

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 30/360 = 0.083$

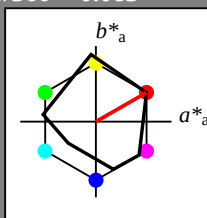
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 77 30

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

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*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 83.96 15.97 13.58
LAB*LABa 83.96 16.73 9.59
LAB*LABb 83.96 16.73 9.59
LAB*LABc 83.96 16.73 9.59
relative CIELAB lab*
lab*lab 0.852 0.217 0.124
lab*tch 0.875 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.852 0.248 0.03
lab*tce 0.875 0.25 0.019
lab*nce 0.0 0.25 0.019

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*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 64.61 16.35 12.27
LAB*LABa 64.61 16.74 9.59
LAB*LABb 64.61 16.74 9.59
LAB*LABc 64.61 16.74 9.59
relative CIELAB lab*
lab*lab 0.625 0.217 0.124
lab*tch 0.625 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.625 0.248 0.03
lab*tce 0.625 0.25 0.019
lab*nce 0.0 0.25 0.019

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*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*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (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 45.26 16.72 10.97
LAB*LABa 45.26 16.74 9.59
LAB*LABb 45.26 16.74 9.59
LAB*LABc 45.26 16.74 9.59
relative CIELAB lab*
lab*lab 0.352 0.217 0.124
lab*tch 0.375 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.352 0.248 0.03
lab*tce 0.375 0.25 0.019
lab*nce 0.0 0.25 0.019

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 16.73 9.59
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*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 0.0 (1.0)
cmyn3* 0.75 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 18.02 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 0.25 0.0 0.0
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.102 0.217 0.124
cmyn3* 0.125 0.25 0.083
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 18.02 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 0.102 0.217 0.124
lab*tch 0.125 0.25 0.083
lab*nch 0.0 0.25 0.083
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.03
lab*tce 0.125 0.25 0.019
lab*nce 0.0 0.25 0.019

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 18.02 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 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 18.02 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 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

MRS18; adapted (a) CIELAB data

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

RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 32.93 22.4
LAB*LABa 72.52 33.47 18.18
LAB*LABb 72.52 33.47 18.18
LAB*LABc 72.52 33.47 18.18
relative CIELAB lab*
lab*lab 0.704 0.434 0.249
lab*tch 0.75 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.704 0.496 0.06
lab*tce 0.75 0.5 0.019
lab*nce 0.0 0.5 0.019

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 61.07 49.89 31.22
LAB*LABa 61.07 50.21 28.78
LAB*LABb 61.07 50.21 28.78
LAB*LABc 61.07 50.21 28.78
relative CIELAB lab*
lab*lab 0.558 0.651 0.373
lab*tch 0.625 0.75 0.083
lab*nch 0.0 0.75 0.083
relative Natural Colour (NC)
lab*trj 0.558 0.745 0.09
lab*tce 0.625 0.75 0.019
lab*nce 0.0 0.75 0.019

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 1.0 (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 61.07 49.89 31.22
LAB*LABa 61.07 50.21 28.78
LAB*LABb 61.07 50.21 28.78
LAB*LABc 61.07 50.21 28.78
relative CIELAB lab*
lab*lab 0.489 0.867 0.497
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.489 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

relative Inform. Technology (IT)
olvi3* 0.75 0.0 0.0 (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 33.31 21.09
LAB*LABa 53.17 33.48 18.19
LAB*LABb 53.17 33.48 18.19
LAB*LABc 53.17 33.48 18.19
relative CIELAB lab*
lab*lab 0.434 0.434 0.249
lab*tch 0.5 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.434 0.496 0.06
lab*tce 0.5 0.5 0.019
lab*nce 0.0 0.5 0.019

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.5 0.5 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.409 0.993 0.119
lab*tch 0.5 0.5 0.083
lab*nch 0.0 0.5 0.083
relative Natural Colour (NC)
lab*trj 0.409 0.993 0.119
lab*tce 0.5 0.5 0.019
lab*nce 0.0 0.5 0.019

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.25 1.0 1.0 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.375 0.75 0.083
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.375 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 0.5 0.5 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.375 0.75 0.083
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.375 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.5 0.5 0.5 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.375 0.75 0.083
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.375 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.5 0.5 0.5 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.375 0.75 0.083
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.375 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.5 0.5 0.5 (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 49.63 66.96 38.37
LAB*LABa 49.63 66.96 38.37
LAB*LABb 49.63 66.96 38.37
LAB*LABc 49.63 66.96 38.37
relative CIELAB lab*
lab*lab 0.375 0.75 0.083
lab*tch 0.5 1.0 0.083
lab*nch 0.0 1.0 0.083
relative Natural Colour (NC)
lab*trj 0.375 0.993 0.119
lab*tce 0.5 1.0 0.019
lab*nce 0.0 1.0 0.019

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

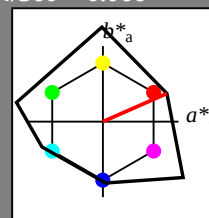
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

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*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 83.96 15.97 13.58
LAB*LABa 83.96 16.73 9.59
LAB*LABb 83.96 16.73 9.59
LAB*LABc 83.96 16.73 9.59
relative CIELAB lab*
lab*lab 0.852 0.229 0.101
lab*tch 0.875 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*trj 0.852 0.248 0.005
lab*tce 0.875 0.25 0.996
lab*nce 0.0 0.25 0.996

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*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 64.61 16.35 12.27
LAB*LABa 64.61 16.74 9.59
LAB*LABb 64.61 16.74 9.59
LAB*LABc 64.61 16.74 9.59
relative CIELAB lab*
lab*lab 0.625 0.229 0.101
lab*tch 0.625 0.25 0.066
lab*nch 0.0 0.25 0.066
relative Natural Colour (NC)
lab*trj 0.625 0.248 0.005
lab*tce 0.625 0.25 0.996
lab*nce 0.0 0.25 0.996

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*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*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.25 (1.0)
cmyn3* 0.5 0.75 0.75 (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 45.26 16.72 10.97
LAB*LABa 45.26 16.74 9.59
LAB*LABb 45.26 16.74 9.59
LAB*LABc 45.26 16.74 9

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 172/360 = 0.479$

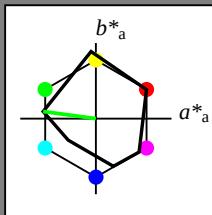
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 70 172

rgb*Ma: 0.0 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 -0.97 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*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 0.75 0.0 0.0
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.75 0.0 0.0
lab*tce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.38 0.83
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*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (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*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

MRS18; adapted (a) CIELAB data

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

RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*LABa 73.75 -34.85 4.72
LAB*LABb 73.75 -35.42 8.02
LAB*LABc 73.75 -34.85 4.72

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.72 -0.496 -0.056
lab*tce 0.75 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* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LABa 54.41 -34.86 4.72
LAB*LABb 54.41 -35.05 6.71
LAB*LABc 54.41 -34.86 4.72

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*tch 0.625 0.25 0.518
lab*nch 0.25 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.61 -0.247 -0.028
lab*tce 0.625 0.25 0.518
lab*nce 0.25 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.46 3.78
LAB*LABa 45.88 -17.42 3.78
LAB*LABb 45.88 -17.46 3.78
LAB*LABc 45.88 -17.42 3.78

relative CIELAB lab*
lab*lab 0.36 -0.247 -0.028
lab*tch 0.375 0.25 0.518
lab*nch 0.25 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.36 -0.247 -0.028
lab*tce 0.375 0.25 0.518
lab*nce 0.25 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.85 4.72
LAB*LABa 35.06 -34.85 4.72
LAB*LABb 35.06 -34.85 4.72
LAB*LABc 35.06 -34.85 4.72

relative CIELAB lab*
lab*lab 0.22 -0.494 0.067
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.22 -0.496 -0.056
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 25.01 35.18 17.29
LAB*LABa 25.01 35.18 17.29
LAB*LABb 25.01 35.18 17.29
LAB*LABc 25.01 35.18 17.29

relative CIELAB lab*
lab*lab 0.11 -0.247 0.034
lab*tch 0.125 0.25 0.518
lab*nch 0.25 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.11 -0.247 0.034
lab*tce 0.125 0.25 0.518
lab*nce 0.25 0.25 0.518

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 167/360 = 0.465$

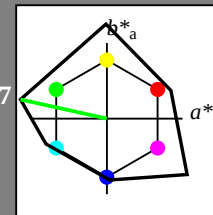
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 63 117 167

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0 0.0
LAB*LABb 53.21 0.04 0.0
LAB*LABc 53.21 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*trj 0.5 0.0 0.0
lab*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.0 0.0
LAB*LABa 32.11 0.0 0.0
LAB*LABb 32.11 0.0 0.0
LAB*LABc 32.11 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*trj 0.25 0.0 0.0
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 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

NCS11; adapted (a) CIELAB data

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

RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

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

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 79.24 -57.1 12.67
LAB*LABa 79.24 -57.12 12.67
LAB*LABb 79.24 -57.1 12.67
LAB*LABc 79.24 -57.12 12.67

relative CIELAB lab*
lab*lab 0.808 -0.487 0.108
lab*tch 0.75 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.808 -0.487 0.108
lab*tce 0.75 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* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 58.14 -57.09 12.68
LAB*LABa 58.14 -57.12 12.67
LAB*LABb 58.14 -57.09 12.68
LAB*LABc 58.14 -57.12 12.67

relative CIELAB lab*
lab*lab 0.617 -0.975 0.216
lab*tch 0.625 0.25 0.518
lab*nch 0.25 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.617 -0.975 0.216
lab*tce 0.625 0.25 0.518
lab*nce 0.25 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.04 -37.04 17.5
LAB*LABa 37.04 -37.04 17.5
LAB*LABb 37.04 -37.04 17.5
LAB*LABc 37.04 -37.04 17.5

relative CIELAB lab*
lab*lab 0.463 -0.731 0.162
lab*tch 0.463 0.25 0.518
lab*nch 0.25 0.25 0.518
relative Natural Colour (NC)
lab*trj 0.463 -0.731 0.162
lab*tce 0.463 0.25 0.518
lab*nce 0.25 0.25 0.518

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.04 -37.04 17.5
LAB*LABa 37.04 -37.04 17.5
LAB*LABb 37.04 -37.04 17.5
LAB*LABc 37.04 -37.04 17.5

relative CIELAB lab*
lab*lab 0.309 -0.487 0.108
lab*tch 0.25 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.309 -0.487 0.108
lab*tce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.0 0.0
LAB*LABa 11.01 0.0 0.0
LAB*LABb 11.01 0.0 0.0
LAB*LABc 11.01 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

BAM-test chart TE53; Colorimetric systems ORS18 & ORS18

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

input: `olv* setrgbcolor`

output: `Startup (S) data dependent`

output: *Startup (S) data dependend*

Input: Colorimetric Reflective System MRS18

for hue $h^* = lab^*h = 322/360 = 0.895$

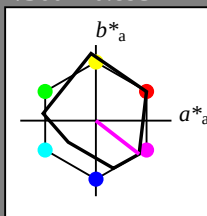
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 35 72 322

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 91$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 47.5
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*LABb 75.0 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* 0.5 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 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*tce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.26 -0.3 0.63
LAB*LABa 37.26 0.0 0.0
LAB*LABb 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* 0.0 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 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

$n^* = 1.0$

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 80.29 13.6 -7.31
LAB*LABa 80.29 14.29 -11.05
LAB*LABb 87.5 18.07 322.25

relative CIELAB lab*
lab*lab 0.805 0.198 -0.152
lab*tch 0.875 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.805 0.162 -0.189
lab*tce 0.875 0.25 0.862
lab*nce 0.0 0.25 0.844

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 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 60.94 13.97 -8.62
LAB*LABa 60.94 14.29 -11.06
LAB*LABb 62.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.555 0.198 -0.152
lab*tch 0.625 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.555 0.162 -0.189
lab*tce 0.625 0.25 0.862
lab*nce 0.25 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.25 0.5 (1.0)
cmyn3* 0.5 0.75 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 41.25 14.34 -9.93
LAB*LABa 41.25 14.29 -11.06
LAB*LABb 37.5 18.08 322.25

relative CIELAB lab*
lab*lab 0.305 0.198 -0.152
lab*tch 0.375 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.305 0.162 -0.189
lab*tce 0.375 0.25 0.862
lab*nce 0.5 0.25 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.75 1.0 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 22.25 14.71 11.23
LAB*LABa 22.25 14.29 -11.05
LAB*LABb 12.5 18.07 322.25

relative CIELAB lab*
lab*lab 0.055 0.198 -0.152
lab*tch 0.125 0.25 0.895
lab*nch 0.0 0.25 0.895
relative Natural Colour (NC)
lab*trj 0.055 0.162 -0.189
lab*tce 0.125 0.25 0.862
lab*nce 0.75 0.25 0.844

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 0.01 0.01 -

$n^* = 0.50$

MRS18; adapted (a) CIELAB data

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

RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50BMa	45.03	-36.57	-28.47	46.36	218
BMa	36.65	23.19	-63.05	67.18	290
B50RMa	34.94	57.17	-44.26	72.31	322
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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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 65.17 28.18 -19.4
LAB*LABa 65.17 28.58 -22.12
LAB*LABb 75.0 36.15 322.25

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

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 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.83 28.56 -20.71
LAB*LABa 45.83 28.59 -22.12
LAB*LABb 50.0 36.15 322.25

relative CIELAB lab*
lab*lab 0.414 0.593 -0.458
lab*tch 0.625 0.75 0.895
lab*nch 0.0 0.75 0.895
relative Natural Colour (NC)
lab*trj 0.414 0.486 -0.57
lab*tce 0.625 0.75 0.862
lab*nce 0.0 0.75 0.844

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 30.72 43.13 -32.79
LAB*LABa 30.72 42.87 -33.19
LAB*LABb 37.51 54.22 322.25

relative CIELAB lab*
lab*lab 0.164 0.593 -0.458
lab*tch 0.375 0.75 0.895
lab*nch 0.0 0.75 0.895
relative Natural Colour (NC)
lab*trj 0.164 0.486 -0.57
lab*tce 0.375 0.75 0.862
lab*nce 0.25 0.75 0.844

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.25 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olvi4* 1.0 0.25 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 26.48 28.52 -22.01
LAB*LABa 26.48 28.58 -22.12
LAB*LABb 25.01 36.15 322.25

relative CIELAB lab*
lab*lab 0.109 0.395 -0.305
lab*tch 0.25 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.109 0.324 -0.38
lab*tce 0.25 0.5 0.862
lab*nce 0.25 0.5 0.844

$n^* = 0.25$

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

$n^* = 1.00$

1.00

0.75

0.50

0.25

0.00

0.00

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

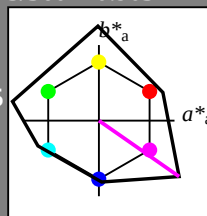
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 149$

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

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.57 26.51 -18.47
LAB*LABa 82.57 26.51 -18.47
LAB*LABb 87.5 32.3 325.12

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*tch 0.875 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.848 0.168 -0.184
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.844

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 61.47 26.56 -18.47
LAB*LABa 61.47 26.52 -18.48
LAB*LABb 62.5 32.3 325.12

relative CIELAB lab*
lab*lab 0.696 0.336 -0.369
lab*tch 0.75 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.696 0.336 -0.369
lab*tce 0.75 0.5 0.867
lab*nce 0.0 0.5 0.844

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 40.36 26.58 -18.46
LAB*LABa 40.36 26.52 -18.48
LAB*LABb 37.5 32.3 325.12

relative CIELAB lab*
lab*lab 0.446 0.41 -0.285
lab*tch 0.5 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.446 0.336 -0.369
lab*tce 0.5 0.5 0.867
lab*nce 0.25 0.5 0.844

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

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 0.0
lab*nch 1.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

1.00

0.75

0.50

0.25

0.00

0.00

NCS11; adapted (a) CIELAB data

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

RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50BMa	59.47	-80.6	-33.45	87.28	203
BMa	49.01	3.65	-81.19	81.28	273
B50RMa	44.06	106.09	-73.93	129.32	325
NMa	10.99	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

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

$g^*_{C,rel} = 65$

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 65.17 28.18 -19.4
LAB*LABa 65.17 28.58 -22.12
LAB*LABb 75.0 36.15 325.12

relative CIELAB lab*
lab*lab 0.609 0.395 -0.305
lab*tch 0.75 0.5 0.895
lab*nch 0.0 0.5 0.895
relative Natural Colour (NC)
lab*trj 0.609 0.324 -0.38
lab*tce 0.75 0.5 0.862
lab*nce 0.0 0.5 0.844

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 0.5 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 45.83 28.56 -20.71
LAB*LABa 45.83 28.59 -22.12
LAB*LABb 50.0 36.15 325.12

relative CIELAB lab*
lab*lab 0.414 0.593 -0.458
lab*tch 0.625 0.75 0.895
lab*nch 0.0 0.75 0.895
relative Natural Colour (NC)
lab*trj 0.414 0.486 -0.57
lab*tce 0.625 0.75 0.862
lab*nce 0.0 0.75 0.844

Input: Colorimetric Reflective System MRS18

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

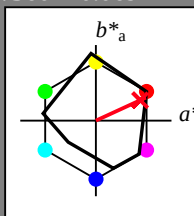
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 48 73 25

rgb*Ma: 1.0 0.0 0.1

triangle lightness t^*



% Gamut

$u^*_{rel} = 91$

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

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)				
olvi3*	0.75	0.5	0.524	(1.0)
olvi3*	0.25	0.5	0.476	(0.0)
olvi4*	1.0	0.75	0.774	0.75
olvi4*	0.0	0.25	0.226	0.25
standard and adapted CIELAB				
LAB*LAB	64.26	16.12	10.25	
LAB*Y	64.26	16.5	7.5	
LAB*YCh	62.5	18.16	24.7	
relative CIELAB lab*				
lab*lab	0.598	0.227	0.104	
lab*ych	0.625	0.25	0.069	
lab*ych	0.25	0.25	0.069	
relative Natural Colour (NC)				
lab*Yrj	0.598	0.25	0.0	
lab*Yrj	0.625	0.25	0.0	
lab*Yrj	0.25	0.25	0.069	

Input: Colorimetric Reflective System MRS18

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

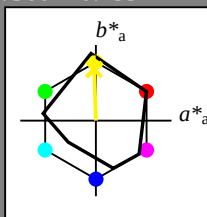
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

triangle lightness t^*



MRS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.96	38.37	77.18	30
JMa	90.7	-6.36	88.75	88.98	94
GMa	52.11	-69.73	9.44	70.37	172
G50B _{Ma}	45.03	-36.57	-28.47	46.36	218
B _{Ma}	36.65	23.19	-63.05	67.18	290
B50R _{Ma}	34.94	57.17	-44.26	72.31	322
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

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*TC_{Ha} 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 93.72 -1.64 26.21
LAB*LABa 93.72 -0.69 21.57
LAB*TC_{Ha} 97.52 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.5 (1.0)
cmyn3* 0.0 0.024 0.5 (0.0)
olvi4* 1.0 0.978 0.5 (1.0)
cmyn4* 0.0 0.024 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 92.04 -2.3 47.67
LAB*LABa 92.04 -1.39 43.14
LAB*TC_{Ha} 97.50 43.16 91.85

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.25 (1.0)
cmyn3* 0.0 0.037 0.25 (0.0)
olvi4* 1.0 0.963 0.25 (1.0)
cmyn4* 0.0 0.037 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 90.36 -2.96 69.13
LAB*LABa 90.36 -2.08 64.71
LAB*TC_{Ha} 97.50 64.74 91.85

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*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.726 0.25 (1.0)
cmyn4* 0.0 0.25 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LABa 76.06 0.0 0.0
LAB*TC_{Ha} 75.00 0.01 -

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*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.512 0.75 (1.0)
cmyn3* 0.5 0.512 0.75 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.476 0.5 (1.0)
cmyn3* 0.5 0.476 0.5 (1.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TC_{Ha} 50.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LABa 37.36 0.0 0.0
LAB*TC_{Ha} 25.00 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
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standard and adapted CIELAB
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relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
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relative Inform. Technology (IT)
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standard and adapted CIELAB
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relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 1.0 1.0 1.0 (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 18.02 0.0 0.0
LAB*LABa 18.02 0.0 0.0
LAB*TC_{Ha} 0.01 0.01 -

Output: Colorimetric Reflective System NCS11

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

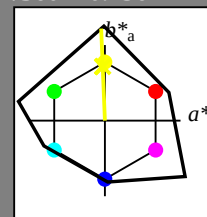
lab^*tch and lab^*nch

D65: hue J

LCH*Ma: 90 122 92

rgb*Ma: 0.97 1.0 0.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

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

$g^*_{C,rel} = 65$

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

relative Inform. Technology (IT)
olvi3* 0.992 1.0 0.75 (1.0)
cmyn3* 0.008 0.0 0.25 (0.0)
olvi4* 0.992 1.0 0.75 (1.0)
cmyn4* 0.008 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 94.16 -1.21 30.44
LAB*LABa 94.16 -1.22 30.44
LAB*TC_{Ha} 97.50 30.47 92.31

relative Inform. Technology (IT)
olvi3* 0.985 -0.009 0.25
cmyn3* 0.005 0.25 0.25
olvi4* 0.985 1.0 0.75 (1.0)
cmyn4* 0.005 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 92.92 -2.44 60.89
LAB*LABa 92.92 -2.46 60.89
LAB*TC_{Ha} 97.50 60.94 92.32

relative Inform. Technology (IT)
olvi3* 0.984 1.0 0.5 (1.0)
cmyn3* 0.016 0.0 0.5 (0.0)
olvi4* 0.984 1.0 0.5 (1.0)
cmyn4* 0.016 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 91.68 -3.68 91.34
LAB*LABa 91.68 -3.69 91.34
LAB*TC_{Ha} 97.50 91.34 92.32

relative Inform. Technology (IT)
olvi3* 0.976

_____ L _____ V

