

(

BAM material: code=rha4ta

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

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 290/360 = 0.807$

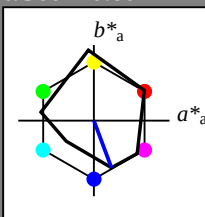
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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

%Regularity

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

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

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 0.01 0.0
LAB*LABa 95.41 0.01 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)
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 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.81 0.087 -0.233
lab*tch 0.875 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.81 0.087 -0.241
lab*tce 0.875 0.25 0.791
lab*nce 0.0 0.25 0.791

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 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.5 0.0 (0.0)
lab*tch 0.75 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0 (0.0)
lab*tce 0.75 0.5 0.0 (0.0)
lab*nce 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
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 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*TCHa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.62 0.25 0.807
lab*tch 0.625 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.56 0.094 -0.241
lab*tce 0.625 0.25 0.791
lab*nce 0.0 0.25 0.791

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 37.26 0.01 0.0
LAB*LABa 37.26 0.01 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.31 0.087 -0.233
lab*tch 0.375 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.31 0.087 -0.241
lab*tce 0.375 0.25 0.791
lab*nce 0.0 0.25 0.791

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 37.26 0.01 0.0
LAB*LABa 37.26 0.01 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.31 0.087 -0.233
lab*tch 0.375 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.31 0.087 -0.241
lab*tce 0.375 0.25 0.791
lab*nce 0.0 0.25 0.791

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.06 0.087 -0.233
lab*tch 0.125 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.06 0.087 -0.241
lab*tce 0.125 0.25 0.791
lab*nce 0.0 0.25 0.791

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.06 0.087 -0.233
lab*tch 0.125 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.06 0.087 -0.241
lab*tce 0.125 0.25 0.791
lab*nce 0.0 0.25 0.791

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.06 0.087 -0.233
lab*tch 0.125 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.06 0.087 -0.241
lab*tce 0.125 0.25 0.791
lab*nce 0.0 0.25 0.791

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 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.06 0.087 -0.233
lab*tch 0.125 0.25 0.807
lab*nch 0.0 0.25 0.807
relative Natural Colour (NC)
lab*trj 0.06 0.087 -0.241
lab*tce 0.125 0.25 0.791
lab*nce 0.0 0.25 0.791

TE560-7, 5 step scales for constant CIELAB hue 290/360 = 0.807 (left)

Output: Colorimetric Reflective System ORS18

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

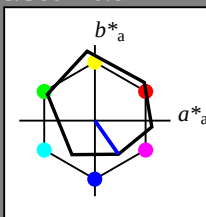
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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

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

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

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*LABa 95.41 0.01 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)
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 76.06 -0.6 3.44
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.5 0.0 (0.0)
lab*tch 0.75 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.75 0.5 0.0 (0.0)
lab*tce 0.75 0.5 0.0 (0.0)
lab*nce 0.0 0.5 0.0 (0.0)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
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 56.71 -0.23 2.14
LAB*LABa 56.71 0.05 0.0
LAB*TCHa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.5 0.0 (0.0)
lab*tch 0.5 0.5 0.0 (0.0)
lab*nch 0.0 0.5 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.5 0.5 0.0 (0.0)
lab*tce 0.5 0.5 0.0 (0.0)
lab*nce 0.0 0.5 0.0 (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 36.65 23.23 -62.26
LAB*LABa 36.65 23.23 -62.26
LAB*TCHa 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.0 (0.0)
lab*tch 0.25 0.25 0.0 (0.0)
lab*nch 0.0 0.25 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.0 (0.0)
lab*tce 0.25 0.25 0.0 (0.0)
lab*nce 0.0 0.25 0.0 (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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0 (0.0)
lab*nce 0.0 0.0 0.0 (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 37.26 0.01 0.0
LAB*LABa 37.26 0.01 0.0
LAB*TCHa 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.25 0.0 (0.0)
lab*tch 0.25 0.25 0.0 (0.0)
lab*nch 0.0 0.25 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.25 0.25 0.0 (0.0)
lab*tce 0.25 0.25 0.0 (0.0)
lab*nce 0.0 0.25 0.0 (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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0 (0.0)
lab*nce 0.0 0.0 0.0 (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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0 (0.0)
lab*nce 0.0 0.0 0.0 (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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0 (0.0)
lab*tch 0.0 0.0 0.0 (0.0)
lab*nch 0.0 0.0 0.0 (0.0)
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0 (0.0)
lab*tce 0.0 0.0 0.0 (0.0)
lab*nce 0.0 0.0 0.0 (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 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.00 0.0
LAB*LABa 18.02 0.00 0.0
LAB*TCHa 0.01 0.01 0.0

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

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

BAM-test chart TE56; Colorimetric systems MRS18a & ORS18 input: $olv^*setrgbcolor$

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

output: no change compared to input

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 323/360 = 0.896$

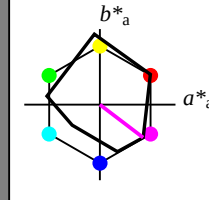
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 323

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



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

%Regularity

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

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

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.41	0.01	0.0
LAB*Lab	95.41	0.01	0.0
LAB*Lab	95.41	0.01	0.0
LAB*Lab	95.41	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0
lab*lab	0.0	0.0	1.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	0.0	1.0	0.0
lab*trj	0.0	0.0	1.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	76.06	0.03	0.0
LAB*Lab	76.06	0.03	0.0
LAB*Lab	76.06	0.03	0.0
LAB*Lab	76.06	0.03	0.0

relative CIELAB lab*

lab*lab	0.895	0.199	-0.15
lab*lab	0.895	0.199	-0.15
lab*lab	0.895	0.199	-0.15
lab*lab	0.895	0.199	-0.15

relative Natural Colour (NC)

lab*trj	0.895	0.199	-0.15
lab*trj	0.895	0.199	-0.15
lab*trj	0.895	0.199	-0.15
lab*trj	0.895	0.199	-0.15

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	56.71	0.05	0.0
LAB*Lab	56.71	0.05	0.0
LAB*Lab	56.71	0.05	0.0
LAB*Lab	56.71	0.05	0.0

relative CIELAB lab*

lab*lab	0.555	0.199	-0.15
lab*lab	0.555	0.199	-0.15
lab*lab	0.555	0.199	-0.15
lab*lab	0.555	0.199	-0.15

relative Natural Colour (NC)

lab*trj	0.555	0.199	-0.15
lab*trj	0.555	0.199	-0.15
lab*trj	0.555	0.199	-0.15
lab*trj	0.555	0.199	-0.15

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	37.36	0.01	0.0
LAB*Lab	37.36	0.01	0.0
LAB*Lab	37.36	0.01	0.0
LAB*Lab	37.36	0.01	0.0

relative CIELAB lab*

lab*lab	0.305	0.199	-0.15
lab*lab	0.305	0.199	-0.15
lab*lab	0.305	0.199	-0.15
lab*lab	0.305	0.199	-0.15

relative Natural Colour (NC)

lab*trj	0.305	0.199	-0.15
lab*trj	0.305	0.199	-0.15
lab*trj	0.305	0.199	-0.15
lab*trj	0.305	0.199	-0.15

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	18.02	0.02	0.0
LAB*Lab	18.02	0.02	0.0
LAB*Lab	18.02	0.02	0.0
LAB*Lab	18.02	0.02	0.0

relative CIELAB lab*

lab*lab	0.055	0.199	-0.15
lab*lab	0.055	0.199	-0.15
lab*lab	0.055	0.199	-0.15
lab*lab	0.055	0.199	-0.15

relative Natural Colour (NC)

lab*trj	0.055	0.199	-0.15
lab*trj	0.055	0.199	-0.15
lab*trj	0.055	0.199	-0.15
lab*trj	0.055	0.199	-0.15

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0
LAB*Lab	0.01	0.01	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 354/360 = 0.982$

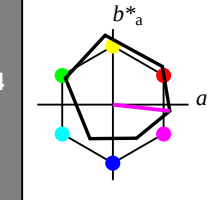
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



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

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

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

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.41	-0.97	4.75
LAB*Lab	95.41	-0.97	4.75
LAB*Lab	95.41	-0.97	4.75
LAB*Lab	95.41	-0.97	4.75

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0
lab*lab	0.0	0.0	1.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	0.0	1.0	0.0
lab*trj	0.0	0.0	1.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	76.06	-0.6	3.44
LAB*Lab	76.06	-0.6	3.44
LAB*Lab	76.06	-0.6	3.44
LAB*Lab	76.06	-0.6	3.44

relative CIELAB lab*

lab*lab	0.847	0.248	-0.027
lab*lab	0.847	0.248	-0.027
lab*lab	0.847	0.248	-0.027
lab*lab	0.847	0.248	-0.027

relative Natural Colour (NC)

lab*trj	0.847	0.248	-0.027
lab*trj	0.847	0.248	-0.027
lab*trj	0.847	0.248	-0.027
lab*trj	0.847	0.248	-0.027

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	56.71	0.23	2.14
LAB*Lab	56.71	0.23	2.14
LAB*Lab	56.71	0.23	2.14
LAB*Lab	56.71	0.23	2.14

relative CIELAB lab*

lab*lab	0.5	0.5	0.0
lab*lab	0.5	0.5	0.0
lab*lab	0.5	0.5	0.0
lab*lab	0.5	0.5	0.0

relative Natural Colour (NC)

lab*trj	0.5	0.5	0.0
lab*trj	0.5	0.5	0.0
lab*trj	0.5	0.5	0.0
lab*trj	0.5	0.5	0.0

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	37.36	0.13	0.32
LAB*Lab	37.36	0.13	0.32
LAB*Lab	37.36	0.13	0.32
LAB*Lab	37.36	0.13	0.32

relative CIELAB lab*

lab*lab	0.347	0.227	-0.103
lab*lab	0.347	0.227	-0.103
lab*lab	0.347	0.227	-0.103
lab*lab	0.347	0.227	-0.103

relative Natural Colour (NC)

lab*trj	0.347	0.227	-0.103
lab*trj	0.347	0.227	-0.103
lab*trj	0.347	0.227	-0.103
lab*trj	0.347	0.227	-0.103

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)

Input: Colorimetric Reflective System MRS18a

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

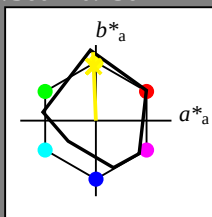
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 91 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 92$

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 0.01 0.0
LAB*LABa 95.41 0.01 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 0.0 0.0
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 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 75.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
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 56.71 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 50.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.01 0.0
LAB*LABa 18.02 0.01 0.0
LAB*LABb 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

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

% Regularity

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.73 -0.91 22.65
LAB*LABa 93.73 -0.91 22.66
LAB*LABb 97.5 0.25 92.33

relative CIELAB lab*
lab*lab 0.978 -0.009 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.978 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.274 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 74.38 -0.88 22.66
LAB*LABa 74.38 -0.88 22.66
LAB*LABb 74.38 -0.91 22.66

relative CIELAB lab*
lab*lab 0.726 -0.009 0.25
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.726 0.0 0.25
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.512 0.75 (0.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 55.03 -0.86 22.67
LAB*LABa 55.03 -0.86 22.67
LAB*LABb 55.03 -0.91 22.66

relative CIELAB lab*
lab*lab 0.478 -0.009 0.25
lab*tch 0.375 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.478 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.0 0.25 0.25

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 0.988 0.75 (0.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -0.84 22.67
LAB*LABa 33.58 -0.84 22.67
LAB*LABb 33.58 -0.91 22.66

relative CIELAB lab*
lab*lab 0.228 -0.009 0.25
lab*tch 0.125 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.228 0.0 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.0 0.25 0.25

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 1.0 0.964 0.25 (1.0)
cmyn3* 0.0 0.036 0.75 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 90.38 -2.75 67.96
LAB*LABa 90.38 -2.75 67.96
LAB*LABb 90.38 -2.75 67.96

relative CIELAB lab*
lab*lab 0.957 -0.019 0.499
lab*tch 0.75 0.5 0.25
lab*nch 0.0 0.5 0.25
relative Natural Colour (NC)
lab*trj 0.957 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.714 0.0 (1.0)
cmyn3* 0.25 0.274 0.75 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 72.71 -1.8 45.32
LAB*LABa 72.71 -1.8 45.31
LAB*LABb 72.71 -1.84 45.31

relative CIELAB lab*
lab*lab 0.714 0.0 0.5
lab*tch 0.625 0.75 0.25
lab*nch 0.0 0.75 0.25
relative Natural Colour (NC)
lab*trj 0.714 0.0 0.5
lab*tce 0.625 0.75 0.25
lab*nce 0.0 0.75 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.512 0.75 (0.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 55.03 -0.86 22.67
LAB*LABa 55.03 -0.86 22.67
LAB*LABb 55.03 -0.91 22.66

relative CIELAB lab*
lab*lab 0.478 -0.009 0.25
lab*tch 0.375 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.478 0.0 0.25
lab*tce 0.375 0.25 0.25
lab*nce 0.0 0.25 0.25

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 0.964 0.25 (1.0)
cmyn4* 0.0 0.036 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 33.58 -0.84 22.67
LAB*LABa 33.58 -0.84 22.67
LAB*LABb 33.58 -0.91 22.66

relative CIELAB lab*
lab*lab 0.228 -0.009 0.25
lab*tch 0.125 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.228 0.0 0.25
lab*tce 0.125 0.25 0.25
lab*nce 0.0 0.25 0.25

$n^* = 0.25$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 0.23 21.4
LAB*LABa 56.71 0.23 21.4
LAB*LABb 50.00 0.01 0.0

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

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 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.5
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.5

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 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 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 0.0

$n^* = 0.00$

Output: Colorimetric Reflective System ORS18

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

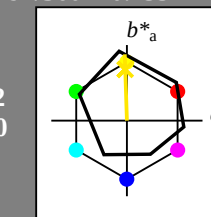
lab^*tch and lab^*nch

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*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 0.0 0.0
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 76.06 -0.6 3.44
LAB*LABa 76.06 -0.6 3.44
LAB*LABb 75.00 0.01 0.0

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 56.71 0.23 21.4
LAB*LABa 56.71 0.23 21.4
LAB*LABb 50.00 0.01 0.0

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

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 (0.5)
cmyn4* 0.0 0.0 0.5 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.5
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.5

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 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*LABb 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 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 1.0 0.0 0.0

$n^* = 1.0$

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
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

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.975 0.75 (1.0)
cmyn3* 0.0 0.025 0.25 (0.0)
olvi4* 1.0 0.975 0.75 (1.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.1 -1.64 26.52
LAB*LABa 93.1 -1.64 26.52
LAB*LABb 97.5 0.25 91.86

relative CIELAB lab*
lab*lab 0.97 -0.007 0.25
lab*tch 0.875 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.97 0.0 0.25
lab*tce 0.875 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.75 0.725 0.25 (1.0)
cmyn3* 0.25 0.275 0.75 (0.0)
olvi4* 1.0 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -1.26 25.22
LAB*LABa 73.75 -1.26 25.22
LAB*LABb 73.75 -1.26 25.22

relative CIELAB lab*
lab*lab 0.725 -0.015 0.5
lab*tch 0.625 0.25 0.25
lab*nch 0.0 0.25 0.25
relative Natural Colour (NC)
lab*trj 0.725 0.0 0.5
lab*tce 0.625 0.25 0.25
lab*nce 0.0 0.25 0.25

relative Inform. Technology (IT)
olvi3* 0.5 0.512 0.75 (0.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.975 0.75 (0.0)
cmyn4* 0.0 0.025 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 54.4 -0

Input: Colorimetric Reflective System MRS18a

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

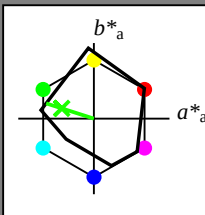
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 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 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*TCHa 97.5 16.57 162.27

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 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*TCHa 75.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.28 -15.73 5.05
LAB*LABa 66.28 -15.73 5.05
LAB*TCHa 62.5 16.57 162.27

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 56.71 0.01 0.0
LAB*LABa 56.71 0.01 0.0
LAB*TCHa 50.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 46.30 -15.71 5.06
LAB*LABa 46.30 -15.71 5.06
LAB*TCHa 37.5 16.57 162.27

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 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 27.16 -15.47 10.11
LAB*LABa 27.16 -15.47 10.11
LAB*TCHa 20.0 0.01 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 18.02 0.01 0.0
LAB*LABa 18.02 0.01 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 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 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 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 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 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 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 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 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 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 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

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

%Regularity

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

$g^*_{C,rel} = 46$

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 75.86 -31.51 10.1
LAB*LABa 75.86 -31.51 10.1
LAB*TCHa 75.0 33.13 162.26

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 66.08 -47.28 15.15
LAB*LABa 66.08 -47.28 15.15
LAB*TCHa 62.5 49.7 162.26

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.55 10.99
LAB*LABa 56.31 -31.55 10.99
LAB*TCHa 50.0 33.13 162.27

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 46.30 -15.71 5.06
LAB*LABa 46.30 -15.71 5.06
LAB*TCHa 37.5 16.57 162.27

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.01 0.0
LAB*LABa 37.36 0.01 0.0
LAB*TCHa 25.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 27.16 -15.47 10.11
LAB*LABa 27.16 -15.47 10.11
LAB*TCHa 20.0 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.01 0.0
LAB*LABa 18.02 0.01 0.0
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
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relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
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LAB*TCHa 0.01 0.01 0.0

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olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
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relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
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relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
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LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
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relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.554 1.0 0.5 (1.0)
cmyn3* 0.446 0.0 0.5 (0.0)
olvi4* 0.554 1.0 0.5 (1.0)
cmyn4* 0.446 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 0.75 0.25 0.000
LAB*LABa 0.75 0.25 0.000
LAB*TCHa 0.01 0.01 0.0

Output: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 164/360 = 0.457$

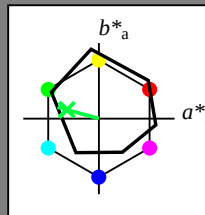
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

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 -0.97 4.75
LAB*LABa 95.41 0.01 0.0
LAB*TCHa 99.99 0.01 0.0

