

### Input: Colorimetric Offset Reflective System ORS18

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

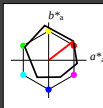
$lab^*tch$  and  $lab^*nch$

D50: hue O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0

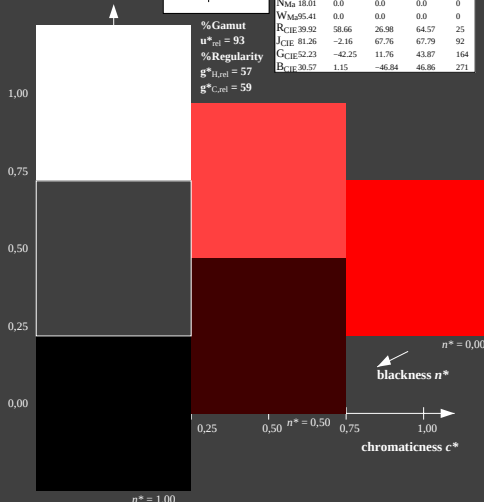
triangle lightness  $t^*$



### ORS18; adapted (a) CIELAB data

| $L^* = L^*_{a,b}$ | $a^*_{a,b}$ | $b^*_{a,b}$ | $C^*_{a,b}$ | $h^*_{a,b}$ |
|-------------------|-------------|-------------|-------------|-------------|
| OMa 47.94         | 65.39       | 50.52       | 82.63       | 38          |
| YMa 90.37         | -10.26      | 91.75       | 92.32       | 96          |
| LMa 50.9          | -62.83      | 34.96       | 71.91       | 151         |
| CMa 58.62         | -30.34      | -45.01      | 54.3        | 236         |
| VMa 25.72         | 31.1        | -44.4       | 54.22       | 305         |
| MMa 48.13         | 75.28       | -8.36       | 75.74       | 354         |
| NMa 18.01         | 0.0         | 0.0         | 0.0         | 0           |
| WMa 95.41         | 0.0         | 0.0         | 0.0         | 0           |
| RCIE 39.92        | 58.66       | 26.98       | 64.57       | 25          |
| JCIE 81.26        | -2.16       | 67.76       | 67.79       | 92          |
| GCIE 52.23        | -42.25      | 11.76       | 43.87       | 164         |
| BCIE 30.57        | 1.15        | -46.84      | 46.86       | 271         |

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



PE800-7, 3 step scales for constant CIELAB hue 40/360 = 0.105 (left)

BAM-test chart PE80; Colorimetric systems ORS18 & TLS00  
D50: 3 and 5 step colour scales for 10 hues

### Output: Colorimetric Television Luminous System TLS00

for hue  $h^* = lab^*h = 40/360 = 0.111$

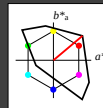
$lab^*tch$  and  $lab^*nch$

D50: hue O

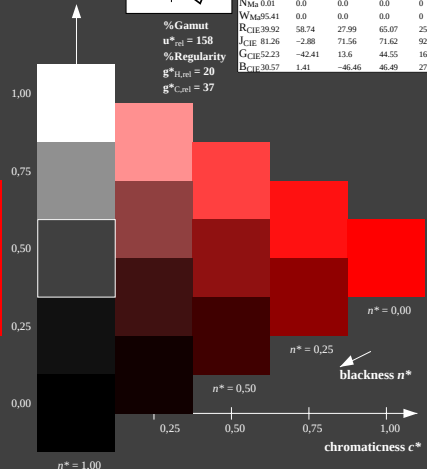
LCH\*Ma: 51 100 40

olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



%Gamut  
 $u^*_{rel} = 158$   
%Regularity  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

input:  $olv^*setrgbcolor$   
output:  $olv^*setrgbcolor / w^*setgray$