

Input: Colorimetric Reflective System MRS18a

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

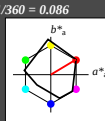
LAB*LCH, LAB*NCH

D65: hue R

LCH*Ma: 50 78 31

olv*Ma: 1.0 0.0 0.0

CIE LAB lightness L^*



%Gamut

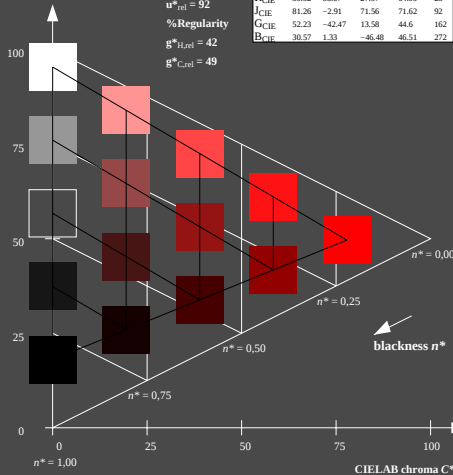
$u^*_{rel} = 92$

%Regularity

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

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

MRS18a; adapted (a)	CIE LAB data	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
R _{Ma}	49.63	66.8	40.02	77.87	31	
Y _{Ma}	90.7	-7.27	93.19	93.48	94	
G _{Ma}	52.11	-69.93	11.26	70.85	171	
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217	
B _{Ma}	36.65	23.26	-62.27	66.49	290	
B50R _{Ma}	34.94	57.27	-43.6	71.99	323	
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	58.67	27.97	64.99	25	
Y _{CIE}	81.26	-2.91	71.56	71.62	92	
G _{CIE}	52.23	-42.47	13.58	44.6	162	
B _{CIE}	30.57	1.33	-46.48	46.51	272	



UE360-7, 5 step scales for constant CIE LAB hue 31/360 = 0.086 (left)

Output: Colorimetric Reflective System ORS18

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

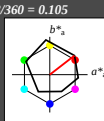
LAB*LCH, LAB*NCH

D65: hue O

LCH*Ma: 48 83 38

olv*Ma: 1.0 0.0 0.0

CIE LAB lightness L^*



%Gamut

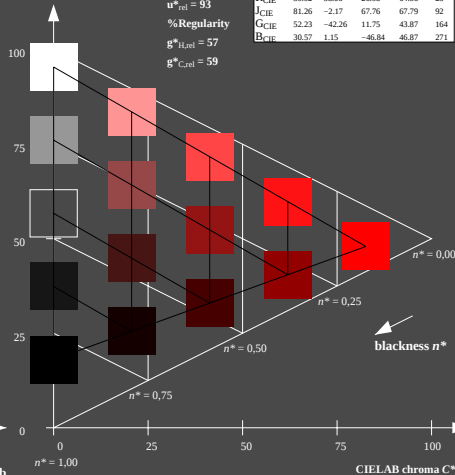
$u^*_{rel} = 93$

%Regularity

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

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

ORS18; adapted (a)	CIE LAB data	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.37	50.52	82.62	38	
Y _{Ma}	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	
Y _{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	



5 step scales for constant CIE LAB hue 38/360 = 0.105 (right)

BAM-test chart UE36; Colorimetric systems MRS18a & ORS18 input: `cmv0* setcmykcolor`

D65: Coordinate systems of 5 step colour scales for 10 hues

output: `olv* setrgbcolor / w* setgray`