

Input: Colorimetric Reflective System ORS18

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

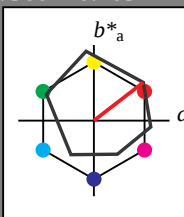
$lab \cdot tch$ and $lab \cdot nch$

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 93$

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 95.41 0.0 0.0
LAB*LABc 95.41 0.0 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*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 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 76.06 0.0 0.0
LAB*LABc 76.06 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*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 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 56.71 0.0 0.0
LAB*LABc 56.71 0.0 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*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 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 -0.08 0.63
LAB*LABa 37.36 0.0 0.0
LAB*LABb 37.36 0.0 0.0
LAB*LABc 37.36 0.0 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*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 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 18.02 0.0 0.0
LAB*LABc 18.02 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 0.01 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0

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
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 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.15 28.41
LAB*LABb 71.67 32.15 28.41
LAB*LABc 71.67 32.15 28.41

relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 52.33 32.53 27.11
LAB*LABa 52.33 32.53 27.11
LAB*LABb 52.33 32.53 27.11
LAB*LABc 52.33 32.53 27.11

relative CIELAB lab*
lab*lab 0.443 0.477 0.15
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105
relative Natural Colour (NC)
lab*lab 0.443 0.477 0.15
lab*tch 0.75 0.5 0.105
lab*nch 0.0 0.5 0.105

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 32.98 32.68 25.25
LAB*LABa 32.98 32.68 25.25
LAB*LABb 32.98 32.68 25.25
LAB*LABc 32.98 32.68 25.25

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*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.0 0.5 0.105

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 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.16 16.7 12.62
LAB*LABa 25.16 16.7 12.62
LAB*LABb 25.16 16.7 12.62
LAB*LABc 25.16 16.7 12.62

relative CIELAB lab*
lab*lab 0.097 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*lab 0.097 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.0 0.25 0.105

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 18.02 0.0 0.0
LAB*LABc 18.02 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 1.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 59.81 48.72 40.24
LAB*LABa 59.81 48.72 40.24
LAB*LABb 59.81 48.72 40.24
LAB*LABc 59.81 48.72 40.24

relative CIELAB lab*
lab*lab 0.54 0.593 0.459
lab*tch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105
relative Natural Colour (NC)
lab*lab 0.54 0.593 0.459
lab*tch 0.625 0.75 0.105
lab*nch 0.0 0.75 0.105

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 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 47.95 65.29 52.06
LAB*LABa 47.95 65.29 52.06
LAB*LABb 47.95 65.29 52.06
LAB*LABc 47.95 65.29 52.06

relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*tch 0.5 0.0 0.105
lab*nch 0.0 0.0 0.105
relative Natural Colour (NC)
lab*lab 0.387 0.791 0.611
lab*tch 0.5 0.0 0.105
lab*nch 0.0 0.0 0.105

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.25 0.25 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.26 16.77 10.02
LAB*LABa 45.26 16.77 10.02
LAB*LABb 45.26 16.77 10.02
LAB*LABc 45.26 16.77 10.02

relative CIELAB lab*
lab*lab 0.352 0.248 0.032
lab*tch 0.5 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*lab 0.352 0.248 0.032
lab*tch 0.5 0.25 0.086
lab*nch 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.0 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 33.82 33.39 20.01
LAB*LABa 33.82 33.39 20.01
LAB*LABb 33.82 33.39 20.01
LAB*LABc 33.82 33.39 20.01

relative CIELAB lab*
lab*lab 0.204 0.429 0.257
lab*tch 0.25 0.0 0.086
lab*nch 0.0 0.0 0.086
relative Natural Colour (NC)
lab*lab 0.204 0.429 0.257
lab*tch 0.25 0.0 0.086
lab*nch 0.0 0.0 0.086

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 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 0.01 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab \cdot h = 31/360 = 0.086$

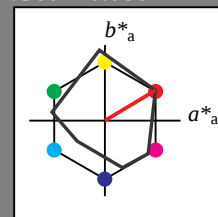
$lab \cdot tch$ and $lab \cdot nch$

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 92$

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 95.41 0.01 0.0
LAB*LABc 95.41 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*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 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 76.06 0.03 0.0
LAB*LABc 76.06 0.03 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*lab 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 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 56.71 0.05 0.0
LAB*LABc 56.71 0.05 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*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 0.0
lab*nch 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 0.07 0.0
LAB*LABa 37.36 0.07 0.0
LAB*LABb 37.36 0.07 0.0
LAB*LABc 37.36 0.07 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*lab 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 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 18.02 0.0 0.0
LAB*LABc 18.02 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 0.01 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*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 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

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.52 33.43 20.01
LAB*LABa 72.52 33.43 20.01
LAB*LABb 72.52 33.43 20.01
LAB*LABc 72.52 33.43 20.01

relative CIELAB lab*
lab*lab 0.704 0.429 0.257
lab*tch 0.75 0.5 0.086
lab*nch 0.0 0.5 0.086
relative Natural Colour (NC)
lab*lab 0.704 0.429 0.257
lab*tch 0.75 0.5 0.086
lab*nch 0.0 0.5 0.086

relative Inform. Technology (IT)
olvi3* 0.75 0.25 0.25 (1.0)
cmyn3* 0.25 0.75 0.75 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.17 33.46 20.03
LAB*LABa 53.17 33.46 20.03
LAB*LABb 53.17 33.46 20.03
LAB*LABc 53.17 33.46 20.03

relative CIELAB lab*
lab*lab 0.556 0.744 0.096
lab*tch 0.625 0.75 0.086
lab*nch 0.0 0.75 0.086
relative Natural Colour (NC)
lab*lab

Input: Colorimetric Reflective System ORS18

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

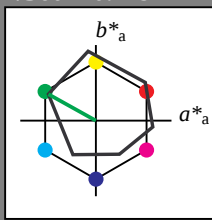
lab^*tch and lab^*nch

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	50.9	-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

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

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

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 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*LABa 84.28 -15.68 8.73
LAB*TCMa 97.5 17.7 170.85

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*LABa 73.15 -31.36 17.47
LAB*TCMa 75.0 35.93 150.91

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*LABa 62.02 -47.09 26.21
LAB*TCMa 62.5 53.9 150.91

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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TCMa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 64.93 -16.09 11.44
LAB*LABa 64.93 -15.69 8.74
LAB*TCMa 62.5 17.97 150.91

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 53.8 -31.57 19.42
LAB*LABa 53.8 -31.39 17.47
LAB*TCMa 50.0 35.94 150.91

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (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 42.68 -47.06 27.41
LAB*LABa 42.68 -47.09 26.21
LAB*TCMa 42.5 53.9 150.91

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 33.8 -31.57 19.42
LAB*LABa 33.8 -31.39 17.47
LAB*TCMa 50.0 35.94 150.91

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.5 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 45.38 -15.72 10.13
LAB*LABa 45.38 -15.69 8.74
LAB*TCMa 42.5 17.97 150.91

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.125 0.5 (0.0)
olvi4* 0.75 1.0 0.75 (0.75)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 33.8 -31.57 19.42
LAB*LABa 33.8 -31.39 17.47
LAB*TCMa 50.0 35.94 150.91

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olvi4* 0.5 1.0 0.5 (0.5)
cmyn4* 0.25 0.0 0.25 (0.25)
standard and adapted CIELAB
LAB*LAB 25.0 0.01 -

UE510-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & ORS18

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

input: `cmY0* setcmykcolor`

output: `Startup (S) data dependent`

Input: Colorimetric Reflective System ORS18

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

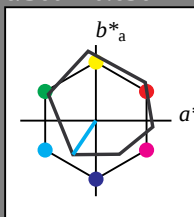
lab^*tch and lab^*nch

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 -15.79 -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 -22.75 -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 56.71 -30.62 -42.73
LAB*LABa 56.71 -30.34 -45.01
LAB*TCMa 50.0 54.29 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.75 0.75 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 48.41 -22.83 -33.16
LAB*LABa 48.41 -22.75 -33.75
LAB*TCMa 37.51 40.72 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 0.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 41.11 -18.09 -6.76
LAB*LABa 41.11 -18.13 -6.78
LAB*TCMa 37.5 11.4 216.52

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.25 0.25 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 31.52 -13.53 -13.56
LAB*LABa 31.52 -13.31 -13.56
LAB*TCMa 25.01 22.8 216.52

relative Inform. Technology (IT)
olvi3* 0.0 0.125 0.125 (1.0)
cmyn3* 0.0 0.125 0.125 (0.0)
olvi4* 0.0 0.125 0.125 (1.0)
cmyn4* 0.0 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 24.77 -9.15 -6.77
LAB*LABa 24.77 -9.15 -6.77
LAB*TCMa 12.5 11.4 216.52

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*LABa 18.02 0.0 0.0
LAB*TCMa 0.01 0.01 -

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 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 37.36 -0.87 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCMa 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.5 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 47.51 -7.64 -9.72
LAB*LABa 47.51 -7.58 -11.25
LAB*TCMa 37.5 13.58 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.0 0.25 0.25 (1.0)
cmyn4* 0.25 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 38.12 -15.03 -19.99
LAB*LABa 38.12 -15.16 -22.25
LAB*TCMa 25.01 27.15 236.01

relative Inform. Technology (IT)
olvi3* 0.0 0.125 0.125 (1.0)
cmyn3* 0.125 0.125 0.125 (0.0)
olvi4* 0.0 0.125 0.125 (1.0)
cmyn4* 0.125 0.125 0.125 (0.0)
standard and adapted CIELAB
LAB*LAB 28.17 -7.58 -11.02
LAB*LABa 28.17 -7.58 -11.24
LAB*TCMa 12.5 13.57 236.01

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*LABa 18.02 0.0 0.0
LAB*TCMa 0.01 0.01 -

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*LABa 18.02 0.0 0.0
LAB*TCMa 0.01 0.01 -

UE510-7, 5 step scales for constant CIELAB hue 236/360 = 0.656 (left)

5 step scales for constant CIELAB hue 217/360 = 0.601 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & ORS18

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

input: $cmY0^* setcmykcolor$

output: Startup (S) data dependend

Input: Colorimetric Reflective System ORS18

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

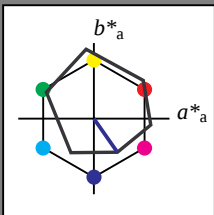
$lab \cdot tch$ and $lab \cdot nch$

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



relative Inform. Technology (IT)
 olv3* 1.0 1.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 95.41 -0.97 7.5
 LAB*Lab 95.41 0.0 0.0
 LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.75 0.75 1.0 (1.0)
 cmyn3* 0.25 0.25 0.0 (0.0)
 olv4* 0.75 0.75 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 77.98 7.13 -7.51
 LAB*Lab 77.98 7.13 -11.09
 LAB*TCa 87.5 13.55 305.0

relative Inform. Technology (IT)
 olv3* 0.5 0.5 1.0 (1.0)
 cmyn3* 0.5 0.5 0.0 (0.0)
 olv4* 0.5 0.5 1.0 (1.0)
 cmyn4* 0.5 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 60.56 15.24 -19.79
 LAB*Lab 60.56 15.24 -22.2
 LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.25 0.25 1.0 (1.0)
 cmyn3* 0.25 0.25 0.0 (0.0)
 olv4* 0.25 0.25 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 43.14 23.35 -33.31
 LAB*Lab 43.14 23.35 -33.31
 LAB*TCa 62.5 0.07 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 1.0 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.72 31.46 -44.36
 LAB*Lab 25.72 31.46 -44.36
 LAB*TCa 50.0 54.23 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.5 (0.5)
 cmyn3* 0.0 0.0 0.5 (0.5)
 olv4* 0.0 0.0 0.5 (0.5)
 cmyn4* 0.0 0.0 0.5 (0.5)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.25 (0.25)
 cmyn3* 0.0 0.0 0.25 (0.25)
 olv4* 0.0 0.0 0.25 (0.25)
 cmyn4* 0.0 0.0 0.25 (0.25)
 standard and adapted CIELAB
 LAB*LAB 13.13 13.13 0.0
 LAB*Lab 13.13 13.13 0.0
 LAB*TCa 9.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.125 (0.125)
 cmyn3* 0.0 0.0 0.125 (0.125)
 olv4* 0.0 0.0 0.125 (0.125)
 cmyn4* 0.0 0.0 0.125 (0.125)
 standard and adapted CIELAB
 LAB*LAB 9.99 9.99 0.0
 LAB*Lab 9.99 9.99 0.0
 LAB*TCa 7.5 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0625 (0.0625)
 cmyn3* 0.0 0.0 0.0625 (0.0625)
 olv4* 0.0 0.0 0.0625 (0.0625)
 cmyn4* 0.0 0.0 0.0625 (0.0625)
 standard and adapted CIELAB
 LAB*LAB 7.5 7.5 0.0
 LAB*Lab 7.5 7.5 0.0
 LAB*TCa 6.25 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.03125 (0.03125)
 cmyn3* 0.0 0.0 0.03125 (0.03125)
 olv4* 0.0 0.0 0.03125 (0.03125)
 cmyn4* 0.0 0.0 0.03125 (0.03125)
 standard and adapted CIELAB
 LAB*LAB 6.25 6.25 0.0
 LAB*Lab 6.25 6.25 0.0
 LAB*TCa 5.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.015625 (0.015625)
 cmyn3* 0.0 0.0 0.015625 (0.015625)
 olv4* 0.0 0.0 0.015625 (0.015625)
 cmyn4* 0.0 0.0 0.015625 (0.015625)
 standard and adapted CIELAB
 LAB*LAB 5.0 5.0 0.0
 LAB*Lab 5.0 5.0 0.0
 LAB*TCa 4.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.06 -0.6 3.44
 LAB*Lab 76.06 0.0 0.25
 LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 0.75 0.75 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 58.63 7.5 -8.82
 LAB*Lab 58.63 7.5 -11.1
 LAB*TCa 62.5 13.56 305.0

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.5 (1.0)
 cmyn3* 0.25 0.25 0.5 (0.0)
 olv4* 0.5 0.5 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 41.21 15.61 -21.1
 LAB*Lab 41.21 15.61 -22.21
 LAB*TCa 50.0 27.11 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.5 (0.5)
 cmyn3* 0.0 0.0 0.5 (0.5)
 olv4* 0.25 0.25 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.72 31.46 -44.36
 LAB*Lab 25.72 31.46 -44.36
 LAB*TCa 50.0 54.23 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.25 (0.25)
 cmyn3* 0.0 0.0 0.25 (0.25)
 olv4* 0.0 0.0 0.5 (0.5)
 cmyn4* 0.0 0.0 0.25 (0.25)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.125 (0.125)
 cmyn3* 0.0 0.0 0.125 (0.125)
 olv4* 0.0 0.0 0.25 (0.25)
 cmyn4* 0.0 0.0 0.125 (0.125)
 standard and adapted CIELAB
 LAB*LAB 13.13 13.13 0.0
 LAB*Lab 13.13 13.13 0.0
 LAB*TCa 9.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0625 (0.0625)
 cmyn3* 0.0 0.0 0.0625 (0.0625)
 olv4* 0.0 0.0 0.125 (0.125)
 cmyn4* 0.0 0.0 0.0625 (0.0625)
 standard and adapted CIELAB
 LAB*LAB 9.99 9.99 0.0
 LAB*Lab 9.99 9.99 0.0
 LAB*TCa 7.5 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.03125 (0.03125)
 cmyn3* 0.0 0.0 0.03125 (0.03125)
 olv4* 0.0 0.0 0.0625 (0.0625)
 cmyn4* 0.0 0.0 0.03125 (0.03125)
 standard and adapted CIELAB
 LAB*LAB 7.5 7.5 0.0
 LAB*Lab 7.5 7.5 0.0
 LAB*TCa 6.25 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.015625 (0.015625)
 cmyn3* 0.0 0.0 0.015625 (0.015625)
 olv4* 0.0 0.0 0.03125 (0.03125)
 cmyn4* 0.0 0.0 0.015625 (0.015625)
 standard and adapted CIELAB
 LAB*LAB 6.25 6.25 0.0
 LAB*Lab 6.25 6.25 0.0
 LAB*TCa 5.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0078125 (0.0078125)
 cmyn3* 0.0 0.0 0.0078125 (0.0078125)
 olv4* 0.0 0.0 0.015625 (0.015625)
 cmyn4* 0.0 0.0 0.0078125 (0.0078125)
 standard and adapted CIELAB
 LAB*LAB 5.0 5.0 0.0
 LAB*Lab 5.0 5.0 0.0
 LAB*TCa 4.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.00390625 (0.00390625)
 cmyn3* 0.0 0.0 0.00390625 (0.00390625)
 olv4* 0.0 0.0 0.0078125 (0.0078125)
 cmyn4* 0.0 0.0 0.00390625 (0.00390625)
 standard and adapted CIELAB
 LAB*LAB 4.0 4.0 0.0
 LAB*Lab 4.0 4.0 0.0
 LAB*TCa 3.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 -0.23 2.14
 LAB*Lab 56.71 0.0 0.0
 LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.25 0.25 0.25 (1.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.75 0.75 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 39.28 7.8 -10.13
 LAB*Lab 39.28 7.8 -11.1
 LAB*TCa 50.0 27.11 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.25 (0.25)
 cmyn3* 0.0 0.0 0.25 (0.25)
 olv4* 0.25 0.25 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.72 31.46 -44.36
 LAB*Lab 25.72 31.46 -44.36
 LAB*TCa 50.0 54.23 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.125 (0.125)
 cmyn3* 0.0 0.0 0.125 (0.125)
 olv4* 0.0 0.0 0.25 (0.25)
 cmyn4* 0.0 0.0 0.125 (0.125)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0625 (0.0625)
 cmyn3* 0.0 0.0 0.0625 (0.0625)
 olv4* 0.0 0.0 0.125 (0.125)
 cmyn4* 0.0 0.0 0.0625 (0.0625)
 standard and adapted CIELAB
 LAB*LAB 13.13 13.13 0.0
 LAB*Lab 13.13 13.13 0.0
 LAB*TCa 9.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.03125 (0.03125)
 cmyn3* 0.0 0.0 0.03125 (0.03125)
 olv4* 0.0 0.0 0.0625 (0.0625)
 cmyn4* 0.0 0.0 0.03125 (0.03125)
 standard and adapted CIELAB
 LAB*LAB 9.99 9.99 0.0
 LAB*Lab 9.99 9.99 0.0
 LAB*TCa 7.5 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.015625 (0.015625)
 cmyn3* 0.0 0.0 0.015625 (0.015625)
 olv4* 0.0 0.0 0.03125 (0.03125)
 cmyn4* 0.0 0.0 0.015625 (0.015625)
 standard and adapted CIELAB
 LAB*LAB 7.5 7.5 0.0
 LAB*Lab 7.5 7.5 0.0
 LAB*TCa 6.25 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0078125 (0.0078125)
 cmyn3* 0.0 0.0 0.0078125 (0.0078125)
 olv4* 0.0 0.0 0.015625 (0.015625)
 cmyn4* 0.0 0.0 0.0078125 (0.0078125)
 standard and adapted CIELAB
 LAB*LAB 6.25 6.25 0.0
 LAB*Lab 6.25 6.25 0.0
 LAB*TCa 5.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.00390625 (0.00390625)
 cmyn3* 0.0 0.0 0.00390625 (0.00390625)
 olv4* 0.0 0.0 0.0078125 (0.0078125)
 cmyn4* 0.0 0.0 0.00390625 (0.00390625)
 standard and adapted CIELAB
 LAB*LAB 5.0 5.0 0.0
 LAB*Lab 5.0 5.0 0.0
 LAB*TCa 4.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.001953125 (0.001953125)
 cmyn3* 0.0 0.0 0.001953125 (0.001953125)
 olv4* 0.0 0.0 0.00390625 (0.00390625)
 cmyn4* 0.0 0.0 0.001953125 (0.001953125)
 standard and adapted CIELAB
 LAB*LAB 4.0 4.0 0.0
 LAB*Lab 4.0 4.0 0.0
 LAB*TCa 3.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0009765625 (0.0009765625)
 cmyn3* 0.0 0.0 0.0009765625 (0.0009765625)
 olv4* 0.0 0.0 0.001953125 (0.001953125)
 cmyn4* 0.0 0.0 0.0009765625 (0.0009765625)
 standard and adapted CIELAB
 LAB*LAB 3.0 3.0 0.0
 LAB*Lab 3.0 3.0 0.0
 LAB*TCa 2.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.25 0.25 1.0 (1.0)
 cmyn4* 0.25 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.72 31.46 -44.36
 LAB*Lab 25.72 31.46 -44.36
 LAB*TCa 50.0 54.23 305.0

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 13.13 13.13 0.0
 LAB*Lab 13.13 13.13 0.0
 LAB*TCa 9.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 9.99 9.99 0.0
 LAB*Lab 9.99 9.99 0.0
 LAB*TCa 7.5 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 7.5 7.5 0.0
 LAB*Lab 7.5 7.5 0.0
 LAB*TCa 6.25 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 6.25 6.25 0.0
 LAB*Lab 6.25 6.25 0.0
 LAB*TCa 5.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 5.0 5.0 0.0
 LAB*Lab 5.0 5.0 0.0
 LAB*TCa 4.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 4.0 4.0 0.0
 LAB*Lab 4.0 4.0 0.0
 LAB*TCa 3.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 3.0 3.0 0.0
 LAB*Lab 3.0 3.0 0.0
 LAB*TCa 2.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 2.0 2.0 0.0
 LAB*Lab 2.0 2.0 0.0
 LAB*TCa 1.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.02 18.02 0.0
 LAB*Lab 18.02 18.02 0.0
 LAB*TCa 12.5 16.61 290.48

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 13.13 13.13 0.0
 LAB*Lab 13.13 13.13 0.0
 LAB*TCa 9.99 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 9.99 9.99 0.0
 LAB*Lab 9.99 9.99 0.0
 LAB*TCa 7.5 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 7.5 7.5 0.0
 LAB*Lab 7.5 7.5 0.0
 LAB*TCa 6.25 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 6.25 6.25 0.0
 LAB*Lab 6.25 6.25 0.0
 LAB*TCa 5.0 0.01 -

relative Inform. Technology (IT)
 olv3* 0.0 0.0 0.0 (0.0)
 cmyn3* 0.0 0.0 0.0 (0.0)
 olv4* 0.0 0.0 0.0 (0.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 5.0 5.0 0.0

Input: Colorimetric Reflective System ORS18

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

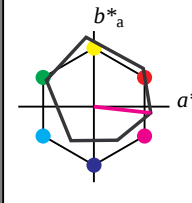
lab^*tch and lab^*nch

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
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 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*trc 1.0 0.0 0.0
lab*ncc 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*TCMa 75.0 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*trc 0.75 0.0 0.0
lab*ncc 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*TCMa 50.0 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*trc 0.5 0.0 0.0
lab*ncc 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 -0.07 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCMa 25.0 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*trc 0.25 0.0 0.0
lab*ncc 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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 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 (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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 83.59 18.06 1.87
LAB*LABa 83.59 18.81 -2.08
LAB*TCMa 87.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.847 0.227 -0.103
lab*trc 0.875 0.25 0.982
lab*ncc 0.0 0.25 0.982

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 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 64.24 18.43 0.56
LAB*LABa 64.24 18.82 -2.08
LAB*TCMa 62.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.597 0.248 -0.027
lab*tch 0.625 0.25 0.982
lab*nch 0.25 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.597 0.227 -0.103
lab*trc 0.625 0.25 0.982
lab*ncc 0.25 0.25 0.982

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 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.89 18.8 -0.73
LAB*LABa 44.89 18.82 -2.08
LAB*TCMa 37.5 18.93 353.66

relative CIELAB lab*
lab*lab 0.347 0.248 -0.027
lab*tch 0.375 0.25 0.982
lab*nch 0.25 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.347 0.227 -0.103
lab*trc 0.375 0.25 0.982
lab*ncc 0.25 0.25 0.982

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 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.08 37.84 0.62
LAB*LABa 33.08 37.84 -2.08
LAB*TCMa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.25 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*trc 0.25 0.5 0.982
lab*ncc 0.25 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 0.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCMa 12.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.097 0.227 -0.103
lab*trc 0.125 0.25 0.982
lab*ncc 0.25 0.25 0.982

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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 71.77 37.1 -1.01
LAB*LABa 71.77 37.63 -4.17
LAB*TCMa 75.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.695 0.454 -0.208
lab*trc 0.75 0.5 0.982
lab*ncc 0.0 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.75 0.5 0.75 (1.0)
cmyn3* 0.25 0.5 0.25 (0.0)
olvi4* 1.0 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 52.42 37.63 -4.17
LAB*LABa 52.42 37.63 -4.17
LAB*TCMa 50.0 37.86 353.66

relative CIELAB lab*
lab*lab 0.445 0.497 -0.054
lab*tch 0.5 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.445 0.454 -0.208
lab*trc 0.5 0.5 0.982
lab*ncc 0.25 0.5 0.982

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 0.5 1.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 40.61 56.51 -5.2
LAB*LABa 40.61 56.44 -6.26
LAB*TCMa 37.51 56.79 353.66

relative CIELAB lab*
lab*lab 0.292 0.745 -0.082
lab*tch 0.375 0.75 0.982
lab*nch 0.25 0.75 0.982
relative Natural Colour (NC)
lab*trj 0.292 0.682 -0.312
lab*trc 0.375 0.75 0.982
lab*ncc 0.25 0.75 0.982

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 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 33.08 37.84 0.62
LAB*LABa 33.08 37.84 -2.08
LAB*TCMa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.25 0.5 0.982
relative Natural Colour (NC)
lab*trj 0.195 0.454 -0.208
lab*trc 0.25 0.5 0.982
lab*ncc 0.25 0.5 0.982

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 0.25 0.0 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 25.54 19.17 0.04
LAB*LABa 25.54 18.81 -2.08
LAB*TCMa 12.5 18.92 353.66

relative CIELAB lab*
lab*lab 0.097 0.248 -0.027
lab*tch 0.125 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*trj 0.097 0.227 -0.103
lab*trc 0.125 0.25 0.982
lab*ncc 0.25 0.25 0.982

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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 1.0 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 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 59.95 56.14 -3.9
LAB*LABa 59.95 56.44 -6.26
LAB*TCMa 62.5 56.79 353.66

relative CIELAB lab*
lab*lab 0.542 0.745 -0.082
lab*tch 0.625 0.75 0.982
lab*nch 0.0 0.75 0.982
relative Natural Colour (NC)
lab*trj 0.542 0.682 -0.312
lab*trc 0.625 0.75 0.982
lab*ncc 0.0 0.75 0.982

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 1.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.14 75.18 -6.78
LAB*LABa 48.14 75.25 -8.35
LAB*TCMa 50.0 75.71 353.66

relative CIELAB lab*
lab*lab 0.389 0.994 -0.109
lab*tch 0.5 1.0 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*trj 0.389 0.909 -0.416
lab*trc 0.5 1.0 0.982
lab*ncc 0.0 1.0 0.982

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 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.07 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCMa 25.0 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*trc 0.25 0.0 0.0
lab*ncc 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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 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 (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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 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 (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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCMa 99.99 0.01 -

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*trc 1.0 0.0 0.0
lab*ncc 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 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.0 0.0
LAB*TCMa 75.0 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*trc 0.75 0.0 0.0
lab*ncc 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 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*LABa 56.71 0.0 0.0
LAB*TCMa 50.0 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*trc 0.5 0.0 0.0
lab*ncc 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 0.25 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.07 0.63
LAB*LABa 37.36 0.0 0.0
LAB*TCMa 25.0 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*trc 0.25 0.0 0.0
lab*ncc 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*TCMa 0.01 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*trc 0.0 0.0 0.0
lab*ncc 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 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIEL

Input: Colorimetric Reflective System ORS18

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

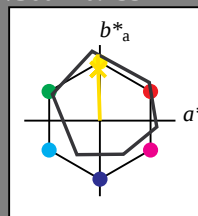
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 86 88 92

rgb*Ma: 1.0 0.9 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
QMa	49.94	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)
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	7.5
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
olvi3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.11	-1.64	26.52
LAB*LAB	93.11	-0.7	21.93
LAB*LAB	93.11	-0.7	21.93

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
olvi3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)
olvi4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.41	43.85
LAB*LAB	90.8	-1.41	43.85

relative Inform. Technology (IT)

olvi3*	1.0	0.951	0.5	(1.0)
olvi3*	0.0	0.049	0.5	(0.0)
olvi4*	1.0	0.951	0.5	(1.0)
olvi4*	0.0	0.049	0.5	(0.0)
olvi4*	0.0	0.049	0.5	(0.0)
olvi4*	0.0	0.049	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LAB	90.8	-1.41	43.85
LAB*LAB	90.8	-1.41	43.85

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
olvi3*	0.0	0.074	0.25	(0.0)
olvi4*	1.0	0.926	0.25	(1.0)
olvi4*	0.0	0.074	0.25	(0.0)
olvi4*	0.0	0.074	0.25	(0.0)
olvi4*	0.0	0.074	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.49	-2.96	70.06
LAB*LAB	88.49	-2.92	67.69
LAB*LAB	88.49	-2.92	67.69

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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
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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	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
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standard and adapted CIELAB

LAB*LAB	76.06	-0.6	3.44
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LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

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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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	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	0.0	0.0
LAB*LAB	76.06	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
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Input: Colorimetric Reflective System ORS18

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

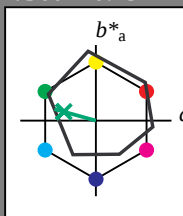
lab^*tch and lab^*nch

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	50.99	-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*	1.0 1.0 1.0 (1.0)
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 0.75 0.75 (1.0)
olvi4*	0.25 0.25 0.25 (0.0)
olvi5*	0.75 0.75 0.75 (1.0)
olvi6*	0.25 0.25 0.25 (0.0)
olvi7*	0.75 0.75 0.75 (1.0)
olvi8*	0.25 0.25 0.25 (0.0)
olvi9*	0.75 0.75 0.75 (1.0)
olvi10*	0.25 0.25 0.25 (0.0)
olvi11*	0.75 0.75 0.75 (1.0)
olvi12*	0.25 0.25 0.25 (0.0)
olvi13*	0.75 0.75 0.75 (1.0)
olvi14*	0.25 0.25 0.25 (0.0)
olvi15*	0.75 0.75 0.75 (1.0)
olvi16*	0.25 0.25 0.25 (0.0)
olvi17*	0.75 0.75 0.75 (1.0)
olvi18*	0.25 0.25 0.25 (0.0)
olvi19*	0.75 0.75 0.75 (1.0)
olvi20*	0.25 0.25 0.25 (0.0)
olvi21*	0.75 0.75 0.75 (1.0)
olvi22*	0.25 0.25 0.25 (0.0)
olvi23*	0.75 0.75 0.75 (1.0)
olvi24*	0.25 0.25 0.25 (0.0)
olvi25*	0.75 0.75 0.75 (1.0)
olvi26*	0.25 0.25 0.25 (0.0)
olvi27*	0.75 0.75 0.75 (1.0)
olvi28*	0.25 0.25 0.25 (0.0)
olvi29*	0.75 0.75 0.75 (1.0)
olvi30*	0.25 0.25 0.25 (0.0)
olvi31*	0.75 0.75 0.75 (1.0)
olvi32*	0.25 0.25 0.25 (0.0)
olvi33*	0.75 0.75 0.75 (1.0)
olvi34*	0.25 0.25 0.25 (0.0)
olvi35*	0.75 0.75 0.75 (1.0)
olvi36*	0.25 0.25 0.25 (0.0)
olvi37*	0.75 0.75 0.75 (1.0)
olvi38*	0.25 0.25 0.25 (0.0)
olvi39*	0.75 0.75 0.75 (1.0)
olvi40*	0.25 0.25 0.25 (0.0)
olvi41*	0.75 0.75 0.75 (1.0)
olvi42*	0.25 0.25 0.25 (0.0)
olvi43*	0.75 0.75 0.75 (1.0)
olvi44*	0.25 0.25 0.25 (0.0)
olvi45*	0.75 0.75 0.75 (1.0)
olvi46*	0.25 0.25 0.25 (0.0)
olvi47*	0.75 0.75 0.75 (1.0)
olvi48*	0.25 0.25 0.25 (0.0)
olvi49*	0.75 0.75 0.75 (1.0)
olvi50*	0.25 0.25 0.25 (0.0)
olvi51*	0.75 0.75 0.75 (1.0)
olvi52*	0.25 0.25 0.25 (0.0)
olvi53*	0.75 0.75 0.75 (1.0)
olvi54*	0.25 0.25 0.25 (0.0)
olvi55*	0.75 0.75 0.75 (1.0)
olvi56*	0.25 0.25 0.25 (0.0)
olvi57*	0.75 0.75 0.75 (1.0)
olvi58*	0.25 0.25 0.25 (0.0)
olvi59*	0.75 0.75 0.75 (1.0)
olvi60*	0.25 0.25 0.25 (0.0)
olvi61*	0.75 0.75 0.75 (1.0)
olvi62*	0.25 0.25 0.25 (0.0)
olvi63*	0.75 0.75 0.75 (1.0)
olvi64*	0.25 0.25 0.25 (0.0)
olvi65*	0.75 0.75 0.75 (1.0)
olvi66*	0.25 0.25 0.25 (0.0)
olvi67*	0.75 0.75 0.75 (1.0)
olvi68*	0.25 0.25 0.25 (0.0)
olvi69*	0.75 0.75 0.75 (1.0)
olvi70*	0.25 0.25 0.25 (0.0)
olvi71*	0.75 0.75 0.75 (1.0)
olvi72*	0.25 0.25 0.25 (0.0)
olvi73*	0.75 0.75 0.75 (1.0)
olvi74*	0.25 0.25 0.25 (0.0)
olvi75*	0.75 0.75 0.75 (1.0)
olvi76*	0.25 0.25 0.25 (0.0)
olvi77*	0.75 0.75 0.75 (1.0)
olvi78*	0.25 0.25 0.25 (0.0)
olvi79*	0.75 0.75 0.75 (1.0)
olvi80*	0.25 0.25 0.25 (0.0)
olvi81*	0.75 0.75 0.75 (1.0)
olvi82*	0.25 0.25 0.25 (0.0)
olvi83*	0.75 0.75 0.75 (1.0)
olvi84*	0.25 0.25 0.25 (0.0)
olvi85*	0.75 0.75 0.75 (1.0)
olvi86*	0.25 0.25 0.25 (0.0)
olvi87*	0.75 0.75 0.75 (1.0)
olvi88*	0.25 0.25 0.25 (0.0)
olvi89*	0.75 0.75 0.75 (1.0)
olvi90*	0.25 0.25 0.25 (0.0)
olvi91*	0.75 0.75 0.75 (1.0)
olvi92*	0.25 0.25 0.25 (0.0)
olvi93*	0.75 0.75 0.75 (1.0)
olvi94*	0.25 0.25 0.25 (0.0)
olvi95*	0.75 0.75 0.75 (1.0)
olvi96*	0.25 0.25 0.25 (0.0)
olvi97*	0.75 0.75 0.75 (1.0)
olvi98*	0.25 0.25 0.25 (0.0)
olvi99*	0.75 0.75 0.75 (1.0)
olvi100*	0.25 0.25 0.25 (0.0)

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
olvi4*	0.5 0.5 0.5 (1.0)
olvi5*	0.5 0.5 0.5 (1.0)
olvi6*	0.5 0.5 0.5 (1.0)
olvi7*	0.5 0.5 0.5 (1.0)
olvi8*	0.5 0.5 0.5 (1.0)
olvi9*	0.5 0.5 0.5 (1.0)
olvi10*	0.5 0.5 0.5 (1.0)
olvi11*	0.5 0.5 0.5 (1.0)
olvi12*	0.5 0.5 0.5 (1.0)
olvi13*	0.5 0.5 0.5 (1.0)
olvi14*	0.5 0.5 0.5 (1.0)
olvi15*	0.5 0.5 0.5 (1.0)
olvi16*	0.5 0.5 0.5 (1.0)
olvi17*	0.5 0.5 0.5 (1.0)
olvi18*	0.5 0.5 0.5 (1.0)
olvi19*	0.5 0.5 0.5 (1.0)
olvi20*	0.5 0.5 0.5 (1.0)
olvi21*	0.5 0.5 0.5 (1.0)
olvi22*	0.5 0.5 0.5 (1.0)
olvi23*	0.5 0.5 0.5 (1.0)
olvi24*	0.5 0.5 0.5 (1.0)
olvi25*	0.5 0.5 0.5 (1.0)
olvi26*	0.5 0.5 0.5 (1.0)
olvi27*	0.5 0.5 0.5 (1.0)
olvi28*	0.5 0.5 0.5 (1.0)
olvi29*	0.5 0.5 0.5 (1.0)
olvi30*	0.5 0.5 0.5 (1.0)
olvi31*	0.5 0.5 0.5 (1.0)
olvi32*	0.5 0.5 0.5 (1.0)
olvi33*	0.5 0.5 0.5 (1.0)
olvi34*	0.5 0.5 0.5 (1.0)
olvi35*	0.5 0.5 0.5 (1.0)
olvi36*	0.5 0.5 0.5 (1.0)
olvi37*	0.5 0.5 0.5 (1.0)
olvi38*	0.5 0.5 0.5 (1.0)
olvi39*	0.5 0.5 0.5 (1.0)
olvi40*	0.5 0.5 0.5 (1.0)
olvi41*	0.5 0.5 0.5 (1.0)
olvi42*	0.5 0.5 0.5 (1.0)
olvi43*	0.5 0.5 0.5 (1.0)
olvi44*	0.5 0.5 0.5 (1.0)
olvi45*	0.5 0.5 0.5 (1.0)
olvi46*	0.5 0.5 0.5 (1.0)
olvi47*	0.5 0.5 0.5 (1.0)
olvi48*	0.5 0.5 0.5 (1.0)
olvi49*	0.5 0.5 0.5 (1.0)
olvi50*	0.5 0.5 0.5 (1.0)
olvi51*	0.5 0.5 0.5 (1.0)
olvi52*	0.5 0.5 0.5 (1.0)
olvi53*	0.5 0.5 0.5 (1.0)
olvi54*	0.5 0.5 0.5 (1.0)
olvi55*	0.5 0.5 0.5 (1.0)
olvi56*	0.5 0.5 0.5 (1.0)
olvi57*	0.5 0.5 0.5 (1.0)
olvi58*	0.5 0.5 0.5 (1.0)
olvi59*	0.5 0.5 0.5 (1.0)
olvi60*	0.5 0.5 0.5 (1.0)
olvi61*	0.5 0.5 0.5 (1.0)
olvi62*	0.5 0.5 0.5 (1.0)
olvi63*	0.5 0.5 0.5 (1.0)
olvi64*	0.5 0.5 0.5 (1.0)
olvi65*	0.5 0.5 0.5 (1.0)
olvi66*	0.5 0.5 0.5 (1.0)
olvi67*	0.5 0.5 0.5 (1.0)
olvi68*	0.5 0.5 0.5 (1.0)
olvi69*	0.5 0.5 0.5 (1.0)
olvi70*	0.5 0.5 0.5 (1.0)
olvi71*	0.5 0.5 0.5 (1.0)
olvi72*	0.5 0.5 0.5 (1.0)
olvi73*	0.5 0.5 0.5 (1.0)
olvi74*	0.5 0.5 0.5 (1.0)
olvi75*	0.5 0.5 0.5 (1.0)
olvi76*	0.5 0.5 0.5 (1.0)
olvi77*	0.5 0.5 0.5 (1.0)
olvi78*	0.5 0.5 0.5 (1.0)
olvi79*	0.5 0.5 0.5 (1.0)
olvi80*	0.5 0.5 0.5 (1.0)
olvi81*	0.5 0.5 0.5 (1.0)
olvi82*	0.5 0.5 0.5 (1.0)
olvi83*	0.5 0.5 0.5 (1.0)
olvi84*	0.5 0.5 0.5 (1.0)
olvi85*	0.5 0.5 0.5 (1.0)
olvi86*	0.5 0.5 0.5 (1.0)
olvi87*	0.5 0.5 0.5 (1.0)
olvi88*	0.5 0.5 0.5 (1.0)
olvi89*	0.5 0.5 0.5 (1.0)
olvi90*	0.5 0.5 0.5 (1.0)
olvi91*	0.5 0.5 0.5 (1.0)
olvi92*	0.5 0.5 0.5 (1.0)
olvi93*	0.5 0.5 0.5 (1.0)
olvi94*	0.5 0.5 0.5 (1.0)
olvi95*	0.5 0.5 0.5 (1.0)
olvi96*	0.5 0.5 0.5 (1.0)
olvi97*	0.5 0.5 0.5 (1.0)
olvi98*	0.5 0.5 0.5 (1.0)
olvi99*	0.5 0.5 0.5 (1.0)
olvi100*	0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)				
olvi3*	0.25	1.0	0.435	(1.0)
cmyn3*	0.75	0.0	0.565	(0.0)
olvi4*	0.25	1.0	0.435	1.0
cmyn4*	0.75	0.0	0.565	0.0
standard and adapted CIELAB				
LAB*LAB	63.45	-41.46	14.03	
LAB*LAB	63.45	-41.46	14.03	

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab \cdot h = 271/360 = 0.754$

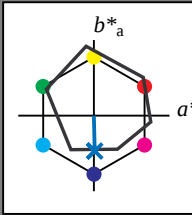
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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

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

relative Inform. Technology (IT)			
olvi3*	0.5	0.744	1.0 (1.0)
cmyln3*	0.5	0.256	0.0 (0.0)
olvi4*	0.5	0.744	1.0 1.0
cmyln4*	0.5	0.256	0.0 0.0
standard and adapted CIELAB			
LAB*LAB	68.59	0.08	-19.4
LAB*LABa	68.59	0.54	-22.35
LAB*TChA	75.0	22.36	271.4
relative CIELAB lab*			