

**Input: Colorimetric Reflective System ORS18**

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

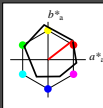
$lab^*tch$  and  $lab^*nch$

D65: hue O

LCH<sup>o</sup>Ma: 48 83 38

rgb<sup>o</sup>Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



**ORS18; adapted (a) CIELAB data**

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

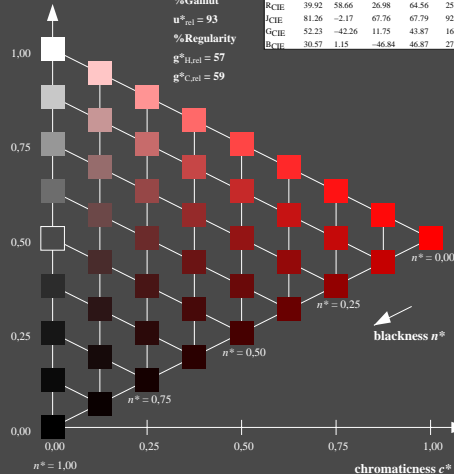
%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



**Output: Colorimetric Reflective System MRS18a**

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

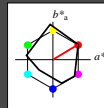
$lab^*tch$  and  $lab^*nch$

D65: hue R

LCH<sup>o</sup>Ma: 50 78 31

rgb<sup>o</sup>Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



**MRS18a; adapted (a) CIELAB data**

	$L^*=L_a^*$	$a^*a^*$	$b^*a^*$	$C^*_{ab,a}$	$h^*_{ab,a}$
R <sub>Ma</sub>	49.63	66.8	40.02	77.87	31
J <sub>Ma</sub>	90.7	-7.27	93.19	93.48	94
G <sub>Ma</sub>	52.11	-69.93	11.26	70.85	171
G <sub>50B</sub> Ma	45.03	-36.65	-27.13	45.61	217
B <sub>Ma</sub>	36.65	23.26	-62.27	66.49	290
B <sub>50R</sub> Ma	34.94	57.27	-43.6	71.99	323
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	58.67	27.97	64.99	25
J <sub>CIE</sub>	81.26	-2.91	71.56	71.62	92
G <sub>CIE</sub>	52.23	-42.47	13.58	44.6	162
B <sub>CIE</sub>	30.57	1.33	-46.48	46.51	272

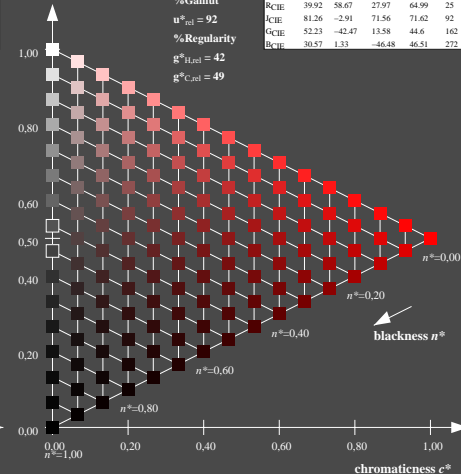
%Gamut

$u^*_{rel} = 92$

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$



UE71/10-7, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

16 step scales for constant CIELAB hue 31/360 = 0.086 (right)

BAM-test chart UE71; Colorimetric systems ORS18 & MRS18a input: *cmv0\* setcmkcolor*

D65: 9 and 16 step colour scales for 10 hues

output: *olv\* setrgbcolor / w\* setgray*