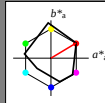


Input: Colorimetric Reflective System MRS18a

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

D65: hue R
 LCH*Ma: 50 78 31
 olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 92$
 %Regularity
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

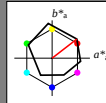
MRS18a; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
YMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Output: 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
 olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 93$
 %Regularity
 $g^*_{H,rel} = 57$
 $g^*_{C,rel} = 59$

ORS18; adapted (a) CIE L*a*b*					
	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
GMa	50.9	-62.79	34.95	71.87	151
VMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
NMa	48.13	75.27	-8.35	75.73	354
NMa	18.01	0.0	0.0	0.0	0
WMa	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

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	-0.97	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	
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)				
$olvi3^*$	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	71.67	32.15	28.41	
LAB^*Lab	71.67	32.15	28.41	
LAB^*TCh	75.0	41.3	37.7	
relative CIELAB lab*				
lab^*lab	0.693	0.396	0.306	
lab^*tch	0.75	0.5	0.105	
lab^*nch	0.0	0.5	0.105	
lab^*trj	0.693	0.477	0.15	
lab^*tce	0.75	0.5	0.048	
lab^*nce	0.0	0.5	0.193	

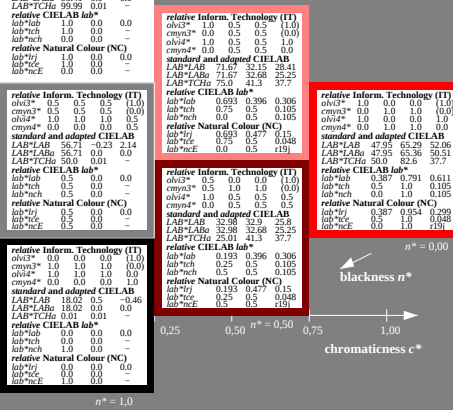
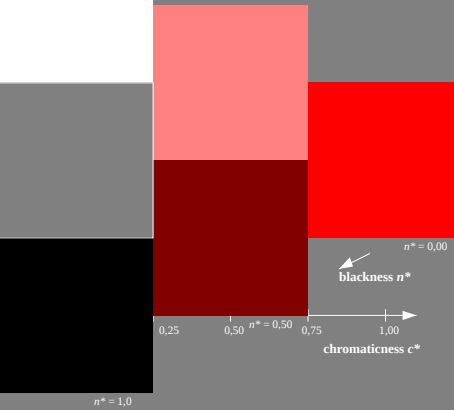
relative Inform. Technology (IT)				
$olvi3^*$	1.0	0.0	1.0	(1.0)
$cmyn3^*$	0.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	0.0	1.0	1.0
$cmyn4^*$	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
LAB^*LAB	47.95	65.29	52.06	
LAB^*Lab	47.95	65.36	50.51	
LAB^*TCh	50.0	82.6	37.7	
relative CIELAB lab*				
lab^*lab	0.387	0.791	0.611	
lab^*tch	0.387	0.954	0.299	
lab^*nch	0.0	1.0	0.105	
relative Natural Colour (NC)				
lab^*trj	0.387	0.954	0.299	
lab^*tce	0.5	1.0	0.048	
lab^*nce	0.0	1.0	0.193	

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
$cmyn4^*$	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 CIELAB lab*				
lab^*lab	0.5	0.0	0.0	
lab^*tch	0.5	0.0	0.0	
lab^*nch	0.5	0.0	-	
relative Natural Colour (NC)				
lab^*trj	0.5	0.0	0.0	
lab^*tce	0.5	0.0	-	
lab^*nce	0.5	0.0	-	

relative Inform. Technology (IT)				
$olvi3^*$	0.0	0.0	0.0	(1.0)
$cmyn3^*$	1.0	1.0	1.0	(0.0)
$olvi4^*$	1.0	1.0	1.0	1.0
$cmyn4^*$	0.0	0.0	0.0	1.0
standard and adapted CIELAB				
LAB^*LAB	18.02	0.5	-0.46	
LAB^*Lab	18.02	0.0	0.0	
LAB^*TCh	0.01	0.01	-	
relative CIELAB lab*				
lab^*lab	0.0	0.0	0.0	
lab^*tch	0.0	0.0	0.0	
lab^*nch	1.0	1.0	-	
relative Natural Colour (NC)				
lab^*trj	0.0	0.0	0.0	
lab^*tce	0.0	0.0	-	
lab^*nce	1.0	0.0	-	

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
$cmyn4^*$	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
LAB^*LAB	32.98	32.9	25.8	
LAB^*Lab	32.98	32.68	25.25	
LAB^*TCh	25.01	41.3	37.7	
relative CIELAB lab*				
lab^*lab	0.193	0.396	0.306	
lab^*tch	0.25	0.5	0.105	
lab^*nch	0.5	0.5	0.105	
relative Natural Colour (NC)				
lab^*trj	0.193	0.477	0.15	
lab^*tce	0.25	0.5	0.048	
lab^*nce	0.5	0.5	0.193	

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
$cmyn4^*$	0.0	0.5	0.5	0.5
standard and adapted CIELAB				
LAB^*LAB	32.98	32.9	25.8	
LAB^*Lab	32.98	32.68	25.25	
LAB^*TCh	25.01	41.3	37.7	
relative CIELAB lab*				
lab^*lab	0.193	0.396	0.306	
lab^*tch	0.25	0.5	0.105	
lab^*nch	0.5	0.5	0.105	
relative Natural Colour (NC)				
lab^*trj	0.193	0.477	0.15	
lab^*tce	0.25	0.5	0.048	
lab^*nce	0.5	0.5	0.193	



1060-7, 3 step scales for constant CIELAB hue 31/360 = 0.086 (left)

3 step scales for constant CIELAB hue 38/360 = 0.105 (right)

BAM-test chart TE06; Colorimetric systems MRS18a & ORS18
 D65: 3 step colour scales and coordinate data for 10 hues

input: olv* setrgbcolor
 output: no change compared to input