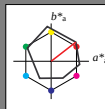


# Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*tch$  and  $lab^*nch$

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

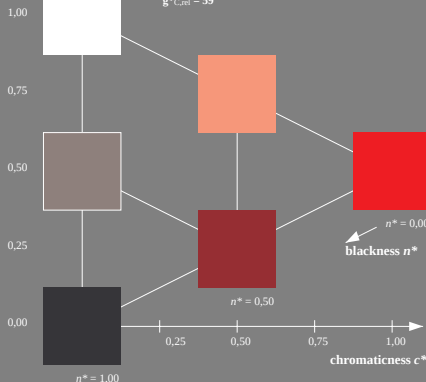
triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 93$   
%Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

**ORS18; adapted (a) CIELAB data**

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| JMa    | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| GMa    | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| G50BMa | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| BMa    | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| B50RMa | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| NMa    | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCE    | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCE    | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCE    | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCE    | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

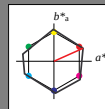


# Output: Colorimetric Reflective System NRS11

for hue  $h^* = lab^*h = 24/360 = 0.067$   
 $lab^*tch$  and  $lab^*nch$

D65: hue R  
LCH\*Ma: 53 84 24  
rgb\*Ma: 1.0 0.0 0.0

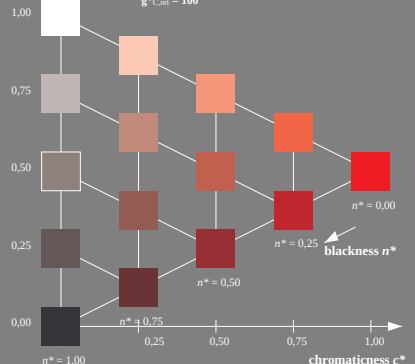
triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 119$   
%Regularity  
 $g^*_{H,rel} = 47$   
 $g^*_{C,rel} = 100$

**NRS11; adapted (a) CIELAB data**

|        | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|--------|-------------|---------|---------|--------------|--------------|
| RMa    | 53.2        | 77.06   | 34.32   | 84.36        | 24           |
| JMa    | 53.2        | -1.51   | 84.38   | 84.39        | 91           |
| GMa    | 53.2        | -82.27  | 18.98   | 84.44        | 167          |
| G50BMa | 53.2        | -77.72  | -32.98  | 84.44        | 203          |
| BMa    | 53.2        | 4.37    | -84.28  | 84.41        | 273          |
| B50RMa | 53.2        | 69.09   | -48.41  | 84.37        | 325          |
| NMa    | 10.99       | 0.0     | 0.0     | 0.0          | 0            |
| WMa    | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCE    | 39.92       | 58.66   | 27.98   | 65.01        | 25           |
| JCE    | 81.26       | -2.9    | 71.56   | 71.62        | 92           |
| GCE    | 52.23       | -42.45  | 13.59   | 44.59        | 164          |
| BCE    | 30.57       | 1.35    | -46.48  | 46.51        | 272          |



UE620-7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 24/360 = 0.067 (right)

BAM-test chart UE62; Colorimetric systems ORS18 & NRS11  
D65: 3 and 5 step colour scales for 10 hues

input: cmy0\* setcmycolor  
output: no change compared to input