

Input: Colorimetric Reflective System ORS18

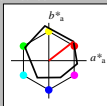
for hue  $h^* = lab^*h = 38/360 = 0.105$

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

D65: hue O

LCH\*Ma: 48 83 38

rgb\*Ma: 1.0 0.0 0.0



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	47.94	65.37	50.52	82.62	38
Y <sub>Ma</sub>	90.37	-10.27	91.77	92.34	96
L <sub>Ma</sub>	50.9	-62.79	34.95	71.87	151
C <sub>Ma</sub>	58.62	-30.35	-45.01	54.3	236
V <sub>Ma</sub>	25.71	31.11	-44.42	54.24	305
M <sub>Ma</sub>	48.13	75.27	-8.35	75.73	354
N <sub>Ma</sub>	18.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.66	26.98	64.56	25
J <sub>CIE</sub>	81.26	-2.17	67.76	67.79	92
G <sub>CIE</sub>	52.23	-42.26	11.75	43.87	164
B <sub>CIE</sub>	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System MRS18

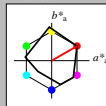
for hue  $h^* = lab^*h = 30/360 = 0.083$

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

D65: hue R

LCH\*Ma: 50 77 30

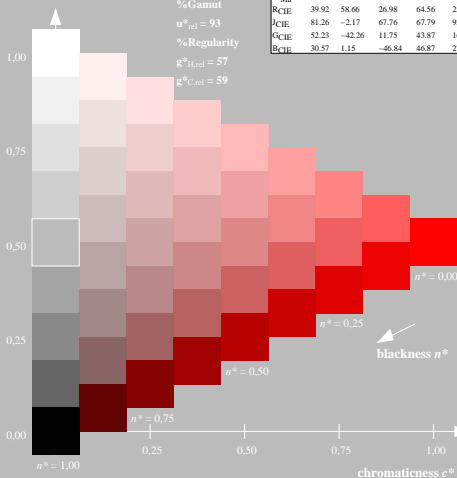
rgb\*Ma: 1.0 0.0 0.0



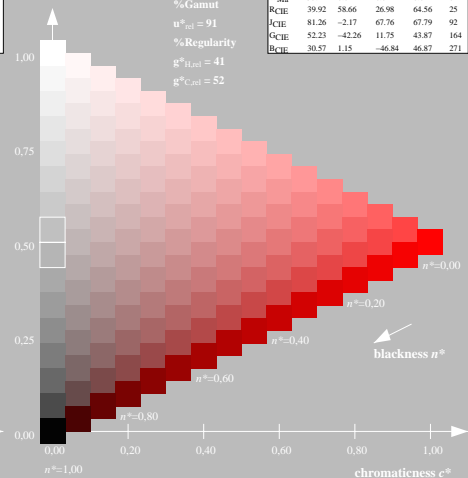
MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>Ma</sub>	49.63	66.96	38.37	77.18	30
J <sub>Ma</sub>	90.7	-6.36	88.75	88.98	94
G <sub>Ma</sub>	52.11	-69.73	9.44	70.37	172
G90B <sub>Ma</sub>	45.03	-36.57	-28.47	46.36	218
B <sub>Ma</sub>	36.65	23.19	-63.05	67.18	290
B50R <sub>Ma</sub>	34.94	57.17	-44.26	72.31	322
N <sub>Ma</sub>	18.01	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.41	0.0	0.0	0.0	0
R <sub>CIE</sub>	39.92	58.66	26.98	64.56	25
J <sub>CIE</sub>	81.26	-2.17	67.76	67.79	92
G <sub>CIE</sub>	52.23	-42.26	11.75	43.87	164
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triangle lightness  $t^*$



triangle lightness  $t^*$



TE900-7, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

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

BAM-test chart TE90; Colorimetric systems ORS18 & MRS18  
 D65: 9 and 16 step colour scales for 10 hues

input: `olv* setrgbcolor`  
 output: `olv* setrgbcolor /w* setgray`