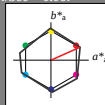


Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 24/360 = 0.067$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 53 84 24
olv*Ma: 1.0 0.0 0.0
triangle lightness t^*



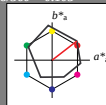
%Gamut
 $u^*_{rel} = 119$
%Regularity
 $g^*_{H,rel} = 47$
 $g^*_{C,rel} = 100$

NRS11; adapted (a) CIELAB data				
$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	53.2	77.06	34.32	84.36
YMa	53.2	-1.51	84.38	84.39
GMa	53.2	-82.27	18.98	84.44
G50BMa	53.2	-77.72	-32.98	84.44
BMa	53.2	4.37	-84.28	84.41
B50RMa	53.2	69.09	-48.41	84.37
NMa	10.99	0.0	0.0	0.0
WMa	95.41	0.0	0.0	0.0
RCIE	39.92	58.69	27.98	65.01
ICIE	81.26	-2.9	71.56	71.62
GCIE	52.23	-42.45	13.59	44.59
BCIE	30.57	1.35	-46.48	46.51

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
YMa	90.37	-10.27	91.77	92.34
LMa	50.9	-62.79	34.95	71.87
VMa	58.62	-30.35	-45.01	54.3
WMa	25.71	31.11	-44.42	54.24
NMa	48.13	75.27	-8.35	75.73
MMa	18.01	0.0	0.0	0.0
WMa	95.41	0.0	0.0	0.0
RCIE	39.92	58.66	26.98	64.56
ICIE	81.26	-2.17	67.76	67.79
GCIE	52.23	-42.26	11.75	43.87
BCIE	30.57	1.15	-46.84	46.87

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	

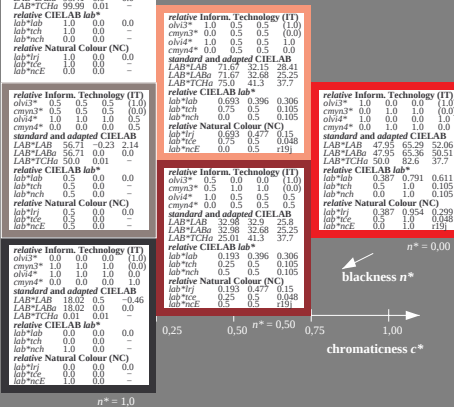
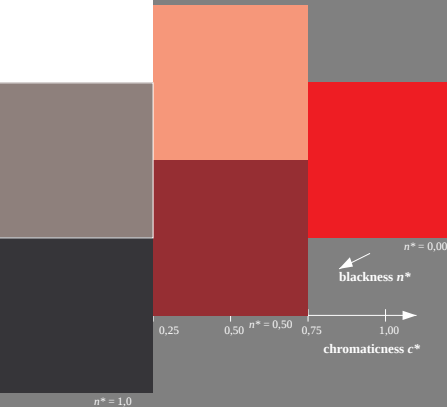
relative Inform. Technology (IT)				
olvi3*	1.0	0.0	0.0	(1.0)
cmyn3*	0.0	1.0	1.0	(0.0)
olvi4*	1.0	0.0	0.0	1.0
cmyn4*	0.0	1.0	1.0	0.0
standard and adapted CIELAB				
LAB*LAB	47.95	65.29	52.06	
LAB*Lab	47.95	65.36	50.51	
LAB*TChe	50.0	82.6	37.7	
relative CIELAB lab*				
lab*lab	0.387	0.791	0.611	
lab*tch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

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	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	0.0	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	0.0	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	0.0	0.5	0.191	

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	0.0	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	0.0	0.5	0.191	



UE07-0-7, 3 step scales for constant CIELAB hue 24/360 = 0.067 (left)

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

BAM-test chart UE07; Colorimetric systems NRS11 & ORS18
D65: 3 step colour scales and coordinate data for 10 hues

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