

Input: Colorimetric Reflective System MRS18

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

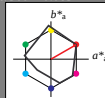
lab^*tch and lab^*nch

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
GMa	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
ICIE	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 MRS18

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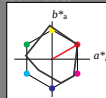
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relative Inform. Technology (IT)					
$olvi3^*$	1.0	1.0	1.0	(1.0)	
$cmyn3^*$	0.0	0.0	0.0	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.5	1.0
$cmyn4^*$	0.0	0.0	0.0	0.0	0.0

standard and adapted CIELAB					
LAB^*LAB	95.41	-0.97	4.75		
LAB^*Lab	95.41	0.0	0.0		
LAB^*TCh	99.99	0.01	-		

relative CIELAB lab*					
lab^*lab	1.0	0.0	0.0	0.0	
lab^*tch	1.0	0.0	-		
lab^*nch	0.0	0.0	-		

relative Natural Colour (NC)					
lab^*trj	1.0	0.0	0.0		
lab^*tce	1.0	0.0	-		
lab^*nce	0.0	0.0	-		

relative Inform. Technology (IT)					
$olvi3^*$	0.5	0.5	0.5	(1.0)	
$cmyn3^*$	0.5	0.5	0.5	(0.0)	
$olvi4^*$	1.0	1.0	1.0	0.5	1.0
$cmyn4^*$	0.0	0.0	0.0	0.0	0.5

standard and adapted CIELAB					
LAB^*LAB	56.71	-0.23	2.14		
LAB^*Lab	56.71	0.0	0.0		
LAB^*TCh	50.0	0.01	-		

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	0.5	1.0
$cmyn4^*$	0.0	0.5	0.5	0.0	0.0

standard and adapted CIELAB					
LAB^*LAB	72.52	32.93	22.4		
LAB^*Lab	72.52	33.47	19.18		
LAB^*TCh	75.0	38.58	29.82		

relative CIELAB lab*					
lab^*lab	0.704	0.434	0.249		
lab^*tch	0.75	0.5	0.083		
lab^*nch	0.0	0.5	0.083		

relative Natural Colour (NC)					
lab^*trj	0.704	0.496	0.06		
lab^*tce	0.75	0.5	0.019		
lab^*nce	0.0	0.5	0.071		

relative Inform. Technology (IT)					
$olvi3^*$	0.5	0.0	0.0	(1.0)	
$cmyn3^*$	0.5	1.0	1.0	(0.0)	
$olvi4^*$	1.0	0.5	0.5	0.5	1.0
$cmyn4^*$	0.0	0.5	0.5	0.0	0.083

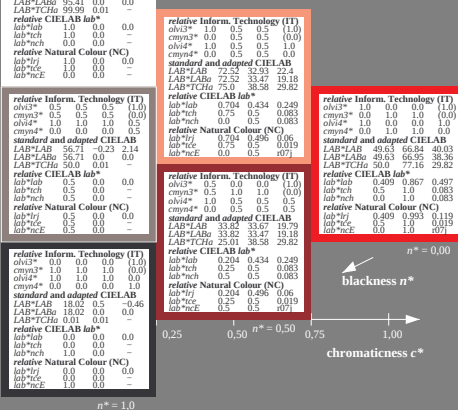
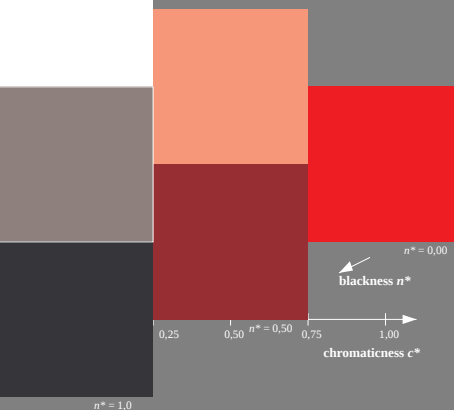
standard and adapted CIELAB					
LAB^*LAB	33.85	33.67	19.79		
LAB^*Lab	33.82	33.47	19.18		
LAB^*TCh	25.01	38.58	29.82		

relative Inform. Technology (IT)					
$olvi3^*$	1.0	0.0	0.0	(1.0)	
$cmyn3^*$	0.0	1.0	1.0	(0.0)	
$olvi4^*$	1.0	0.0	0.0	1.0	0.0
$cmyn4^*$	0.0	1.0	1.0	0.0	0.0

standard and adapted CIELAB					
LAB^*LAB	49.63	66.84	40.03		
LAB^*Lab	49.63	66.95	38.36		
LAB^*TCh	50.0	77.16	29.82		

relative CIELAB lab*					
lab^*lab	0.409	0.867	0.497		
lab^*tch	0.5	1.0	0.083		
lab^*nch	0.0	1.0	0.083		

relative Natural Colour (NC)					
lab^*trj	0.409	0.993	0.119		
lab^*tce	0.5	1.0	0.019		
lab^*nce	0.0	1.0	0.071		



UE04-7, 3 step scales for constant CIELAB hue 30/360 = 0.083 (left)

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

BAM-test chart UE04; Colorimetric systems MRS18 & MRS18
D65: 3 step colour scales and coordinate data for 10 hues

input: $cmY0^* setcmYcolor$
output: no change compared to input