 145/360 = 0.402$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

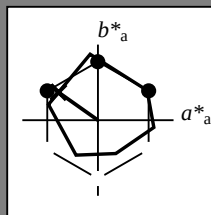
elementary hue text:

$u^* = j75g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 62 -51 37

$LAB^*LCH^*_{Ma}$ : 62 64 145

$lab^*rgb^*_{Ma}$ : 0.25 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.24 1.0 0.0

triangle lightness  $t^*$

%Gamut

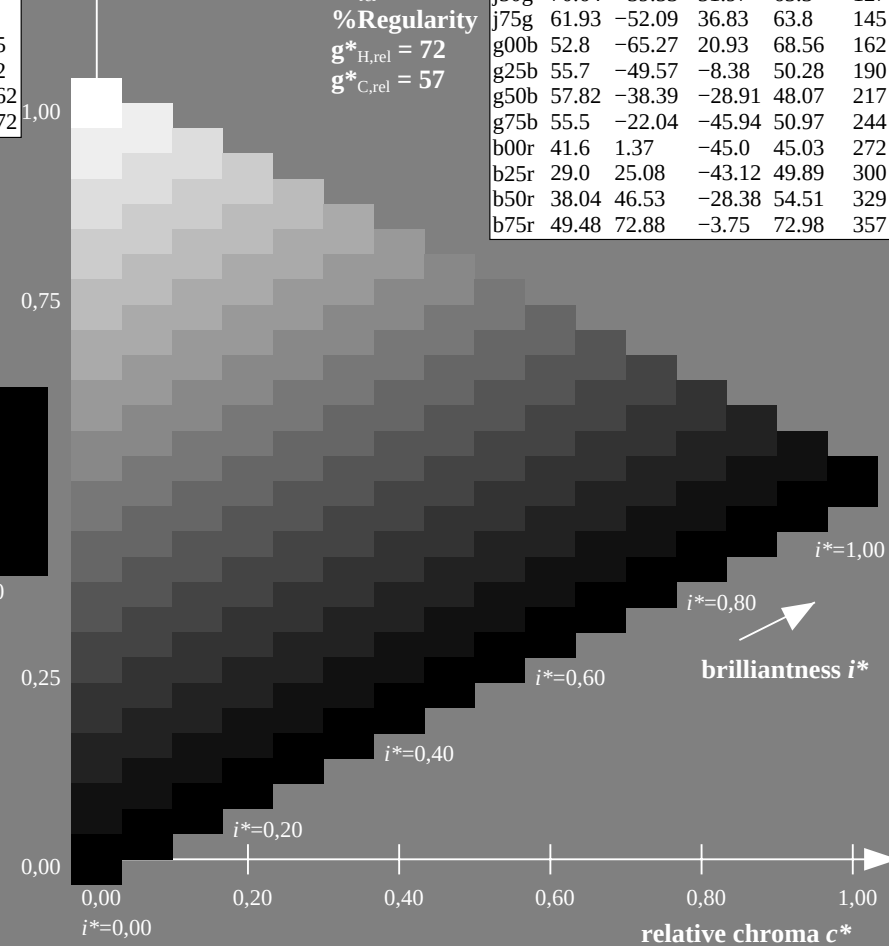
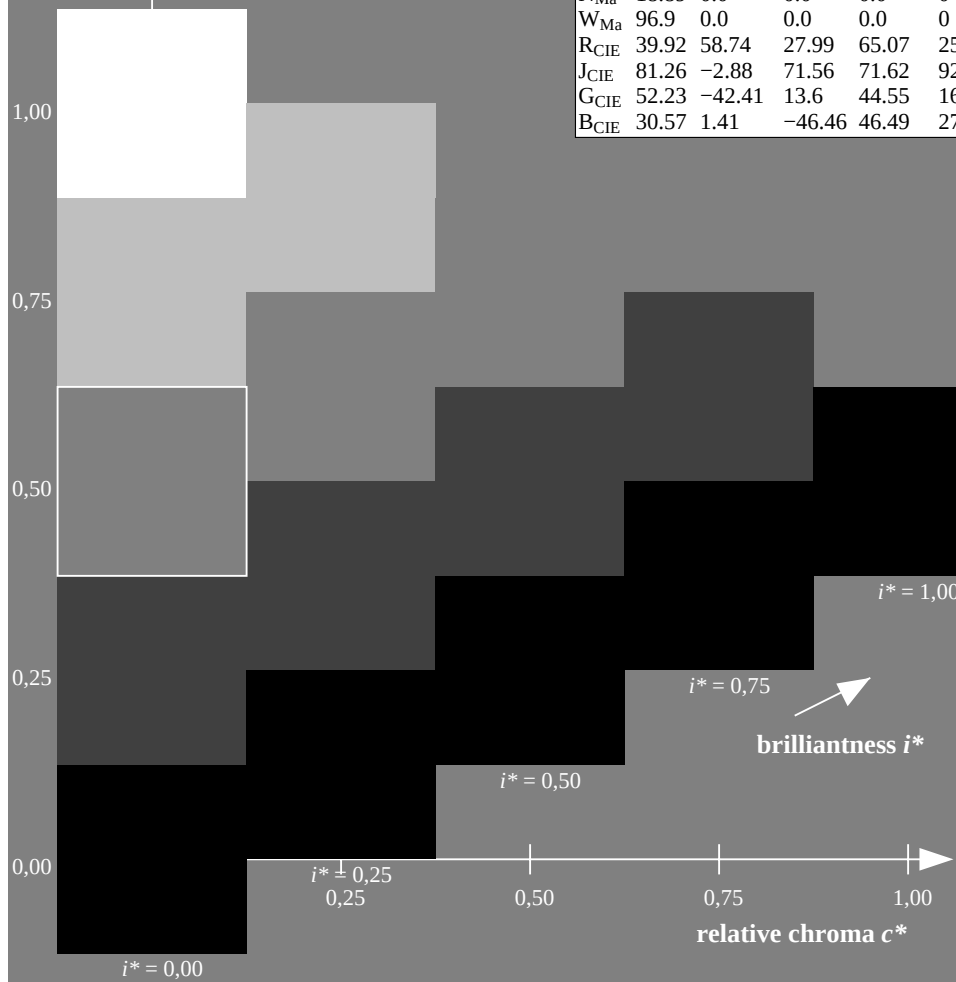
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 162/360 = 0.451$

data for any colour:

$lab^*ch^*$  and  $lab^*icu^*$

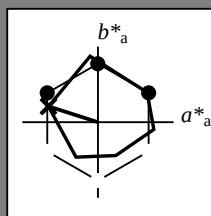
elementary hue text:

$u^* = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 53 -64 21

$LAB^*LCH^*_{Ma}$ : 53 69 162

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.0

triangle lightness  $t^*$

%Gamut

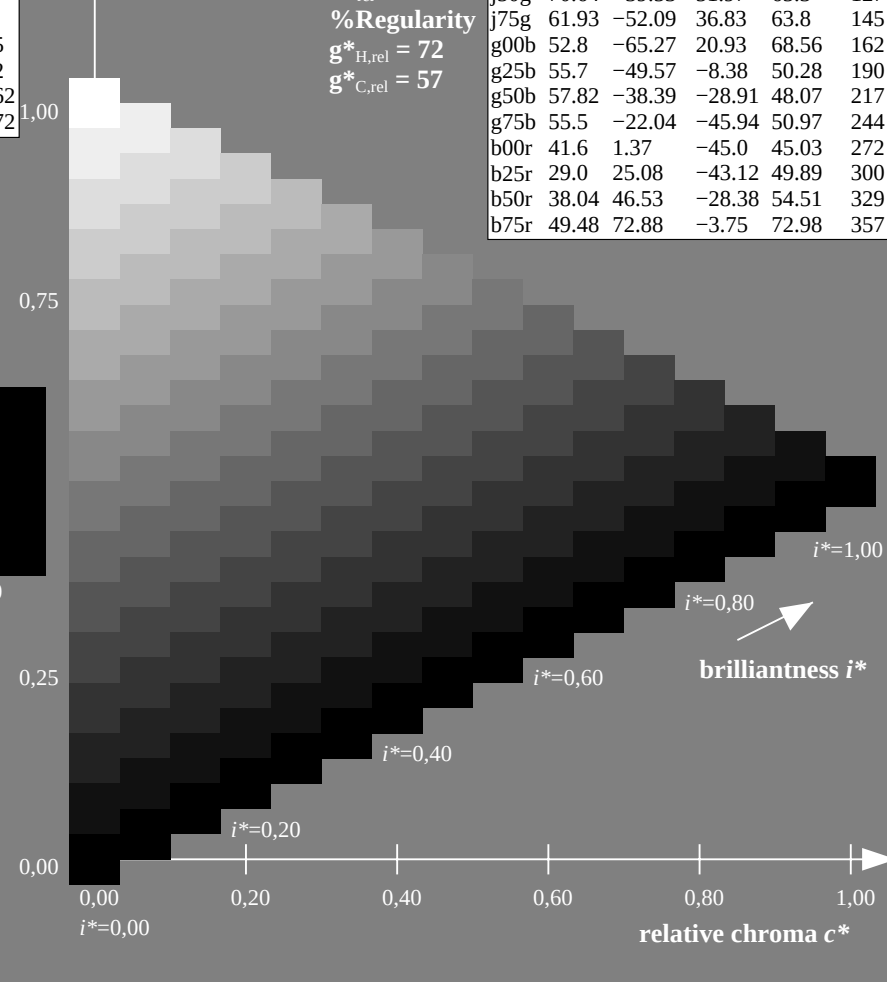
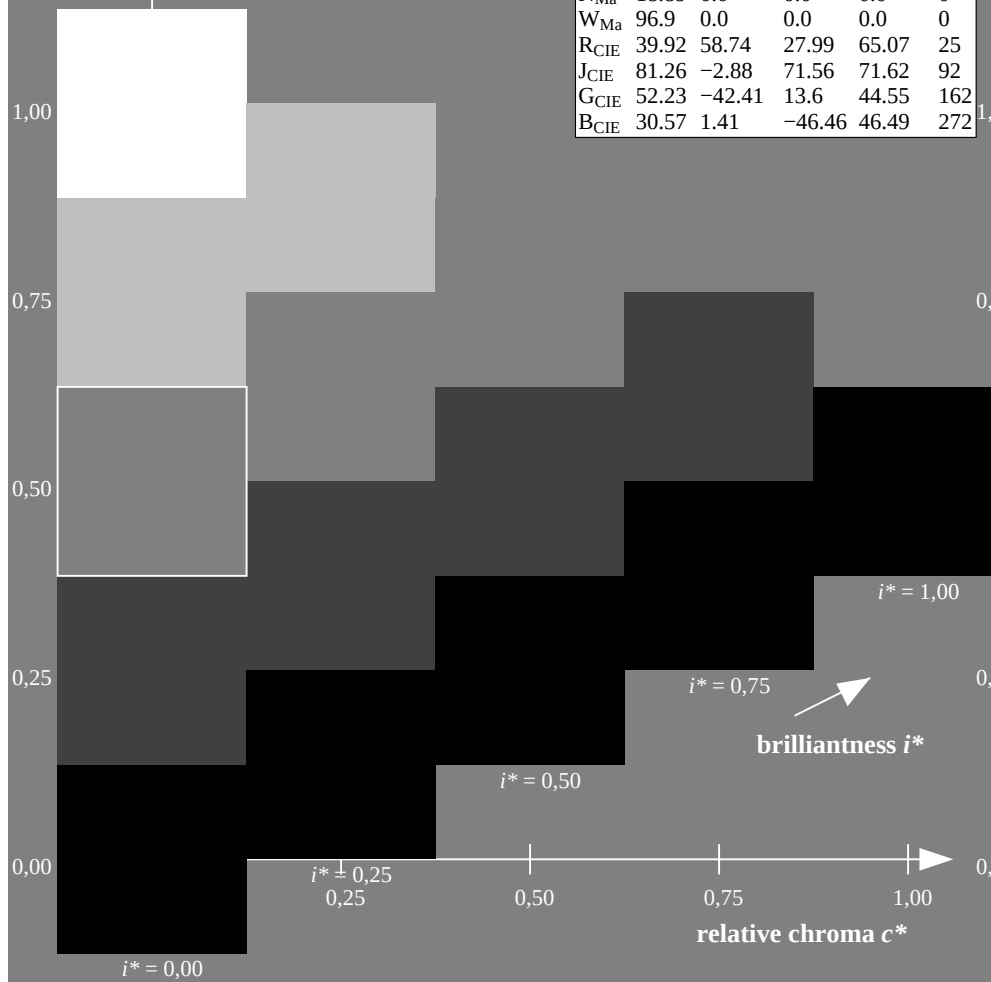
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 190/360 = 0.527$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

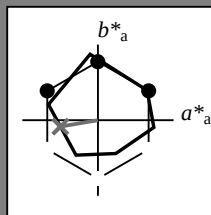
elementary hue text:

$u^* = g25b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 56 -49 -7

$LAB^*LCH^*_{Ma}$ : 56 50 190

$lab^*rgb^*_{Ma}$ : 0.0 1.0 0.5

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.44

triangle lightness  $t^*$

%Gamut

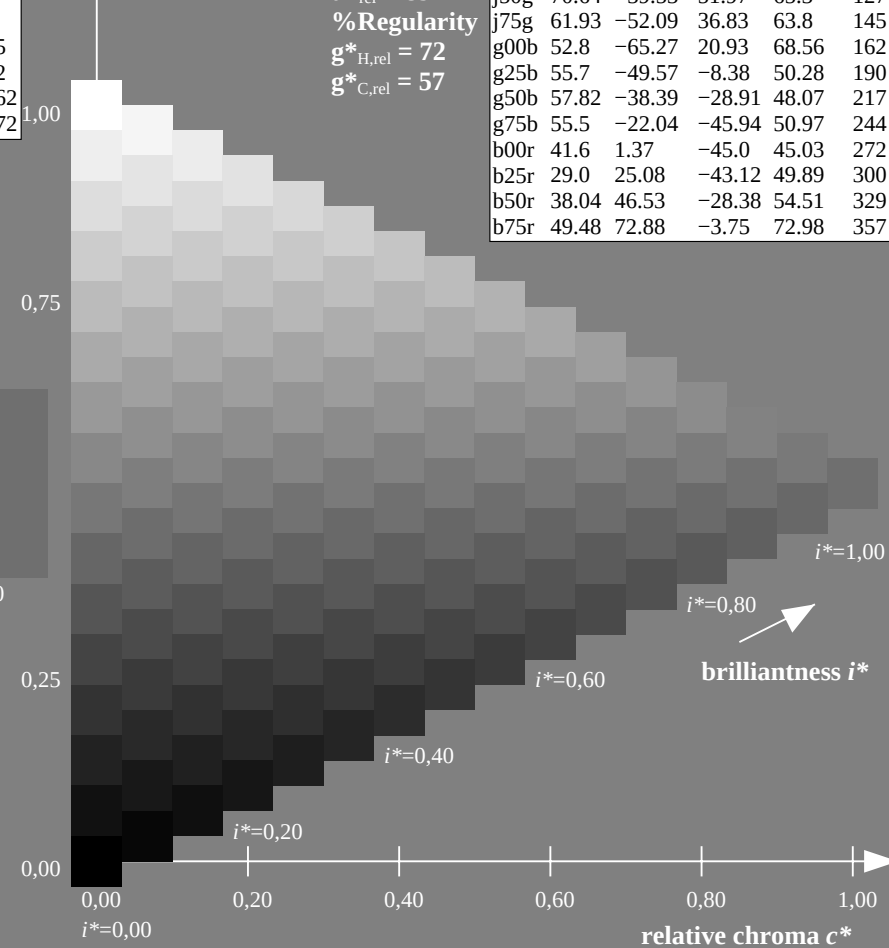
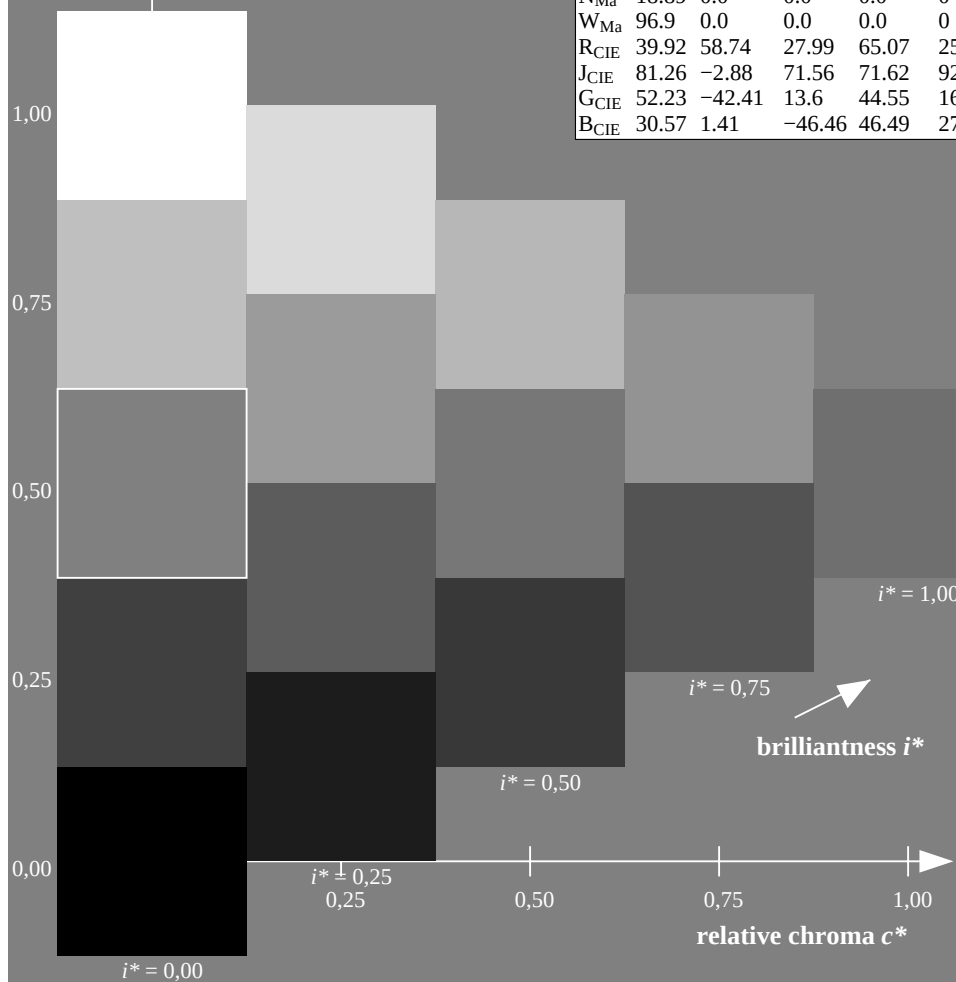
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |





Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 217/360 = 0.603$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

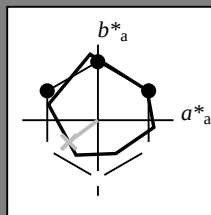
elementary hue text:

$u^* = g50b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| O <sub>Ma</sub>                    | 48.75             | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92             | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69             | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61             | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39             | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58             | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89             | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9              | 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):

$LAB^*LAB^*_{Ma}$ : 58 -37 -28

$LAB^*LCH^*_{Ma}$ : 58 48 217

$lab^*rgb^*_{Ma}$ : 0.0 1.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 1.0 0.74

triangle lightness  $t^*$

%Gamut

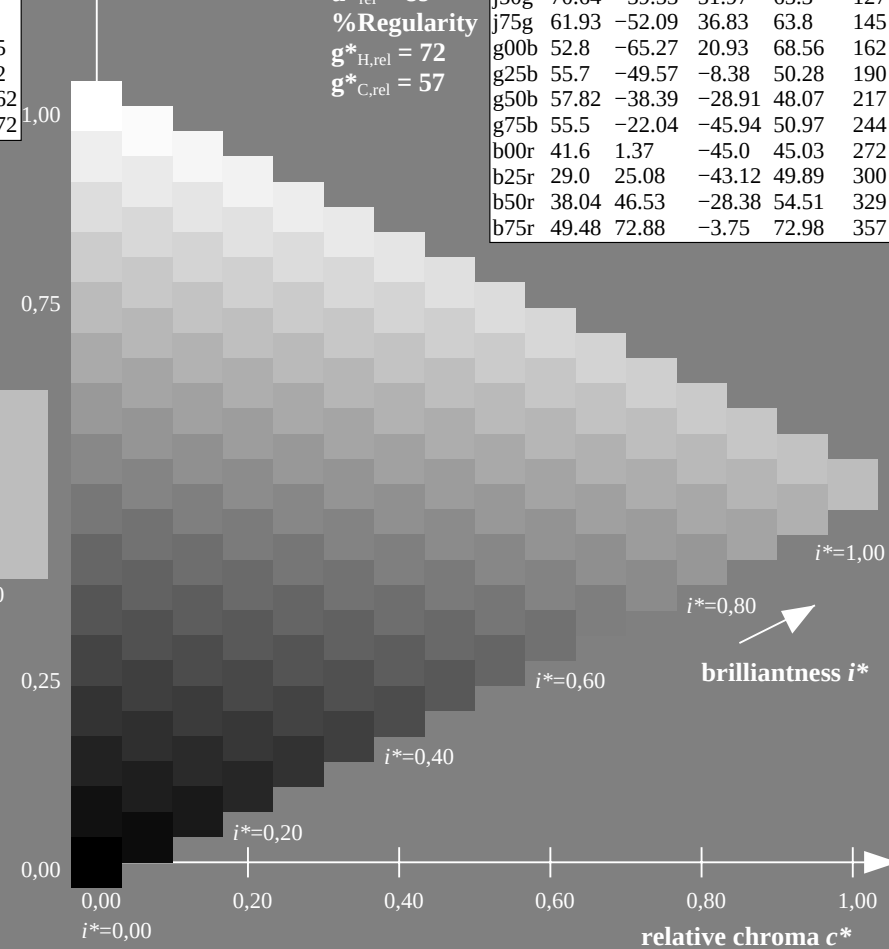
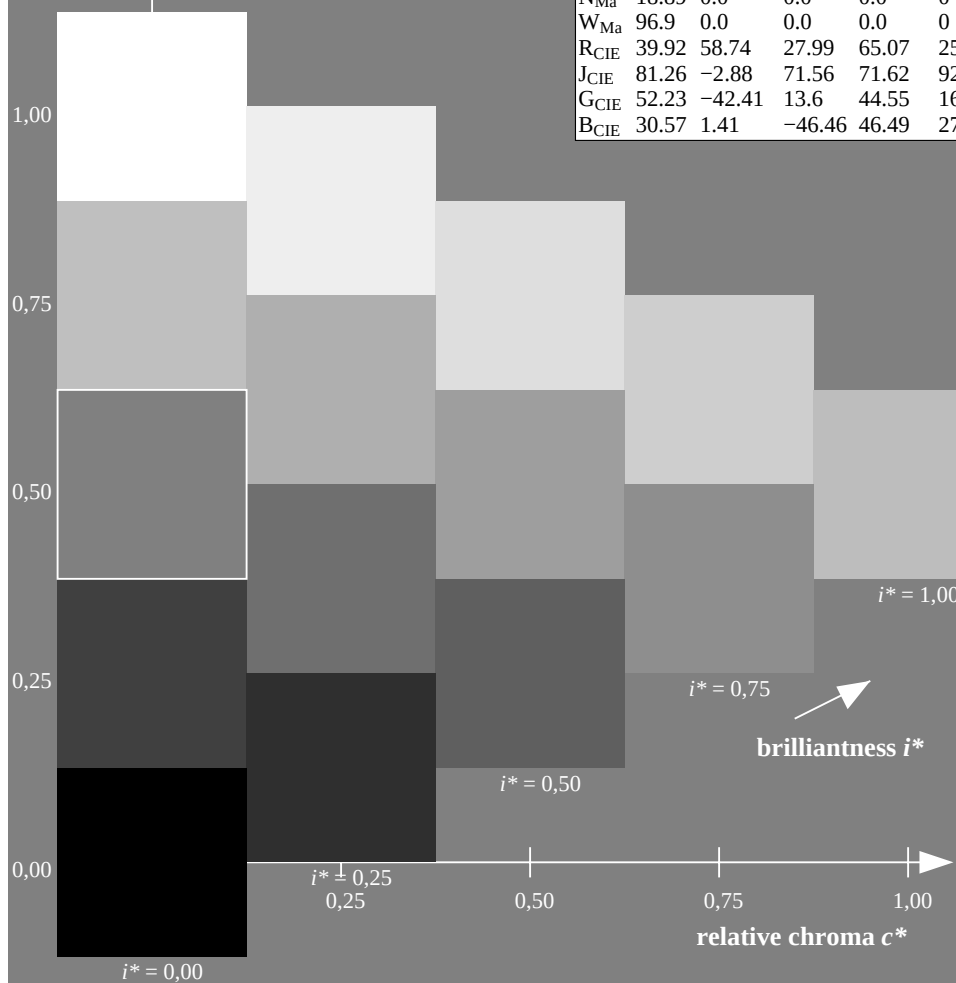
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                   |         |         |              |              |
|------------------------------------|-------------------|---------|---------|--------------|--------------|
|                                    | $L^*=\bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| r00j                               | 48.88             | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85             | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45             | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19             | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03             | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72             | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64             | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93             | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8              | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7              | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82             | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5              | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6              | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0              | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04             | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48             | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 244/360 = 0.679$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

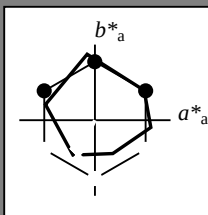
elementary hue text:

$u^* = g75b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 55 -21 -45

$LAB^*LCH^*_{Ma}$ : 55 51 244

$lab^*rgb^*_{Ma}$ : 0.0 0.5 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.87 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

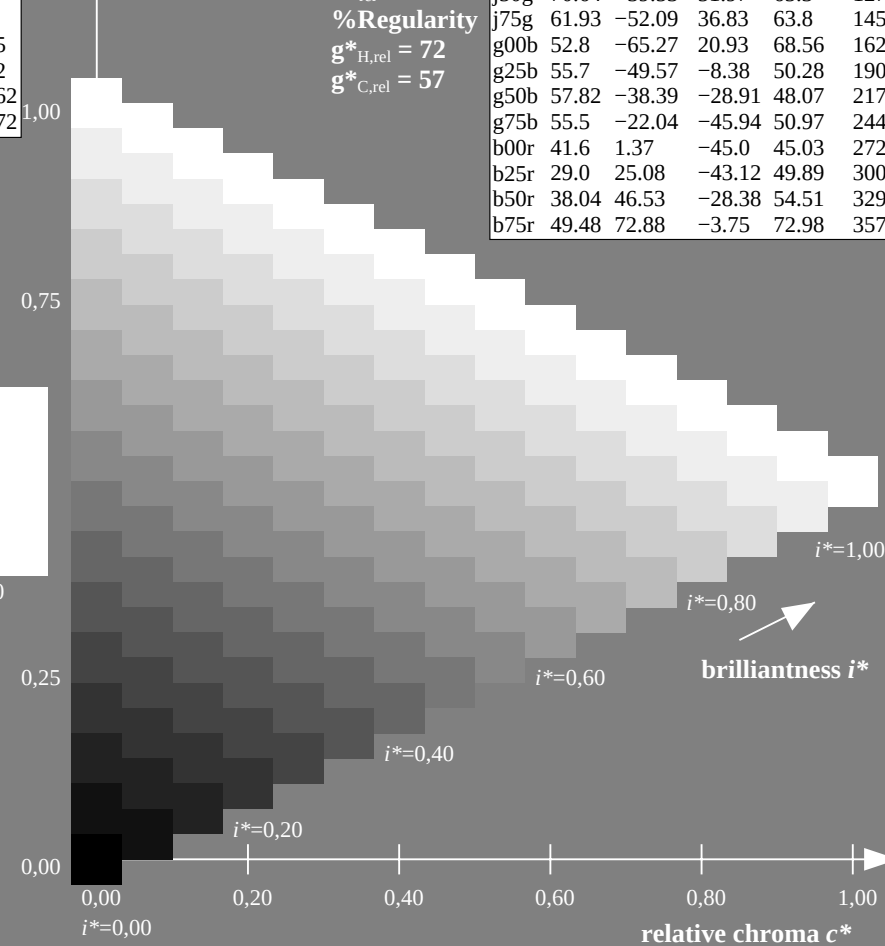
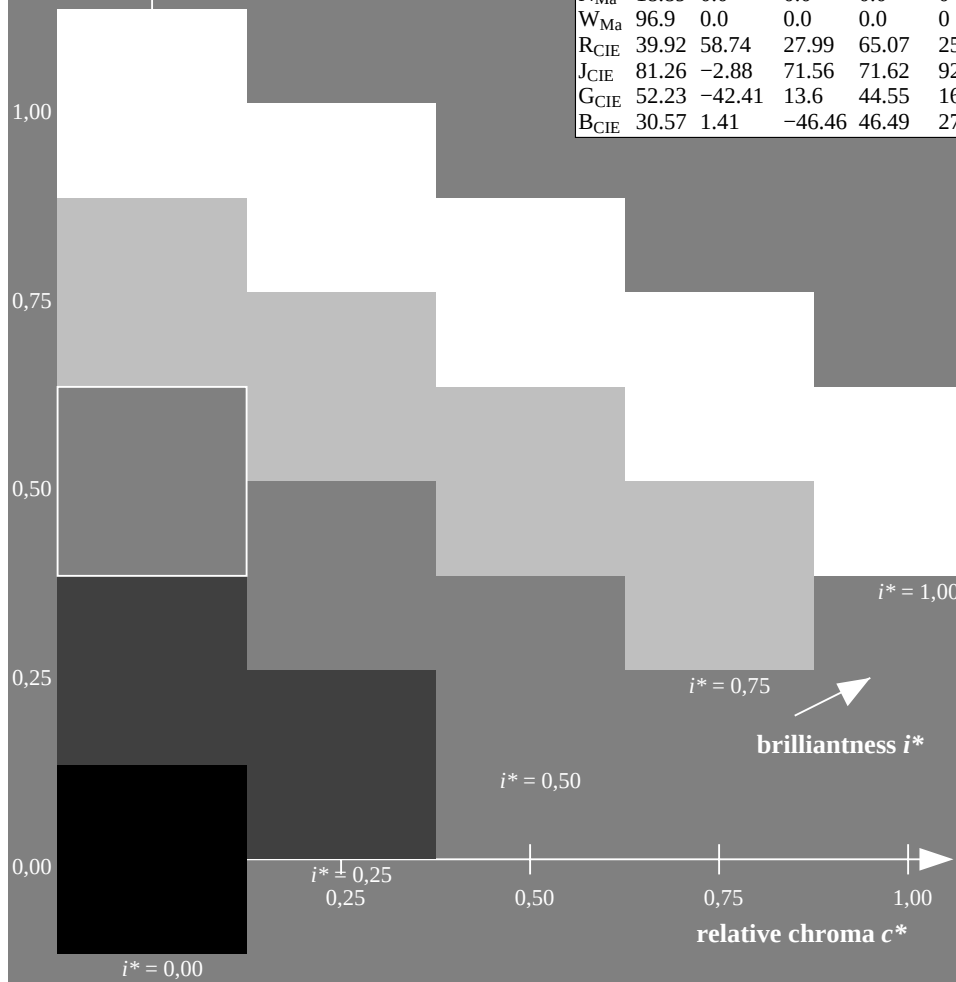
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 272/360 = 0.755$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

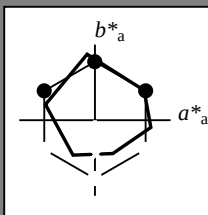
elementary hue text:

$u^* = b00r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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):

$LAB^*LAB^*_{Ma}$ : 42 1 -44

$LAB^*LCH^*_{Ma}$ : 42 45 272

$lab^*rgb^*_{Ma}$ : 0.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.0 0.42 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

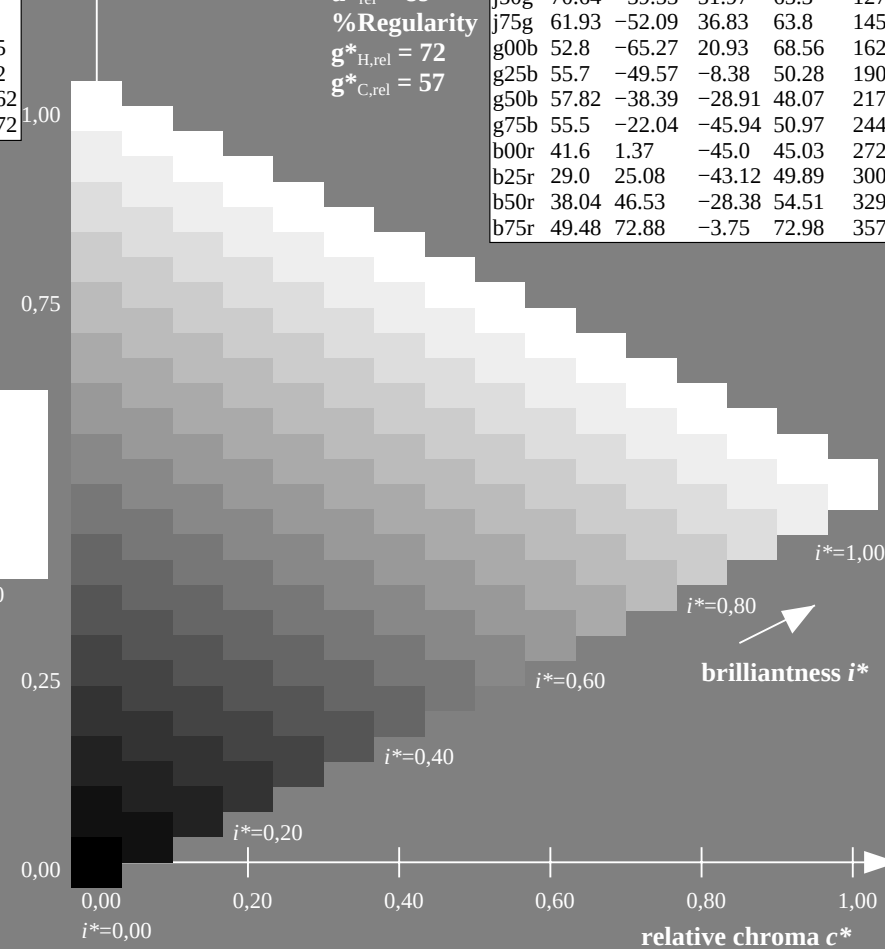
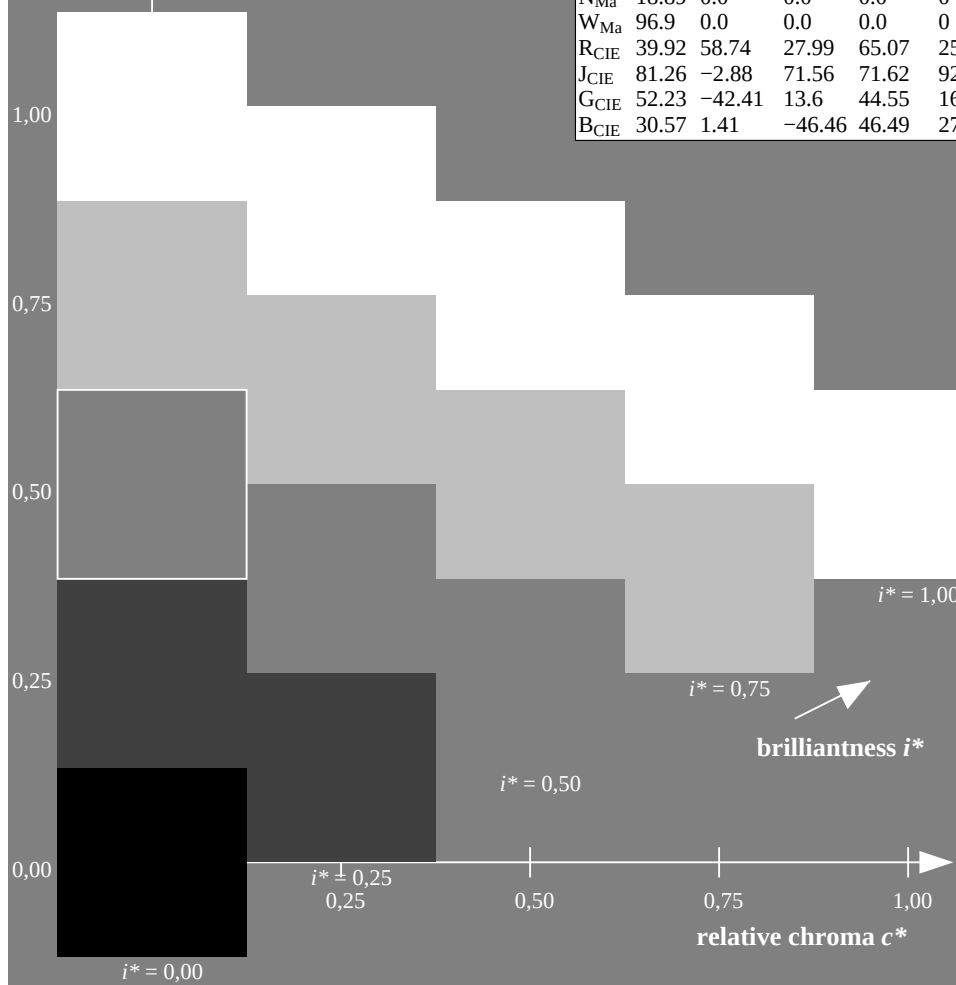
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 300/360 = 0.834$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

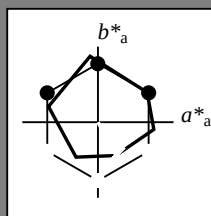
elementary hue text:

$u^* = b25r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75       | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92       | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69       | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61       | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39       | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58       | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9        | 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):

$LAB^*LAB^*_{Ma}$ : 29 25 -42

$LAB^*LCH^*_{Ma}$ : 29 50 300

$lab^*rgb^*_{Ma}$ : 0.5 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.03 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

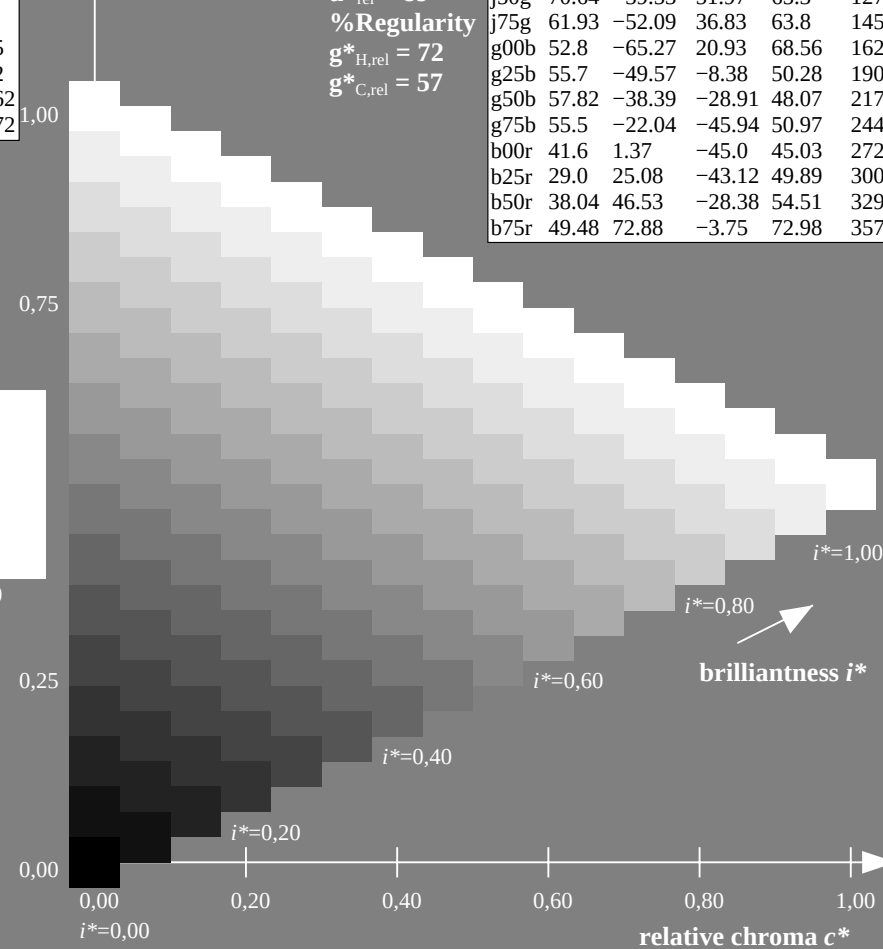
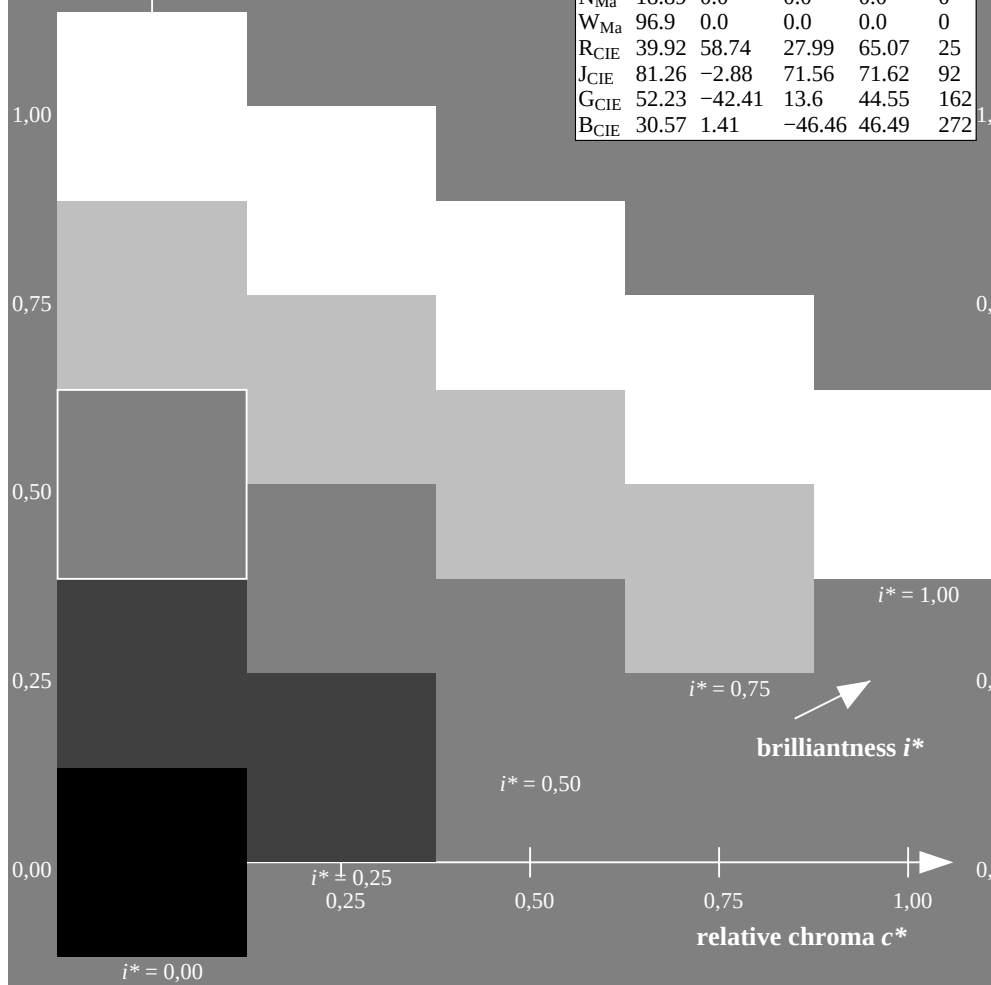
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| r00j | 48.88       | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85       | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45       | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19       | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03       | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72       | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64       | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93       | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8        | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7        | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82       | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5        | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6        | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0        | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04       | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48       | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 329/360 = 0.913$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

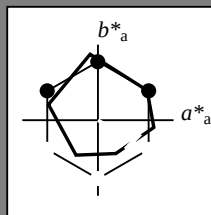
elementary hue text:

$u^* = b50r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



ORS19\_96a; adapted (a) CIELAB data

|                  | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|---------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>  | 48.75         | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>  | 90.92         | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>  | 52.69         | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>  | 59.61         | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>  | 28.39         | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>  | 49.58         | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>  | 18.89         | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>  | 96.9          | 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 47 -27

$LAB^*LCH^*_{Ma}$ : 38 55 329

$lab^*rgb^*_{Ma}$ : 1.0 0.0 1.0

$lab^*olv^*_{Ma}$ : 0.46 0.0 1.0

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 89$

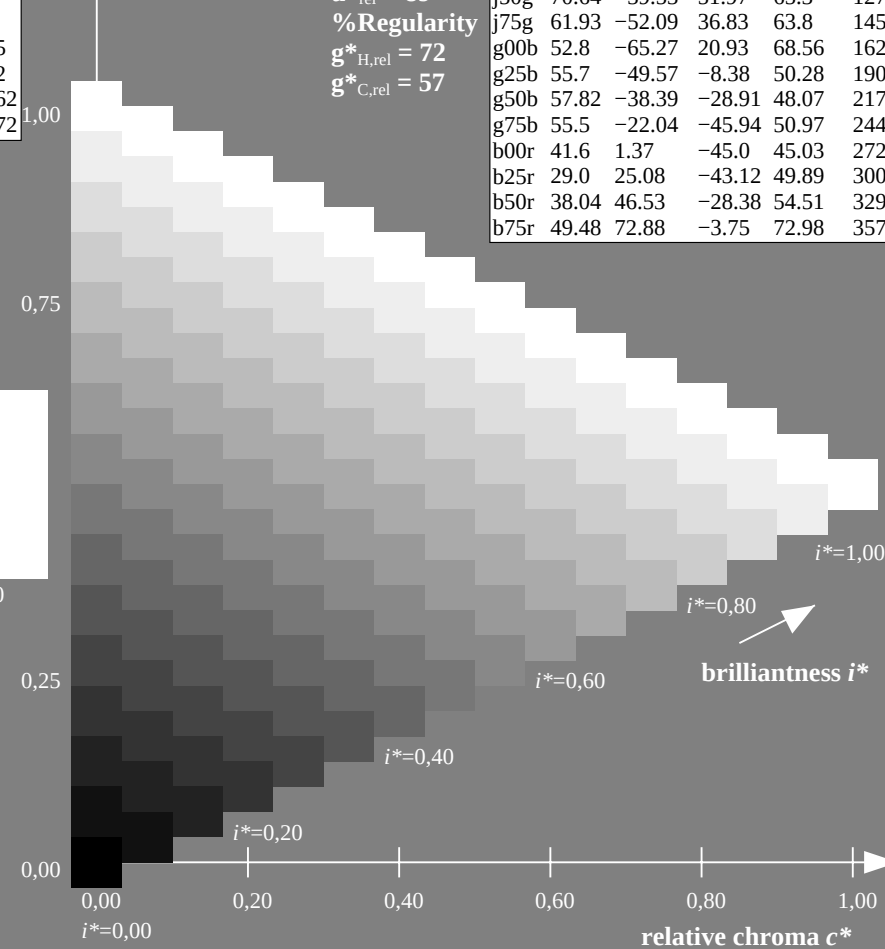
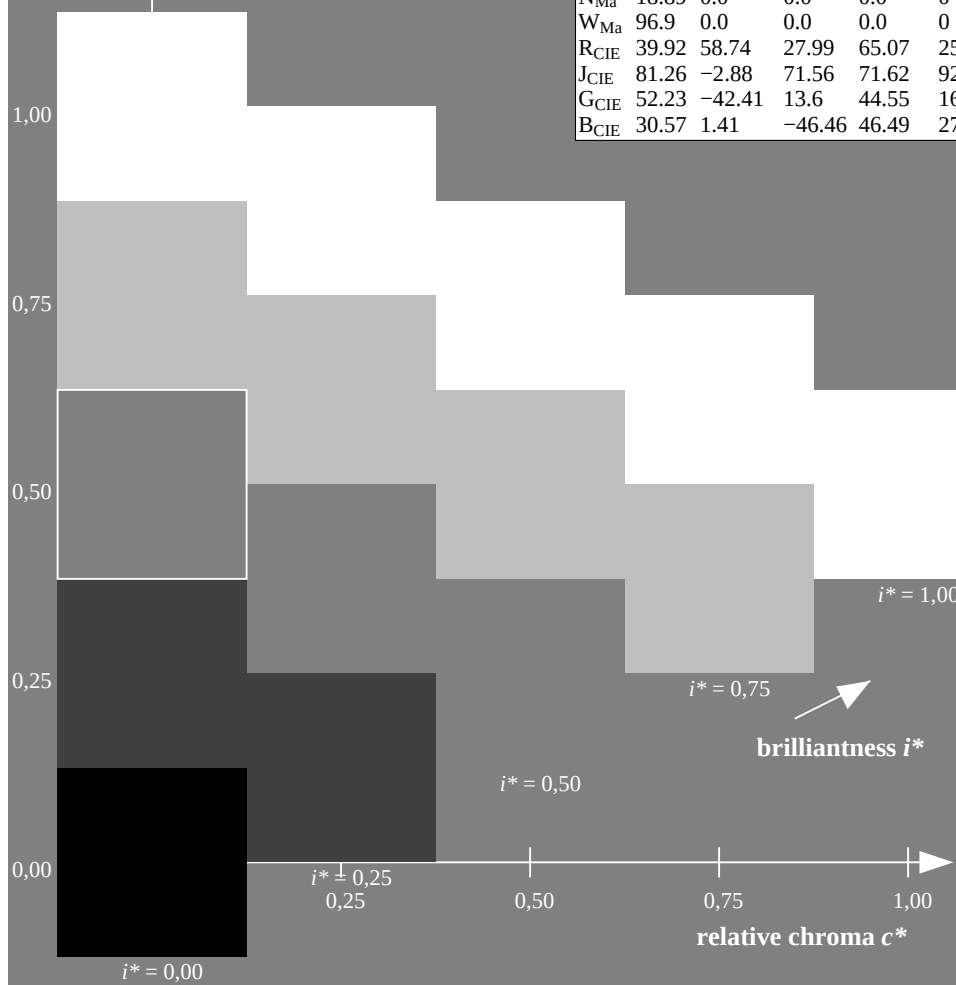
%Regularity

$g^*_{H,rel} = 72$

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

ORS19\_96a; adapted (a) CIELAB data

|      | $L^* = L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|---------------|---------|---------|--------------|--------------|
| r00j | 48.88         | 66.47   | 31.67   | 73.63        | 25           |
| r25j | 55.85         | 52.39   | 47.48   | 70.7         | 42           |
| r50j | 65.45         | 35.22   | 58.37   | 68.17        | 59           |
| r75j | 75.19         | 17.82   | 69.41   | 71.66        | 76           |
| j00g | 87.03         | -3.34   | 82.83   | 82.9         | 92           |
| j25g | 80.72         | -25.0   | 69.5    | 73.86        | 110          |
| j50g | 70.64         | -39.53  | 51.97   | 65.3         | 127          |
| j75g | 61.93         | -52.09  | 36.83   | 63.8         | 145          |
| g00b | 52.8          | -65.27  | 20.93   | 68.56        | 162          |
| g25b | 55.7          | -49.57  | -8.38   | 50.28        | 190          |
| g50b | 57.82         | -38.39  | -28.91  | 48.07        | 217          |
| g75b | 55.5          | -22.04  | -45.94  | 50.97        | 244          |
| b00r | 41.6          | 1.37    | -45.0   | 45.03        | 272          |
| b25r | 29.0          | 25.08   | -43.12  | 49.89        | 300          |
| b50r | 38.04         | 46.53   | -28.38  | 54.51        | 329          |
| b75r | 49.48         | 72.88   | -3.75   | 72.98        | 357          |



Input and output: Colorimetric Printer Reflective System ORS19\_96a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 357/360 = 0.992$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

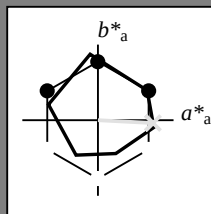
elementary hue text:

$u^* = b75r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness  $t^*$



| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| O <sub>Ma</sub>                    | 48.75               | 65.07   | 39.43   | 76.08        | 31           |
| Y <sub>Ma</sub>                    | 90.92               | -10.28  | 87.24   | 87.85        | 97           |
| L <sub>Ma</sub>                    | 52.69               | -65.43  | 20.75   | 68.65        | 162          |
| C <sub>Ma</sub>                    | 59.61               | -28.97  | -46.21  | 54.56        | 238          |
| V <sub>Ma</sub>                    | 28.39               | 23.63   | -44.12  | 50.06        | 298          |
| M <sub>Ma</sub>                    | 49.58               | 73.93   | -9.55   | 74.55        | 353          |
| N <sub>Ma</sub>                    | 18.89               | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub>                    | 96.9                | 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):

$LAB^*LAB^*_{Ma}$ : 49 73 -3

$LAB^*LCH^*_{Ma}$ : 49 73 357

$lab^*rgb^*_{Ma}$ : 1.0 0.0 0.5

$lab^*olv^*_{Ma}$ : 1.0 0.0 0.88

triangle lightness  $t^*$

%Gamut

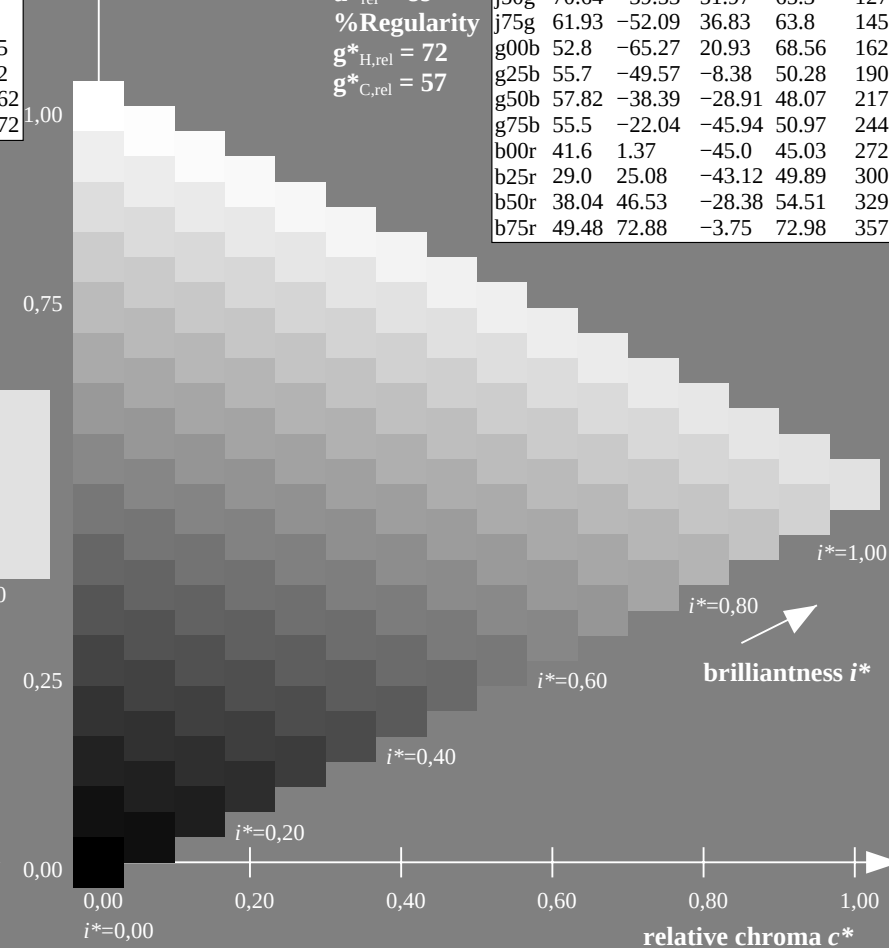
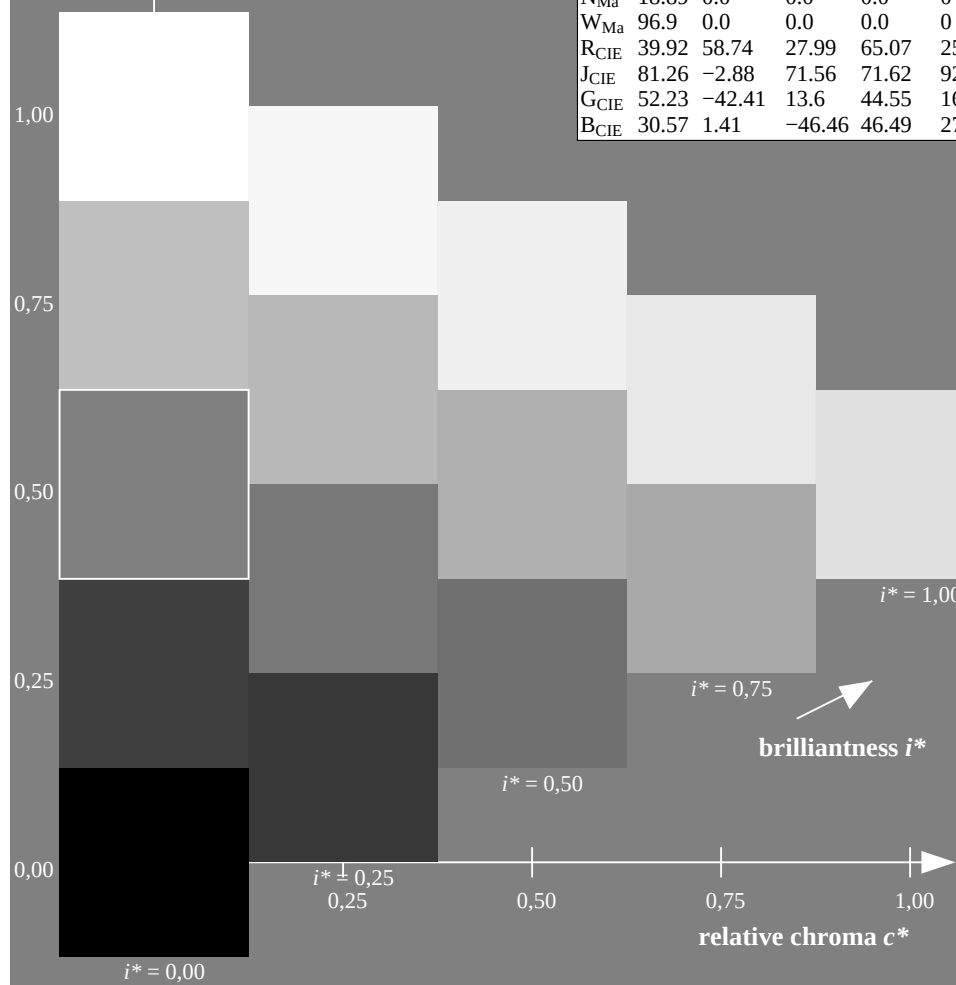
$u^*_{rel} = 89$

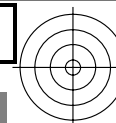
%Regularity

$g^*_{H,rel} = 72$

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

| ORS19_96a; adapted (a) CIELAB data |                     |         |         |              |              |
|------------------------------------|---------------------|---------|---------|--------------|--------------|
|                                    | $L^* = \bar{L}_a^*$ | $a_a^*$ | $b_a^*$ | $C_{ab,a}^*$ | $h_{ab,a}^*$ |
| r00j                               | 48.88               | 66.47   | 31.67   | 73.63        | 25           |
| r25j                               | 55.85               | 52.39   | 47.48   | 70.7         | 42           |
| r50j                               | 65.45               | 35.22   | 58.37   | 68.17        | 59           |
| r75j                               | 75.19               | 17.82   | 69.41   | 71.66        | 76           |
| j00g                               | 87.03               | -3.34   | 82.83   | 82.9         | 92           |
| j25g                               | 80.72               | -25.0   | 69.5    | 73.86        | 110          |
| j50g                               | 70.64               | -39.53  | 51.97   | 65.3         | 127          |
| j75g                               | 61.93               | -52.09  | 36.83   | 63.8         | 145          |
| g00b                               | 52.8                | -65.27  | 20.93   | 68.56        | 162          |
| g25b                               | 55.7                | -49.57  | -8.38   | 50.28        | 190          |
| g50b                               | 57.82               | -38.39  | -28.91  | 48.07        | 217          |
| g75b                               | 55.5                | -22.04  | -45.94  | 50.97        | 244          |
| b00r                               | 41.6                | 1.37    | -45.0   | 45.03        | 272          |
| b25r                               | 29.0                | 25.08   | -43.12  | 49.89        | 300          |
| b50r                               | 38.04               | 46.53   | -28.38  | 54.51        | 329          |
| b75r                               | 49.48               | 72.88   | -3.75   | 72.98        | 357          |





BAM registration: 20080701-De7410L/L74E00NA.PS/.TXT BAM material: code=rha4ta  
+ application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/De74>; [www.ps.bam.de/De.HTM](http://www.ps.bam.de/De.HTM)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

