

Input: Colorimetric Reflective System MRS18

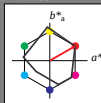
for hue $h^* = lab^*h = 30/360 = 0.083$

*lab*tch* and *lab*nch*

D65: hue R

LCH*Ma: 50 77 30

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rgb*Ma: 1.0 0.0 0.0
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triangle lightness t^*

%Gamut

$$\mathbf{u}_{[m]}^* = 91$$

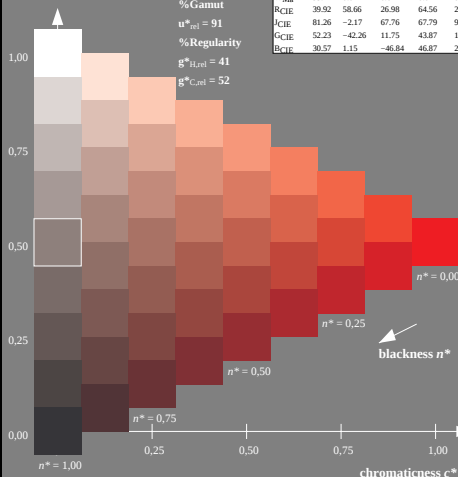
%Regularity

$$p_{H_{rel}}^* = 41$$

■ $\lg^* C_{rel} = 52$

MRS18; adapted (a) CIELAB data

	$L^* - L^*_a$	a^*_a	b^*_a	C^*_{aha}	h^*_{aha}
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	89.98	94
GMa	52.11	-69.73	9.44	70.37	172
G500Ma	45.03	-36.57	-64.07	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	54.94	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
JCIE	81.26	-2.17	67.76	67.79	92
GCIE	52.23	-42.26	-11.75	43.87	164
RCre	30.57	1.15	-66.84	66.87	79



UE950-7, 9 step scales for constant CIELAB hue 30/360 = 0.083 (left)

BAM-test chart UE95; Colorimetric systems MRS18
D65: 9 and 16 step colour scales for 10 hues

Output: Colorimetric Reflective System ORS18

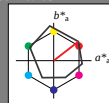
for hue $h^* = lab^*h = 38/360 = 0.105$

*lab*tch* and *lab*nch*

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*

%Gamut

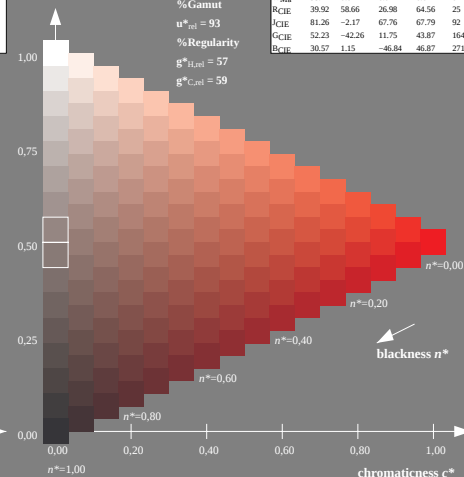
$$u_{rel}^* = 93$$

%Regular

 $\rho_{H\bar{H}}^* = 5$ $\mu^*_{C_{\text{ref}}} = 59$

ORS18; adapted (a) CIELAB data

	$L^* \pm L^*_a$	a^*_a	b^*_a	$C^*_{\text{sh},a}$	$h^*_{\text{sh},a}$
O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{0.37}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
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
C _{CIE}	52.23	-42.26	11.75	43.87	164
R _{GC}	30.67	1.15	-46.84	46.87	271



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

input: *cmy0** *setcmykcolor*
output: *no change compared to input*