

Input: Colorimetric Reflective System NRS11

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

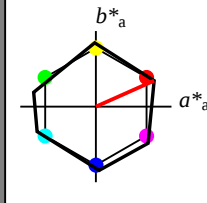
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



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*LABa 95.41 0.0 0.0
LAB*LABb 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 1.0 1.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

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*LABa 74.31 0.02 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.875 0.228 0.102
lab*tch 0.875 0.228 0.102
lab*nch 0.0 0.25 0.067
relative Natural Colour (NC)
lab*trj 0.875 0.228 -0.004
lab*tce 0.875 0.228 0.997
lab*nce 0.0 0.25 0.998

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 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.625 0.228 0.102
lab*tch 0.625 0.228 0.102
lab*nch 0.25 0.25 0.067
relative Natural Colour (NC)
lab*trj 0.625 0.228 -0.004
lab*tce 0.625 0.228 0.997
lab*nce 0.25 0.25 0.998

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 (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*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.375 0.228 0.102
lab*tch 0.375 0.228 0.102
lab*nch 0.5 0.5 0.0
relative Natural Colour (NC)
lab*trj 0.375 0.228 -0.004
lab*tce 0.375 0.228 0.997
lab*nce 0.5 0.5 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.125 0.228 0.102
lab*tch 0.125 0.228 0.102
lab*nch 0.75 0.75 0.0
relative Natural Colour (NC)
lab*trj 0.125 0.228 -0.004
lab*tce 0.125 0.228 0.997
lab*nce 0.75 0.75 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.07 0.01
LAB*LABa 0.01 0.07 0.01
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.228 0.102
lab*tch 0.0 0.228 0.102
lab*nch 1.0 1.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.228 -0.004
lab*tce 0.0 0.228 0.997
lab*nce 1.0 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.07 0.01
LAB*LABa 0.01 0.07 0.01
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.228 0.102
lab*tch 0.0 0.228 0.102
lab*nch 1.0 1.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.228 -0.004
lab*tce 0.0 0.228 0.997
lab*nce 1.0 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.07 0.01
LAB*LABa 0.01 0.07 0.01
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.228 0.102
lab*tch 0.0 0.228 0.102
lab*nch 1.0 1.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.228 -0.004
lab*tce 0.0 0.228 0.997
lab*nce 1.0 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.07 0.01
LAB*LABa 0.01 0.07 0.01
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.228 0.102
lab*tch 0.0 0.228 0.102
lab*nch 1.0 1.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.228 -0.004
lab*tce 0.0 0.228 0.997
lab*nce 1.0 1.0 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 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.07 0.01
LAB*LABa 0.01 0.07 0.01
LAB*LABb 0.00 0.00 0.0

relative CIELAB lab*
lab*lab 0.0 0.228 0.102
lab*tch 0.0 0.228 0.102
lab*nch 1.0 1.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.228 -0.004
lab*tce 0.0 0.228 0.997
lab*nce 1.0 1.0 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

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

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

blackness n^*

$n^* = 0.00$

chromaticness c^*

$c^* = 0.25$

$c^* = 0.50$

$c^* = 0.75$

$c^* = 1.00$

$c^* = 1.25$

$c^* = 1.50$

$c^* = 1.75$

$c^* = 2.00$

$c^* = 2.25$

$c^* = 2.50$

$c^* = 2.75$

$c^* = 3.00$

$c^* = 3.25$

$c^* = 3.50$

$c^* = 3.75$

$c^* = 4.00$

$c^* = 4.25$

$c^* = 4.50$

$c^* = 4.75$

$c^* = 5.00$

$c^* = 5.25$

$c^* = 5.50$

$c^* = 5.75$

$c^* = 6.00$

$c^* = 6.25$

$c^* = 6.50$

$c^* = 6.75$

$c^* = 7.00$

$c^* = 7.25$

$c^* = 7.50$

$c^* = 7.75$

$c^* = 8.00$

$c^* = 8.25$

$c^* = 8.50$

$c^* = 8.75$

$c^* = 9.00$

$c^* = 9.25$

$c^* = 9.50$

$c^* = 9.75$

$c^* = 10.00$

$c^* = 10.25$

$c^* = 10.50$

$c^* = 10.75$

$c^* = 11.00$

$c^* = 11.25$

$c^* = 11.50$

$c^* = 11.75$

$c^* = 12.00$

$c^* = 12.25$

$c^* = 12.50$

$c^* = 12.75$

$c^* = 13.00$

$c^* = 13.25$

$c^* = 13.50$

$c^* = 13.75$

$c^* = 14.00$

$c^* = 14.25$

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$c^* = 14.75$

$c^* = 15.00$

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$c^* = 16.00$

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$c^* = 16.50$

$c^* = 16.75$

$c^* = 17.00$

$c^* = 17.25$

$c^* = 17.50$

$c^* = 17.75$

$c^* = 18.00$

$c^* = 18.25$

$c^* = 18.50$

$c^* = 18.75$

$c^* = 19.00$

$c^* = 19.25$

$c^* = 19.50$

$c^* = 19.75$

$c^* = 20.00$

$c^* = 20.25$

$c^* = 20.50$

$c^* = 20.75$

$c^* = 21.00$

$c^* = 21.25$

$c^* = 21.50$

$c^* = 21.75$

$c^* = 22.00$

$c^* = 22.25$

$c^* = 22.50$

$c^* = 22.75$

$c^* = 23.00$

$c^* = 23.25$

$c^* = 23.50$

$c^* = 23.75$

$c^* = 24.00$

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$c^* = 24.50$

$c^* = 24.75$

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$c^* = 25.25$

$c^* = 25.50$

$c^* = 25.75$

$c^* = 26.00$

$c^* = 26.25$

$c^* = 26.50$

$c^* = 26.75$

$c^* = 27.00$

$c^* = 27.25$

$c^* = 27.50$

$c^* = 27.75$

$c^* = 28.00$

$c^* = 28.25$

$c^* = 28.50$

$c^* = 28.75$

$c^* = 29.00$

$c^* = 29.25$

$c^* = 29.50$

$c^* = 29.75$

$c^* = 30.00$

$c^* = 30.25$

$c^* = 30.50$

$c^* = 30.75$

$c^* = 31.00$

$c^* = 31.25$

$c^* = 31.50$

$c^* = 31.75$

$c^* = 32.00$

$c^* = 32.25$

$c^* = 32.50$

$c^* = 32.75$

$c^* = 33.00$

$c^* = 33.25$

$c^* = 33.50$

$c^* = 33.75$

$c^* = 34.00$

$c^* = 34.25$

$c^* = 34.50$

$c^* = 34.75$

$c^* = 35.00$

$c^* = 35.25$

$c^* = 35.50$

$c^* = 35.75$

$c^* = 36.00$

$c^* = 36.25$

Input: Colorimetric Reflective System NRS11

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

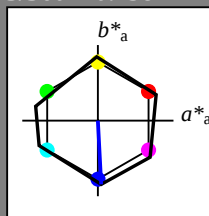
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 53 84 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 84.85 1.11 -21.06
LAB*LABa 84.85 1.09 -21.06
LAB*TCHa 97.5 21.09 272.97

relative Inform. Technology (IT)
olvi3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.3 2.21 -42.13
LAB*LABa 74.3 2.19 -42.13
LAB*TCHa 75.0 42.2 272.97

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 63.75 3.31 -63.2
LAB*LABa 63.75 3.29 -63.2
LAB*TCHa 62.5 63.3 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 0.75 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olvi4* 0.0 0.0 0.5 (1.0)
cmyn4* 0.0 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.125 (1.0)
cmyn3* 0.0 0.0 0.125 (0.0)
olvi4* 0.0 0.0 0.125 (1.0)
cmyn4* 0.0 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0625 (1.0)
cmyn3* 0.0 0.0 0.0625 (0.0)
olvi4* 0.0 0.0 0.0625 (1.0)
cmyn4* 0.0 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 53.2 4.37 -84.27
LAB*LABa 53.2 4.37 -84.27
LAB*TCHa 50.0 84.39 272.97

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (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 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 0.25 (1.0)
cmyn4* 0.0 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.125 (1.0)
cmyn3* 0.0 0.0 0.125 (0.0)
olvi4* 0.0 0.0 0.125 (1.0)
cmyn4* 0.0 0.0 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0625 (1.0)
cmyn3* 0.0 0.0 0.0625 (0.0)
olvi4* 0.0 0.0 0.0625 (1.0)
cmyn4* 0.0 0.0 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.03125 (1.0)
cmyn3* 0.0 0.0 0.03125 (0.0)
olvi4* 0.0 0.0 0.03125 (1.0)
cmyn4* 0.0 0.0 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.015625 (1.0)
cmyn3* 0.0 0.0 0.015625 (0.0)
olvi4* 0.0 0.0 0.015625 (1.0)
cmyn4* 0.0 0.0 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0078125 (1.0)
cmyn3* 0.0 0.0 0.0078125 (0.0)
olvi4* 0.0 0.0 0.0078125 (1.0)
cmyn4* 0.0 0.0 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.00390625 (1.0)
cmyn3* 0.0 0.0 0.00390625 (0.0)
olvi4* 0.0 0.0 0.00390625 (1.0)
cmyn4* 0.0 0.0 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.001953125 (1.0)
cmyn3* 0.0 0.0 0.001953125 (0.0)
olvi4* 0.0 0.0 0.001953125 (1.0)
cmyn4* 0.0 0.0 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

input: `olv* setrgbcolor`

output: *no change compared to input*

Input: Colorimetric Reflective System NRS11

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

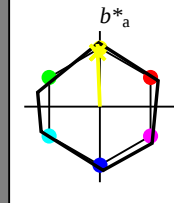
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 53 83 92

rgb*Ma: 0.98 1.0 0.0

triangle lightness t^*



% 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)
standard and adapted CIELAB
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* 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*TCa 97.5 20.73 92.31

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*TCa 75.0 41.47 92.32

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*TCa 62.5 62.21 92.32

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*TCa 50.0 82.93 92.32

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 42.65 -4.47 62.16
LAB*Lab 42.65 -4.52 62.15
LAB*TCa 37.5 62.22 92.33

relative Inform. Technology (IT)
olvi3* 0.969 0.5 0.0 (1.0)
cmyn3* 0.031 0.5 0.0 (0.0)
olvi4* 0.969 0.5 0.0 (1.0)
cmyn4* 0.031 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.1 -5.62 41.45
LAB*Lab 32.1 -5.67 41.44
LAB*TCa 30.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.965 0.25 0.0 (1.0)
cmyn3* 0.035 0.25 0.0 (0.0)
olvi4* 0.965 0.25 0.0 (1.0)
cmyn4* 0.035 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.1 -6.78 20.73
LAB*Lab 22.1 -6.83 20.72
LAB*TCa 20.0 20.73 92.33

relative Inform. Technology (IT)
olvi3* 0.961 0.0 0.0 (1.0)
cmyn3* 0.039 0.0 0.0 (0.0)
olvi4* 0.961 0.0 0.0 (1.0)
cmyn4* 0.039 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 -7.97 0.01
LAB*Lab 11.01 -8.02 0.00
LAB*TCa 0.01 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCa 0.01 0.01

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

blackness n^*

chromaticness c^*

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 92/360 = 0.255$

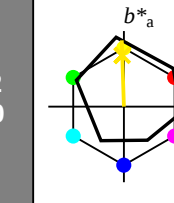
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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*TCa 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*TCa 97.5 20.73 92.31

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*TCa 75.0 41.47 92.32

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*TCa 62.5 62.21 92.32

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*TCa 50.0 82.93 92.32

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 42.65 -4.47 62.16
LAB*Lab 42.65 -4.52 62.15
LAB*TCa 37.5 62.22 92.33

relative Inform. Technology (IT)
olvi3* 0.969 0.5 0.0 (1.0)
cmyn3* 0.031 0.5 0.0 (0.0)
olvi4* 0.969 0.5 0.0 (1.0)
cmyn4* 0.031 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.1 -5.62 41.45
LAB*Lab 32.1 -5.67 41.44
LAB*TCa 30.0 41.47 92.33

relative Inform. Technology (IT)
olvi3* 0.965 0.25 0.0 (1.0)
cmyn3* 0.035 0.25 0.0 (0.0)
olvi4* 0.965 0.25 0.0 (1.0)
cmyn4* 0.035 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 22.1 -6.78 20.73
LAB*Lab 22.1 -6.83 20.72
LAB*TCa 20.0 20.73 92.33

relative Inform. Technology (IT)
olvi3* 0.961 0.0 0.0 (1.0)
cmyn3* 0.039 0.0 0.0 (0.0)
olvi4* 0.961 0.0 0.0 (1.0)
cmyn4* 0.039 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 -7.97 0.01
LAB*Lab 11.01 -8.02 0.00
LAB*TCa 0.01 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 0.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*Lab 11.01 0.0 0.0
LAB*TCa 0.01 0.01

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
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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 1.0$

blackness n^*

chromaticness c^*

TE570-7, 5 step scales for constant CIELAB hue 92/360 = 0.256 (left)

5 step scales for constant CIELAB hue 92/360 = 0.255 (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: `no change compared to input`

