

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

A

a01

System: ORS18

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 0.5 -0.47
LAB*LABa 18.02 0.0 0.0
LAB*TCHa 0.01 0.01 -
relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*tch 0.0 0.0 -
lab*nch 1.0 0.0 -
relative Natural Colour (NC)
lab*lrj 0.0 0.0 0.0
lab*tce 0.0 0.0 -
lab*nce 1.0 0.0 -

B

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*TCHa 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*nch 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

C

(olv3* = 0.0, 0, 1)

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*TCHa 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*nch 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

a02

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*TCHa 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*nch 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 i73g

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 0.0 0.5
standard and adapted CIELAB
LAB*LAB 38.32 -15.05 -21.6
LAB*LABa 38.32 -15.16 -22.5
LAB*TCHa 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*nch 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 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 0.41 -43.54
LAB*LABa 42.17 0.38 -44.7
LAB*TCHa 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*nch 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

a03

(olv3* = 0.0, 1, 0)

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 0.0 1.0
cmyn4* 1.0 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LABa 50.9 -62.81 34.95
LAB*TCHa 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*nch 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 i73g

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 -3.01
LAB*LABa 54.76 -46.57 -5.02
LAB*TCHa 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*nch 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 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 -30.61 -42.73
LAB*LABa 58.62 -30.33 -45.01
LAB*TCHa 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*nch 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* = 0.5, l3*, v3*)

A

B

C

(olv3* = 0.5, 0, 1)

System: ORS18

b01

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olv4* 1.0 0.5 0.5 0.5
cmyn4* 0.0 0.5 0.5 0.5

standard and adapted CIELAB
LAB*LAB 32.98 32.9 25.8
LAB*LABa 32.98 32.69 25.25
LAB*TCHa 25.01 41.31 37.69

relative CIELAB lab*
lab*lab 0.193 0.396 0.306
lab*tch 0.25 0.5 0.105
lab*nch 0.5 0.5 0.105

relative Natural Colour (NC)
lab*lrj 0.193 0.493 0.084
lab*tce 0.25 0.5 0.027
lab*nce 0.5 0.5 r10i

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olv4* 1.0 0.5 1.0 0.5
cmyn4* 0.0 0.5 0.0 0.5

standard and adapted CIELAB
LAB*LAB 33.07 37.84 -3.62
LAB*LABa 33.07 37.63 -4.17
LAB*TCHa 25.01 37.86 353.66

relative CIELAB lab*
lab*lab 0.195 0.497 -0.054
lab*tch 0.25 0.5 0.982
lab*nch 0.5 0.5 0.982

relative Natural Colour (NC)
lab*lrj 0.195 0.419 -0.272
lab*tce 0.25 0.5 0.908
lab*nce 0.5 0.5 b63r

relative Inform. Technology (IT)
olv3* 0.5 0.0 1.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olv4* 0.5 0.0 1.0 1.0
cmyn4* 0.5 1.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 36.93 53.31 -25.56
LAB*LABa 36.93 53.18 -26.37
LAB*TCHa 50.0 59.36 333.61

relative CIELAB lab*
lab*lab 0.244 0.896 -0.443
lab*tch 0.5 1.0 0.927
lab*nch 0.0 1.0 0.927

relative Natural Colour (NC)
lab*lrj 0.244 0.629 -0.776
lab*tce 0.5 1.0 0.858
lab*nce 0.0 1.0 b43r

b02

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olv4* 1.0 1.0 0.5 0.5
cmyn4* 0.0 0.0 0.5 0.5

standard and adapted CIELAB
LAB*LAB 54.19 -5.32 47.84
LAB*LABa 54.19 -5.12 45.87
LAB*TCHa 25.01 46.15 96.38

relative CIELAB lab*
lab*lab 0.467 -0.055 0.497
lab*tch 0.25 0.5 0.268
lab*nch 0.5 0.5 0.268

relative Natural Colour (NC)
lab*lrj 0.467 -0.019 0.499
lab*tce 0.25 0.5 0.256
lab*nce 0.5 0.5 j02g

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5

standard and adapted CIELAB
LAB*LAB 56.71 -0.24 2.14
LAB*LABa 56.71 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nch 0.5 0.0 -

relative Natural Colour (NC)
lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 0.5 1.0 1.0
cmyn4* 0.5 0.5 0.0 0.0

standard and adapted CIELAB
LAB*LAB 60.56 15.23 -19.79
LAB*LABa 60.56 15.55 -22.19
LAB*TCHa 75.0 27.1 305.0

relative CIELAB lab*
lab*lab 0.55 0.287 -0.408
lab*tch 0.75 0.5 0.847
lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)
lab*lrj 0.55 0.117 -0.485
lab*tce 0.75 0.5 0.788
lab*nce 0.0 0.5 b15r

b03

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.0 (1.0)
cmyn3* 0.5 0.0 1.0 (0.0)
olv4* 0.5 1.0 0.0 1.0
cmyn4* 0.5 0.0 1.0 0.0

standard and adapted CIELAB
LAB*LAB 70.63 -37.05 66.43
LAB*LABa 70.63 -36.53 63.34
LAB*TCHa 50.0 73.13 119.98

relative CIELAB lab*
lab*lab 0.68 -0.499 0.866
lab*tch 0.5 1.0 0.333
lab*nch 0.0 1.0 0.333

relative Natural Colour (NC)
lab*lrj 0.68 -0.501 0.865
lab*tce 0.5 1.0 0.334
lab*nce 0.0 1.0 j33g

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 0.5 1.0 0.5 1.0
cmyn4* 0.5 0.0 0.5 0.0

standard and adapted CIELAB
LAB*LAB 73.15 -31.96 20.73
LAB*LABa 73.15 -31.4 17.48
LAB*TCHa 75.0 35.95 150.91

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*tch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419

relative Natural Colour (NC)
lab*lrj 0.712 -0.458 0.199
lab*tce 0.75 0.5 0.435
lab*nce 0.0 0.5 j73g

relative Inform. Technology (IT)
olv3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.5 1.0 1.0 1.0
cmyn4* 0.5 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 77.01 -15.8 -18.98
LAB*LABa 77.01 -15.16 -22.5
LAB*TCHa 75.0 27.14 236.02

relative CIELAB lab*
lab*lab 0.762 -0.278 -0.414
lab*tch 0.75 0.5 0.656
lab*nch 0.0 0.5 0.656

relative Natural Colour (NC)
lab*lrj 0.762 -0.325 -0.378
lab*tce 0.75 0.5 0.637
lab*nce 0.0 0.5 g54b

(olv3* = 0.5, 1, 0)

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

A

B

C

(olv3* = 1.0, 0, 1)

System: ORS18

c01

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 1.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 47.94 65.3 52.06
LAB*LABa 47.94 65.37 50.51
LAB*TCHa 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 r10j

relative Inform. Technology (IT)
olvi3* 1.0 0.0 0.5 (1.0)
cmyn3* 0.0 1.0 0.5 (0.0)
olvi4* 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*TCHa 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)
olvi3* 1.0 0.0 1.0 (1.0)
cmyn3* 0.0 1.0 0.0 (0.0)
olvi4* 1.0 0.0 1.0 1.0
cmyn4* 0.0 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 48.13 75.18 -6.79
LAB*LABa 48.13 75.26 -8.35
LAB*TCHa 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

c02

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.0 (1.0)
cmyn3* 0.0 0.5 1.0 (0.0)
olvi4* 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*TCHa 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)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi4* 1.0 0.5 0.5 1.0
cmyn4* 0.0 0.5 0.5 0.0
standard and adapted CIELAB
LAB*LAB 71.67 32.15 28.41
LAB*LABa 71.67 32.69 25.25
LAB*TCHa 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 0.5 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 0.5 r10j

relative Inform. Technology (IT)
olvi3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olvi4* 1.0 0.5 1.0 1.0
cmyn4* 0.0 0.5 0.0 0.0
standard and adapted CIELAB
LAB*LAB 71.77 37.1 -1.01
LAB*LABa 71.77 37.63 -4.17
LAB*TCHa 75.0 37.86 353.66
relative CIELAB lab*
lab*lab 0.695 0.497 -0.054
lab*tch 0.75 0.5 0.982
lab*nch 0.0 0.5 0.982
relative Natural Colour (NC)
lab*lrj 0.695 0.419 -0.272
lab*tce 0.75 0.5 0.908
lab*nce 0.0 0.5 b63r

c03

relative Inform. Technology (IT)
olvi3* 1.0 1.0 0.0 (1.0)
cmyn3* 0.0 0.0 1.0 (0.0)
olvi4* 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 -11.15 96.15
LAB*LABa 90.36 -10.25 91.73
LAB*TCHa 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)
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 92.88 -6.06 50.46
LAB*LABa 92.88 -5.12 45.87
LAB*TCHa 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)
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 -0.98 4.75
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -
relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nch 0.0 0.0 -
relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

(olv3* = 1.0, 1, 0)