

Input: Colorimetric Reflective System ORS18

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

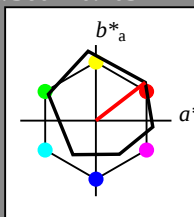
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

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*TCHa 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*tce 1.0 0.0 0.0	
lab*nce 0.0 0.0 0.0	

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*TCHa 97.5 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 0.199	

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 32.68 25.25	
LAB*TCHa 75.0 41.3 37.7	
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*trj 0.693 0.477 0.15	
lab*tce 0.75 0.5 0.048	
lab*nce 0.0 0.5 0.199	

relative Inform. Technology (IT)	
olvi3* 1.0 0.25 0.25 (1.0)	
cmyn3* 0.0 0.75 0.75 (0.0)	
olvi4* 1.0 0.25 0.25 (1.0)	
cmyn4* 0.0 0.75 0.75 (0.0)	
standard and adapted CIELAB	
LAB*LAB 59.81 48.72 40.24	
LAB*LABa 59.81 49.02 37.88	
LAB*TCHa 62.5 61.95 37.7	
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*trj 0.54 0.715 0.225	
lab*tce 0.625 0.75 0.048	
lab*nce 0.0 0.75 0.199	

relative Inform. Technology (IT)	
olvi3* 1.0 0.0 1.0 (0.0)	
cmyn3* 0.0 1.0 0.0 (0.0)	
olvi4* 1.0 0.0 1.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 47.95 65.36 30.51	
LAB*LABa 47.95 65.36 30.51	
LAB*TCHa 50.0 82.6 37.7	
relative CIELAB lab*	
lab*lab 0.387 0.791 0.611	
lab*tch 0.5 1.0 0.105	
lab*nch 0.0 1.0 0.105	
relative Natural Colour (NC)	
lab*trj 0.387 0.954 0.299	
lab*tce 0.5 1.0 0.199	
lab*nce 0.0 1.0 0.199	

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*TCHa 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*tce 0.75 0.0 0.0	
lab*nce 0.0 0.0 0.0	

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 (1.0)	
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*TCHa 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 0.239 0.075	
lab*tce 0.625 0.25 0.048	
lab*nce 0.25 0.25 0.199	

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 (0.0)	
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 32.69 25.26	
LAB*TCHa 50.0 41.3 37.7	
relative CIELAB lab*	
lab*lab 0.443 0.396 0.306	
lab*tch 0.5 0.5 0.105	
lab*nch 0.0 0.5 0.105	
relative Natural Colour (NC)	
lab*trj 0.443 0.477 0.15	
lab*tce 0.5 0.5 0.048	
lab*nce 0.25 0.5 0.199	

relative Inform. Technology (IT)	
olvi3* 0.5 0.5 0.5 (1.0)	
cmyn3* 0.5 0.5 0.5 (0.0)	
olvi4* 1.0 0.5 0.5 (1.0)	
cmyn4* 0.5 0.5 0.5 (0.0)	
standard and adapted CIELAB	
LAB*LAB 49.17 38.93	
LAB*LABa 49.17 38.93	
LAB*TCHa 37.51 61.95 37.7	
relative CIELAB lab*	
lab*lab 0.29 0.593 0.459	
lab*tch 0.375 0.75 0.105	
lab*nch 0.25 0.75 0.105	
relative Natural Colour (NC)	
lab*trj 0.29 0.715 0.225	
lab*tce 0.375 0.75 0.048	
lab*nce 0.25 0.75 0.199	

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 0.03	
LAB*LABa 37.36 0.07 0.03	
LAB*TCHa 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*tce 0.25 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 0.07 0.03	
LAB*LABa 37.36 0.07 0.03	
LAB*TCHa 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*tce 0.25 0.0 0.0	
lab*nce 0.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.25 0.0 1.0 (0.0)	
cmyn3* 0.75 1.0 0.0 (0.0)	
olvi4* 1.0 0.0 1.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 18.02 0.46	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 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*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.25 0.0 1.0 (0.0)	
cmyn3* 0.75 1.0 0.0 (0.0)	
olvi4* 1.0 0.0 1.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 18.02 0.46	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 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*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.25 0.0 1.0 (0.0)	
cmyn3* 0.75 1.0 0.0 (0.0)	
olvi4* 1.0 0.0 1.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 18.02 0.46	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 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*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

relative Inform. Technology (IT)	
olvi3* 0.0 0.0 1.0 (0.0)	
cmyn3* 1.0 1.0 0.0 (0.0)	
olvi4* 0.0 1.0 0.0 (0.0)	
cmyn4* 0.0 0.0 1.0 (0.0)	
standard and adapted CIELAB	
LAB*LAB 18.02 0.0 0.0	
LAB*LABa 18.02 0.0 0.0	
LAB*TCHa 0.0 0.0 0.0	
relative CIELAB lab*	
lab*lab 0.0 0.0 0.0	
lab*tch 0.0 0.0 0.0	
lab*nch 1.0 0.0 0.0	
relative Natural Colour (NC)	
lab*trj 0.0 0.0 0.0	
lab*tce 0.0 0.0 0.0	
lab*nce 1.0 0.0 0.0	

UE510-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIELAB hue 31/360 = 0.086 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & MRS18a input: $cmv0^* setcmykcolor$

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

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

See for similar files: <http://www.ps.bam.de/UE51/>

Technical information: <http://www.ps.bam.de>

Version 2.1, io=0.1, CIEXYZ

Input: Colorimetric Reflective System ORS18

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

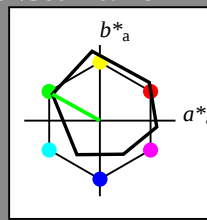
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



% 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 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*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 76.06 0.0 0.0
LAB*LABc 76.06 0.0 0.0

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* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 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 0.616 -0.217 0.122
lab*tch 0.625 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.616 -0.238 0.072
lab*tce 0.625 0.25 0.453
lab*nce 0.0 0.25 0.419

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 37.36 -0.36 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 0.356 -0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.356 -0.238 0.072
lab*tce 0.375 0.25 0.453
lab*nce 0.0 0.25 0.419

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 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 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 0.0106 -0.217 0.122
lab*tch 0.0125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.0106 -0.238 0.072
lab*tce 0.0125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.0
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 0.106 -0.217 0.122
lab*tch 0.125 0.25 0.419
lab*nch 0.0 0.25 0.419
relative Natural Colour (NC)
lab*trj 0.106 -0.238 0.072
lab*tce 0.125 0.25 0.453
lab*nce 0.0 0.25 0.419

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

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

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

MRS18a; adapted (a) CIELAB data

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

RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

$n^* = 1.0$

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$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

Input: Colorimetric Reflective System ORS18

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

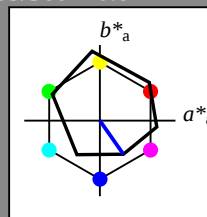
$lab \cdot tch$ and $lab \cdot nch$

D65: hue V

LCH*Ma: 26 54 305

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



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

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

$g^*_{C,rel} = 15.55$

Output: Colorimetric Reflective System MRS18a

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

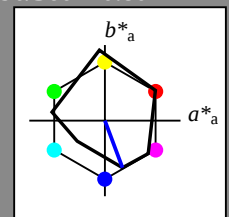
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

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

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

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
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)

Input: Colorimetric Reflective System ORS18

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

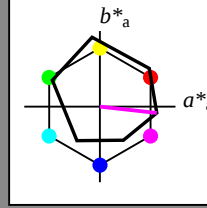
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 48 76 354

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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 4.75
LAB*LABa	95.41 0.0 0.0
LAB*LABb	99.99 0.01 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*LABb	97.5 18.92 353.66

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*LABb	75.0 37.86 353.66

relative Inform. Technology (IT)	
olvi3*	1.0 0.25 1.0 (1.0)
cmyn3*	0.0 0.75 0.0 (0.0)
olvi4*	1.0 0.25 1.0 (1.0)
cmyn4*	0.0 0.75 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*LABb	62.5 56.79 353.66

relative Inform. Technology (IT)	
olvi3*	1.0 0.0 1.0 (1.0)
cmyn3*	0.0 1.0 0.0 (0.0)
olvi4*	1.0 0.0 1.0 (1.0)
cmyn4*	0.0 1.0 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*LABb	50.0 75.71 353.66

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	75.0 0.01 -

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	64.24 18.43 0.56
LAB*LABa	64.24 18.82 2.08
LAB*LABb	62.5 18.93 353.66

relative Inform. Technology (IT)	
olvi3*	0.75 0.25 0.75 (1.0)
cmyn3*	0.25 0.75 0.25 (0.0)
olvi4*	1.0 0.25 1.0 (1.0)
cmyn4*	0.0 0.75 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*LABb	50.0 37.86 353.66

relative Inform. Technology (IT)	
olvi3*	0.5 0.5 0.5 (1.0)
cmyn3*	0.5 0.5 0.5 (1.0)
olvi4*	1.0 1.0 1.0 (1.0)
cmyn4*	0.0 0.0 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.14 75.18 -6.78
LAB*LABa	48.14 75.25 -8.35
LAB*LABb	50.0 75.71 353.66

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

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

relative Inform. Technology (IT)	
olvi3*	0.5 0.25 0.5 (1.0)
cmyn3*	0.5 0.75 0.25 (0.0)
olvi4*	1.0 0.25 1.0 (1.0)
cmyn4*	0.0 0.75 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*LABb	47.5 18.93 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
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*LABb	47.5 56.79 353.66

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

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
olvi4*	1.0 0.5 1.0 (1.0)
cmyn4*	0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.14 75.18 -6.78
LAB*LABa	48.14 75.25 -8.35
LAB*LABb	50.0 75.71 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
olvi4*	1.0 0.5 1.0 (1.0)
cmyn4*	0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.14 75.18 -6.78
LAB*LABa	48.14 75.25 -8.35
LAB*LABb	50.0 75.71 353.66

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

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

relative Inform. Technology (IT)	
olvi3*	0.5 0.25 0.5 (1.0)
cmyn3*	0.5 0.75 0.25 (0.0)
olvi4*	1.0 0.25 1.0 (1.0)
cmyn4*	0.0 0.75 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*LABb	47.5 18.93 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
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*LABb	47.5 56.79 353.66

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

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
olvi4*	1.0 0.5 1.0 (1.0)
cmyn4*	0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.14 75.18 -6.78
LAB*LABa	48.14 75.25 -8.35
LAB*LABb	50.0 75.71 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
olvi4*	1.0 0.5 1.0 (1.0)
cmyn4*	0.0 0.5 0.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	48.14 75.18 -6.78
LAB*LABa	48.14 75.25 -8.35
LAB*LABb	50.0 75.71 353.66

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

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

relative Inform. Technology (IT)	
olvi3*	0.5 0.25 0.5 (1.0)
cmyn3*	0.5 0.75 0.25 (0.0)
olvi4*	1.0 0.25 1.0 (1.0)
cmyn4*	0.0 0.75 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*LABb	47.5 18.93 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.5 0.25 (1.0)
cmyn3*	0.75 0.25 0.75 (1.0)
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*LABb	47.5 56.79 353.66

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

relative Inform. Technology (IT)	
olvi3*	0.25 0.25 0.25 (1.0)
cmyn3*	0.75 0.75

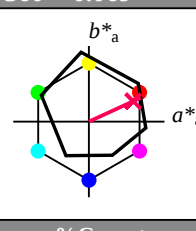
Input: Colorimetric Reflective System ORS18

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

lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 48 75 25
rgb*Ma: 1.0 0.0 0.32

triangle lightness t^*



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	50.59	-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*	1.0	0.75	0.831	(1.0)
olvi4*	0.0	0.25	0.169	(0.0)
olvi5*	1.0	0.75	0.831	(1.0)
olvi6*	0.0	0.25	0.169	(0.0)
olvi7*	1.0	0.75	0.831	(1.0)
olvi8*	0.0	0.25	0.169	(0.0)
olvi9*	1.0	0.75	0.831	(1.0)
olvi10*	0.0	0.25	0.169	(0.0)
olvi11*	1.0	0.75	0.831	(1.0)
olvi12*	0.0	0.25	0.169	(0.0)
olvi13*	1.0	0.75	0.831	(1.0)
olvi14*	0.0	0.25	0.169	(0.0)
olvi15*	1.0	0.75	0.831	(1.0)
olvi16*	0.0	0.25	0.169	(0.0)
olvi17*	1.0	0.75	0.831	(1.0)
olvi18*	0.0	0.25	0.169	(0.0)
olvi19*	1.0	0.75	0.831	(1.0)
olvi20*	0.0	0.25	0.169	(0.0)
olvi21*	1.0	0.75	0.831	(1.0)
olvi22*	0.0	0.25	0.169	(0.0)
olvi23*	1.0	0.75	0.831	(1.0)
olvi24*	0.0	0.25	0.169	(0.0)
olvi25*	1.0	0.75	0.831	(1.0)
olvi26*	0.0	0.25	0.169	(0.0)
olvi27*	1.0	0.75	0.831	(1.0)
olvi28*	0.0	0.25	0.169	(0.0)
olvi29*	1.0	0.75	0.831	(1.0)
olvi30*	0.0	0.25	0.169	(0.0)
olvi31*	1.0	0.75	0.831	(1.0)
olvi32*	0.0	0.25	0.169	(0.0)
olvi33*	1.0	0.75	0.831	(1.0)
olvi34*	0.0	0.25	0.169	(0.0)
olvi35*	1.0	0.75	0.831	(1.0)
olvi36*	0.0	0.25	0.169	(0.0)
olvi37*	1.0	0.75	0.831	(1.0)
olvi38*	0.0	0.25	0.169	(0.0)
olvi39*	1.0	0.75	0.831	(1.0)
olvi40*	0.0	0.25	0.169	(0.0)
olvi41*	1.0	0.75	0.831	(1.0)
olvi42*	0.0	0.25	0.169	(0.0)
olvi43*	1.0	0.75	0.831	(1.0)
olvi44*	0.0	0.25	0.169	(0.0)
olvi45*	1.0	0.75	0.831	(1.0)
olvi46*	0.0	0.25	0.169	(0.0)
olvi47*	1.0	0.75	0.831	(1.0)
olvi48*	0.0	0.25	0.169	(0.0)
olvi49*	1.0	0.75	0.831	(1.0)
olvi50*	0.0	0.25	0.169	(0.0)
olvi51*	1.0	0.75	0.831	(1.0)
olvi52*	0.0	0.25	0.169	(0.0)
olvi53*	1.0	0.75	0.831	(1.0)
olvi54*	0.0	0.25	0.169	(0.0)
olvi55*	1.0	0.75	0.831	(1.0)
olvi56*	0.0	0.25	0.169	(0.0)
olvi57*	1.0	0.75	0.831	(1.0)
olvi58*	0.0	0.25	0.169	(0.0)
olvi59*	1.0	0.75	0.831	(1.0)
olvi60*	0.0	0.25	0.169	(0.0)
olvi61*	1.0	0.75	0.831	(1.0)
olvi62*	0.0	0.25	0.169	(0.0)
olvi63*	1.0	0.75	0.831	(1.0)
olvi64*	0.0	0.25	0.169	(0.0)
olvi65*	1.0	0.75	0.831	(1.0)
olvi66*	0.0	0.25	0.169	(0.0)
olvi67*	1.0	0.75	0.831	(1.0)
olvi68*	0.0	0.25	0.169	(0.0)
olvi69*	1.0	0.75	0.831	(1.0)
olvi70*	0.0	0.25	0.169	(0.0)
olvi71*	1.0	0.75	0.831	(1.0)
olvi72*	0.0	0.25	0.169	(0.0)
olvi73*	1.0	0.75	0.831	(1.0)
olvi74*	0.0	0.25	0.169	(0.0)
olvi75*	1.0	0.75	0.831	(1.0)
olvi76*	0.0	0.25	0.169	(0.0)
olvi77*	1.0	0.75	0.831	(1.0)
olvi78*	0.0	0.25	0.169	(0.0)
olvi79*	1.0	0.75	0.831	(1.0)
olvi80*	0.0	0.25	0.169	(0.0)
olvi81*	1.0	0.75	0.831	(1.0)
olvi82*	0.0	0.25	0.169	(0.0)
olvi83*	1.0	0.75	0.831	(1.0)
olvi84*	0.0	0.25	0.169	(0.0)
olvi85*	1.0	0.75	0.831	(1.0)
olvi86*	0.0	0.25	0.169	(0.0)
olvi87*	1.0	0.75	0.831	(1.0)
olvi88*	0.0	0.25	0.169	(0.0)
olvi89*	1.0	0.75	0.831	(1.0)
olvi90*	0.0	0.25	0.169	(0.0)
olvi91*	1.0	0.75	0.831	(1.0)
olvi92*	0.0	0.25	0.169	(0.0)
olvi93*	1.0	0.75	0.831	(1.0)
olvi94*	0.0	0.25	0.169	(0.0)
olvi95*	1.0	0.75	0.831	(1.0)
olvi96*	0.0	0.25	0.169	(0.0)
olvi97*	1.0	0.75	0.831	(1.0)
olvi98*	0.0	0.25	0.169	(0.0)
olvi99*	1.0	0.75	0.831	(1.0)
olvi100*	0.0	0.25	0.169	(0.0)

relative Inform. Technology (IT)				
olvi3*	1.0	0.5	0.661	(1.0)
myn3*	0.0	0.5	0.339	(0.0)
olvi4*	1.0	0.5	0.661	1.0
myn4*	0.0	0.5	0.339	0.0
standard and adapted CIELAB				
LAB*LAB	71.7	33.75	18.92	
LAB*LABa	71.7	34.27	15.76	
LAB*TCHa	75.0	37.72	24.69	
relative CIELAB lab*				

Input: Colorimetric Reflective System ORS18

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

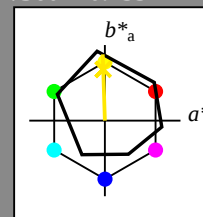
lab^*tch and lab^*nch

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	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	7.5
LAB*LABa	95.41	0.0	0.0
LAB*TCMa	99.99	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
cmyn3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.11	-1.64	26.52
LAB*LABa	93.11	-0.7	21.93
LAB*TCMa	97.5	21.93	91.86

relative Inform. Technology (IT)

olvi3*	1.0	0.975	0.75	(1.0)
cmyn3*	0.0	0.025	0.25	(0.0)
olvi4*	1.0	0.975	0.75	(1.0)
cmyn4*	0.0	0.025	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	90.8	-2.3	48.29
LAB*LABa	90.8	-1.41	43.85
LAB*TCMa	75.0	43.87	91.85

relative Inform. Technology (IT)

olvi3*	1.0	0.926	0.25	(1.0)
cmyn3*	0.0	0.074	0.25	(0.0)
olvi4*	1.0	0.926	0.25	(1.0)
cmyn4*	0.0	0.074	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	88.49	-2.96	70.06
LAB*LABa	88.49	-2.92	67.77
LAB*TCMa	62.5	65.81	91.85

relative Inform. Technology (IT)

olvi3*	1.0	0.901	0.0	(1.0)
cmyn3*	0.0	0.099	0.0	(0.0)
olvi4*	1.0	0.901	0.0	(1.0)
cmyn4*	0.0	0.099	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	86.15	-3.62	91.83
LAB*LABa	86.15	-2.92	87.69
LAB*TCMa	50.0	87.73	91.85

relative Inform. Technology (IT)

olvi3*	1.0	0.858	0.0	(1.0)
cmyn3*	0.0	0.142	0.0	(0.0)
olvi4*	1.0	0.858	0.0	(1.0)
cmyn4*	0.0	0.142	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	76.06	0.03	0.0
LAB*LABa	76.06	-1.41	43.85
LAB*TCMa	75.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.738	0.5	(1.0)
cmyn3*	0.0	0.262	0.5	(0.0)
olvi4*	1.0	0.738	0.5	(1.0)
cmyn4*	0.0	0.262	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.38	-0.88	22.66
LAB*LABa	74.38	-0.91	22.66
LAB*TCMa	62.5	22.67	92.33

relative Inform. Technology (IT)

olvi3*	1.0	0.738	0.5	(1.0)
cmyn3*	0.0	0.262	0.5	(0.0)
olvi4*	1.0	0.738	0.5	(1.0)
cmyn4*	0.0	0.262	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.38	-0.88	22.66
LAB*LABa	74.38	-0.91	22.66
LAB*TCMa	62.5	22.67	92.33

relative Inform. Technology (IT)

olvi3*	1.0	0.738	0.5	(1.0)
cmyn3*	0.0	0.262	0.5	(0.0)
olvi4*	1.0	0.738	0.5	(1.0)
cmyn4*	0.0	0.262	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.38	-0.88	22.66
LAB*LABa	74.38	-0.91	22.66
LAB*TCMa	62.5	22.67	92.33

relative Inform. Technology (IT)

olvi3*	1.0	0.738	0.5	(1.0)
cmyn3*	0.0	0.262	0.5	(0.0)
olvi4*	1.0	0.738	0.5	(1.0)
cmyn4*	0.0	0.262	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.38	-0.88	22.66
LAB*LABa	74.38	-0.91	22.66
LAB*TCMa	62.5	22.67	92.33

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	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	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	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	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	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	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	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	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	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	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.71	-0.23	2.14
LAB*LABa	56.71	0.0	0.0
LAB*TCMa	50.0	0.01	0.0

relative Inform

www.ps.bam.de/UE51/10L/L51E08FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE51/10L/L51E08FP.DAT in File (F)

Input: Colorimetric Reflective System ORS18

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

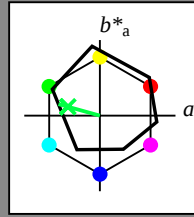
lab^*ch and lab^*nch

D65: hue G

LCH*Ma: 53 57 164

rgb*Ma: 0.0 1.0 0.25

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 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*ch 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*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*ch 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*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*ch 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 -0.38 0.83
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*ch 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*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*ch 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*trc 0.0 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*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*ch 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*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

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* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 74.1 -27.96 10.94
LAB*LABa 74.1 -27.96 10.94
LAB*LABb 74.1 -27.96 10.94
LAB*LABc 74.1 -27.96 10.94

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 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 0.5 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.75 -27.96 9.64
LAB*LABa 54.75 -27.96 9.64
LAB*LABb 54.75 -27.96 9.64
LAB*LABc 54.75 -27.96 9.64

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 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 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.41 -27.96 8.34
LAB*LABa 35.41 -27.96 8.34
LAB*LABb 35.41 -27.96 8.34
LAB*LABc 35.41 -27.96 8.34

relative CIELAB lab*
lab*lab 0.0 0.5 0.0
lab*ch 0.0 0.5 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.5 0.0
lab*trc 0.0 0.5 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.25 0.0 (0.0)
olvi4* 0.5 1.0 0.25 (1.0)
cmyn4* 0.0 0.25 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 0.25 0.0
lab*ch 0.0 0.25 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.0
lab*trc 0.0 0.25 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*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*ch 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*trc 0.0 0.0 0.0
lab*ncc 0.0 0.0 0.0

Output: Colorimetric Reflective System MRS18a

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

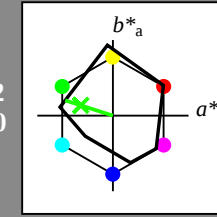
lab^*ch and lab^*nch

D65: hue G

LCH*Ma: 56 66 162

rgb*Ma: 0.11 1.0 0.0

triangle lightness t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.01 0.0
LAB*LABa 95.41 0.01 0.0
LAB*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*ch 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 0.03 0.5
LAB*LABa 76.06 0.03 0.5
LAB*LABb 76.06 0.03 0.5
LAB*LABc 76.06 0.03 0.5

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 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 0.05 0.1
LAB*LABa 56.71 0.05 0.1
LAB*LABb 56.71 0.05 0.1
LAB*LABc 56.71 0.05 0.1

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*ch 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 0.1
LAB*LABa 37.36 0.07 0.1
LAB*LABb 37.36 0.07 0.1
LAB*LABc 37.36 0.07 0.1

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*ch 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*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*ch 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*trc 0.0 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*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*ch 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*trc 0.0 0.0 0.0
lab*ncc 0.0 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* 0.777 1.0 0.75 (1.0)
cmyn3* 0.223 0.0 0.25 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 85.63 -15.74 5.05
LAB*LABa 85.63 -15.74 5.05
LAB*LABb 85.63 -15.74 5.05
LAB*LABc 85.63 -15.74 5.05

relative CIELAB lab*
lab*lab 0.777 0.0 0.25
lab*ch 0.777 0.0 0.25
lab*nch 0.0 0.0 0.25
relative Natural Colour (NC)
lab*trj 0.777 0.0 0.25
lab*trc 0.777 0.0 0.25
lab*ncc 0.0 0.0 0.25

relative Inform. Technology (IT)
olvi3* 0.527 0.75 0.5 (1.0)
cmyn3* 0.473 0.25 0.5 (0.0)
olvi4* 0.777 1.0 0.75 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 66.28 -15.73 5.06
LAB*LABa 66.28 -15.73 5.06
LAB*LABb 66.28 -15.73 5.06
LAB*LABc 66.28 -15.73 5.06

relative CIELAB lab*
lab*lab 0.527 0.0 0.25
lab*ch 0.527 0.0 0.25
lab*nch 0.0 0.0 0.25
relative Natural Colour (NC)
lab*trj 0.527 0.0 0.25
lab*trc 0.527 0.0 0.25
lab*ncc 0.0 0.0 0.25

relative Inform. Technology (IT)
olvi3* 0.344 0.5 0.25 (1.0)
cmyn3* 0.656 0.25 0.75 (0.0)
olvi4* 0.527 1.0 0.5 (1.0)
cmyn4* 0.473 0.25 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.53 10.11
LAB*LABa 56.31 -31.53 10.11
LAB*LABb 56.31 -31.53 10.11
LAB*LABc 56.31 -31.53 10.11

relative CIELAB lab*
lab*lab 0.344 0.0 0.25
lab*ch 0.344 0.0 0.25
lab*nch 0.0 0.0 0.25
relative Natural Colour (NC)
lab*trj 0.344 0.0 0.25
lab*trc 0.344 0.0 0.25
lab*ncc 0.0 0.0 0.25

relative Inform. Technology (IT)
olvi3* 0.247 0.25 0.25 (1.0)
cmyn3* 0.753 0.75 1.0 (0.0)
olvi4* 0.247 1.0 0.25 (1.0)
cmyn4* 0.223 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 37.16 -15.68 5.06
LAB*LABa 37.16 -15.68 5.06
LAB*LABb 37.16 -15.68 5.06
LAB*LABc 37.16 -15.68 5.06

relative CIELAB lab*
lab*lab 0.247 0.0 0.25
lab*ch 0.247 0.0 0.25
lab*nch 0.0 0.0 0.25
relative Natural Colour (NC)
lab*trj 0.247 0.0 0.25
lab*trc 0.247 0.0 0.25
lab*ncc 0.0 0.0 0.25

relative Inform. Technology (IT)
olvi3* 0.027 0.0 0.0 (1.0)
cmyn3* 0.973 0.75 1.0 (0.0)
olvi4* 0.027 1.0 0.0 (1.0)
cmyn4* 0.223 0.0 0.25 (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 0.027 0.0 0.0
lab*ch 0.027 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.027 0.0 0.0
lab*trc 0.027 0.0 0.0
lab*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.334 0.5 0.25 (1.0)
cmyn3* 0.666 0.25 0.75 (0.0)
olvi4* 0.334 1.0 0.25 (1.0)
cmyn4* 0.666 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 56.31 -31.53 10.11
LAB*LABa 56.31 -31.53 10.11
LAB*LABb 56.31 -31.53 10.11
LAB*LABc 56.31 -31.53 10.11

relative CIELAB lab*
lab*lab 0.334 0.0 0.25
lab*ch 0.334 0.0 0.25
lab*nch 0.0 0.0 0.25
relative Natural Colour (NC)
lab*trj 0.334 0.0 0.25
lab*trc 0.334 0.0 0.25
lab*ncc 0.0 0.0 0.25

relative Inform. Technology (IT)
olvi3* 0.247 0.25 0.25 (1.0)
cmyn3* 0.753 0.75 1.0 (0.0)
olvi4*

Input: Colorimetric Reflective System ORS18

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

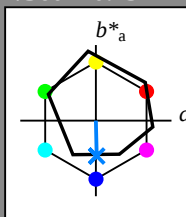
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness t^*



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 47.5
 LAB*LABa 95.41 0.0 0.0
 LAB*TCHa 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)
 olv3* 0.75 0.75 0.75 (1.0)
 cmyn3* 0.25 0.25 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.06 -0.6 3.44
 LAB*LABa 76.06 0.0 0.0
 LAB*TCHa 75.0 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)
 olv3* 0.5 0.5 0.5 (0.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 -0.23 2.14
 LAB*LABa 56.71 0.0 0.0
 LAB*TCHa 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)
 olv3* 0.25 0.25 0.25 (0.0)
 cmyn3* 0.75 0.75 0.75 (1.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.36 -0.08 0.63
 LAB*LABa 37.36 0.0 0.0
 LAB*TCHa 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)
 olv3* 0.0 0.0 0.0 (1.0)
 cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.46
 LAB*LABa 18.02 0.0 0.0
 LAB*TCHa 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

$n^* = 1.0$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	65.37	50.52	82.62	38
YMa	90.37	-10.27	91.77	92.34	96
LMa	50.59	-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)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 68.59 0.44 -22.35
 LAB*LABa 68.59 0.44 -22.35
 LAB*TCHa 75.0 22.36 271.4

relative CIELAB lab*
 lab*lab 0.654 0.012 -0.499
 lab*tch 0.75 0.5 0.754
 lab*nch 0.0 0.5 0.754
 relative Natural Colour (NC)
 lab*trj 0.654 0.0 -0.499
 lab*trc 0.75 0.5 0.754
 lab*ncc 0.0 0.5 0.754

relative Inform. Technology (IT)
 olv3* 0.25 0.494 0.75 (1.0)
 cmyn3* 0.75 0.506 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.5 0.254 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 49.25 0.45 -20.71
 LAB*LABa 49.25 0.45 -20.71
 LAB*TCHa 50.0 44.73 271.4

relative CIELAB lab*
 lab*lab 0.404 0.012 -0.499
 lab*tch 0.5 0.5 0.754
 lab*nch 0.0 0.5 0.754
 relative Natural Colour (NC)
 lab*trj 0.404 0.0 -0.499
 lab*trc 0.5 0.5 0.754
 lab*ncc 0.0 0.5 0.754

relative Inform. Technology (IT)
 olv3* 0.0 0.244 0.5 (1.0)
 cmyn3* 1.0 0.756 0.5 (0.0)
 olv4* 0.5 0.44 0.5 (0.0)
 cmyn4* 0.5 0.256 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 29.9 0.55 -22.35
 LAB*LABa 29.9 0.55 -22.35
 LAB*TCHa 25.01 22.36 271.41

relative CIELAB lab*
 lab*lab 0.154 0.012 -0.499
 lab*tch 0.25 0.5 0.754
 lab*nch 0.0 0.5 0.754
 relative Natural Colour (NC)
 lab*trj 0.154 0.0 -0.499
 lab*trc 0.25 0.5 0.754
 lab*ncc 0.0 0.5 0.754

$n^* = 0.50$

relative Inform. Technology (IT)
 olv3* 0.25 0.634 0.25 (0.0)
 cmyn3* 0.75 0.384 0.0 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.5 0.254 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 35.84 0.98 -32.79
 LAB*LABa 35.84 0.98 -32.79
 LAB*TCHa 37.51 33.55 271.41

relative CIELAB lab*
 lab*lab 0.23 0.018 -0.749
 lab*tch 0.375 0.75 0.754
 lab*nch 0.0 0.75 0.754
 relative Natural Colour (NC)
 lab*trj 0.23 0.0 -0.749
 lab*trc 0.375 0.75 0.754
 lab*ncc 0.0 0.75 0.754

$n^* = 0.25$

blackness n^*

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

chromaticness c^*

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab \cdot h = 272/360 = 0.755$

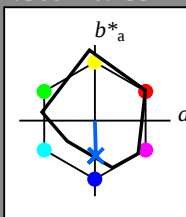
$lab \cdot tch$ and $lab \cdot nch$

D65: hue B

LCH*Ma: 40 49 272

rgb*Ma: 0.0 0.36 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 0.01 0.0
 LAB*LABa 95.41 0.0 0.0
 LAB*TCHa 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)
 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 0.03 0.25
 LAB*LABa 76.06 0.03 0.25
 LAB*TCHa 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)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.71 0.05 0.0
 LAB*LABa 56.71 0.05 0.0
 LAB*TCHa 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)
 olv3* 0.25 0.341 0.5 (1.0)
 cmyn3* 0.75 0.659 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.5 0.254 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 42.78 0.42 -12.34
 LAB*LABa 42.78 0.42 -12.34
 LAB*TCHa 37.51 33.55 271.41

relative CIELAB lab*
 lab*lab 0.32 0.007 -0.249
 lab*tch 0.375 0.25 0.755
 lab*nch 0.0 0.25 0.755
 relative Natural Colour (NC)
 lab*trj 0.32 0.0 -0.249
 lab*trc 0.375 0.25 0.755
 lab*ncc 0.0 0.25 0.755

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

chromaticness c^*

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)
 olv3* 0.5 0.5 0.5 (1.0)
 cmyn3* 0.5 0.5 0.5 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 67.55 0.74 -24.71
 LAB*LABa 67.55 0.74 -24.71
 LAB*TCHa 75.0 24.74 271.63

relative CIELAB lab*
 lab*lab 0.64 0.014 -0.499
 lab*tch 0.75 0.5 0.755
 lab*nch 0.0 0.5 0.755
 relative Natural Colour (NC)
 lab*trj 0.64 0.0 -0.499
 lab*trc 0.75 0.5 0.755
 lab*ncc 0.0 0.5 0.755

relative Inform. Technology (IT)
 olv3* 0.25 0.432 0.75 (1.0)
 cmyn3* 0.75 0.568 0.25 (0.0)
 olv4* 1.0 1.0 1.0 (1.0)
 cmyn4* 0.5 0.254 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 48.21 0.77 -24.71
 LAB*LABa 48.21 0.77 -24.71
 LAB*TCHa 50.0 24.75 271.64

relative CIELAB lab*
 lab*lab 0.46 0.021 -0.749
 lab*tch 0.625 0.75 0.755
 lab*nch 0.0 0.75 0.755
 relative Natural Colour (NC)
 lab*trj 0.46 0.0 -0.749
 lab*trc 0.625 0.75 0.755
 lab*ncc 0.0 0.75 0.755

relative Inform. Technology (IT)
 olv3* 0.0 0.273 0.75 (1.0)
 cmyn3* 1.0 0.727 0.25 (0.0)
 olv4* 0.5 0.523 1.0 (0.0)
 cmyn4* 0.75 0.477 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 39.71 1.49 -49.43
 LAB*LABa 39.71 1.49 -49.43
 LAB*TCHa 37.51 37.12 271.64

relative CIELAB lab*
 lab*lab 0.28 0.029 -0.998
 lab*tch 0.5 1.0 0.755
 lab*nch 0.0 1.0 0.755
 relative Natural Colour (NC)
 lab*trj 0.28 0.0 -0.998
 lab*trc 0.5 1.0 0.755
 lab*ncc 0.0 1.0 0.755

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.0$

chromaticness c^*

UE510-7, 5 step scales for constant CIELAB hue 271/360 = 0.754 (left)

5 step scales for constant CIELAB hue 272/360 = 0.755 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & MRS18a input: $cmv0^* \text{ setcmvcolor}$

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

output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$