

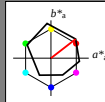
Input: Colorimetric Offset Reflective System ORS18

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	65.39	50.52	82.63	38
YMa	90.37	-10.26	91.75	92.32	96
LMa	50.9	-62.83	34.96	71.91	151
CMa	58.62	-30.34	-45.01	54.3	236
VMa	25.72	31.1	-44.4	54.22	305
MMa	48.13	75.28	-8.36	75.74	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	64.57	25
GCIE	81.26	-2.16	67.76	67.79	92
GCIE2	52.23	-42.25	11.76	43.87	164
BCIE	30.57	1.15	-46.84	46.86	271

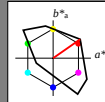
Output: Colorimetric Television Luminous System TLS18

for hue $h^* = lab^*h = 35/360 = 0.097$

lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 53 87 35
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 118$
%Regularity
 $g^*_{H,rel} = 22$
 $g^*_{C,rel} = 40$

TLS18; adapted (a) CIELAB data					
	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	52.76	71.63	49.88	87.29	35
YMa	92.74	-20.02	84.97	87.3	103
LMa	84.0	-78.98	73.94	108.2	137
CMa	87.14	-44.41	-13.11	46.32	196
VMa	35.47	64.92	-95.06	115.12	304
MMa	59.01	89.33	-55.67	105.26	328
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.74	27.99	65.07	25
GCIE	81.26	-2.88	71.56	71.62	92
GCIE2	52.23	-42.41	13.64	44.55	162
BCIE	30.57	1.41	-46.46	46.49	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	0.0		
LAB*LABa	95.41	0.0	0.0		
LAB*TCMa	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*	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	56.72	0.0	0.0		
LAB*LABa	56.72	0.0	0.0		
LAB*TCMa	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	1.0	
cmyn4*	0.0	0.5	0.5	0.0	

standard and adapted CIELAB					
LAB*LAB	74.08	35.81	24.94		
LAB*LABa	74.08	35.81	24.94		
LAB*TCMa	75.0	43.63	34.85		

relative CIELAB lab*					
lab*lab	0.724	0.41	0.286		
lab*tch	0.75	0.5	0.097		
lab*nch	0.0	0.5	0.097		

relative Natural Colour (NC)					
lab*lrj	0.724	0.488	0.109		
lab*tce	0.75	0.5	0.035		
lab*nce	0.0	0.5	0.141		

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	

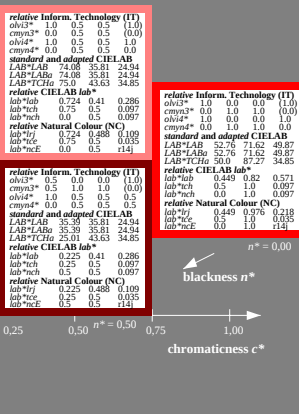
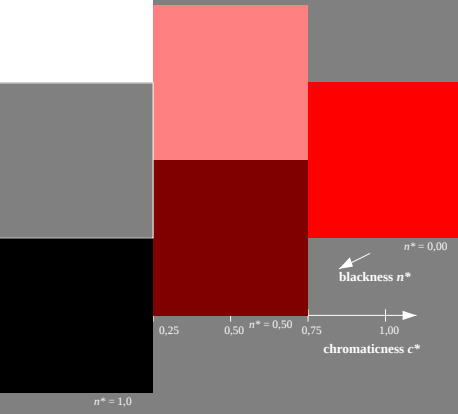
standard and adapted CIELAB					
LAB*LAB	35.39	35.81	24.94		
LAB*LABa	35.39	35.81	24.94		
LAB*TCMa	25.01	43.63	34.85		

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	
cmyn4*	0.0	1.0	1.0	0.0	

standard and adapted CIELAB					
LAB*LAB	52.76	71.62	49.87		
LAB*LABa	52.76	71.62	49.87		
LAB*TCMa	50.0	87.27	34.85		

relative CIELAB lab*					
lab*lab	0.449	0.82	0.571		
lab*tch	0.449	0.976	0.218		
lab*nch	0.0	1.0	0.035		

relative Natural Colour (NC)					
lab*lrj	0.449	0.976	0.218		
lab*tce	0.5	1.0	0.035		
lab*nce	0.0	1.0	0.141		

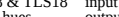


NE010-7, 3 step scales for constant CIELAB hue 38/360 = 0.105 (left)



BAM-test chart NE01; Colorimetric systems ORS18 & TLS18
D65: 3 step colour scales and coordinate data for 10 hues

3 step scales for constant CIELAB hue 35/360 = 0.097 (right)



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

