

(olv3* = 0.0, l3*, v3*)

a01

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 1.0 0.75 (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 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCa 0.01 0.001 -
relative CIELAB lab*
lab*lab 0.0 0.0 -
lab*tch 0.0 0.0 -
lab*nc 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.25 (1.0)
cmyn3* 1.0 1.0 0.75 (0.0)
olvi4* 0.75 0.75 1.0 0.25
cmyn4* 0.25 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 19.94 8.23 -11.43
LAB*LABa 19.94 7.77 -11.09
LAB*TCa 12.5 13.55 305.0
relative CIELAB lab*
lab*lab 0.025 0.143 -0.204
lab*tch 0.125 0.25 0.847
lab*nc 0.75 0.25 0.847
relative Natural Colour (NC)
lab*lrj 0.025 0.099 -0.242
lab*tce 0.125 0.25 0.788
lab*nce 0.75 0.25 b15r

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 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 21.87 15.97 -22.4
LAB*LABa 21.87 15.55 -22.19
LAB*TCa 25.01 27.1 305.0
relative CIELAB lab*
lab*lab 0.05 0.287 -0.408
lab*tch 0.25 0.5 0.847
lab*nc 0.5 0.5 0.847
relative Natural Colour (NC)
lab*lrj 0.05 0.117 -0.485
lab*tce 0.25 0.5 0.788
lab*nce 0.5 0.5 b15r

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.25 (1.0)
cmyn3* 1.0 1.0 0.25 (0.0)
olvi4* 0.25 0.25 1.0 0.75
cmyn4* 0.75 0.75 0.0 0.25
standard and adapted CIELAB
LAB*LAB 23.8 23.71 -33.37
LAB*LABa 23.8 23.32 -33.29
LAB*TCa 37.51 40.66 305.0
relative CIELAB lab*
lab*lab 0.075 0.43 -0.613
lab*tch 0.375 0.75 0.847
lab*nc 0.25 0.75 0.847
relative Natural Colour (NC)
lab*lrj 0.075 0.176 -0.728
lab*tce 0.375 0.75 0.788
lab*nce 0.25 0.75 b15r

relative Inform. Technology (IT)
olvi3* 0.0 0.0 1.0 (1.0)
cmyn3* 1.0 1.0 0.0 (0.0)
olvi4* 0.0 0.0 1.0 1.0
cmyn4* 1.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 25.73 31.44 -44.34
LAB*LABa 25.73 31.09 -44.39
LAB*TCa 50.0 54.21 305.0
relative CIELAB lab*
lab*lab 0.1 0.573 -0.818
lab*tch 0.5 1.0 0.847
lab*nc 0.0 1.0 0.847
relative Natural Colour (NC)
lab*lrj 0.1 0.234 -0.971
lab*tce 0.5 1.0 0.788
lab*nce 0.0 1.0 b15r

(olv3* = 0.0, 0, 1)

System: ORS18

a02

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.0 (1.0)
cmyn3* 1.0 0.75 1.0 (0.0)
olvi4* 0.75 1.0 0.75 0.25
cmyn4* 0.25 0.0 0.25 0.75
standard and adapted CIELAB
LAB*LAB 26.24 -15.35 8.82
LAB*LABa 26.24 -15.69 8.74
LAB*TCa 12.5 13.57 150.91
relative CIELAB lab*
lab*lab 0.106 -0.217 0.121
lab*tch 0.125 0.25 0.419
lab*nc 0.75 0.25 0.419
relative Natural Colour (NC)
lab*lrj 0.106 -0.228 0.099
lab*tce 0.125 0.25 0.435
lab*nce 0.75 0.25 j73b

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
cmyn3* 1.0 0.75 0.75 (0.0)
olvi4* 0.75 1.0 1.0 0.25
cmyn4* 0.25 0.0 0.75 0.75
standard and adapted CIELAB
LAB*LAB 28.17 -7.27 -11.03
LAB*LABa 28.17 -7.57 -11.24
LAB*TCa 12.5 13.57 236.02
relative CIELAB lab*
lab*lab 0.131 -0.139 -0.206
lab*tch 0.125 0.25 0.656
lab*nc 0.75 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.131 -0.162 -0.189
lab*tce 0.125 0.25 0.637
lab*nce 0.75 0.25 g54b

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.5 (1.0)
cmyn3* 1.0 0.75 0.5 (0.0)
olvi4* 0.5 0.75 1.0 0.5
cmyn4* 0.5 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 30.09 0.46 -22.0
LAB*LABa 30.09 0.19 -22.34
LAB*TCa 25.01 22.36 270.49
relative CIELAB lab*
lab*lab 0.156 0.004 -0.499
lab*tch 0.25 0.5 0.751
lab*nc 0.5 0.5 0.751
relative Natural Colour (NC)
lab*lrj 0.156 -0.125 -0.483
lab*tce 0.25 0.5 0.709
lab*nce 0.5 0.5 g54b

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.75 (1.0)
cmyn3* 1.0 0.75 0.25 (0.0)
olvi4* 0.25 0.5 1.0 0.75
cmyn4* 0.75 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 32.02 8.2 -32.97
LAB*LABa 32.02 7.97 -33.45
LAB*TCa 37.51 44.39 283.39
relative CIELAB lab*
lab*lab 0.181 0.174 -0.729
lab*tch 0.375 0.75 0.787
lab*nc 0.5 0.75 0.787
relative Natural Colour (NC)
lab*lrj 0.181 -0.062 -0.746
lab*tce 0.375 0.75 0.737
lab*nce 0.25 0.75 g54b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 1.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.0 0.5 1.0 1.0
cmyn4* 1.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 33.95 15.93 -43.94
LAB*LABa 33.95 15.74 -44.55
LAB*TCa 50.0 47.25 289.45
relative CIELAB lab*
lab*lab 0.206 0.333 -0.942
lab*tch 0.5 1.0 0.804
lab*nc 0.0 1.0 0.804
relative Natural Colour (NC)
lab*lrj 0.206 -0.003 -0.999
lab*tce 0.5 1.0 0.749
lab*nce 0.0 1.0 g59b

a03

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.5
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 34.46 -31.22 18.12
LAB*LABa 34.46 -31.4 17.48
LAB*TCa 25.01 35.95 150.91
relative CIELAB lab*
lab*lab 0.213 -0.436 0.243
lab*tch 0.25 0.5 0.419
lab*nc 0.5 0.5 0.419
relative Natural Colour (NC)
lab*lrj 0.213 -0.458 0.199
lab*tce 0.25 0.5 0.435
lab*nce 0.5 0.5 j73b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.25 (1.0)
cmyn3* 1.0 0.5 0.75 (0.0)
olvi4* 0.5 1.0 0.75 0.5
cmyn4* 0.5 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 36.38 -23.14 -1.73
LAB*LABa 36.38 -23.28 -2.5
LAB*TCa 25.01 23.43 186.16
relative CIELAB lab*
lab*lab 0.237 -0.496 -0.053
lab*tch 0.25 0.5 0.517
lab*nc 0.5 0.5 0.517
relative Natural Colour (NC)
lab*lrj 0.237 -0.489 -0.099
lab*tce 0.25 0.5 0.532
lab*nce 0.5 0.5 g12b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 0.5
cmyn4* 0.5 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 38.32 -15.05 -21.6
LAB*LABa 38.32 -15.16 -22.5
LAB*TCa 25.01 27.14 236.02
relative CIELAB lab*
lab*lab 0.262 -0.278 -0.414
lab*tch 0.25 0.5 0.656
lab*nc 0.5 0.5 0.656
relative Natural Colour (NC)
lab*lrj 0.262 -0.325 -0.378
lab*tce 0.25 0.5 0.637
lab*nce 0.5 0.5 g54b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.75 (1.0)
cmyn3* 1.0 0.5 0.25 (0.0)
olvi4* 0.25 0.75 1.0 0.75
cmyn4* 0.75 0.25 0.0 0.25
standard and adapted CIELAB
LAB*LAB 40.25 -7.39 -33.6
LAB*LABa 40.25 -7.39 -33.6
LAB*TCa 37.51 44.41 257.59
relative CIELAB lab*
lab*lab 0.287 -0.16 -0.731
lab*tch 0.375 0.75 0.716
lab*nc 0.25 0.75 0.716
relative Natural Colour (NC)
lab*lrj 0.287 -0.308 -0.682
lab*tce 0.375 0.75 0.682
lab*nce 0.25 0.75 g72b

relative Inform. Technology (IT)
olvi3* 0.0 0.5 1.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olvi4* 0.0 0.5 1.0 1.0
cmyn4* 1.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 42.17 0.38 -44.7
LAB*LABa 42.17 0.38 -44.7
LAB*TCa 50.0 44.71 270.48
relative CIELAB lab*
lab*lab 0.312 0.008 -0.999
lab*tch 0.5 1.0 0.751
lab*nc 0.0 1.0 0.751
relative Natural Colour (NC)
lab*lrj 0.312 -0.251 -0.966
lab*tce 0.5 1.0 0.709
lab*nce 0.0 1.0 g83b

a04

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.0 (1.0)
cmyn3* 1.0 0.25 1.0 (0.0)
olvi4* 0.25 1.0 0.25 0.75
cmyn4* 0.75 0.0 0.75 0.25
standard and adapted CIELAB
LAB*LAB 42.68 -47.09 27.41
LAB*LABa 42.68 -47.11 26.21
LAB*TCa 37.51 53.92 150.91
relative CIELAB lab*
lab*lab 0.319 -0.654 0.365
lab*tch 0.375 0.75 0.419
lab*nc 0.25 0.75 0.419
relative Natural Colour (NC)
lab*lrj 0.319 -0.687 0.298
lab*tce 0.375 0.75 0.435
lab*nce 0.25 0.75 j73b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.25 (1.0)
cmyn3* 1.0 0.25 0.75 (0.0)
olvi4* 0.25 1.0 0.75 0.5
cmyn4* 0.75 0.0 0.5 0.25
standard and adapted CIELAB
LAB*LAB 44.61 -39.0 7.35
LAB*LABa 44.61 -38.99 6.23
LAB*TCa 37.51 39.5 170.93
relative CIELAB lab*
lab*lab 0.344 -0.74 0.118
lab*tch 0.375 0.75 0.475
lab*nc 0.25 0.75 0.475
relative Natural Colour (NC)
lab*lrj 0.344 -0.749 0.0
lab*tce 0.375 0.75 0.5
lab*nce 0.25 0.75 g00b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.5 (1.0)
cmyn3* 1.0 0.25 0.5 (0.0)
olvi4* 0.25 1.0 1.0 0.5
cmyn4* 0.75 0.0 0.25 0.25
standard and adapted CIELAB
LAB*LAB 46.54 -30.82 -12.3
LAB*LABa 46.54 -30.87 -13.76
LAB*TCa 37.51 33.81 204.03
relative CIELAB lab*
lab*lab 0.369 -0.684 -0.304
lab*tch 0.375 0.75 0.567
lab*nc 0.25 0.75 0.567
relative Natural Colour (NC)
lab*lrj 0.369 -0.678 -0.317
lab*tce 0.375 0.75 0.57
lab*nce 0.25 0.75 g27b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 0.75 (1.0)
cmyn3* 1.0 0.25 0.25 (0.0)
olvi4* 0.25 1.0 1.0 0.75
cmyn4* 0.75 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 48.47 -22.03 -32.17
LAB*LABa 48.47 -22.75 -33.75
LAB*TCa 37.51 40.72 236.02
relative CIELAB lab*
lab*lab 0.394 -0.418 -0.621
lab*tch 0.375 0.75 0.656
lab*nc 0.25 0.75 0.656
relative Natural Colour (NC)
lab*lrj 0.394 -0.488 -0.568
lab*tce 0.375 0.75 0.637
lab*nce 0.25 0.75 g54b

relative Inform. Technology (IT)
olvi3* 0.0 0.75 1.0 (1.0)
cmyn3* 1.0 0.25 0.0 (0.0)
olvi4* 0.0 0.75 1.0 1.0
cmyn4* 1.0 0.25 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.4 -15.1 -43.13
LAB*LABa 50.4 -14.98 -44.85
LAB*TCa 50.0 47.3 251.53
relative CIELAB lab*
lab*lab 0.418 -0.316 -0.947
lab*tch 0.5 1.0 0.699
lab*nc 0.0 1.0 0.699
relative Natural Colour (NC)
lab*lrj 0.418 -0.483 -0.874
lab*tce 0.5 1.0 0.67
lab*nce 0.0 1.0 g67b

a05

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olvi4* 0.0 1.0 1.0 1.0
cmyn4* 1.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.9 -62.81 34.95
LAB*LABa 50.9 -62.81 34.95
LAB*TCa 50.0 71.89 150.91
relative CIELAB lab*
lab*lab 0.425 -0.873 0.486
lab*tch 0.5 1.0 0.419
lab*nc 0.0 1.0 0.419
relative Natural Colour (NC)
lab*lrj 0.425 -0.916 0.398
lab*tce 0.5 1.0 0.435
lab*nce 0.0 1.0 j73b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.25 (1.0)
cmyn3* 1.0 0.0 0.75 (0.0)
olvi4* 0.0 1.0 0.25 1.0
cmyn4* 1.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 52.83 -54.7 14.96
LAB*LABa 52.83 -54.7 14.96
LAB*TCa 50.0 56.71 164.7
relative CIELAB lab*
lab*lab 0.445 -0.963 0.264
lab*tch 0.5 1.0 0.458
lab*nc 0.0 1.0 0.458
relative Natural Colour (NC)
lab*lrj 0.445 -0.991 0.126
lab*tce 0.5 1.0 0.48
lab*nce 0.0 1.0 j91b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.5 (1.0)
cmyn3* 1.0 0.0 0.5 (0.0)
olvi4* 0.0 1.0 0.5 1.0
cmyn4* 1.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 54.76 -46.78 -0.01
LAB*LABa 54.76 -46.57 -0.02
LAB*TCa 50.0 46.85 186.17
relative CIELAB lab*
lab*lab 0.475 -0.993 -0.106
lab*tch 0.5 1.0 0.517
lab*nc 0.0 1.0 0.517
relative Natural Colour (NC)
lab*lrj 0.475 -0.978 -0.2
lab*tce 0.5 1.0 0.532
lab*nce 0.0 1.0 g12b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 0.75 (1.0)
cmyn3* 1.0 0.0 0.25 (0.0)
olvi4* 0.0 1.0 0.75 1.0
cmyn4* 1.0 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 56.69 -38.45 -25.02
LAB*LABa 56.69 -38.45 -25.02
LAB*TCa 50.0 45.89 213.05
relative CIELAB lab*
lab*lab 0.5 -0.837 -0.544
lab*tch 0.5 1.0 0.592
lab*nc 0.0 1.0 0.592
relative Natural Colour (NC)
lab*lrj 0.5 -0.827 -0.528
lab*tce 0.5 1.0 0.589
lab*nce 0.0 1.0 g35b

relative Inform. Technology (IT)
olvi3* 0.0 1.0 1.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olvi4* 0.0 1.0 1.0 1.0
cmyn4* 1.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 58.62 -30.33 -45.01
LAB*LABa 58.62 -30.33 -45.01
LAB*TCa 50.0 54.29 236.02
relative CIELAB lab*
lab*lab 0.525 -0.558 -0.828
lab*tch 0.5 1.0 0.656
lab*nc 0.0 1.0 0.656
relative Natural Colour (NC)
lab*lrj 0.525 -0.651 -0.757
lab*tce 0.5 1.0 0.637
lab*nce 0.0 1.0 g54b

(olv3* = 0.0, 1, 0)

LE390-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.0 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)

125 colours in CIELAB and three relative device systems (DS)

input: olv* setrgbcolor

output: no change compared to input

(olv3* = 0.25, l3*, v3*)

b01

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.75 0.75 0.25
cmyn4* 0.0 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.66
LAB*LABa 25.5 16.34 12.62
LAB*LABb 12.5 20.65 37.69
relative CIELAB lab*
lab*lab 0.097 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*lrj 0.097 0.246 0.042
lab*tce 0.125 0.25 0.027
lab*nce 0.75 0.25 r10j

b02

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.75 1.0 0.25
cmyn4* 0.0 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 25.5 16.7 12.66
LAB*LABa 25.5 16.34 12.62
LAB*LABb 12.5 20.65 37.69
relative CIELAB lab*
lab*lab 0.097 0.198 0.153
lab*tch 0.125 0.25 0.105
lab*nch 0.75 0.25 0.105
relative Natural Colour (NC)
lab*lrj 0.097 0.246 0.042
lab*tce 0.125 0.25 0.027
lab*nce 0.75 0.25 r10j

b03

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 1.0 0.75 1.0 0.5
cmyn4* 0.0 0.25 0.0 0.5
standard and adapted CIELAB
LAB*LAB 27.47 26.9 -13.01
LAB*LABa 27.47 26.59 -13.18
LAB*LABb 25.01 29.68 33.61
relative CIELAB lab*
lab*lab 0.122 0.448 -0.221
lab*tch 0.25 0.5 0.927
lab*nch 0.5 0.5 0.927
relative Natural Colour (NC)
lab*lrj 0.122 0.315 -0.387
lab*tce 0.25 0.5 0.908
lab*nce 0.5 0.5 b43r

b04

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 0.5 0.25 1.0 0.75
cmyn4* 0.0 0.25 0.0 0.25
standard and adapted CIELAB
LAB*LAB 29.4 34.6 -23.99
LAB*LABa 29.4 34.36 -24.29
LAB*LABb 31.33 32.68 32.74
relative CIELAB lab*
lab*lab 0.147 0.612 -0.432
lab*tch 0.375 0.75 0.902
lab*nch 0.25 0.75 0.902
relative Natural Colour (NC)
lab*lrj 0.147 0.387 -0.641
lab*tce 0.375 0.75 0.836
lab*nce 0.25 0.75 b34r

b05

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 1.0 0.0 (0.0)
olvi4* 0.25 0.0 1.0 1.0
cmyn4* 0.0 0.75 1.0 0.0
standard and adapted CIELAB
LAB*LAB 31.33 42.38 -34.95
LAB*LABa 31.33 42.13 -35.38
LAB*LABb 50.0 55.03 319.97
relative CIELAB lab*
lab*lab 0.172 0.766 -0.642
lab*tch 0.5 1.0 0.889
lab*nch 0.0 1.0 0.889
relative Natural Colour (NC)
lab*lrj 0.172 0.452 -0.891
lab*tce 0.5 1.0 0.825
lab*nce 0.0 1.0 b29r

(olv3* = 0.25, 0, 1)

System: ORS18

b01

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.75 0.25
cmyn4* 0.0 0.25 0.0 0.75
standard and adapted CIELAB
LAB*LAB 36.1 -2.4 23.68
LAB*LABa 36.1 -2.56 22.93
LAB*LABb 12.5 23.07 96.38
relative CIELAB lab*
lab*lab 0.234 -0.027 0.248
lab*tch 0.125 0.25 0.268
lab*nch 0.75 0.25 0.268
relative Natural Colour (NC)
lab*lrj 0.234 -0.009 0.25
lab*tce 0.125 0.25 0.256
lab*nce 0.75 0.25 r02b

b02

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.75 1.0 (0.0)
olvi4* 1.0 1.0 0.75 0.5
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.36 0.13 0.83
LAB*LABa 37.36 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 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lrj 0.25 0.0 0.0
lab*tce 0.25 0.0 -
lab*nce 0.75 0.0 -

b03

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 0.5
cmyn4* 0.25 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 39.25 7.87 -10.13
LAB*LABa 39.29 7.77 -11.09
LAB*LABb 37.5 13.55 30.5
relative CIELAB lab*
lab*lab 0.275 0.143 -0.204
lab*tch 0.375 0.25 0.847
lab*nch 0.5 0.25 0.847
relative Natural Colour (NC)
lab*lrj 0.275 0.059 -0.242
lab*tce 0.375 0.25 0.788
lab*nce 0.5 0.25 b15r

b04

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.5 0.5 1.0 0.75
cmyn4* 0.0 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 41.22 15.6 -21.1
LAB*LABa 41.22 15.55 -22.2
LAB*LABb 50.0 17.11 305.0
relative CIELAB lab*
lab*lab 0.3 0.287 -0.409
lab*tch 0.5 0.5 0.847
lab*nch 0.0 0.75 0.847
relative Natural Colour (NC)
lab*lrj 0.3 0.117 -0.485
lab*tce 0.5 0.5 0.788
lab*nce 0.25 0.5 b15r

b05

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.25 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 43.14 23.34 -32.07
LAB*LABa 43.14 23.32 -33.29
LAB*LABb 62.5 40.66 305.0
relative CIELAB lab*
lab*lab 0.325 0.43 -0.613
lab*tch 0.625 0.75 0.847
lab*nch 0.0 0.75 0.847
relative Natural Colour (NC)
lab*lrj 0.325 0.176 -0.728
lab*tce 0.625 0.75 0.788
lab*nce 0.0 0.75 b15r

b01

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 1.0 (0.0)
olvi4* 0.75 1.0 0.5 0.5
cmyn4* 0.25 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 44.32 -18.27 32.98
LAB*LABa 44.32 -18.26 31.67
LAB*LABb 25.01 36.56 119.99
relative CIELAB lab*
lab*lab 0.34 -0.249 0.433
lab*tch 0.25 0.5 0.333
lab*nch 0.5 0.5 0.333
relative Natural Colour (NC)
lab*lrj 0.34 -0.25 0.432
lab*tce 0.25 0.5 0.334
lab*nce 0.5 0.5 j53b

b02

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 1.0 (0.0)
olvi4* 0.75 1.0 0.75 0.5
cmyn4* 0.25 0.0 0.25 0.5
standard and adapted CIELAB
LAB*LAB 45.58 -15.7 8.74
LAB*LABa 45.58 -15.7 8.74
LAB*LABb 37.5 17.98 150.91
relative CIELAB lab*
lab*lab 0.356 -0.217 0.122
lab*tch 0.375 0.25 0.419
lab*nch 0.5 0.25 0.419
relative Natural Colour (NC)
lab*lrj 0.356 -0.228 0.1
lab*tce 0.375 0.25 0.435
lab*nce 0.5 0.25 j73b

b03

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.75 1.0 1.0 0.5
cmyn4* 0.25 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.51 -9.74 -9.72
LAB*LABa 47.51 -7.58 -11.25
LAB*LABb 37.5 13.57 236.02
relative CIELAB lab*
lab*lab 0.381 -0.139 -0.206
lab*tch 0.375 0.25 0.656
lab*nch 0.5 0.25 0.656
relative Natural Colour (NC)
lab*lrj 0.381 -0.162 -0.189
lab*tce 0.375 0.25 0.637
lab*nce 0.5 0.25 g54b

b04

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.5 0.75 1.0 0.75
cmyn4* 0.0 0.25 0.0 0.25
standard and adapted CIELAB
LAB*LAB 49.08 -20.7
LAB*LABa 49.08 -20.7
LAB*LABb 50.0 22.36 270.48
relative CIELAB lab*
lab*lab 0.406 -0.094 -0.499
lab*tch 0.5 0.5 0.751
lab*nch 0.25 0.5 0.751
relative Natural Colour (NC)
lab*lrj 0.406 -0.125 -0.483
lab*tce 0.5 0.5 0.709
lab*nce 0.25 0.5 g83b

b05

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.25 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 51.37 7.82 -31.66
LAB*LABa 51.37 7.96 -33.45
LAB*LABb 62.5 34.39 283.38
relative CIELAB lab*
lab*lab 0.431 0.174 -0.729
lab*tch 0.625 0.75 0.787
lab*nch 0.0 0.75 0.787
relative Natural Colour (NC)
lab*lrj 0.431 -0.062 -0.746
lab*tce 0.625 0.75 0.737
lab*nce 0.0 0.75 g94b

b01

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.25 0.75
cmyn4* 0.0 0.5 0.75 0.25
standard and adapted CIELAB
LAB*LAB 52.55 -33.47 40.41
LAB*LABa 52.55 -33.47 40.41
LAB*LABb 37.51 52.8 130.07
relative CIELAB lab*
lab*lab 0.446 -0.482 0.574
lab*tch 0.375 0.75 0.361
lab*nch 0.25 0.75 0.361
relative Natural Colour (NC)
lab*lrj 0.446 -0.501 0.557
lab*tce 0.375 0.75 0.367
lab*nce 0.25 0.75 j46b

b02

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 1.0 (0.0)
olvi4* 0.5 1.0 0.5 0.75
cmyn4* 0.0 0.5 0.5 0.25
standard and adapted CIELAB
LAB*LAB 53.81 -31.6 19.43
LAB*LABa 53.81 -31.41 17.48
LAB*LABb 50.0 35.95 150.91
relative CIELAB lab*
lab*lab 0.462 -0.436 0.243
lab*tch 0.5 0.5 0.419
lab*nch 0.25 0.5 0.419
relative Natural Colour (NC)
lab*lrj 0.462 -0.458 0.199
lab*tce 0.5 0.5 0.435
lab*nce 0.25 0.5 j73b

b03

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.5 1.0 0.75 0.75
cmyn4* 0.0 0.5 0.25 0.25
standard and adapted CIELAB
LAB*LAB 55.74 -23.51 -0.43
LAB*LABa 55.74 -23.29 -2.51
LAB*LABb 50.0 23.43 186.17
relative CIELAB lab*
lab*lab 0.487 -0.496 -0.053
lab*tch 0.5 0.5 0.517
lab*nch 0.25 0.5 0.517
relative Natural Colour (NC)
lab*lrj 0.487 -0.489 -0.1
lab*tce 0.5 0.5 0.532
lab*nce 0.25 0.5 g12b

b04

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.5 1.0 1.0 0.75
cmyn4* 0.0 0.5 0.0 0.25
standard and adapted CIELAB
LAB*LAB 57.67 -15.43 -20.29
LAB*LABa 57.67 -15.16 -22.5
LAB*LABb 50.0 27.15 236.02
relative CIELAB lab*
lab*lab 0.512 -0.278 -0.414
lab*tch 0.5 0.5 0.656
lab*nch 0.25 0.5 0.656
relative Natural Colour (NC)
lab*lrj 0.512 -0.325 -0.378
lab*tce 0.5 0.5 0.637
lab*nce 0.25 0.5 g54b

b05

relative Inform. Technology (IT)
olvi3* 0.25 0.0 0.0 (1.0)
cmyn3* 0.75 0.5 0.5 (0.0)
olvi4* 0.25 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 59.59 -7.69 -31.26
LAB*LABa 59.59 -7.39 -33.6
LAB*LABb 62.5 34.42 257.58
relative CIELAB lab*
lab*lab 0.531 -0.16 -0.731
lab*tch 0.625 0.75 0.715
lab*nch 0.0 0.75 0.715
relative Natural Colour (NC)
lab*lrj 0.531 -0.308 -0.682
lab*tce 0.625 0.75 0.682
lab*nce 0.0 0.75 g72b

b01

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.0 (1.0)
cmyn3* 0.75 0.0 1.0 (0.0)
olvi4* 0.25 1.0 0.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 60.76 -49.68 49.14
LAB*LABa 60.76 -49.68 49.14
LAB*LABb 50.0 69.88 135.32
relative CIELAB lab*
lab*lab 0.552 -0.71 0.703
lab*tch 0.5 1.0 0.376
lab*nch 0.0 1.0 0.376
relative Natural Colour (NC)
lab*lrj 0.552 -0.744 0.667
lab*tce 0.5 1.0 0.384
lab*nce 0.0 1.0 j53b

b02

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 62.02 -47.11 26.21
LAB*LABa 62.02 -47.11 26.21
LAB*LABb 62.5 53.92 150.91
relative CIELAB lab*
lab*lab 0.569 -0.654 0.365
lab*tch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*lrj 0.569 -0.687 0.298
lab*tce 0.625 0.75 0.435
lab*nce 0.0 0.75 j73b

b03

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 63.95 -38.89 6.22
LAB*LABa 63.95 -38.89 6.22
LAB*LABb 62.5 62.49 170.94
relative CIELAB lab*
lab*lab 0.594 -0.74 0.118
lab*tch 0.625 0.75 0.475
lab*nch 0.0 0.75 0.475
relative Natural Colour (NC)
lab*lrj 0.594 -0.769 0.1
lab*tce 0.625 0.75 0.5
lab*nce 0.0 0.75 g00b

b04

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 65.88 -30.87 -13.77
LAB*LABa 65.88 -30.87 -13.77
LAB*LABb 62.5 33.81 204.04
relative CIELAB lab*
lab*lab 0.619 -0.684 -0.305
lab*tch 0.625 0.75 0.567
lab*nch 0.0 0.75 0.567
relative Natural Colour (NC)
lab*lrj 0.619 -0.678 -0.317
lab*tce 0.625 0.75 0.57
lab*nce 0.0 0.75 g27b

b05

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.0 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olvi4* 0.25 1.0 0.0 1.0
cmyn4* 0.75 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 67.81 -22.21 -30.66
LAB*LABa 67.81 -22.75 -33.75
LAB*LABb 62.5 40.72 236.02
relative CIELAB lab*
lab*lab 0.643 -0.418 -0.621
lab*tch 0.625 0.75 0.656
lab*nch 0.0 0.75 0.656
relative Natural Colour (NC)
lab*lrj 0.643 -0.488 -0.568
lab*tce 0.625 0.75 0.637
lab*nce 0.0 0.75 g54b

(olv3* = 0.25, 1, 0)

LE390-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.25 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)

125 colours in CIELAB and three relative device systems (DS)

input: olv* setrgbcolor

output: no change compared to input

(olv3* = 0.5, l3*, v3*)

</

(olv3* = 0.5, 1, 0)

LE390-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.5 = const.

BAM-test chart no. LE39; Offset reflective system (ORS)

125 colours in CIELAB and three relative device systems (DS)

input: olv* setrgbcolor

output: no change compared to input

(olv3* = 0.75, l3*, v3*)

	A		B		C		D		E	
	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
d01	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)
	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)
	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75
	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25	cmyn4* 0.0 0.75 0.25 0.25
	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
d02	LAB*LAB 40.46 49.1 38.93	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88
	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69
	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*
	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458
	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105
d03	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105
	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126
	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027
	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j	lab*nce 0.25 0.75 r10j
d04	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)	olvi3* 0.75 0.5 0.0 (1.0)
	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)	cmyn3* 0.25 0.5 0.0 (0.0)
	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75	olvi4* 1.0 0.75 0.25 0.75
	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25	cmyn4* 0.0 0.25 0.75 0.25
d05	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9
	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9	LAB*LAB 80.5 -23.9 81.9
	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*
	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957	lab*lab 0.807 -0.288 0.957

(olv3* = 0.75, 1, 0)

(olv3* = 1.0, l3*, v3*)

(olv3* = 1.0, 0, 1)

System: ORS18

e01

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.0 (1.0)
cmyn3* 0.0 1.0 0.75 (0.0)
olv4* 1.0 0.0 0.0 1.0
cmyn4* 0.0 1.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 47.94 65.3 52.06
LAB*LABa 47.94 67.77 37.35
LAB*LABb 47.94 67.85 35.79
LAB*TCb 50.0 82.61 37.69
relative CIELAB lab*
lab*lab 0.387 0.791 0.611
lab*tch 0.5 1.0 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.387 0.986 0.167
lab*tce 0.5 1.0 0.027
lab*nce 0.0 1.0 r10

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.25 (1.0)
cmyn3* 0.0 1.0 0.75 (0.0)
olv4* 1.0 0.0 0.25 1.0
cmyn4* 0.0 1.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 47.99 67.77 37.35
LAB*LABa 47.99 67.85 35.79
LAB*TCb 50.0 76.71 27.81
relative CIELAB lab*
lab*lab 0.387 0.884 0.467
lab*tch 0.5 1.0 0.077
lab*nch 0.0 1.0 0.077
relative Natural Colour (NC)
lab*lrj 0.387 0.999 -0.047
lab*tce 0.5 1.0 0.965
lab*nce 0.0 1.0 b96c

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.5 (1.0)
cmyn3* 0.0 1.0 0.5 (0.0)
olv4* 1.0 0.0 0.5 1.0
cmyn4* 0.0 1.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 48.04 70.24 22.63
LAB*LABa 48.04 70.32 21.07
LAB*TCb 50.0 73.41 16.68
relative CIELAB lab*
lab*lab 0.388 0.958 0.287
lab*tch 0.5 1.0 0.046
lab*nch 0.0 1.0 0.046
relative Natural Colour (NC)
lab*lrj 0.388 0.976 -0.218
lab*tce 0.5 1.0 0.965
lab*nce 0.0 1.0 b85r

relative Inform. Technology (IT)
olv3* 1.0 0.0 0.75 (1.0)
cmyn3* 0.0 1.0 0.25 (0.0)
olv4* 1.0 0.0 0.75 1.0
cmyn4* 0.0 1.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 48.08 72.71 7.91
LAB*LABa 48.08 72.79 6.35
LAB*TCb 50.0 73.07 4.99
relative CIELAB lab*
lab*lab 0.389 0.996 0.087
lab*tch 0.5 1.0 0.014
lab*nch 0.0 1.0 0.014
relative Natural Colour (NC)
lab*lrj 0.389 0.92 -0.391
lab*tce 0.5 1.0 0.936
lab*nce 0.0 1.0 b74r

relative Inform. Technology (IT)
olv3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olv4* 1.0 0.0 1.0 1.0
cmyn4* 0.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 48.13 75.18 -6.79
LAB*LABa 48.13 75.26 -8.35
LAB*TCb 50.0 75.73 353.66
relative CIELAB lab*
lab*lab 0.389 0.994 -0.109
lab*tch 0.5 1.0 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*lrj 0.389 0.837 -0.546
lab*tce 0.5 1.0 0.908
lab*nce 0.0 1.0 b63r

e02

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.0 (1.0)
cmyn3* 0.0 0.75 1.0 (0.0)
olv4* 1.0 0.25 0.0 1.0
cmyn4* 0.0 0.75 1.0 0.0
standard and adapted CIELAB
LAB*LAB 58.55 46.19 63.08
LAB*LABa 58.55 46.47 60.81
LAB*TCb 50.0 76.53 52.62
relative CIELAB lab*
lab*lab 0.524 0.607 0.794
lab*tch 0.5 1.0 0.146
lab*nch 0.0 1.0 0.146
relative Natural Colour (NC)
lab*lrj 0.524 0.859 0.512
lab*tce 0.5 1.0 0.086
lab*nce 0.0 1.0 r34j

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olv4* 1.0 0.25 0.25 1.0
cmyn4* 0.0 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 59.8 48.73 40.24
LAB*LABa 59.8 49.03 37.88
LAB*TCb 62.5 61.96 37.69
relative CIELAB lab*
lab*lab 0.54 0.593 0.458
lab*tch 0.625 0.75 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.54 0.739 0.126
lab*tce 0.625 0.75 0.027
lab*nce 0.0 0.75 r19j

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.5 (1.0)
cmyn3* 0.0 0.75 0.5 (0.0)
olv4* 1.0 0.25 0.5 1.0
cmyn4* 0.0 0.75 0.5 0.0
standard and adapted CIELAB
LAB*LAB 59.85 51.2 25.52
LAB*LABa 59.85 51.51 23.16
LAB*TCb 62.5 56.47 24.21
relative CIELAB lab*
lab*lab 0.541 0.684 0.308
lab*tch 0.625 0.75 0.067
lab*nch 0.0 1.0 0.067
relative Natural Colour (NC)
lab*lrj 0.541 0.746 -0.077
lab*tce 0.625 0.75 0.983
lab*nce 0.0 0.75 r93r

relative Inform. Technology (IT)
olv3* 1.0 0.25 0.75 (1.0)
cmyn3* 0.0 0.75 0.25 (0.0)
olv4* 1.0 0.25 0.75 1.0
cmyn4* 0.0 0.75 0.25 0.0
standard and adapted CIELAB
LAB*LAB 59.9 53.67 10.8
LAB*LABa 59.9 53.98 8.45
LAB*TCb 62.5 46.64 8.89
relative CIELAB lab*
lab*lab 0.541 0.741 0.116
lab*tch 0.625 0.75 0.025
lab*nch 0.0 1.0 0.025
relative Natural Colour (NC)
lab*lrj 0.541 0.707 -0.25
lab*tce 0.625 0.75 0.946
lab*nce 0.0 0.75 b78r

relative Inform. Technology (IT)
olv3* 1.0 0.25 1.0 (1.0)
cmyn3* 0.0 0.75 0.0 (0.0)
olv4* 1.0 0.25 1.0 1.0
cmyn4* 0.0 0.75 0.0 0.0
standard and adapted CIELAB
LAB*LAB 59.95 56.15 -3.9
LAB*LABa 59.95 56.45 -6.26
LAB*TCb 62.5 56.8 353.66
relative CIELAB lab*
lab*lab 0.542 0.745 -0.082
lab*tch 0.625 0.75 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*lrj 0.542 0.628 -0.409
lab*tce 0.625 0.75 0.908
lab*nce 0.0 0.75 b63r

e03

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.0 (1.0)
cmyn3* 0.0 0.5 1.0 (0.0)
olv4* 1.0 0.5 0.0 1.0
cmyn4* 0.0 0.5 1.0 0.0
standard and adapted CIELAB
LAB*LAB 69.15 27.07 74.11
LAB*LABa 69.15 27.55 71.12
LAB*TCb 50.0 76.27 68.82
relative CIELAB lab*
lab*lab 0.661 0.361 0.932
lab*tch 0.5 1.0 0.191
lab*nch 0.0 1.0 0.191
relative Natural Colour (NC)
lab*lrj 0.661 0.591 0.806
lab*tce 0.5 1.0 0.149
lab*nce 0.0 1.0 r59j

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.25 (1.0)
cmyn3* 0.0 0.5 0.75 (0.0)
olv4* 1.0 0.5 0.25 1.0
cmyn4* 0.0 0.5 0.75 0.0
standard and adapted CIELAB
LAB*LAB 70.41 30.12 48.19
LAB*LABa 70.41 30.12 48.19
LAB*TCb 62.5 56.83 57.99
relative CIELAB lab*
lab*lab 0.677 0.397 0.636
lab*tch 0.625 0.75 0.161
lab*nch 0.0 1.0 0.161
relative Natural Colour (NC)
lab*lrj 0.677 0.588 0.466
lab*tce 0.625 0.75 0.107
lab*nce 0.0 0.75 r45j

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olv4* 1.0 0.5 0.5 1.0
cmyn4* 0.0 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.69 25.25
LAB*TCb 75.0 41.31 37.69
relative CIELAB lab*
lab*lab 0.693 0.396 0.306
lab*tch 0.75 0.5 0.105
lab*nch 0.0 1.0 0.105
relative Natural Colour (NC)
lab*lrj 0.693 0.493 0.084
lab*tce 0.75 0.5 0.027
lab*nce 0.0 1.0 r10j

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.75 (1.0)
cmyn3* 0.0 0.5 0.25 (0.0)
olv4* 1.0 0.5 0.75 1.0
cmyn4* 0.0 0.5 0.25 0.0
standard and adapted CIELAB
LAB*LAB 71.72 34.61 13.69
LAB*LABa 71.72 35.16 10.53
LAB*TCb 75.0 36.7 16.68
relative CIELAB lab*
lab*lab 0.694 0.479 0.143
lab*tch 0.75 0.5 0.046
lab*nch 0.0 1.0 0.046
relative Natural Colour (NC)
lab*lrj 0.694 0.488 -0.108
lab*tce 0.75 0.5 0.965
lab*nce 0.0 0.5 b85r

relative Inform. Technology (IT)
olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv4* 1.0 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 71.77 37.17 -1.01
LAB*LABa 71.77 37.63 -4.17
LAB*TCb 75.0 37.96 353.66
relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 1.0 0.982
relative Natural Colour (NC)
lab*lrj 0.695 0.419 -0.272
lab*tce 0.75 0.5 0.908
lab*nce 0.0 0.5 b63r

e04

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.0 (1.0)
cmyn3* 0.0 0.75 1.0 (0.0)
olv4* 1.0 0.75 0.0 1.0
cmyn4* 0.0 0.75 1.0 0.0
standard and adapted CIELAB
LAB*LAB 79.76 7.95 85.13
LAB*LABa 79.76 8.64 81.43
LAB*TCb 50.0 81.89 83.94
relative CIELAB lab*
lab*lab 0.798 0.106 0.994
lab*tch 0.5 1.0 0.233
lab*nch 0.0 1.0 0.233
relative Natural Colour (NC)
lab*lrj 0.798 0.256 0.966
lab*tce 0.5 1.0 0.209
lab*nce 0.0 1.0 r83j

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.25 (1.0)
cmyn3* 0.0 0.75 0.75 (0.0)
olv4* 1.0 0.75 0.25 1.0
cmyn4* 0.0 0.75 0.75 0.0
standard and adapted CIELAB
LAB*LAB 81.02 10.49 62.29
LAB*LABa 81.02 11.21 58.5
LAB*TCb 62.5 59.56 79.16
relative CIELAB lab*
lab*lab 0.814 0.141 0.737
lab*tch 0.625 0.75 0.22
lab*nch 0.0 0.75 0.22
relative Natural Colour (NC)
lab*lrj 0.814 0.276 0.697
lab*tce 0.625 0.75 0.19
lab*nce 0.0 0.75 r75j

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.5 (1.0)
cmyn3* 0.0 0.75 0.5 (0.0)
olv4* 1.0 0.75 0.5 1.0
cmyn4* 0.0 0.75 0.5 0.0
standard and adapted CIELAB
LAB*LAB 82.28 13.04 39.43
LAB*LABa 82.28 13.77 35.56
LAB*TCb 75.0 38.14 68.83
relative CIELAB lab*
lab*lab 0.83 0.181 0.466
lab*tch 0.75 0.5 0.191
lab*nch 0.0 0.5 0.191
relative Natural Colour (NC)
lab*lrj 0.83 0.296 0.403
lab*tce 0.75 0.5 0.149
lab*nce 0.0 0.5 r59j

relative Inform. Technology (IT)
olv3* 1.0 0.75 0.75 (1.0)
cmyn3* 0.0 0.75 0.25 (0.0)
olv4* 1.0 0.75 0.75 1.0
cmyn4* 0.0 0.75 0.25 0.0
standard and adapted CIELAB
LAB*LAB 83.54 16.34 12.62
LAB*TCb 87.5 20.65 37.69
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*lrj 0.847 0.246 0.042
lab*tce 0.875 0.25 0.027
lab*nce 0.0 0.25 r10j

relative Inform. Technology (IT)
olv3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.75 0.0 (0.0)
olv4* 1.0 0.75 1.0 1.0
cmyn4* 0.0 0.75 0.0 0.0
standard and adapted CIELAB
LAB*LAB 83.59 18.05 1.87
LAB*LABa 83.59 18.81 -2.08
LAB*TCb 87.5 18.93 353.66
relative CIELAB lab*
lab*lab 0.847 0.248 -0.027
lab*tch 0.875 0.25 0.982
lab*nch 0.0 0.25 0.982
relative Natural Colour (NC)
lab*lrj 0.847 0.209 -0.136
lab*tce 0.875 0.25 0.908
lab*nce 0.0 0.25 b63r

e05

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 0.0 1.0
cmyn4* 0.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 90.36 -11.5 96.15
LAB*LABa 90.36 -10.25 91.73
LAB*TCb 50.0 92.3 96.38
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*lrj 0.935 -0.04 0.999
lab*tce 0.5 1.0 0.256
lab*nce 0.0 1.0 j02g

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.25 (1.0)
cmyn3* 0.0 0.0 0.75 (0.0)
olv4* 1.0 1.0 0.25 1.0
cmyn4* 0.0 0.0 0.75 0.0
standard and adapted CIELAB
LAB*LAB 91.62 -8.61 73.31
LAB*LABa 91.62 -7.69 68.8
LAB*TCb 62.5 69.23 96.38
relative CIELAB lab*
lab*lab 0.951 0.082 0.745
lab*tch 0.625 0.75 0.268
lab*nch 0.0 0.75 0.268
relative Natural Colour (NC)
lab*lrj 0.951 0.069 0.749
lab*tce 0.625 0.75 0.256
lab*nce 0.0 0.75 j02g

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olv4* 1.0 1.0 0.5 1.0
cmyn4* 0.0 0.0 0.5 0.0
standard and adapted CIELAB
LAB*LAB 92.88 -5.12 58.7
LAB*LABa 92.88 -5.12 58.7
LAB*TCb 75.0 46.15 96.38
relative CIELAB lab*
lab*lab 0.967 0.055 0.497
lab*tch 0.75 0.5 0.268
lab*nch 0.0 0.5 0.268
relative Natural Colour (NC)
lab*lrj 0.967 0.019 0.499
lab*tce 0.75 0.5 0.256
lab*nce 0.0 0.5 j02g

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.75 (1.0)
cmyn3* 0.0 0.0 0.25 (0.0)
olv4* 1.0 1.0 0.75 1.0
cmyn4* 0.0 0.0 0.25 0.0
standard and adapted CIELAB
LAB*LAB 94.14 -3.52 27.6
LAB*LABa 94.14 -2.56 22.93
LAB*TCb 87.5 23.07 96.38
relative CIELAB lab*
lab*lab 0.984 0.027 0.248
lab*tch 0.875 0.25 0.268
lab*nch 0.0 0.25 0.268
relative Natural Colour (NC)
lab*lrj 0.984 0.009 0.25
lab*tce 0.875 0.25 0.256
lab*nce 0.0 0.25 j02g

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.41 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCb 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0 -
lab*tch 1.0 0.0 0.0 -
lab*nch 0.0 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.984 0.0 0.0 0.0
lab*tce 1.0 0.0 0.0 -
lab*nce 0.0 0.0 0.0 -

(olv3* = 1.0, 1, 0)

input: olv* setrgbcolor
output: no change compared to input