

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 38/360 = 0.105$

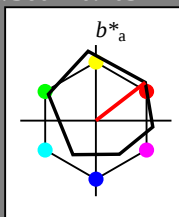
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 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 47.5
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 0.0 0.0
LAB*LABb 75.00 0.01 -

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 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*LABb 55.00 0.01 -

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 (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 37.36 -0.38 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 35.00 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LABa 18.02 0.0 0.0
LAB*LABb 18.00 0.01 -

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

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 83.54 15.58 16.58
LAB*LABa 83.54 16.34 12.62
LAB*LABb 87.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.847 0.198 0.153
lab*tch 0.875 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.847 0.238 0.075
lab*tce 0.875 0.25 0.048
lab*nce 0.0 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.96 15.28
LAB*LABa 64.19 16.34 12.63
LAB*LABb 62.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.597 0.198 0.153
lab*tch 0.625 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.597 0.238 0.075
lab*tce 0.625 0.25 0.048
lab*nce 0.25 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 44.81 16.33 13.98
LAB*LABa 44.81 16.34 12.63
LAB*LABb 42.5 20.65 37.7

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.25 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.238 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.25 0.25 0.19

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 22.98 32.9 37.8
LAB*LABa 22.98 32.68 25.25
LAB*LABb 25.01 41.3 37.7

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.193 0.477 0.15
lab*tce 0.25 0.5 0.048
lab*nce 0.0 0.5 0.19

$n^* = 0.50$

$n^* = 0.25$

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Output: Colorimetric Reflective System NRS11

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

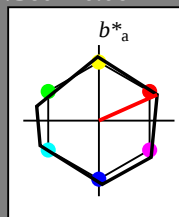
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 53 84 24

rgb*Ma: 1.0 0.0 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*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 74.31 0.02 0.0
LAB*LABa 74.31 0.0 0.0
LAB*LABb 75.00 0.01 -

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 53.21 0.4 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 50.00 0.01 -

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 (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 32.11 0.05 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.01 -

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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.00 0.01 -

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

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

relative Inform. Technology (IT)
olvi3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 84.85 19.28 8.58
LAB*LABa 84.85 19.26 8.58
LAB*LABb 87.5 20.68 24.01

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

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.5 (1.0)
cmyn3* 0.25 0.5 0.5 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 63.75 19.3 8.59
LAB*LABa 63.75 19.26 8.58
LAB*LABb 62.5 20.68 24.01

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

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (0.0)
olvi4* 1.0 0.75 0.75 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 42.65 19.32 8.59
LAB*LABa 42.65 19.26 8.58
LAB*LABb 42.5 20.68 24.01

relative CIELAB lab*
lab*lab 0.375 0.228 0.102
lab*tch 0.375 0.25 0.067
lab*nch 0.25 0.25 0.067
relative Natural Colour (NC)
lab*trj 0.375 0.25 0.004
lab*tce 0.375 0.25 0.997
lab*nce 0.25 0.25 0.998

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.0 0.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 21.05 32.9 37.8
LAB*LABa 21.05 32.68 25.25
LAB*LABb 25.01 41.3 37.7

relative CIELAB lab*
lab*lab 0.125 0.396 0.306
lab*tch 0.125 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*trj 0.125 0.477 0.15
lab*tce 0.125 0.5 0.048
lab*nce 0.0 0.5 0.19

$n^* = 0.50$

$n^* = 0.25$

$n^* = 0.25$

$n^* = 0.25$

$n^* = 0.25$

$n^* = 0.25$

$n^* = 0.25$

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^$

Input: Colorimetric Reflective System ORS18

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

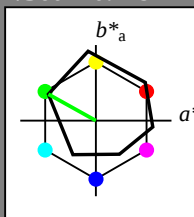
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

$L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

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

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

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	47.5
LAB*Lab	95.41	0.0	0.0
LAB*TCMa	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	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.28	-16.45	12.74
LAB*Lab	84.28	-15.68	8.73
LAB*TCMa	97.5	17.96	150.91

relative CIELAB lab*

lab*lab	0.856	-0.217	0.122
lab*tch	0.875	0.25	0.419
lab*nch	0.0	0.25	0.419

relative Natural Colour (NC)

lab*trj	0.856	-0.238	0.072
lab*tce	0.875	0.25	0.453
lab*nce	0.0	0.25	0.419

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	73.15	-31.94	20.73
LAB*Lab	73.15	-31.36	17.47
LAB*TCMa	75.0	35.93	150.91

relative CIELAB lab*

lab*lab	0.712	-0.436	0.243
lab*tch	0.75	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.712	-0.478	0.144
lab*tce	0.75	0.5	0.453
lab*nce	0.0	0.5	0.419

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	62.02	-47.43	28.71
LAB*Lab	62.02	-47.09	26.21
LAB*TCMa	62.5	53.9	150.91

relative CIELAB lab*

lab*lab	0.569	-0.654	0.365
lab*tch	0.625	0.75	0.419
lab*nch	0.0	0.75	0.419

relative Natural Colour (NC)

lab*trj	0.569	-0.717	0.217
lab*tce	0.625	0.75	0.453
lab*nce	0.0	0.75	0.419

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	50.9	-62.91	36.69
LAB*Lab	50.9	-62.78	34.94
LAB*TCMa	50.0	71.86	150.91

relative CIELAB lab*

lab*lab	0.425	-0.873	0.486
lab*tch	0.5	1.0	0.419
lab*nch	0.0	1.0	0.419

relative Natural Colour (NC)

lab*trj	0.425	-0.956	0.289
lab*tce	0.5	1.0	0.453
lab*nce	0.0	1.0	0.419

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	42.68	-47.06	27.41
LAB*Lab	42.68	-47.09	26.21
LAB*TCMa	37.51	53.9	150.91

relative CIELAB lab*

lab*lab	0.319	-0.654	0.365
lab*tch	0.375	0.75	0.419
lab*nch	0.0	0.75	0.419

relative Natural Colour (NC)

lab*trj	0.319	-0.717	0.217
lab*tce	0.375	0.75	0.453
lab*nce	0.0	0.75	0.419

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	34.46	-31.2	18.11
LAB*Lab	34.46	-31.36	17.47
LAB*TCMa	35.0	35.93	150.91

relative CIELAB lab*

lab*lab	0.213	-0.436	0.243
lab*tch	0.25	0.5	0.419
lab*nch	0.0	0.5	0.419

relative Natural Colour (NC)

lab*trj	0.213	-0.478	0.144
lab*tce	0.25	0.5	0.453
lab*nce	0.0	0.5	0.419

relative Inform. Technology (IT)

olvi3*	0.0	0.0	1.0	(1.0)
cmyn3*	0.0	1.0	0.0	(0.0)
olvi4*	0.0	0.0	1.0	(1.0)
cmyn4*	0.0	1.0	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*TCMa	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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*Lab	18.02	0.0	0.0
LAB*TCMa	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	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)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*Lab	18.02	0.0	0.0
LAB*TCMa	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	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)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*Lab	18.02	0.0	0.0
LAB*TCMa	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	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)

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

standard and adapted CIELAB

LAB*LAB	18.02	0.0	0.0
LAB*Lab	18.02	0.0	0.0
LAB*TCMa	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	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 NRS11

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

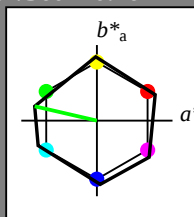
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 84 167

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



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*TCMa	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	1.0	0.75	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	0.75	1.0	0.75	(1.0)
cmyn4*	0.25	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	84.85	-20.33	4.74
LAB*Lab	84.85	-20.35	4.74
LAB*TCMa	87.5	21.1	167.01

relative CIELAB lab*

lab*lab	0.875	-0.248	-0.016
lab*tch	0.875	0.25	0.464
lab*nch	0.0	0.25	0.464

relative Natural Colour (NC)

lab*trj	0.875	-0.248	-0.016
lab*tce	0.875	0.25	0.511
lab*nce	0.0	0.25	0.464

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	74.31	-31.94	20.73
LAB*Lab	74.31	-31.36	17.47
LAB*TCMa	75.0	0.0	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

ive Inform. Technology (IT)

* 0.25	1.0	0.25	(1.0)
3* 0.75	0.0	0.75	(0.0)
* 0.25	1.0	0.25	1.0
4* 0.75	0.0	0.75	0.0

ard and adapted CIELAB

*LAB	63.75	-61.66	14.24
*LABa	63.75	-61.69	14.23

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 236/360 = 0.656$

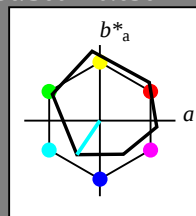
lab^*tch and lab^*nch

D65: hue C

LCH*Ma: 59 54 236

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

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

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

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 47.5
LAB*LABa 95.41 0.0 0.0
LAB*TCMa 99.99 0.01

relative Inform. Technology (IT)
olvi3* 0.75 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.75 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 86.21 -8.38 -7.1
LAB*LABa 86.21 -7.58 -11.24
LAB*TCMa 87.5 13.57 236.01

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 (1.0)
cmyn4* 0.5 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 77.01 -15.16 -19.98
LAB*LABa 77.01 -15.16 -22.25
LAB*TCMa 75.0 27.15 236.01

relative Inform. Technology (IT)
olvi3* 0.25 1.0 1.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 0.25 1.0 1.0 (1.0)
cmyn4* 0.25 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 67.81 -23.21 -30.86
LAB*LABa 67.81 -23.21 -33.75
LAB*TCMa 62.5 40.72 236.01

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 57.66 -15.17 -22.25
LAB*LABa 57.66 -15.17 -22.25
LAB*TCMa 50.0 27.15 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 0.0 0.5 0.5 (0.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 58.62 -30.34 -45.01
LAB*LABa 58.62 -30.34 -45.01
LAB*TCMa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (0.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.25 0.25 (0.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.125 0.125 (0.0)
cmyn3* 0.0 0.125 0.125 (0.0)
olvi4* 0.0 0.125 0.125 (0.0)
cmyn4* 0.0 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0625 0.0625 (0.0)
cmyn3* 0.0 0.0625 0.0625 (0.0)
olvi4* 0.0 0.0625 0.0625 (0.0)
cmyn4* 0.0 0.0625 0.0625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.03125 0.03125 (0.0)
cmyn3* 0.0 0.03125 0.03125 (0.0)
olvi4* 0.0 0.03125 0.03125 (0.0)
cmyn4* 0.0 0.03125 0.03125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.015625 0.015625 (0.0)
cmyn3* 0.0 0.015625 0.015625 (0.0)
olvi4* 0.0 0.015625 0.015625 (0.0)
cmyn4* 0.0 0.015625 0.015625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0078125 0.0078125 (0.0)
cmyn3* 0.0 0.0078125 0.0078125 (0.0)
olvi4* 0.0 0.0078125 0.0078125 (0.0)
cmyn4* 0.0 0.0078125 0.0078125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00390625 0.00390625 (0.0)
cmyn3* 0.0 0.00390625 0.00390625 (0.0)
olvi4* 0.0 0.00390625 0.00390625 (0.0)
cmyn4* 0.0 0.00390625 0.00390625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.001953125 0.001953125 (0.0)
cmyn3* 0.0 0.001953125 0.001953125 (0.0)
olvi4* 0.0 0.001953125 0.001953125 (0.0)
cmyn4* 0.0 0.001953125 0.001953125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0009765625 0.0009765625 (0.0)
cmyn3* 0.0 0.0009765625 0.0009765625 (0.0)
olvi4* 0.0 0.0009765625 0.0009765625 (0.0)
cmyn4* 0.0 0.0009765625 0.0009765625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00048828125 0.00048828125 (0.0)
cmyn3* 0.0 0.00048828125 0.00048828125 (0.0)
olvi4* 0.0 0.00048828125 0.00048828125 (0.0)
cmyn4* 0.0 0.00048828125 0.00048828125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000244140625 0.000244140625 (0.0)
cmyn3* 0.0 0.000244140625 0.000244140625 (0.0)
olvi4* 0.0 0.000244140625 0.000244140625 (0.0)
cmyn4* 0.0 0.000244140625 0.000244140625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0001220703125 0.0001220703125 (0.0)
cmyn3* 0.0 0.0001220703125 0.0001220703125 (0.0)
olvi4* 0.0 0.0001220703125 0.0001220703125 (0.0)
cmyn4* 0.0 0.0001220703125 0.0001220703125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00006103515625 0.00006103515625 (0.0)
cmyn3* 0.0 0.00006103515625 0.00006103515625 (0.0)
olvi4* 0.0 0.00006103515625 0.00006103515625 (0.0)
cmyn4* 0.0 0.00006103515625 0.00006103515625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000030517578125 0.000030517578125 (0.0)
cmyn3* 0.0 0.000030517578125 0.000030517578125 (0.0)
olvi4* 0.0 0.000030517578125 0.000030517578125 (0.0)
cmyn4* 0.0 0.000030517578125 0.000030517578125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000152587890625 0.0000152587890625 (0.0)
cmyn3* 0.0 0.0000152587890625 0.0000152587890625 (0.0)
olvi4* 0.0 0.0000152587890625 0.0000152587890625 (0.0)
cmyn4* 0.0 0.0000152587890625 0.0000152587890625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00000762939453125 0.00000762939453125 (0.0)
cmyn3* 0.0 0.00000762939453125 0.00000762939453125 (0.0)
olvi4* 0.0 0.00000762939453125 0.00000762939453125 (0.0)
cmyn4* 0.0 0.00000762939453125 0.00000762939453125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000003814697265625 0.000003814697265625 (0.0)
cmyn3* 0.0 0.000003814697265625 0.000003814697265625 (0.0)
olvi4* 0.0 0.000003814697265625 0.000003814697265625 (0.0)
cmyn4* 0.0 0.000003814697265625 0.000003814697265625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000019073486328125 0.0000019073486328125 (0.0)
cmyn3* 0.0 0.0000019073486328125 0.0000019073486328125 (0.0)
olvi4* 0.0 0.0000019073486328125 0.0000019073486328125 (0.0)
cmyn4* 0.0 0.0000019073486328125 0.0000019073486328125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00000095367431640625 0.00000095367431640625 (0.0)
cmyn3* 0.0 0.00000095367431640625 0.00000095367431640625 (0.0)
olvi4* 0.0 0.00000095367431640625 0.00000095367431640625 (0.0)
cmyn4* 0.0 0.00000095367431640625 0.00000095367431640625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000000476837158203125 0.000000476837158203125 (0.0)
cmyn3* 0.0 0.000000476837158203125 0.000000476837158203125 (0.0)
olvi4* 0.0 0.000000476837158203125 0.000000476837158203125 (0.0)
cmyn4* 0.0 0.000000476837158203125 0.000000476837158203125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000002384185791015625 0.0000002384185791015625 (0.0)
cmyn3* 0.0 0.0000002384185791015625 0.0000002384185791015625 (0.0)
olvi4* 0.0 0.0000002384185791015625 0.0000002384185791015625 (0.0)
cmyn4* 0.0 0.0000002384185791015625 0.0000002384185791015625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00000011920928955078125 0.00000011920928955078125 (0.0)
cmyn3* 0.0 0.00000011920928955078125 0.00000011920928955078125 (0.0)
olvi4* 0.0 0.00000011920928955078125 0.00000011920928955078125 (0.0)
cmyn4* 0.0 0.00000011920928955078125 0.00000011920928955078125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000000059604644775390625 0.000000059604644775390625 (0.0)
cmyn3* 0.0 0.000000059604644775390625 0.000000059604644775390625 (0.0)
olvi4* 0.0 0.000000059604644775390625 0.000000059604644775390625 (0.0)
cmyn4* 0.0 0.000000059604644775390625 0.000000059604644775390625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000000298023223876953125 0.0000000298023223876953125 (0.0)
cmyn3* 0.0 0.0000000298023223876953125 0.0000000298023223876953125 (0.0)
olvi4* 0.0 0.0000000298023223876953125 0.0000000298023223876953125 (0.0)
cmyn4* 0.0 0.0000000298023223876953125 0.0000000298023223876953125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00000001490116119384765625 0.00000001490116119384765625 (0.0)
cmyn3* 0.0 0.00000001490116119384765625 0.00000001490116119384765625 (0.0)
olvi4* 0.0 0.00000001490116119384765625 0.00000001490116119384765625 (0.0)
cmyn4* 0.0 0.00000001490116119384765625 0.00000001490116119384765625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000000007450580596923828125 0.000000007450580596923828125 (0.0)
cmyn3* 0.0 0.000000007450580596923828125 0.000000007450580596923828125 (0.0)
olvi4* 0.0 0.000000007450580596923828125 0.000000007450580596923828125 (0.0)
cmyn4* 0.0 0.000000007450580596923828125 0.000000007450580596923828125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000000037252902984619140625 0.0000000037252902984619140625 (0.0)
cmyn3* 0.0 0.0000000037252902984619140625 0.0000000037252902984619140625 (0.0)
olvi4* 0.0 0.0000000037252902984619140625 0.0000000037252902984619140625 (0.0)
cmyn4* 0.0 0.0000000037252902984619140625 0.0000000037252902984619140625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.00000000186264514923095703125 0.00000000186264514923095703125 (0.0)
cmyn3* 0.0 0.00000000186264514923095703125 0.00000000186264514923095703125 (0.0)
olvi4* 0.0 0.00000000186264514923095703125 0.00000000186264514923095703125 (0.0)
cmyn4* 0.0 0.00000000186264514923095703125 0.00000000186264514923095703125 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.000000000931322574615478515625 0.000000000931322574615478515625 (0.0)
cmyn3* 0.0 0.000000000931322574615478515625 0.000000000931322574615478515625 (0.0)
olvi4* 0.0 0.000000000931322574615478515625 0.000000000931322574615478515625 (0.0)
cmyn4* 0.0 0.000000000931322574615478515625 0.000000000931322574615478515625 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01

relative Inform. Technology (IT)
olvi3* 0.0 0.0000000004656612873077392578125 0.0000000004656612873077392578125 (0.0)
cmyn3* 0.0 0.0000000004656612873077392578125 0.0000000004656612873077392578125 (0.0)
olvi4* 0.0 0.0000000004656612873077392578125 0.0000000004656612873077392578125 (0.0)
cmyn4* 0.0 0.000000000465

Input: Colorimetric Reflective System ORS18

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

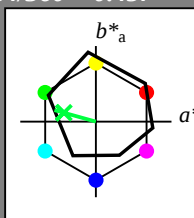
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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

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

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

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	0.0	0.0	0.0	(0.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.75	1.0	0.812	(1.0)
olvi4*	0.25	0.0	0.388	(0.0)
olvi5*	0.75	1.0	0.812	(1.0)
olvi6*	0.25	0.0	0.388	(0.0)
olvi7*	0.75	1.0	0.812	(1.0)
olvi8*	0.25	0.0	0.388	(0.0)
olvi9*	0.75	1.0	0.812	(1.0)
olvi10*	0.25	0.0	0.388	(0.0)
olvi11*	0.75	1.0	0.812	(1.0)
olvi12*	0.25	0.0	0.388	(0.0)
olvi13*	0.75	1.0	0.812	(1.0)
olvi14*	0.25	0.0	0.388	(0.0)
olvi15*	0.75	1.0	0.812	(1.0)
olvi16*	0.25	0.0	0.388	(0.0)
olvi17*	0.75	1.0	0.812	(1.0)
olvi18*	0.25	0.0	0.388	(0.0)
olvi19*	0.75	1.0	0.812	(1.0)
olvi20*	0.25	0.0	0.388	(0.0)
olvi21*	0.75	1.0	0.812	(1.0)
olvi22*	0.25	0.0	0.388	(0.0)
olvi23*	0.75	1.0	0.812	(1.0)
olvi24*	0.25	0.0	0.388	(0.0)
olvi25*	0.75	1.0	0.812	(1.0)
olvi26*	0.25	0.0	0.388	(0.0)
olvi27*	0.75	1.0	0.812	(1.0)
olvi28*	0.25	0.0	0.388	(0.0)
olvi29*	0.75	1.0	0.812	(1.0)
olvi30*	0.25	0.0	0.388	(0.0)
olvi31*	0.75	1.0	0.812	(1.0)
olvi32*	0.25	0.0	0.388	(0.0)
olvi33*	0.75	1.0	0.812	(1.0)
olvi34*	0.25	0.0	0.388	(0.0)
olvi35*	0.75	1.0	0.812	(1.0)
olvi36*	0.25	0.0	0.388	(0.0)
olvi37*	0.75	1.0	0.812	(1.0)
olvi38*	0.25	0.0	0.388	(0.0)
olvi39*	0.75	1.0	0.812	(1.0)
olvi40*	0.25	0.0	0.388	(0.0)
olvi41*	0.75	1.0	0.812	(1.0)
olvi42*	0.25	0.0	0.388	(0.0)
olvi43*	0.75	1.0	0.812	(1.0)
olvi44*	0.25	0.0	0.388	(0.0)
olvi45*	0.75	1.0	0.812	(1.0)
olvi46*	0.25	0.0	0.388	(0.0)
olvi47*	0.75	1.0	0.812	(1.0)
olvi48*	0.25	0.0	0.388	(0.0)
olvi49*	0.75	1.0	0.812	(1.0)
olvi50*	0.25	0.0	0.388	(0.0)
olvi51*	0.75	1.0	0.812	(1.0)
olvi52*	0.25	0.0	0.388	(0.0)
olvi53*	0.75	1.0	0.812	(1.0)
olvi54*	0.25	0.0	0.388	(0.0)
olvi55*	0.75	1.0	0.812	(1.0)
olvi56*	0.25	0.0	0.388	(0.0)
olvi57*	0.75	1.0	0.812	(1.0)
olvi58*	0.25	0.0	0.388	(0.0)
olvi59*	0.75	1.0	0.812	(1.0)
olvi60*	0.25	0.0	0.388	(0.0)
olvi61*	0.75	1.0	0.812	(1.0)
olvi62*	0.25	0.0	0.388	(0.0)
olvi63*	0.75	1.0	0.812	(1.0)
olvi64*	0.25	0.0	0.388	(0.0)
olvi65*	0.75	1.0	0.812	(1.0)
olvi66*	0.25	0.0	0.388	(0.0)
olvi67*	0.75	1.0	0.812	(1.0)
olvi68*	0.25	0.0	0.388	(0.0)
olvi69*	0.75	1.0	0.812	(1.0)
olvi70*	0.25	0.0	0.388	(0.0)
olvi71*	0.75	1.0	0.812	(1.0)
olvi72*	0.25	0.0	0.388	(0.0)
olvi73*	0.75	1.0	0.812	(1.0)
olvi74*	0.25	0.0	0.388	(0.0)
olvi75*	0.75	1.0	0.812	(1.0)
olvi76*	0.25	0.0	0.388	(0.0)
olvi77*	0.75	1.0	0.812	(1.0)
olvi78*	0.25	0.0	0.388	(0.0)
olvi79*	0.75	1.0	0.812	(1.0)
olvi80*	0.25	0.0	0.388	(0.0)
olvi81*	0.75	1.0	0.812	(1.0)
olvi82*	0.25	0.0	0.388	(0.0)
olvi83*	0.75	1.0	0.812	(1.0)
olvi84*	0.25	0.0	0.388	(0.0)
olvi85*	0.75	1.0	0.812	(1.0)
olvi86*	0.25	0.0	0.388	(0.0)
olvi87*	0.75	1.0	0.812	(1.0)
olvi88*	0.25	0.0	0.388	(0.0)
olvi89*	0.75	1.0	0.812	(1.0)
olvi90*	0.25	0.0	0.388	(0.0)
olvi91*	0.75	1.0	0.812	(1.0)
olvi92*	0.25	0.0	0.388	(0.0)
olvi93*	0.75	1.0	0.812	(1.0)
olvi94*	0.25	0.0	0.388	(0.0)
olvi95*	0.75	1.0	0.812	(1.0)
olvi96*	0.25	0.0	0.388	(0.0)
olvi97*	0.75	1.0	0.812	(1.0)
olvi98*	0.25	0.0	0.388	(0.0)
olvi99*	0.75	1.0	0.812	(1.0)
olvi100*	0.25	0.0	0.388	(0.0)

relative Inform. Technology (IT)				
olvi3*	0.5	1.0	0.623	(1.0)
olvi3*	0.5	0.0	0.377	(0.0)
olvi4*	0.5	1.0	0.623	(1.0)
olvi4*	0.5	0.0	0.377	(0.0)
standard and adapted CIELAB				
LAB*LAB	74.1	-27.96	10.94	
LAB*Lab _a	74.1	-27.99	73.62	
LAB*TC _h a	75.0	28.44	164.4	
relative CIELab lab*				
lab*lab	0.725	-0.481	0.134	
lab*lab	0.75	0.0	0.537	
lab*nch	0.0	0.5	0.437	
relative Natural Colour (Nc)				
lab*lrj	0.725	-0.499	0.0	
lab*tc _e	0.75	0.5	0.0	
lab*nC _e	0.0	0.5	g00b	

C	M	Y	O	L	V
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