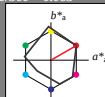


Input: Colorimetric Reflective System MRS18

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

D65: hue R
LCH*Ma: 50 77 30
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 91$
%Regularity
 $g^*_{H,rel} = 41$
 $g^*_{C,rel} = 52$

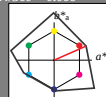
MRS18; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
NMa	18.01	0.0	0.0	0.0	0
NMa	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
BCIE	30.57	1.15	-46.84	46.87	271

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 47 92 24
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



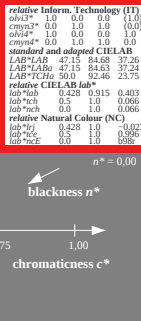
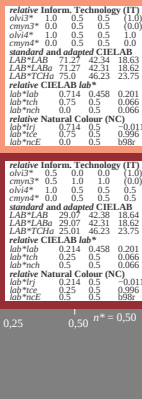
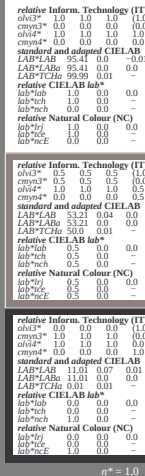
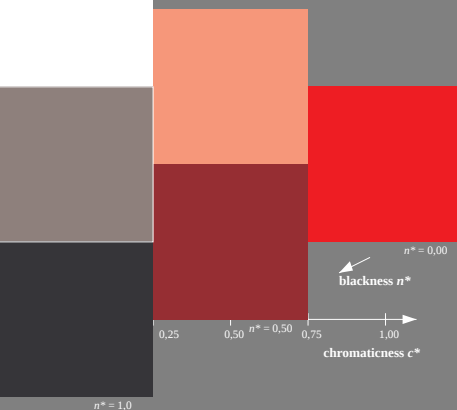
%Gamut
 $u^*_{rel} = 149$
%Regularity
 $g^*_{H,rel} = 46$
 $g^*_{C,rel} = 65$

NCS11; adapted (a) CIELAB data					
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
NMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

relative Inform. Technology (IT)					
$olvi3^*$	1.0	1.0	1.0	(1.0)	
$cmyn3^*$	0.0	0.0	0.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	1.0	
$cmyn4^*$	0.0	0.0	0.0	0.0	
standard and adapted CIELAB					
LAB*LAB	95.41	0.0	-0.01		
LAB*Lab	95.41	0.0	0.0		
LAB*TChe	99.99	0.01	-		
relative CIELAB lab*					
lab*lab	1.0	0.0	0.0		
lab*tch	1.0	0.0	-		
lab*nch	0.0	0.0	-		
relative Natural Colour (NC)					
lab*lrj	1.0	0.0	0.0		
lab*tce	1.0	0.0	-		
lab*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	1.0	0.5	0.5	(1.0)	
$cmyn3^*$	0.0	0.5	0.5	(0.0)	
$olvi4^*$	1.0	0.5	0.5	1.0	
$cmyn4^*$	0.0	0.5	0.5	0.0	
standard and adapted CIELAB					
LAB*LAB	71.27	42.34	18.63		
LAB*Lab	71.27	42.31	18.62		
LAB*TChe	75.0	46.23	23.75		
relative CIELAB lab*					
lab*lab	0.714	0.458	0.201		
lab*tch	0.75	0.5	0.066		
lab*nch	0.0	0.5	0.066		
lab*lrj	0.714	0.5	-0.011		
lab*tce	0.75	0.5	0.996		
lab*nce	0.0	0.5	0.996		

relative Inform. Technology (IT)					
$olvi3^*$	1.0	0.0	1.0	(1.0)	
$cmyn3^*$	0.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	0.0	1.0	1.0	
$cmyn4^*$	0.0	1.0	1.0	0.0	
standard and adapted CIELAB					
LAB*LAB	47.15	84.68	37.26		
LAB*Lab	47.15	84.63	37.24		
LAB*TChe	50.0	92.46	23.75		
relative CIELAB lab*					
lab*lab	0.428	0.915	0.403		
lab*tch	0.5	1.0	0.066		
lab*nch	0.0	1.0	0.066		
relative Natural Colour (NC)					
lab*lrj	0.428	1.0	-0.023		
lab*tce	0.5	1.0	0.996		
lab*nce	0.0	1.0	0.996		



UE030-7, 3 step scales for constant CIELAB hue 30/360 = 0.083 (left)

3 step scales for constant CIELAB hue 24/360 = 0.066 (right)

BAM-test chart UE03; Colorimetric systems MRS18 & NCS11a input: $cmY0^*$ setcmkcolor

D65: 3 step colour scales and coordinate data for 10 hues

output: no change compared to input