

Input: Colorimetric Reflective System MRS18

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

lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness

1.00

%Gamut

$u^*_{rel} = 91$

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

chromaticness c^*

blackness n^*

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MRS18; adapted (a) CIELAB data

$L^* = L^*_a$ a^*_a b^*_a C^*_{ab} h^*_{ab}

R_{Ma} 49.63 66.96 38.37 77.18 30

J_{Ma} 90.7 -6.36 88.75 88.98 94

G_{Ma} 52.11 -69.73 9.44 70.37 172

G50B_{Ma} 45.03 -36.57 -28.47 46.36 218

B_{Ma} 36.65 23.19 -63.05 67.18 290

BS0R_{Ma} 34.94 57.17 -44.26 72.31 322

N_{Ma} 18.01 0.0 0.0 0.0 0

W_{Ma} 95.41 0.0 0.0 0.0 0

R_{CIE} 39.92 58.66 26.98 64.56 25

J_{CIE} 81.26 -2.17 67.76 67.79 92

G_{CIE} 52.23 -42.26 11.75 43.87 164

B_{CIE} 30.57 1.15 -46.84 46.87 271

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UE440-7, 5 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE44; Colorimetric systems MRS18 & MRS18

D65: 5 step colour scales and coordinate data for 10 hues

5 step scales for constant CIELAB hue 30/360 = 0.083 (right)

input: $\text{cmy}0^* \text{setcmycolor}$

output: no change compared to input