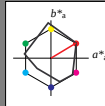


Input: Colorimetric Reflective System MRS18a

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
 $g^*_{H,rel} = 42$
 $g^*_{C,rel} = 49$

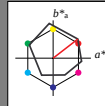
MRS18a; adapted (a) CIELAB data						
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
RMa	49.63	66.8	40.02	77.87	31	
JMa	90.7	-7.27	93.19	93.48	94	
GMa	52.11	-69.93	11.26	70.85	171	
G50BMa	45.03	-36.65	-27.13	45.61	217	
BMa	36.65	23.26	-62.27	66.49	290	
B50RMa	34.94	57.27	-43.6	71.99	323	
NMa	18.01	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) CIELAB data						
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	47.94	65.37	50.52	82.62	38	
YMa	90.37	-10.27	91.77	92.34	96	
LMa	50.9	-62.79	34.95	71.87	151	
VMa	58.62	-30.35	-45.01	54.3	236	
WMa	25.71	31.11	-44.42	54.24	305	
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*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	71.67	32.15	28.41			
LAB*Lab	71.67	32.15	28.41			
LAB*TChe	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*lrj	0.693	0.477	0.15			
lab*tce	0.75	0.5	0.048			
lab*nce	0.0	0.5	0.191			

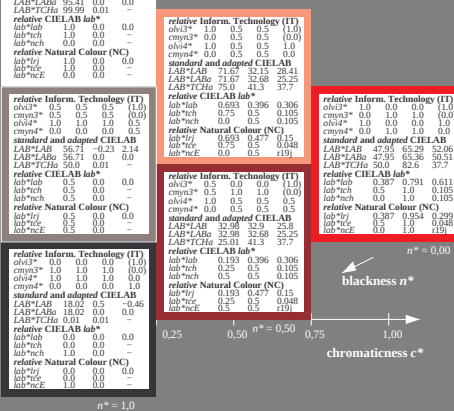
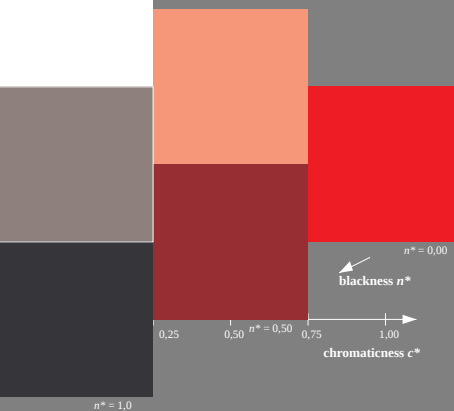
relative Inform. Technology (IT)						
olvi3*	1.0	0.0	0.0	(1.0)		
cmyn3*	0.0	0.0	0.0	(0.0)		
olvi4*	1.0	0.0	0.0	1.0		
cmyn4*	0.0	0.0	0.0	0.0		
standard and adapted CIELAB						
LAB*LAB	47.95	65.29	52.06			
LAB*Lab	47.95	65.36	50.51			
LAB*TChe	50.0	82.6	37.7			
relative CIELAB lab*						
lab*lab	0.387	0.791	0.611			
lab*tch	0.5	1.0	0.105			
lab*nch	0.0	1.0	0.105			
lab*lrj	0.387	0.954	0.299			
lab*tce	0.5	1.0	0.048			
lab*nce	0.0	1.0	0.191			

relative Inform. Technology (IT)						
olvi3*	0.5	0.5	0.5	(1.0)		
cmyn3*	0.0	0.0	0.0	(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*TChe	50.0	0.01	-			
relative CIELAB lab*						
lab*lab	0.5	0.0	0.0			
lab*tch	0.5	0.0	-			
lab*nch	0.5	0.0	-			
relative Natural Colour (NC)						
lab*lrj	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	0.0		
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*TChe	0.01	0.01	-			
relative CIELAB lab*						
lab*lab	0.0	0.0	0.0			
lab*tch	0.0	0.0	-			
lab*nch	1.0	1.0	-			
relative Natural Colour (NC)						
lab*lrj	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*TChe	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*lrj	0.193	0.477	0.15			
lab*tce	0.25	0.5	0.048			
lab*nce	0.5	0.5	0.191			

relative Inform. Technology (IT)						
olvi3*	0.387	0.791	0.611			
cmyn3*	0.5	1.0	0.105			
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*TChe	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*lrj	0.193	0.477	0.15			
lab*tce	0.25	0.5	0.048			
lab*nce	0.5	0.5	0.191			



UE06-7, 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 UE06; Colorimetric systems MRS18a & ORS18 input: $cmY0^* setcmkcolor$
D65: 3 step colour scales and coordinate data for 10 hues

output: no change compared to input