

Input: Colorimetric Reflective System MRS18  
for hue  $h^* = lab^*h = 30/360 = 0.083$   
 $lab^*tch$  and  $lab^*nch$

D65: hue R

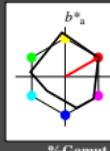
LCH\*Ma: 50 77 30

rgb\*Ma: 1.0 0.0 0.0

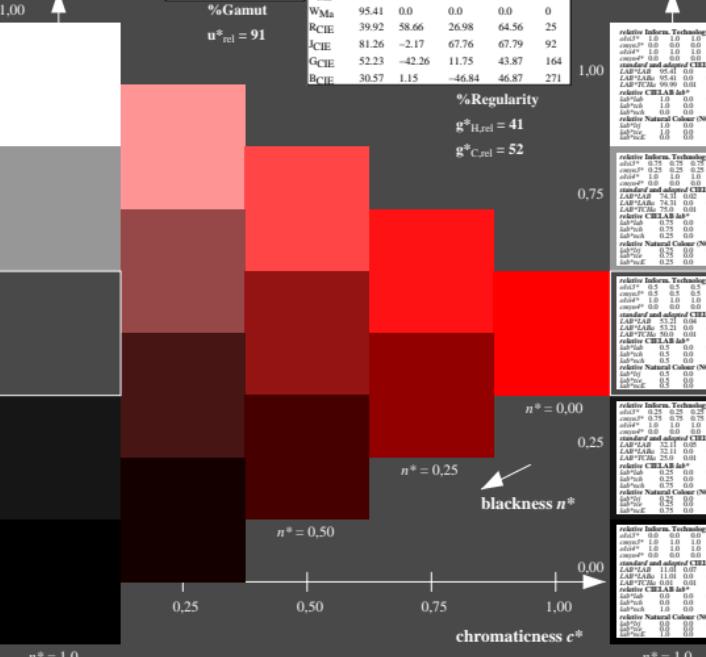
triangle lightness

MRS18; adapted (a) CIELAB data

|        | $L^*$ | $a^*$  | $b^*$  | $C^*$ | $ab_{nh}$ | $h_{ab}$ |
|--------|-------|--------|--------|-------|-----------|----------|
| RMa    | 49.63 | 66.96  | 38.37  | 77.18 | 30        |          |
| JMa    | 90.7  | -6.36  | 88.75  | 88.98 | 94        |          |
| GMa    | 52.11 | -69.73 | 9.44   | 70.37 | 172       |          |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218       |          |
| BMa    | 36.65 | 23.19  | -63.05 | 67.18 | 290       |          |
| B50RMa | 34.94 | 57.17  | -44.26 | 72.31 | 322       |          |
| 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  | 64.56 | 25        |          |
| JCIIE  | 81.26 | -2.17  | 67.76  | 67.79 | 92        |          |
| GCIIE  | 52.23 | -42.26 | 11.75  | 43.87 | 164       |          |
| BCIIE  | 30.57 | 1.15   | -46.84 | 45.87 | 271       |          |



%Gamut

 $u^*_{rel} = 91$ 

UE430-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE43; Colorimetric systems MRS18 & NCS11a input: *cmy0\** *setcmykcolor*  
D65: 5 step colour scales and coordinate data for 10 hues

Output: Colorimetric Reflective System NCS11a

for hue  $h^* = lab^*h = 24/360 = 0.066$   
 $lab^*tch$  and  $lab^*nch$ 

D65: hue R

LCH\*Ma: 47 92 24

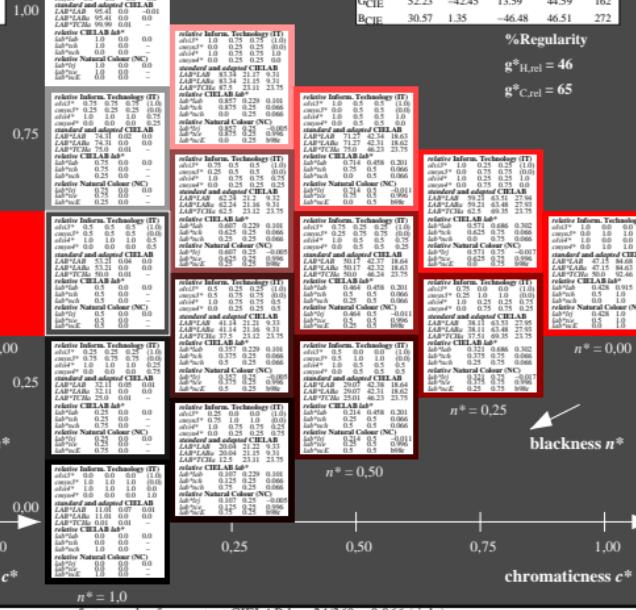
rgb\*Ma: 1.0 0.0 0.0

triangle lightness

NCS11a; adapted (a) CIELAB data

|        | $L^*$ | $a^*$   | $b^*$  | $C^*$  | $ab_{nh}$ | $h_{ab}$ |
|--------|-------|---------|--------|--------|-----------|----------|
| RMa    | 47.15 | 84.64   | 37.25  | 92.48  | 24        |          |
| JMa    | 91.37 | -1.27   | 125.03 | 125.03 | 91        |          |
| GMa    | 63.07 | -114.28 | 25.35  | 117.06 | 167       |          |
| G50BMa | 59.47 | -80.6   | -33.45 | 87.28  | 203       |          |
| BMa    | 49.01 | 3.65    | -81.19 | 81.28  | 273       |          |
| B50RMa | 44.06 | 106.09  | -73.93 | 129.32 | 325       |          |
| NMa    | 10.99 | 0.0     | 0.0    | 0.0    | 0         |          |
| WMa    | 95.41 | 0.0     | 0.0    | 0.0    | 0         |          |
| RCIE   | 39.92 | 58.69   | 27.98  | 65.01  | 25        |          |
| JCIIE  | 81.26 | -2.9    | 71.56  | 71.62  | 92        |          |
| GCIIE  | 52.23 | -42.45  | 13.59  | 44.59  | 162       |          |
| BCIIE  | 30.57 | 1.35    | -46.48 | 46.51  | 272       |          |

%Regularity

 $g^*_{H,rel} = 46$  $g^*_{C,rel} = 65$  $n^* = 0.00$  $n^* = 0.25$ blackness  $n^*$ 

5 step scales for constant CIELAB hue 24/360 = 0.066 (right)

BAM-test chart UE43; Colorimetric Reflective System NCS11a input: *cmy0\** *setcmykcolor*  
output: *olv\** *setrgbcolor* / *w\** *setgray*