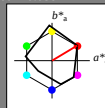


Input: Colorimetric Reflective System MRS18a

for hue  $h^* = lab^*h = 31/360 = 0.086$   
 $lab^*ch$  and  $lab^*nh$

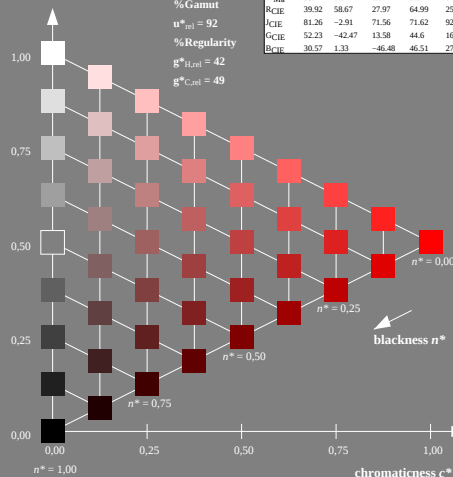
D65: hue R  
LCH\*Ma: 50 78 31  
rgb\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



| MRS18a; adapted (a) CIELAB data |         |         |              |              |
|---------------------------------|---------|---------|--------------|--------------|
| $L^*=L^*_a$                     | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| RMa                             | 49.63   | 66.8    | 40.02        | 77.87        |
| YMa                             | 90.7    | -7.27   | 93.19        | 93.48        |
| GMa                             | 52.11   | -69.93  | 11.26        | 70.85        |
| G50BMa                          | 45.03   | -36.65  | -27.13       | 45.61        |
| BMa                             | 36.65   | 23.26   | -62.27       | 66.49        |
| B50RMa                          | 34.94   | 57.27   | -43.6        | 71.99        |
| NMa                             | 18.01   | 0.0     | 0.0          | 0.0          |
| WMa                             | 95.41   | 0.0     | 0.0          | 0.0          |
| RcIE                            | 39.92   | 58.67   | 27.97        | 64.99        |
| YcIE                            | 81.26   | -2.91   | 71.56        | 71.62        |
| GcIE                            | 52.23   | -42.47  | 13.58        | 44.6         |
| BcIE                            | 30.57   | 1.33    | -46.48       | 46.51        |

%Gamut  
 $u^*_{rel} = 92$   
%Regularity  
 $g^*_{H,rel} = 42$   
 $g^*_{C,rel} = 49$



TE760-7, 9 step scales for constant CIELAB hue 31/360 = 0.086 (left)

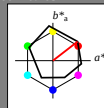
BAM-test chart TE76; Colorimetric systems MRS18a & ORS18  
D65: 9 and 16 step colour scales for 10 hues

Output: Colorimetric Reflective System ORS18

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

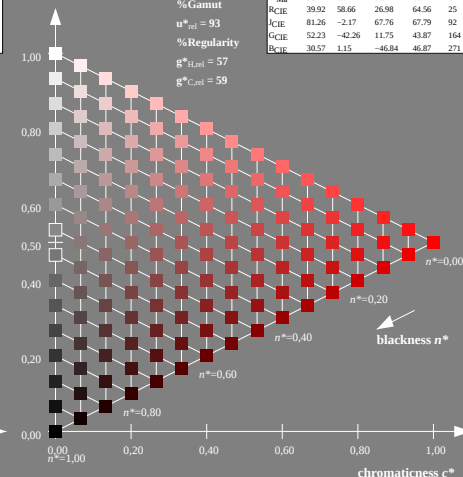
D65: hue O  
LCH\*Ma: 48 83 38  
rgb\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



| ORS18; adapted (a) CIELAB data |         |         |              |              |
|--------------------------------|---------|---------|--------------|--------------|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa                            | 47.94   | 65.37   | 50.52        | 82.62        |
| YMa                            | 90.37   | -10.27  | 91.77        | 92.34        |
| LMa                            | 50.9    | -62.79  | 34.95        | 71.87        |
| CMa                            | 58.62   | -30.35  | -45.01       | 54.3         |
| VMa                            | 25.71   | 31.11   | -44.42       | 54.24        |
| NMa                            | 18.01   | 0.0     | 0.0          | 0.0          |
| WMa                            | 95.41   | 0.0     | 0.0          | 0.0          |
| RcIE                           | 39.92   | 58.66   | 26.98        | 64.56        |
| YcIE                           | 81.26   | -2.17   | 67.76        | 67.79        |
| GcIE                           | 52.23   | -42.26  | 11.75        | 43.87        |
| BcIE                           | 30.57   | 1.15    | -46.84       | 46.87        |

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



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

BAM material: code=ha4a  
input: olv\* setrgbcolor  
output: no change compared to input