

BAM material: code=rha4ta

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 91/360 = 0.253$

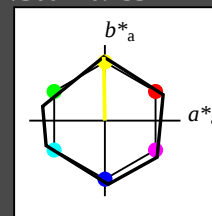
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 84 91

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 119$

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)
LAB*LAB	95.41	0.0	-0.01	
LAB*Lab	95.41	0.0	0.0	
LAB*TCa	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.75	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.75	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
LAB*LAB	84.85	-0.35	21.09	
LAB*Lab	84.85	-0.37	21.09	
LAB*TCa	87.5	21.09	91.03	

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
LAB*LAB	74.3	-0.72	42.18	
LAB*Lab	74.3	-0.75	42.18	
LAB*TCa	75.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.25	(1.0)
cmyn3*	0.0	0.0	0.25	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
LAB*LAB	63.75	-1.09	63.28	
LAB*Lab	63.75	-1.13	63.27	
LAB*TCa	62.5	63.28	91.03	

relative Inform. Technology (IT)

olvi3*	1.0	1.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-1.46	84.37	
LAB*Lab	53.2	-1.51	84.36	
LAB*TCa	50.0	84.37	91.03	

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	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
LAB*LAB	56.71	0.23	21.4	
LAB*Lab	56.71	0.21	21.4	
LAB*TCa	50.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-1.46	84.37	
LAB*Lab	53.2	-1.51	84.36	
LAB*TCa	50.0	84.37	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
LAB*LAB	55.45	-2.77	25.0	
LAB*Lab	55.45	-2.77	25.0	
LAB*TCa	50.0	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-1.46	84.37	
LAB*Lab	53.2	-1.51	84.36	
LAB*TCa	50.0	84.37	91.03	

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-1.46	84.37	
LAB*Lab	53.2	-1.51	84.36	
LAB*TCa	50.0	84.37	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.25	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*Lab	53.21	0.0	0.0	
LAB*TCa	50.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.21	0.04	0.0	
LAB*Lab	53.21	0.0	0.0	
LAB*TCa	50.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.0	(1.0)
cmyn3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	0.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)
LAB*LAB	53.2	-0.75	42.19	
LAB*Lab	53.2	-0.75	42.19	
LAB*TCa	50.0	42.19	91.03	

TE570-7, 5 step scales for constant CIELAB hue 91/360 = 0.253 (left)

5 step scales for constant CIELAB hue 96/360 = 0.268 (right)

BAM-test chart TE57; Colorimetric systems NRS11 & ORS18

D65: 2 coordinate data of 5 step colour scales for 10 hues

input: `olv* setrgbcolor`

output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 167/360 = 0.464$

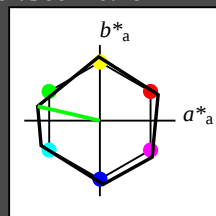
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 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 -0.01
 LAB*LABa 95.41 0.0 0.0
 LAB*TCHa 99.99 0.01 0.0

relative CIELAB lab*
 lab*lab 1.0 0.0 0.0
 lab*tch 1.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 1.0 0.0 0.0
 lab*tce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 74.31 0.02 0.0
 LAB*LABa 74.31 0.02 0.0
 LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.75 0.75 (1.0)
 lab*tch 0.75 0.75 0.75 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.75 0.75 0.75 (1.0)
 lab*tce 0.75 0.75 0.75 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 53.21 0.04 0.0
 LAB*LABa 53.21 0.04 0.0
 LAB*TCHa 50.00 0.01 -

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

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (0.0)
 cmyn3* 0.75 0.75 0.75 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 32.11 0.07 0.01
 LAB*LABa 32.11 0.07 0.01
 LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.25 0.25 (0.0)
 lab*tch 0.25 0.25 0.25 (0.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.25 0.25 (0.0)
 lab*tce 0.25 0.25 0.25 (0.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LABa 11.01 0.07 0.01
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 1.0 1.0 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

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	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

relative Inform. Technology (IT)
 olv3* 0.5 1.0 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.5 1.0 0.5 (1.0)
 cmyn4* 0.5 0.5 0.5 (0.0)
 standard and adapted CIELAB
 LAB*LAB 74.31 0.02 0.0
 LAB*LABa 74.31 0.02 0.0
 LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
 lab*lab 0.5 1.0 0.5 (1.0)
 lab*tch 0.5 1.0 0.5 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.5 1.0 0.5 (1.0)
 lab*tce 0.5 1.0 0.5 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.25 0.75 0.25 (1.0)
 cmyn3* 0.75 0.25 0.75 (0.0)
 olv4* 0.75 1.0 0.75 (1.0)
 cmyn4* 0.25 0.25 0.25 (0.0)
 standard and adapted CIELAB
 LAB*LAB 63.75 0.06 0.01
 LAB*LABa 63.75 0.06 0.01
 LAB*TCHa 62.5 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.75 0.25 (1.0)
 lab*tch 0.25 0.75 0.25 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.75 0.25 (1.0)
 lab*tce 0.25 0.75 0.25 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.75 0.0 (1.0)
 cmyn3* 0.75 0.25 0.75 (0.0)
 olv4* 0.75 1.0 0.75 (1.0)
 cmyn4* 0.0 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 53.21 0.04 0.0
 LAB*LABa 53.21 0.04 0.0
 LAB*TCHa 50.00 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.75 0.0 (1.0)
 lab*tch 0.0 0.75 0.0 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.75 0.0 (1.0)
 lab*tce 0.0 0.75 0.0 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.25 0.0 (1.0)
 cmyn3* 0.75 0.0 0.75 (0.0)
 olv4* 0.75 1.0 0.75 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 32.11 0.07 0.01
 LAB*LABa 32.11 0.07 0.01
 LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.25 0.0 (1.0)
 lab*tch 0.0 0.25 0.0 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.25 0.0 (1.0)
 lab*tce 0.0 0.25 0.0 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.5 0.0 (0.0)
 olv4* 1.0 0.5 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LABa 11.01 0.07 0.01
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.419$

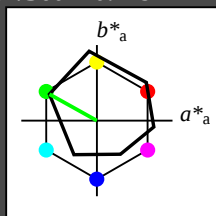
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 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*LABa 95.41 0.0 0.0
 LAB*TCHa 99.99 0.01 0.0

relative CIELAB lab*
 lab*lab 1.0 0.0 0.0
 lab*tch 1.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 1.0 0.0 0.0
 lab*tce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.06 -0.6 3.44
 LAB*LABa 76.06 0.0 0.0
 LAB*TCHa 75.00 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.75 0.75 (1.0)
 lab*tch 0.75 0.75 0.75 (1.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.75 0.75 0.75 (1.0)
 lab*tce 0.75 0.75 0.75 (1.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 0.23 2.14
 LAB*LABa 56.71 0.23 2.14
 LAB*TCHa 50.00 0.01 -

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

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (0.0)
 cmyn3* 0.75 0.75 0.75 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 32.11 0.07 0.01
 LAB*LABa 32.11 0.07 0.01
 LAB*TCHa 25.00 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.25 0.25 (0.0)
 lab*tch 0.25 0.25 0.25 (0.0)
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.25 0.25 0.25 (0.0)
 lab*tce 0.25 0.25 0.25 (0.0)
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 11.01 0.07 0.01
 LAB*LABa 11.01 0.07 0.01
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0 (0.0)
 lab*tch 0.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*trj 0.0 0.0 0.0
 lab*tce 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 1.0 0.0 0.0 (0.0)
 olv4* 1.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 0.01 0.01 0.0
 LAB*LABa 0.01 0.01 0.0
 LAB*TCHa 0.01 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 273/360 = 0.758$

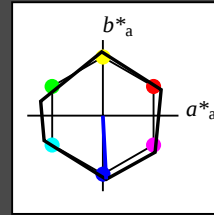
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 119$

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	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

%Gamut

$u^*_{rel} = 119$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$

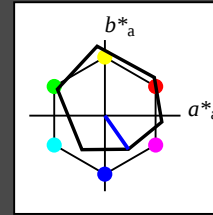
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 93$

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
CMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	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

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

%Gamut

$u^*_{rel} = 93$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.25$

$n^* = 1.50$

$n^* = 1.75$

$n^* = 2.00$

$n^* = 2.25$

$n^* = 2.50$

$n^* = 2.75$

$n^* = 3.00$

$n^* = 3.25$

$n^* = 3.50$

$n^* = 3.75$

$n^* = 4.00$

$n^* = 4.25$

$n^* = 4.50$

$n^* = 4.75$

$n^* = 5.00$

BAM-test chart TE57; Colorimetric systems NRS11 & ORS18

D65: 2 coordinate data of 5 step colour scales for 10 hues

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

TE570-7, 5 step scales for constant CIELAB hue 273/360 = 0.758 (left)

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

BAM-test chart TE57; Colorimetric systems NRS11 & ORS18

5 step scales for constant CIELAB hue 305/360 = 0.847 (right)

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 25/360 = 0.071$

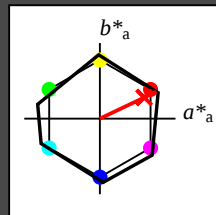
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 83 25

rgb*Ma: 1.0 0.03 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 119$

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	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.00

0.25

0.50

0.75

1.00

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 25/360 = 0.069$

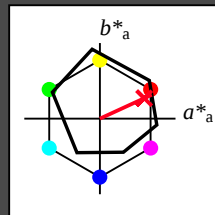
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 75 25

rgb*Ma: 1.0 0.0 0.32

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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
CLMa	58.62	-30.35	-45.01	54.3	236
VMa	25.71	31.11	-44.42	54.24	305
MMa	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

% Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

1.00

0.75

$n^* = 0.00$

0.25

$n^* = 0.25$

blackness n^*

$n^* = 0.50$

0.00

0.25

0.50

0.75

1.00

chromaticness c^*

TE570-7, 5 step scales for constant CIELAB hue 25/360 = 0.071 (left)

5 step scales for constant CIELAB hue 25/360 = 0.069 (right)

BAM-test chart TE57; Colorimetric systems NRS11 & ORS18

D65: 2 coordinate data of 5 step colour scales for 10 hues

input: $olv^* setrgbcolor$

output: $olv^* setrgbcolor / w^* setgray$

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 92/360 = 0.256$

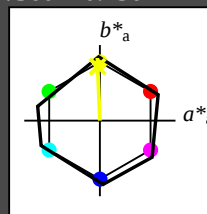
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness t^*



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	24
JMa	53.2	-1.51	84.38	84.39	91
GMa	53.2	-82.27	18.98	84.44	167
G50BMa	53.2	-77.72	-32.98	84.44	203
BMa	53.2	4.37	-84.28	84.41	273
B50RMa	53.2	69.09	-48.41	84.37	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 47$

$g^*_{C,rel} = 100$

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	-0.01
LAB*Lab	95.41	0.0	0.0
LAB*Lab	99.99	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.994	1.0	0.75	(1.0)
cmyn3*	0.006	0.0	0.25	(0.0)
olvi4*	0.994	1.0	0.75	(1.0)
cmyn4*	0.006	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	84.85	-0.81	20.72
LAB*Lab	84.85	-0.82	20.72
LAB*Lab	84.85	-0.82	20.72

relative Inform. Technology (IT)

olvi3*	0.989	1.0	0.5	(1.0)
cmyn3*	0.011	0.0	0.5	(0.0)
olvi4*	0.989	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	74.3	-1.64	41.44
LAB*Lab	74.3	-1.67	41.44
LAB*Lab	75.0	-1.47	42.32

relative Inform. Technology (IT)

olvi3*	0.983	1.0	0.25	(1.0)
cmyn3*	0.017	0.0	0.25	(0.0)
olvi4*	0.983	1.0	0.25	(1.0)
cmyn4*	0.017	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	63.75	-2.48	62.16
LAB*Lab	63.75	-2.51	62.15
LAB*Lab	62.5	-2.21	62.32

relative Inform. Technology (IT)

olvi3*	0.977	1.0	0.0	(1.0)
cmyn3*	0.023	0.0	0.0	(0.0)
olvi4*	0.977	1.0	0.0	(1.0)
cmyn4*	0.023	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	53.2	-3.31	82.87
LAB*Lab	53.2	-3.35	82.86
LAB*Lab	50.0	-4.17	92.33

relative Inform. Technology (IT)

olvi3*	0.973	0.75	0.0	(1.0)
cmyn3*	0.026	0.25	0.0	(0.0)
olvi4*	0.973	0.75	0.0	(1.0)
cmyn4*	0.026	0.25	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	63.75	-2.48	62.16
LAB*Lab	63.75	-2.51	62.15
LAB*Lab	62.5	-2.21	62.32

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
cmyn3*	0.25	0.25	0.25	(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	74.31	0.02	0.0
LAB*Lab	74.31	0.02	0.0
LAB*Lab	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.744	0.75	0.5	(1.0)
cmyn3*	0.256	0.25	0.25	(0.0)
olvi4*	0.994	1.0	0.75	(1.0)
cmyn4*	0.006	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	63.75	-0.8	20.73
LAB*Lab	63.75	-0.83	20.72
LAB*Lab	62.5	-0.74	22.33

relative Inform. Technology (IT)

olvi3*	0.739	0.75	0.25	(1.0)
cmyn3*	0.261	0.25	0.25	(0.0)
olvi4*	0.989	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	53.2	-1.63	41.45
LAB*Lab	53.2	-1.68	41.44
LAB*Lab	50.0	-4.17	92.33

relative Inform. Technology (IT)

olvi3*	0.733	0.75	0.0	(1.0)
cmyn3*	0.026	0.25	0.0	(0.0)
olvi4*	0.983	1.0	0.25	(1.0)
cmyn4*	0.017	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	63.75	-2.48	62.16
LAB*Lab	63.75	-2.51	62.15
LAB*Lab	62.5	-2.21	62.32

relative Inform. Technology (IT)

olvi3*	0.733	0.75	0.0	(1.0)
cmyn3*	0.026	0.25	0.0	(0.0)
olvi4*	0.983	1.0	0.25	(1.0)
cmyn4*	0.017	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	63.75	-2.48	62.16
LAB*Lab	63.75	-2.51	62.15
LAB*Lab	62.5	-2.21	62.32

relative Inform. Technology (IT)

olvi3*	0.725	0.75	0.0	(1.0)
cmyn3*	0.025	0.25	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	56.71	0.23	21.14
LAB*Lab	56.71	0.23	21.14
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.0	(1.0)
cmyn3*	0.25	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.694	0.5	0.25	(1.0)
cmyn3*	0.306	0.5	0.25	(0.0)
olvi4*	0.994	1.0	0.75	(1.0)
cmyn4*	0.006	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	42.65	-0.78	20.73
LAB*Lab	42.65	-0.83	20.72
LAB*Lab	37.5	-2.04	92.33

relative Inform. Technology (IT)

olvi3*	0.689	0.5	0.0	(1.0)
cmyn3*	0.311	0.5	0.0	(0.0)
olvi4*	0.989	1.0	0.5	(1.0)
cmyn4*	0.011	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.2	-1.63	41.45
LAB*Lab	53.2	-1.68	41.44
LAB*Lab	50.0	-4.17	92.33

relative Inform. Technology (IT)

olvi3*	0.683	0.5	0.25	(1.0)
cmyn3*	0.317	0.5	0.25	(0.0)
olvi4*	0.983	1.0	0.25	(1.0)
cmyn4*	0.017	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	42.65	-0.78	20.73
LAB*Lab	42.65	-0.83	20.72
LAB*Lab	37.5	-2.04	92.33

relative Inform. Technology (IT)

olvi3*	0.677	0.5	0.0	(1.0)
cmyn3*	0.323	0.5	0.0	(0.0)
olvi4*	0.977	1.0	0.0	(1.0)
cmyn4*	0.023	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	53.2	-3.31	82.87
LAB*Lab	53.2	-3.35	82.86
LAB*Lab	50.0	-4.17	92.33

relative Inform. Technology (IT)

olvi3*	0.673	0.5	0.25	(1.0)
cmyn3*	0.326	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	56.71	0.23	21.14
LAB*Lab	56.71	0.23	21.14
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.25	(1.0)
cmyn3*	0.375	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0
LAB*Lab	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.625	0.25	0.0	(1.0)
cmyn3*	0.375	0.25	0.0	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	53.21	0.04	0.0
LAB*Lab	53.21	0.04	0.0

Input: Colorimetric Reflective System NRS11

for hue $h^* = lab^*h = 162/360 = 0.451$

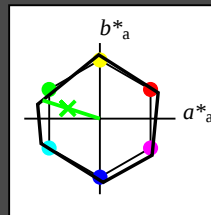
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 80 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 119$

relative Inform. Technology (IT)		
olvi3*	1.0	1.0
olvi4*	1.0	1.0
olvi5*	1.0	1.0
olvi6*	1.0	1.0
olvi7*	1.0	1.0
olvi8*	1.0	1.0
olvi9*	1.0	1.0
olvi10*	1.0	1.0
olvi11*	1.0	1.0
olvi12*	1.0	1.0
olvi13*	1.0	1.0
olvi14*	1.0	1.0
olvi15*	1.0	1.0
olvi16*	1.0	1.0
olvi17*	1.0	1.0
olvi18*	1.0	1.0
olvi19*	1.0	1.0
olvi20*	1.0	1.0
olvi21*	1.0	1.0
olvi22*	1.0	1.0
olvi23*	1.0	1.0
olvi24*	1.0	1.0
olvi25*	1.0	1.0
olvi26*	1.0	1.0
olvi27*	1.0	1.0
olvi28*	1.0	1.0
olvi29*	1.0	1.0
olvi30*	1.0	1.0
olvi31*	1.0	1.0
olvi32*	1.0	1.0
olvi33*	1.0	1.0
olvi34*	1.0	1.0
olvi35*	1.0	1.0
olvi36*	1.0	1.0
olvi37*	1.0	1.0
olvi38*	1.0	1.0
olvi39*	1.0	1.0
olvi40*	1.0	1.0
olvi41*	1.0	1.0
olvi42*	1.0	1.0
olvi43*	1.0	1.0
olvi44*	1.0	1.0
olvi45*	1.0	1.0
olvi46*	1.0	1.0
olvi47*	1.0	1.0
olvi48*	1.0	1.0
olvi49*	1.0	1.0
olvi50*	1.0	1.0
olvi51*	1.0	1.0
olvi52*	1.0	1.0
olvi53*	1.0	1.0
olvi54*	1.0	1.0
olvi55*	1.0	1.0
olvi56*	1.0	1.0
olvi57*	1.0	1.0
olvi58*	1.0	1.0
olvi59*	1.0	1.0
olvi60*	1.0	1.0
olvi61*	1.0	1.0
olvi62*	1.0	1.0
olvi63*	1.0	1.0
olvi64*	1.0	1.0
olvi65*	1.0	1.0
olvi66*	1.0	1.0
olvi67*	1.0	1.0
olvi68*	1.0	1.0
olvi69*	1.0	1.0
olvi70*	1.0	1.0
olvi71*	1.0	1.0
olvi72*	1.0	1.0
olvi73*	1.0	1.0
olvi74*	1.0	1.0
olvi75*	1.0	1.0
olvi76*	1.0	1.0
olvi77*	1.0	1.0
olvi78*	1.0	1.0
olvi79*	1.0	1.0
olvi80*	1.0	1.0
olvi81*	1.0	1.0
olvi82*	1.0	1.0
olvi83*	1.0	1.0
olvi84*	1.0	1.0
olvi85*	1.0	1.0
olvi86*	1.0	1.0
olvi87*	1.0	1.0
olvi88*	1.0	1.0
olvi89*	1.0	1.0
olvi90*	1.0	1.0
olvi91*	1.0	1.0
olvi92*	1.0	1.0
olvi93*	1.0	1.0
olvi94*	1.0	1.0
olvi95*	1.0	1.0
olvi96*	1.0	1.0
olvi97*	1.0	1.0
olvi98*	1.0	1.0
olvi99*	1.0	1.0
olvi100*	1.0	1.0

relative Inform. Technology (IT)		
olvi3*	0.75	0.75
olvi4*	0.75	0.75
olvi5*	0.75	0.75
olvi6*	0.75	0.75
olvi7*	0.75	0.75
olvi8*	0.75	0.75
olvi9*	0.75	0.75
olvi10*	0.75	0.75
olvi11*	0.75	0.75
olvi12*	0.75	0.75
olvi13*	0.75	0.75
olvi14*	0.75	0.75
olvi15*	0.75	0.75
olvi16*	0.75	0.75
olvi17*	0.75	0.75
olvi18*	0.75	0.75
olvi19*	0.75	0.75
olvi20*	0.75	0.75
olvi21*	0.75	0.75
olvi22*	0.75	0.75
olvi23*	0.75	0.75
olvi24*	0.75	0.75
olvi25*	0.75	0.75
olvi26*	0.75	0.75
olvi27*	0.75	0.75
olvi28*	0.75	0.75
olvi29*	0.75	0.75
olvi30*	0.75	0.75
olvi31*	0.75	0.75
olvi32*	0.75	0.75
olvi33*	0.75	0.75
olvi34*	0.75	0.75
olvi35*	0.75	0.75
olvi36*	0.75	0.75
olvi37*	0.75	0.75
olvi38*	0.75	0.75
olvi39*	0.75	0.75
olvi40*	0.75	0.75
olvi41*	0.75	0.75
olvi42*	0.75	0.75
olvi43*	0.75	0.75
olvi44*	0.75	0.75
olvi45*	0.75	0.75
olvi46*	0.75	0.75
olvi47*	0.75	0.75
olvi48*	0.75	0.75
olvi49*	0.75	0.75
olvi50*	0.75	0.75
olvi51*	0.75	0.75
olvi52*	0.75	0.75
olvi53*	0.75	0.75
olvi54*	0.75	0.75
olvi55*	0.75	0.75
olvi56*	0.75	0.75
olvi57*	0.75	0.75
olvi58*	0.75	0.75
olvi59*	0.75	0.75
olvi60*	0.75	0.75
olvi61*	0.75	0.75
olvi62*	0.75	0.75
olvi63*	0.75	0.75
olvi64*	0.75	0.75
olvi65*	0.75	0.75
olvi66*	0.75	0.75
olvi67*	0.75	0.75
olvi68*	0.75	0.75
olvi69*	0.75	0.75
olvi70*	0.75	0.75
olvi71*	0.75	0.75
olvi72*	0.75	0.75
olvi73*	0.75	0.75
olvi74*	0.75	0.75
olvi75*	0.75	0.75
olvi76*	0.75	0.75
olvi77*	0.75	0.75
olvi78*	0.75	0.75
olvi79*	0.75	0.75
olvi80*	0.75	0.75
olvi81*	0.75	0.75
olvi82*	0.75	0.75
olvi83*	0.75	0.75
olvi84*	0.75	0.75
olvi85*	0.75	0.75
olvi86*	0.75	0.75
olvi87*	0.75	0.75
olvi88*	0.75	0.75
olvi89*	0.75	0.75
olvi90*	0.75	0.75
olvi91*	0.75	0.75
olvi92*	0.75	0.75
olvi93*	0.75	0.75
olvi94*	0.75	0.75
olvi95*	0.75	0.75
olvi96*	0.75	0.75
olvi97*	0.75	0.75
olvi98*	0.75	0.75
olvi99*	0.75	0.75
olvi100*	0.75	0.75

relative Inform. Technology (IT)		
olvi3*	0.5	0.5
olvi4*	0.5	0.5
olvi5*	0.5	0.5
olvi6*	0.5	0.5
olvi7*	0.5	0.5
olvi8*	0.5	0.5
olvi9*	0.5	0.5
olvi10*	0.5	0.5
olvi11*	0.5	0.5
olvi12*	0.5	0.5
olvi13*	0.5	0.5
olvi14*	0.5	0.5
olvi15*	0.5	0.5
olvi16*	0.5	0.5
olvi17*	0.5	0.5
olvi18*	0.5	0.5
olvi19*	0.5	0.5
olvi20*	0.5	0.5
olvi21*	0.5	0.5
olvi22*	0.5	0.5
olvi23*	0.5	0.5
olvi24*	0.5	0.5
olvi25*	0.5	0.5
olvi26*	0.5	0.5
olvi27*	0.5	0.5
olvi28*	0.5	0.5
olvi29*	0.5	0.5
olvi30*	0.5	0.5
olvi31*	0.5	0.5
olvi32*	0.5	0.5
olvi33*	0.5	0.5
olvi34*	0.5	0.5
olvi35*	0.5	0.5
olvi36*	0.5	0.5
olvi37*	0.5	0.5
olvi38*	0.5	0.5
olvi39*	0.5	0.5
olvi40*	0.5	0.5
olvi41*	0.5	0.5
olvi42*	0.5	0.5
olvi43*	0.5	0.5
olvi44*	0.5	0.5
olvi45*	0.5	0.5
olvi46*	0.5	0.5
olvi47*	0.5	0.5
olvi48*	0.5	0.5
olvi49*	0.5	0.5
olvi50*	0.5	0.5
olvi51*	0.5	0.5
olvi52*	0.5	0.5
olvi53*	0.5	0.5
olvi54*	0.5	0.5
olvi55*	0.5	0.5
olvi56*	0.5	0.5
olvi57*	0.5	0.5
olvi58*	0.5	0.5
olvi59*	0.5	0.5
olvi60*	0.5	0.5
olvi61*	0.5	0.5
olvi62*	0.5	0.5
olvi63*	0.5	0.5
olvi64*	0.5	0.5
olvi65*	0.5	0.5
olvi66*	0.5	0.5
olvi67*	0.5	0.5
olvi68*	0.5	0.5
olvi69*	0.5	0.5
olvi70*	0.5	0.5
olvi71*	0.5	0.5
olvi72*	0.5	0.5
olvi73*	0.5	0.5
olvi74*	0.5	0.5
olvi75*	0.5	0.5
olvi76*	0.5	0.5
olvi77*	0.5	0.5
olvi78*	0.5	0.5
olvi79*	0.5	0.5
olvi80*	0.5	0.5
olvi81*	0.5	0.5
olvi82*	0.5	0.5
olvi83*	0.5	0.5
olvi84*	0.5	0.5
olvi85*	0.5	0.5
olvi86*	0.5	0.5
olvi87*	0.5	0.5
olvi88*	0.5	0.5
olvi89*	0.5	0.5
olvi90*	0.5	0.5
olvi91*	0.5	0.5
olvi92*	0.5	0.5
olvi93*	0.5	0.5
olvi94*	0.5	0.5
olvi95*	0.5	0.5
olvi96*	0.5	0.5
olvi97*	0.5	0.5
olvi98*	0.5	0.5
olvi99*	0.5	0.5
olvi100*	0.5	0.5

relative Inform. Technology (IT)		
olvi3*	0.25	0.25
olvi4*	0.25	0.25
olvi5*	0.25	0.25
olvi6*	0.25	0.25
olvi7*	0.25	0.25
olvi8*	0.25	0.25
olvi9*	0.25	0.25
olvi10*	0.25	0.25
olvi11*	0.25	0.25
olvi12*	0.25	0.25
olvi13*	0.25	0.25
olvi14*	0.25	0.25
olvi15*	0.25	0.25
olvi16*	0.25	0.25
olvi17*	0.25	0.25
olvi18*	0.25	0.25
olvi19*	0.25	0.25
olvi20*	0.25	0.25
olvi21*	0.25	0.25
olvi22*	0.25	0.25
olvi23*	0.25	0.25
olvi24*	0.25	0.25
olvi25*	0.25	0.25
olvi26*	0.25	0.25
olvi27*	0.25	0.25
olvi28*	0.25	0.25
olvi29*	0.25	0.25
olvi30*	0.25	0.25
olvi31*	0.25	0.25
olvi32*	0.25	0.25
olvi33*	0.25	0.25
olvi34*	0.25	0.25
olvi35*	0.25	0.25
olvi36*	0.25	0.25
olvi37*	0.25	0.25
olvi38*	0.25	0.25
olvi39*	0.25	0.25
olvi40*	0.25	0.25
olvi41*	0.25	0.25
olvi42*	0.25	0.25
olvi43*	0.25	0.25
olvi44*	0.25	0.25
olvi45*	0.25	0.25
olvi46*	0.25	0.25
olvi47*	0.25	0.25
olvi48*	0.25	0.25
olvi49*	0.25	0.25
olvi50*	0.25	0.25
olvi51*	0.25	0.25
olvi52*	0.25	0.25
olvi53*	0.25	0.25
olvi54*	0.25	0.25
olvi55*	0.25	0.25
olvi56*	0.25	0.25
olvi57*	0.25	0.25
olvi58*	0.25	0.25
olvi59*	0.25	0.25
olvi60*	0.25	0.25
olvi61*	0.25	0.25
olvi62*	0.25	0.25
olvi63*	0.25	0.25
olvi64*	0.25	0.25
olvi65*	0.25	0.25
olvi66*	0.25	0.25
olvi67*	0.25	0.25
olvi68*	0.25	0.25
olvi69*	0.25	0.25
olvi70*	0.25	0.25
olvi71*	0.25	0.25
olvi72*	0.25	0.25
olvi73*	0.25	0.25</

