

Input: Colorimetric Reflective System MRS18a

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

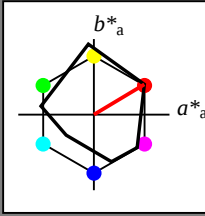
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 92$

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*LABa 76.06 0.03 0.0
LAB*LABb 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.852 0.214 0.128
lab*tch 0.875 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.852 0.248 0.032
lab*tce 0.875 0.25 0.02
lab*nce 0.0 0.25 0.086

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 0.05 0.0
LAB*LABa 56.71 0.05 0.0
LAB*LABb 50.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.625 0.25 0.086
lab*tch 0.625 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.602 0.248 0.032
lab*tce 0.625 0.25 0.02
lab*nce 0.0 0.25 0.086

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 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.332 0.214 0.128
lab*tch 0.375 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.332 0.248 0.032
lab*tce 0.375 0.25 0.02
lab*nce 0.0 0.25 0.086

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 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.102 0.214 0.128
lab*tch 0.125 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.032
lab*tce 0.125 0.25 0.02
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (1.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

MRS18a; adapted (a) CIELAB data

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

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

% Regularity

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

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

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 72.52 33.43 20.01
LAB*LABa 72.52 33.43 20.01
LAB*LABb 75.00 38.93 30.93

relative CIELAB lab*
lab*lab 0.704 0.429 0.257
lab*tch 0.75 0.5 0.086
lab*nch 0.0 0.5 0.086
relative Natural Colour (NC)
lab*trj 0.704 0.496 0.064
lab*tce 0.75 0.5 0.02
lab*nce 0.0 0.5 0.086

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 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 61.07 50.14 30.03
LAB*LABa 61.07 50.14 30.03
LAB*LABb 62.5 58.39 30.93

relative CIELAB lab*
lab*lab 0.559 0.643 0.385
lab*tch 0.625 0.75 0.086
lab*nch 0.0 0.75 0.086
relative Natural Colour (NC)
lab*trj 0.559 0.744 0.096
lab*tce 0.625 0.75 0.02
lab*nce 0.0 0.75 0.086

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 33.17 33.46 20.03
LAB*LABa 33.17 33.46 20.03
LAB*LABb 35.00 38.93 30.93

relative CIELAB lab*
lab*lab 0.429 0.429 0.257
lab*tch 0.5 0.5 0.086
lab*nch 0.0 0.5 0.086
relative Natural Colour (NC)
lab*trj 0.429 0.496 0.064
lab*tce 0.5 0.5 0.02
lab*nce 0.0 0.5 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 49.63 66.84 40.03
LAB*LABa 49.63 66.84 40.03
LAB*LABb 50.00 77.85 30.93

relative CIELAB lab*
lab*lab 0.469 0.858 0.514
lab*tch 0.5 0.5 0.086
lab*nch 0.0 0.5 0.086
relative Natural Colour (NC)
lab*trj 0.469 0.992 0.128
lab*tce 0.5 0.5 0.02
lab*nce 0.0 0.5 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 37.51 58.39 30.93
LAB*LABa 37.51 58.39 30.93
LAB*LABb 40.00 77.85 30.93

relative CIELAB lab*
lab*lab 0.306 0.643 0.385
lab*tch 0.375 0.75 0.086
lab*nch 0.0 0.75 0.086
relative Natural Colour (NC)
lab*trj 0.306 0.744 0.096
lab*tce 0.375 0.75 0.02
lab*nce 0.0 0.75 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 33.42 33.47 20.03
LAB*LABa 33.42 33.47 20.03
LAB*LABb 35.00 38.93 30.93

relative CIELAB lab*
lab*lab 0.204 0.429 0.257
lab*tch 0.25 0.5 0.086
lab*nch 0.0 0.5 0.086
relative Natural Colour (NC)
lab*trj 0.204 0.496 0.064
lab*tce 0.25 0.5 0.02
lab*nce 0.0 0.5 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 25.92 16.78 10.03
LAB*LABa 25.92 16.78 10.03
LAB*LABb 25.00 38.93 30.93

relative CIELAB lab*
lab*lab 0.102 0.214 0.128
lab*tch 0.125 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.032
lab*tce 0.125 0.25 0.02
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 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 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

Output: Colorimetric Reflective System ORS18

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

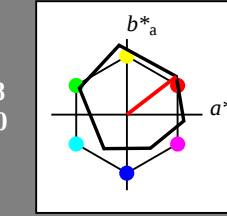
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LABa 95.41 0.0 0.0
LAB*LABb 99.99 0.01 0.0

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

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

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 0.105

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 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 64.19 15.96 15.28
LAB*LABa 64.19 15.96 15.28
LAB*LABb 64.19 15.96 15.28

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 0.105

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 56.71 0.23 2.14
LAB*LABa 56.71 0.23 2.14
LAB*LABb 50.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.537 0.198 0.153
lab*tch 0.625 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.537 0.239 0.075
lab*tce 0.625 0.25 0.048
lab*nce 0.0 0.25 0.105

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.01
LAB*LABa 37.36 0.13 0.01
LAB*LABb 25.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.347 0.198 0.153
lab*tch 0.375 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.347 0.239 0.075
lab*tce 0.375 0.25 0.048
lab*nce 0.0 0.25 0.105

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 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.102 0.214 0.128
lab*tch 0.125 0.25 0.105
lab*nch 0.0 0.25 0.105
relative Natural Colour (NC)
lab*trj 0.102 0.248 0.032
lab*tce 0.125 0.25 0.048
lab*nce 0.0 0.25 0.105

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 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25 0.086
lab*tch 0.0 0.25 0.086
lab*nch 0.0 0.25 0.086
relative Natural Colour (NC)
lab*trj 0.0 0.25 0.086
lab*tce 0.0 0.25 0.086
lab*nce 0.0 0.25 0.086

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 0.5 0.5 (1.0)
cmyn4* 0.0 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*LABa 18.02 0.02 0.0
LAB*LABb 12.50 0.01 0.0

relative CIELAB lab*
lab*lab 0.0 0.25

Input: Colorimetric Reflective System MRS18a

for hue $h^* = lab \cdot h = 94/360 = 0.262$

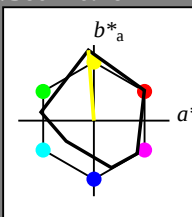
$lab \cdot tch$ and $lab \cdot nch$

D65: hue J

LCH*Ma: 91 93 94

rgb*Ma: 1.0 1.0 0.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

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

%Regularity

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

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

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	95.41	0.01	0.0
LAB*LABa	95.41	0.0	0.0
LAB*TCHa	99.99	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*tch	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*tce	1.0	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.22	-1.8	23.29
LAB*LABa	94.22	-1.81	23.29
LAB*TCHa	97.5	23.36	94.46

relative CIELAB lab*

lab*lab	0.985	-0.018	0.249
lab*tch	0.875	0.25	0.262
lab*nch	0.0	0.25	0.262

relative Natural Colour (NC)

lab*trj	0.985	-0.011	0.25
lab*tce	0.875	0.25	0.262
lab*nce	0.0	0.25	0.262

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	93.05	-3.61	46.59
LAB*LABa	93.05	-3.63	46.59
LAB*TCHa	97.5	46.73	94.46

relative CIELAB lab*

lab*lab	0.969	-0.038	0.498
lab*tch	0.75	0.5	0.262
lab*nch	0.0	0.5	0.262

relative Natural Colour (NC)

lab*trj	0.969	-0.023	0.498
lab*tce	0.75	0.5	0.262
lab*nce	0.0	0.5	0.262

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	91.87	-5.43	69.89
LAB*LABa	91.87	-5.45	69.89
LAB*TCHa	97.5	70.1	94.46

relative CIELAB lab*

lab*lab	0.954	-0.057	0.748
lab*tch	0.625	0.75	0.262
lab*nch	0.0	0.75	0.262

relative Natural Colour (NC)

lab*trj	0.954	-0.035	0.748
lab*tce	0.625	0.75	0.262
lab*nce	0.0	0.75	0.262

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.69	-7.36	93.18
LAB*LABa	90.69	-7.36	93.18
LAB*TCHa	97.5	93.46	94.46

relative CIELAB lab*

lab*lab	0.939	-0.077	0.997
lab*tch	0.5	1.0	0.262
lab*nch	0.0	1.0	0.262

relative Natural Colour (NC)

lab*trj	0.939	-0.047	0.997
lab*tce	0.5	1.0	0.262
lab*nce	0.0	1.0	0.262

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	-2.23	21.4
LAB*LABa	56.71	-2.23	21.4
LAB*TCHa	50.0	93.46	94.46

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*	0.75	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	74.8	-3.14	26.31
LAB*LABa	74.8	-3.14	26.31
LAB*TCHa	62.5	23.09	96.39

relative CIELAB lab*

lab*lab	0.734	-0.027	0.248
lab*tch	0.525	0.25	0.268
lab*nch	0.25	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.734	-0.024	0.248
lab*tce	0.525	0.25	0.268
lab*nce	0.25	0.25	0.268

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.5	(1.0)
cmyn3*	0.25	0.25	0.5	(0.0)
olvi4*	1.0	1.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	74.8	-3.14	26.31
LAB*LABa	74.8	-3.14	26.31
LAB*TCHa	62.5	23.09	96.39

relative CIELAB lab*

lab*lab	0.734	-0.027	0.248
lab*tch	0.525	0.25	0.268
lab*nch	0.25	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.734	-0.024	0.248
lab*tce	0.525	0.25	0.268
lab*nce	0.25	0.25	0.268

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	73.54	-5.69	49.17
LAB*LABa	73.54	-5.69	49.17
LAB*TCHa	50.0	46.17	96.39

relative CIELAB lab*

lab*lab	0.717	-0.055	0.497
lab*tch	0.5	0.5	0.268
lab*nch	0.0	0.5	0.268

relative Natural Colour (NC)

lab*trj	0.717	-0.048	0.497
lab*tce	0.5	0.5	0.268
lab*nce	0.0	0.5	0.268

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	90.37	-11.15	96.17
LAB*LABa	90.37	-11.26	91.75
LAB*TCHa	50.0	92.32	96.39

relative CIELAB lab*

lab*lab	0.935	-0.11	0.994
lab*tch	0.5	1.0	0.268
lab*nch	0.0	1.0	0.268

relative Natural Colour (NC)

lab*trj	0.935	-0.097	0.995
lab*tce	0.5	1.0	0.268
lab*nce	0.0	1.0	0.268

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	-3.57	46.6
LAB*LABa	37.36	-3.57	46.6
LAB*TCHa	25.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	55.25	-1.75	23.31
LAB*LABa	55.25	-1.81	23.31
LAB*TCHa	37.5	23.37	94.46

relative CIELAB lab*

lab*lab	0.485	-0.018	0.249
lab*tch	0.375	0.25	0.262
lab*nch	0.0	0.25	0.262

relative Natural Colour (NC)

lab*trj	0.485	-0.011	0.25
lab*tce	0.375	0.25	0.262
lab*nce	0.0	0.25	0.262

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	44.25	-3.57	46.6
LAB*LABa	44.25	-3.63	46.59
LAB*TCHa	50.0	46.73	94.46

relative CIELAB lab*

lab*lab	0.74	-0.038	0.498
lab*tch	0.25	0.5	0.262
lab*nch	0.0	0.5	0.262

relative Natural Colour (NC)

lab*trj	0.74	-0.023	0.498
lab*tce	0.25	0.5	0.262
lab*nce	0.0	0.5	0.262

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	72.53	-5.41	69.89
LAB*LABa	72.53	-5.45	69.89
LAB*TCHa	50.0	93.46	94.46

relative CIELAB lab*

lab*lab	0.704	-0.057	0.748
lab*tch	0.375	0.75	0.262
lab*nch	0.0	0.75	0.262

relative Natural Colour (NC)

lab*trj	0.704	-0.035	0.748
lab*tce	0.375	0.75	0.262
lab*nce	0.0	0.75	0.262

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	-3.57	46.6
LAB*LABa	37.36	-3.57	46.6
LAB*TCHa	25.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*tch	0.25	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*tce	0.25	0.0	0.0
lab*nce	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	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	-2.23	21.4
LAB*LABa	56.71	-2.23	21.4
LAB*TCHa	50.0	93.46	94.46

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*	0.75	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	74.8	-3.14	26.31
LAB*LABa	74.8	-3.14	26.31
LAB*TCHa	62.5	23.09	96.39

relative CIELAB lab*

lab*lab	0.734	-0.027	0.248
lab*tch	0.525	0.25	0.268
lab*nch	0.25	0.25	0.268

relative Natural Colour (NC)

lab*trj	0.734	-0.024	0.248
lab*tce	0.525	0.25	0.268
lab*nce	0.25	0.25	0.268

relative Inform. Technology (IT)			
olvi3*	0.5	0.5	0.0
cmyn3*	0.5	0.5	1.0
olvi4*	1.0	1.0	0.5
cmyn4*	0.0	0.0	0.5
standard and adapted CIELAB			
LAB*LAB	54.19	-5.32	47.8
LAB*LABa	54.19	-5.13	45.8

Input: Colorimetric Reflective System MRS18a

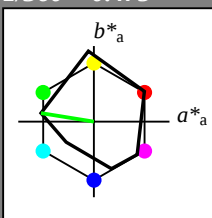
for hue $h^* = lab^*h = 171/360 = 0.475$
 lab^*ch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

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

%Regularity

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

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

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

relative Inform. Technology (IT)
olvi3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.75 1.0 0.75 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*Lab 84.58 -17.45 2.82
LAB*Lab 84.58 -17.45 2.82
LAB*Lab 84.58 -17.45 2.82
LAB*Lab 84.58 -17.45 2.82

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olvi4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*Lab 73.75 -34.92 5.64
LAB*Lab 73.75 -34.92 5.64
LAB*Lab 73.75 -34.92 5.64
LAB*Lab 73.75 -34.92 5.64

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olvi4* 0.25 1.0 0.25 (1.0)
cmyn4* 0.25 0.0 0.25 (0.0)
standard and adapted CIELAB
LAB*Lab 62.93 -52.39 8.46
LAB*Lab 62.93 -52.39 8.46
LAB*Lab 62.93 -52.39 8.46
LAB*Lab 62.93 -52.39 8.46

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 0.0 (1.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*Lab 52.11 -69.92 11.26
LAB*Lab 52.11 -69.92 11.26
LAB*Lab 52.11 -69.92 11.26
LAB*Lab 52.11 -69.92 11.26

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 0.0 0.75 0.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*Lab 45.03 -36.65 -27.13
LAB*Lab 45.03 -36.65 -27.13
LAB*Lab 45.03 -36.65 -27.13
LAB*Lab 45.03 -36.65 -27.13

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 0.0 0.5 0.0 (1.0)
cmyn4* 0.0 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*Lab 36.65 23.26 -62.27
LAB*Lab 36.65 23.26 -62.27
LAB*Lab 36.65 23.26 -62.27
LAB*Lab 36.65 23.26 -62.27

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 0.0 0.25 0.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*Lab 34.94 57.27 -43.6
LAB*Lab 34.94 57.27 -43.6
LAB*Lab 34.94 57.27 -43.6
LAB*Lab 34.94 57.27 -43.6

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (0.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 0.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 1.0 (0.0)
standard and adapted CIELAB
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0

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

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 37.36 0.13 0.01
LAB*Lab 37.36 0.13 0.01
LAB*Lab 37.36 0.13 0.01
LAB*Lab 37.36 0.13 0.01

relative Inform. Technology (IT)
olvi3* 0.35 0.35 0.35 (1.0)
cmyn3* 0.65 0.65 0.65 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 30.57 1.33 -46.48
LAB*Lab 30.57 1.33 -46.48
LAB*Lab 30.57 1.33 -46.48
LAB*Lab 30.57 1.33 -46.48

relative Inform. Technology (IT)
olvi3* 0.45 0.45 0.45 (1.0)
cmyn3* 0.55 0.55 0.55 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 25.01 35.42 170.85
LAB*Lab 25.01 35.42 170.85
LAB*Lab 25.01 35.42 170.85
LAB*Lab 25.01 35.42 170.85

relative Inform. Technology (IT)
olvi3* 0.55 0.55 0.55 (1.0)
cmyn3* 0.45 0.45 0.45 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0
LAB*Lab 18.02 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.65 0.65 0.65 (1.0)
cmyn3* 0.35 0.35 0.35 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 9.01 0.01 0.0
LAB*Lab 9.01 0.01 0.0
LAB*Lab 9.01 0.01 0.0
LAB*Lab 9.01 0.01 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.85 0.85 0.85 (1.0)
cmyn3* 0.15 0.15 0.15 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.95 0.95 0.95 (1.0)
cmyn3* 0.05 0.05 0.05 (0.0)
olvi4* 1.0 1.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0

relative 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 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0

relative 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 (0.25)
cmyn4* 0.0 0.0 0.0 (0.75)
standard and adapted CIELAB
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0
LAB*Lab 0.0 0.0 0.0

TE560-7, 5 step scales for constant CIELAB hue 171/360 = 0.475 (left)

5 step scales for constant CIELAB hue 151/360 = 0.419 (right)

BAM-test chart TE56; Colorimetric systems MRS18a & ORS18

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

input: $olv^* setrgbcolor$

output: no change compared to input

chromaticness c^*

chromaticness c^*

Input: Colorimetric Reflective System MRS18a

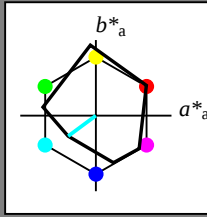
for hue $h^* = lab^*h = 217/360 = 0.601$
 lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 45 46 217

rgb*Ma: 0.0 1.0 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

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

$g^*_{C,rel} = 19$

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

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

LAB*TCHa	87.5	11.4	216.52
relative CIELAB lab*			
lab*lab	0.837	-0.2	-0.148
lab*tch	0.875	0.25	0.601
lab*ncH	0.0	0.25	0.601
relative Natural Colour (NC)			
lab*lrj	0.837	-0.177	-0.175
lab*tce	0.875	0.25	0.624
lab*ncE	0.0	0.25	g49b

Input: Colorimetric Reflective System MRS18a

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

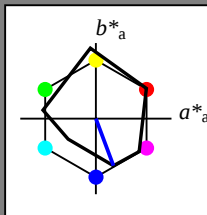
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 37 66 290

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



MRS18a; adapted (a) CIELAB data

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

%Regularity

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

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

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

relative Inform. Technology (IT)
olvi3* 0.75 0.75 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 80.72 5.84 -15.55
LAB*ABa 80.72 5.81 -15.55
LAB*TCha 87.5 16.61 290.48

relative Inform. Technology (IT)
olvi3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 (1.0)
cmyn4* 0.5 0.5 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 66.03 11.67 -31.12
LAB*ABa 66.03 11.63 -31.13
LAB*TCha 75.0 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 1.0 (1.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (1.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 51.34 17.5 -46.68
LAB*ABa 51.34 17.44 -46.7
LAB*TCha 62.5 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 36.65 23.25 -62.26
LAB*ABa 36.65 23.22 -62.26
LAB*TCha 50.0 66.47 290.48

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.06 0.03 0.0
LAB*ABa 76.06 0.03 0.0
LAB*TCha 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.75 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.75)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 61.37 5.86 -15.55
LAB*ABa 61.37 5.81 -15.56
LAB*TCha 62.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.75)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 46.68 11.63 -31.13
LAB*ABa 46.68 11.63 -31.13
LAB*TCha 50.0 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (0.75)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.0 17.52 -46.67
LAB*ABa 32.0 17.44 -46.7
LAB*TCha 37.51 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 26.65 23.23 -62.24
LAB*ABa 26.65 23.23 -62.24
LAB*TCha 37.5 13.56 305.0

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 1.0 0.5
cmyn4* 0.5 0.5 0.0 0.5
standard and adapted CIELAB
LAB*LAB 21.67 11.61 -31.11
LAB*ABa 21.67 11.61 -31.11
LAB*TCha 37.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 0.5
olvi4* 1.0 1.0 1.0 0.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 56.71 0.05 0.0
LAB*ABa 56.71 0.05 0.0
LAB*TCha 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 42.06 5.88 -15.56
LAB*ABa 42.06 5.81 -15.56
LAB*TCha 37.5 16.62 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.34 11.71 -31.11
LAB*ABa 27.34 11.63 -31.13
LAB*TCha 37.51 49.86 290.48

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 25.01 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 15.98 0.04 -11.43
LAB*ABa 15.98 0.04 -11.43
LAB*TCha 37.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 0.0
cmyn4* 0.5 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 11.61 11.61 -31.11
LAB*ABa 11.61 11.61 -31.11
LAB*TCha 37.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 37.26 5.81 -15.55
LAB*ABa 37.26 5.81 -15.55
LAB*TCha 25.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 22.67 5.94 -15.53
LAB*ABa 22.67 5.81 -15.53
LAB*TCha 12.5 16.61 290.48

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 25.01 33.24 290.48

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 12.5 16.61 290.48
LAB*ABa 12.5 16.61 290.48
LAB*TCha 37.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 7.77 -11.09
LAB*ABa 7.77 -11.09
LAB*TCha 12.5 13.55 305.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.5 0.5 1.0 0.25
cmyn4* 0.5 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 3.28 7.87 -10.13
LAB*ABa 3.28 7.87 -10.13
LAB*TCha 37.5 13.56 305.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 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 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.5 0.5 1.0 0.25
cmyn4* 0.5 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 0.0
cmyn4* 0.5 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 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 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.5 0.5 1.0 0.25
cmyn4* 0.5 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 0.25
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.25 (1.0)
cmyn3* 0.5 0.5 0.25 (0.0)
olvi4* 0.75 0.75 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.25)
cmyn4* 0.25 0.25 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olvi4* 0.0 0.0 1.0 (0.25)
cmyn4* 0.0 0.0 0.0 (0.25)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.5 0.5 1.0 0.0
cmyn4* 0.5 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 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 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (0.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi4* 0.75 0.75 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.0 (0.0)
cmyn3* 0.25 0.25 0.0 (0.0)
olvi4* 0.25 0.25 1.0 (0.0)
cmyn4* 0.25 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (0.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa 18.02 0.02 0.0
LAB*TCha 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 0.25 0.25 1.0 (0.5)
cmyn4* 0.25 0.25 0.0 (0.5)
standard and adapted CIELAB
LAB*LAB 18.02 0.02 0.0
LAB*ABa

compared to input

