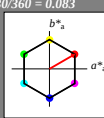


# Input: Colorimetric Standard Reflective System SRS18

for hue  $h^* = \text{lab}^*h = 30/360 = 0.083$   
 $\text{lab}^*tch$  and  $\text{lab}^*nch$

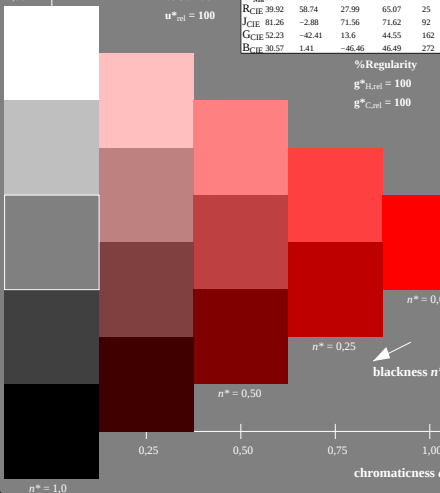
D65: hue O  
LCH\*Ma: 57 77 30  
olv\*Ma: 1.0 0.0 0.0

triangle lightness



1.00

%Gamut  
 $u^*_{rel} = 100$



## SRS18; adapted (a) CIELAB data

|                  | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{a,a}$ | $h^*_{a,a}$ |
|------------------|-------------|---------|---------|-------------|-------------|
| O <sub>Ma</sub>  | 56.71       | 67.03   | 38.7    | 77.4        | 30          |
| Y <sub>Ma</sub>  | 56.71       | 0.0     | 77.4    | 77.4        | 90          |
| L <sub>Ma</sub>  | 56.71       | -67.02  | 38.7    | 77.4        | 150         |
| C <sub>Ma</sub>  | 56.71       | -67.02  | -38.69  | 77.4        | 210         |
| V <sub>Ma</sub>  | 56.71       | 0.0     | -77.39  | 77.4        | 270         |
| M <sub>Ma</sub>  | 56.71       | 67.03   | -38.69  | 77.4        | 330         |
| N <sub>Ma</sub>  | 18.01       | 0.0     | 0.0     | 0.0         | 0           |
| W <sub>Ma</sub>  | 95.41       | 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         |

%Regularity

$g^*H_{rel} = 100$

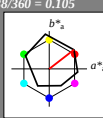
$g^*C_{rel} = 100$

# Output: Colorimetric Offset Reflective System ORS18

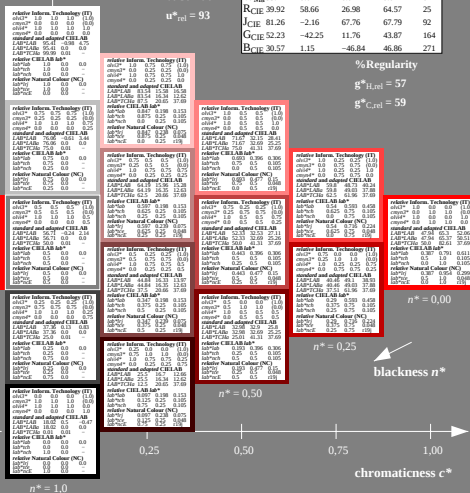
for hue  $h^* = \text{lab}^*h = 38/360 = 0.105$   
 $\text{lab}^*tch$  and  $\text{lab}^*nch$

D65: hue O  
LCH\*Ma: 48 83 38  
olv\*Ma: 1.0 0.0 0.0

triangle lightness



%Gamut  
 $u^*_{rel} = 93$



## ORS18; adapted (a) CIELAB data

| $L^* = L^*_a$    | $a^*_a$ | $b^*_a$ | $C^*_{a^*a}$ | $h^*_{a^*a}$ |     |
|------------------|---------|---------|--------------|--------------|-----|
| O <sub>Ma</sub>  | 47.94   | 65.39   | 50.52        | 82.63        | 38  |
| Y <sub>Ma</sub>  | 90.37   | -10.26  | 91.75        | 92.32        | 96  |
| L <sub>Ma</sub>  | 50.9    | -62.83  | 34.96        | 71.91        | 151 |
| C <sub>Ma</sub>  | 58.62   | -30.34  | -45.01       | 54.3         | 236 |
| V <sub>Ma</sub>  | 25.72   | 31.1    | -44.4        | 54.22        | 305 |
| M <sub>Ma</sub>  | 48.13   | 75.28   | -8.36        | 75.74        | 354 |
| N <sub>Ma</sub>  | 18.01   | 0.0     | 0.0          | 0.0          | 0   |
| W <sub>Ma</sub>  | 95.41   | 0.0     | 0.0          | 0.0          | 0   |
| R <sub>CIE</sub> | 39.92   | 58.66   | 26.98        | 64.57        | 25  |
| J <sub>CIE</sub> | 81.26   | -2.16   | 67.76        | 67.79        | 92  |
| G <sub>CIE</sub> | 52.23   | -42.25  | 11.76        | 43.87        | 164 |
| B <sub>CIE</sub> | 30.57   | 1.15    | -46.84       | 46.86        | 271 |

%Regularity

$g^*H_{rel} = 57$

$g^*C_{rel} = 59$

NE470-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart NE47; Colorimetric systems SRS18 & ORS18  
D65: 5 step colour scales and coordinate data for 10 hues

5 step scales for constant CIELAB hue 38/360 = 0.105 (right)

input:  $\text{olv}^* \text{setrgbcolor}$   
output: no change compared to input