

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

A

a01

System: TLS00

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 0.03 0.0 0.0
LAB*LABa 0.03 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 15.21 38.02 -51.77
LAB*LABa 15.21 38.02 -51.77
LAB*TCHa 25.01 64.24 306.29
relative CIELAB lab*
lab*lab 0.159 0.296 -0.402
lab*tch 0.25 0.5 0.851
lab*nch 0.5 0.5 0.851
relative Natural Colour (NC)
lab*lrj 0.159 0.127 -0.483
lab*tce 0.25 0.5 0.791
lab*nce 0.5 0.5 b16r

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 30.39 76.04 -103.55
LAB*LABa 30.39 76.04 -103.55
LAB*TCHa 50.0 128.48 306.29
relative CIELAB lab*
lab*lab 0.318 0.592 -0.805
lab*tch 0.5 1.0 0.851
lab*nch 0.0 1.0 0.851
relative Natural Colour (NC)
lab*lrj 0.318 0.254 -0.966
lab*tce 0.5 1.0 0.791
lab*nce 0.0 1.0 b16r

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 41.82 -41.36 39.94
LAB*LABa 41.82 -41.36 39.94
LAB*TCHa 25.01 57.51 136.01
relative CIELAB lab*
lab*lab 0.438 -0.359 0.347
lab*tch 0.25 0.5 0.378
lab*nch 0.5 0.5 0.378
relative Natural Colour (NC)
lab*lrj 0.438 -0.376 0.328
lab*tce 0.25 0.5 0.386
lab*nce 0.5 0.5 j54g

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 43.45 -23.07 -6.77
LAB*LABa 43.45 -23.07 -6.77
LAB*TCHa 25.01 24.06 196.37
relative CIELAB lab*
lab*lab 0.455 -0.479 -0.14
lab*tch 0.25 0.5 0.545
lab*nch 0.5 0.5 0.545
relative Natural Colour (NC)
lab*lrj 0.455 -0.471 -0.164
lab*tce 0.25 0.5 0.554
lab*nce 0.5 0.5 g21b

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 58.63 14.94 -58.55
LAB*LABa 58.63 14.94 -58.55
LAB*TCHa 50.0 60.43 284.31
relative CIELAB lab*
lab*lab 0.614 0.247 -0.968
lab*tch 0.5 1.0 0.79
lab*nch 0.0 1.0 0.79
relative Natural Colour (NC)
lab*lrj 0.614 -0.071 -0.996
lab*tce 0.5 1.0 0.738
lab*nce 0.0 1.0 g95b

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 83.62 -82.73 79.88
LAB*LABa 83.62 -82.73 79.88
LAB*TCHa 50.0 115.01 136.01
relative CIELAB lab*
lab*lab 0.876 -0.718 0.694
lab*tch 0.5 1.0 0.378
lab*nch 0.0 1.0 0.378
relative Natural Colour (NC)
lab*lrj 0.876 -0.753 0.656
lab*tce 0.5 1.0 0.386
lab*nce 0.0 1.0 j54g

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 85.25 -64.44 33.16
LAB*LABa 85.25 -64.44 33.16
LAB*TCHa 50.0 72.48 152.77
relative CIELAB lab*
lab*lab 0.893 -0.888 0.457
lab*tch 0.5 1.0 0.424
lab*nch 0.0 1.0 0.424
relative Natural Colour (NC)
lab*lrj 0.893 -0.931 0.363
lab*tce 0.5 1.0 0.441
lab*nce 0.0 1.0 j76g

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 86.87 -46.15 -13.55
LAB*LABa 86.87 -46.15 -13.55
LAB*TCHa 50.0 48.11 196.37
relative CIELAB lab*
lab*lab 0.911 -0.958 -0.281
lab*tch 0.5 1.0 0.545
lab*nch 0.0 1.0 0.545
relative Natural Colour (NC)
lab*lrj 0.911 -0.942 -0.33
lab*tce 0.5 1.0 0.554
lab*nce 0.0 1.0 g21b

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

A

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi4* 1.0 0.5 0.5 0.5
cmyn4* 0.0 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 25.26 38.45 32.27
LAB*LABa 25.26 38.45 32.27
LAB*TCHa 25.01 50.2 40.0
relative CIELAB lab*
lab*lab 0.265 0.383 0.321
lab*tch 0.25 0.5 0.111
lab*nch 0.5 0.5 0.111
relative Natural Colour (NC)
lab*lrj 0.265 0.487 0.112
lab*tce 0.25 0.5 0.036
lab*nce 0.5 0.5 r14i

b01

System: TLS00

B

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olvi4* 1.0 0.5 1.0 0.5
cmyn4* 0.0 0.5 0.0 0.5
standard and adapted CIELAB
LAB*LAB 28.66 47.17 -29.19
LAB*LABa 28.66 47.17 -29.19
LAB*TCHa 25.01 55.47 328.23
relative CIELAB lab*
lab*lab 0.3 0.425 -0.262
lab*tch 0.25 0.5 0.912
lab*nch 0.5 0.5 0.912
relative Natural Colour (NC)
lab*lrj 0.3 0.281 -0.412
lab*tce 0.25 0.5 0.845
lab*nce 0.5 0.5 b38r

C

relative Inform. Technology (IT)
olvi3* 0.5 0.0 1.0 (1.0)
cmyn3* 0.5 1.0 0.0 (0.0)
olvi4* 0.5 0.0 1.0 1.0
cmyn4* 0.5 1.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 43.85 85.19 -80.97
LAB*LABa 43.85 85.19 -80.97
LAB*TCHa 50.0 117.54 316.45
relative CIELAB lab*
lab*lab 0.459 0.725 -0.688
lab*tch 0.5 1.0 0.879
lab*nch 0.0 1.0 0.879
relative Natural Colour (NC)
lab*lrj 0.459 0.402 -0.914
lab*tce 0.5 1.0 0.816
lab*nce 0.0 1.0 b26r

(olv3* = 0.5, 0, 1)

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.0 (1.0)
cmyn3* 0.5 0.5 1.0 (0.0)
olvi4* 1.0 1.0 0.5 0.5
cmyn4* 0.0 0.0 0.5 0.5
standard and adapted CIELAB
LAB*LAB 46.34 -10.34 45.37
LAB*LABa 46.34 -10.34 45.37
LAB*TCHa 25.01 46.53 102.85
relative CIELAB lab*
lab*lab 0.486 -0.11 0.487
lab*tch 0.25 0.5 0.286
lab*nch 0.5 0.5 0.286
relative Natural Colour (NC)
lab*lrj 0.486 -0.085 0.492
lab*tce 0.25 0.5 0.278
lab*nce 0.5 0.5 j11g

b02

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 47.72 0.0 0.0
LAB*LABa 47.72 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)
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 62.9 38.02 -51.77
LAB*LABa 62.9 38.02 -51.77
LAB*TCHa 75.0 64.24 306.29
relative CIELAB lab*
lab*lab 0.659 0.296 -0.402
lab*tch 0.75 0.5 0.851
lab*nch 0.0 0.5 0.851
relative Natural Colour (NC)
lab*lrj 0.659 0.127 -0.483
lab*tce 0.75 0.5 0.791
lab*nce 0.0 0.5 b16r

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.0 (1.0)
cmyn3* 0.5 0.0 1.0 (0.0)
olvi4* 0.5 1.0 0.0 1.0
cmyn4* 0.5 0.0 1.0 0.0
standard and adapted CIELAB
LAB*LAB 88.14 -51.71 85.31
LAB*LABa 88.14 -51.71 85.31
LAB*TCHa 50.0 99.76 121.23
relative CIELAB lab*
lab*lab 0.924 -0.517 0.855
lab*tch 0.5 1.0 0.337
lab*nch 0.0 1.0 0.337
relative Natural Colour (NC)
lab*lrj 0.924 -0.523 0.852
lab*tce 0.5 1.0 0.338
lab*nce 0.0 1.0 j35g

b03

(olv3* = 0.5, 1, 0)

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 89.51 -41.36 39.94
LAB*LABa 89.51 -41.36 39.94
LAB*TCHa 75.0 57.51 136.01
relative CIELAB lab*
lab*lab 0.938 -0.359 0.347
lab*tch 0.75 0.5 0.378
lab*nch 0.0 0.5 0.378
relative Natural Colour (NC)
lab*lrj 0.938 -0.376 0.328
lab*tce 0.75 0.5 0.386
lab*nce 0.0 0.5 j54g

relative Inform. Technology (IT)
olvi3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olvi4* 0.5 1.0 1.0 1.0
cmyn4* 0.5 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 91.14 -23.07 -6.77
LAB*LABa 91.14 -23.07 -6.77
LAB*TCHa 75.0 24.06 196.37
relative CIELAB lab*
lab*lab 0.955 -0.479 -0.14
lab*tch 0.75 0.5 0.545
lab*nch 0.0 0.5 0.545
relative Natural Colour (NC)
lab*lrj 0.955 -0.471 -0.164
lab*tce 0.75 0.5 0.554
lab*nce 0.0 0.5 g21b

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

A

c01

System: TLS00

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 50.5 76.9 64.54
LAB*LABa 50.5 76.9 64.54
LAB*TCHa 50.0 100.4 40.0

relative CIELAB lab*
lab*lab 0.529 0.766 0.643
lab*tch 0.5 1.0 0.111
lab*nch 0.0 1.0 0.111

relative Natural Colour (NC)
lab*lrj 0.529 0.975 0.223
lab*tce 0.5 1.0 0.036
lab*nce 0.0 1.0 r14j

B

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 53.9 85.62 3.06
LAB*LABa 53.9 85.62 3.06
LAB*TCHa 50.0 85.67 2.05

relative CIELAB lab*
lab*lab 0.565 0.999 0.036
lab*tch 0.5 1.0 0.006
lab*nch 0.0 1.0 0.006

relative Natural Colour (NC)
lab*lrj 0.565 0.901 -0.432
lab*tce 0.5 1.0 0.929
lab*nce 0.0 1.0 b71r

C

(olv3* = 1.0, 0, 1)

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 57.3 94.33 -58.4
LAB*LABa 57.3 94.33 -58.4
LAB*TCHa 50.0 110.95 328.23

relative CIELAB lab*
lab*lab 0.601 0.85 -0.525
lab*tch 0.5 1.0 0.912
lab*nch 0.0 1.0 0.912

relative Natural Colour (NC)
lab*lrj 0.601 0.562 -0.826
lab*tce 0.5 1.0 0.845
lab*nce 0.0 1.0 b38r

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 71.58 28.1 77.63
LAB*LABa 71.58 28.1 77.63
LAB*TCHa 50.0 82.56 70.1

relative CIELAB lab*
lab*lab 0.75 0.34 0.94
lab*tch 0.5 1.0 0.195
lab*nch 0.0 1.0 0.195

relative Natural Colour (NC)
lab*lrj 0.75 0.565 0.825
lab*tce 0.5 1.0 0.154
lab*nce 0.0 1.0 r61j

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 72.95 38.45 32.27
LAB*LABa 72.95 38.45 32.27
LAB*TCHa 75.0 50.2 40.0

relative CIELAB lab*
lab*lab 0.765 0.383 0.321
lab*tch 0.75 0.5 0.111
lab*nch 0.0 0.5 0.111

relative Natural Colour (NC)
lab*lrj 0.765 0.487 0.112
lab*tce 0.75 0.5 0.036
lab*nce 0.0 0.5 r14j

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 76.35 47.17 -29.19
LAB*LABa 76.35 47.17 -29.19
LAB*TCHa 75.0 55.47 328.23

relative CIELAB lab*
lab*lab 0.8 0.425 -0.262
lab*tch 0.75 0.5 0.912
lab*nch 0.0 0.5 0.912

relative Natural Colour (NC)
lab*lrj 0.8 0.281 -0.412
lab*tce 0.75 0.5 0.845
lab*nce 0.0 0.5 b38r

c03

(olv3* = 1.0, 1, 0)

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 92.65 -20.69 90.73
LAB*LABa 92.65 -20.69 90.73
LAB*TCHa 50.0 93.06 102.85

relative CIELAB lab*
lab*lab 0.971 -0.221 0.975
lab*tch 0.5 1.0 0.286
lab*nch 0.0 1.0 0.286

relative Natural Colour (NC)
lab*lrj 0.971 -0.172 0.985
lab*tce 0.5 1.0 0.278
lab*nce 0.0 1.0 j11g

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 94.03 -10.34 45.37
LAB*LABa 94.03 -10.34 45.37
LAB*TCHa 75.0 46.53 102.85

relative CIELAB lab*
lab*lab 0.985 -0.11 0.487
lab*tch 0.75 0.5 0.286
lab*nch 0.0 0.5 0.286

relative Natural Colour (NC)
lab*lrj 0.985 -0.085 0.492
lab*tce 0.75 0.5 0.278
lab*nce 0.0 0.5 j11g

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0

standard and adapted CIELAB
LAB*LAB 95.41 0.0 0.0
LAB*LABa 95.41 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
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 -