

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 60.51, 4.13, 10.67

LAB*LABx: 60.51, 4.13, 10.67

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

B50R'

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45

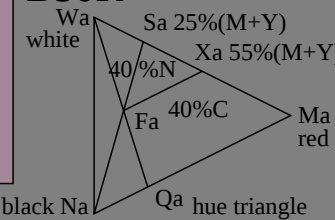
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn*ORS18 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

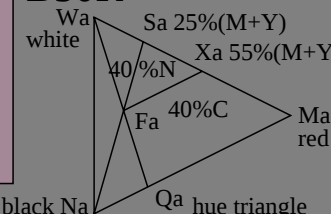
LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 53.68, 4.22, 11.65

LAB*LABx: 53.68, 4.22, 11.65

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*TLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS00 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.35 -7.61 12.48
LAB*LABa 60.35 -6.9 10.12
LAB*TCHa 52.5 12.26 124.32
CIELAB relative:
lab*lab 0.549 -0.084 0.124
lab*tch 0.525 0.15 0.345
lab*nch 0.4 0.15 0.345
Natural Colour (NC) relative:
lab*lrj 0.549 -0.098 0.113
lab*tce 0.525 0.15 0.364
lab*nce 0.4 0.15 0.45g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.51 -3.12 18.03
LAB*LABa 63.51 -2.47 15.65
LAB*TCHa 52.5 15.84 99.0
CIELAB relative:
lab*lab 0.589 -0.022 0.148
lab*tch 0.525 0.15 0.275
lab*nch 0.4 0.15 0.275
Natural Colour (NC) relative:
lab*lrj 0.589 -0.021 0.148
lab*tce 0.525 0.15 0.274
lab*nce 0.4 0.15 0.45g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 59.9 3.06 13.97
LAB*LABa 59.9 3.77 11.62
LAB*TCHa 52.5 12.22 72.01
CIELAB relative:
lab*lab 0.543 0.046 0.143
lab*tch 0.525 0.15 0.2
lab*nch 0.4 0.15 0.2
Natural Colour (NC) relative:
lab*lrj 0.543 0.069 0.133
lab*tce 0.525 0.15 0.174
lab*nce 0.4 0.15 0.69j

All data for the colour R50J'

R50J'

LAB*Fa: 59.9, 3.77, 11.62
LCH*Fa: 59.9, 12.22, 72.01

LAB*Ma: 66.27, 25.15, 77.47
LCH*Ma: 66.27, 81.45, 72.01

LAB*Sa: 88.8, 6.29, 19.37
LCH*Sa: 88.8, 20.36, 72.01

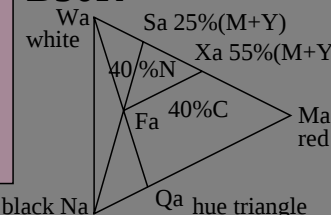
LAB*Qa: 30.12, 6.86, 21.13
LCH*Qa: 30.12, 22.21, 72.01

LAB*Xa: 79.79, 13.83, 42.61
LCH*Xa: 79.79, 44.8, 72.01

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.2
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.2
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75,
tch*Sa: 0.875, 0.25, 0.2
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0,
tch*Qa: 0.136, 0.273, 0.2
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45,
tch*Xa: 0.725, 0.55, 0.2
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.2 -12.09 6.93
LAB*LABa 57.2 -11.34 4.6
LAB*TCHa 52.5 12.24 157.94
CIELAB relative:
lab*lab 0.51 -0.138 0.056
lab*tch 0.525 0.15 0.439
lab*nch 0.4 0.15 0.439
Natural Colour (NC) relative:
lab*lrj 0.51 -0.148 0.014
lab*tce 0.525 0.15 0.485
lab*nce 0.4 0.15 0.93g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.43 -0.73 2.34
LAB*LABa 58.43 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 56.3 9.25 9.92
LAB*LABa 56.3 10.02 7.59
LAB*TCHa 52.5 12.57 37.14
CIELAB relative:
lab*lab 0.498 0.12 0.091
lab*tch 0.525 0.15 0.103
lab*nch 0.4 0.15 0.103
Natural Colour (NC) relative:
lab*lrj 0.498 0.144 0.041
lab*tce 0.525 0.15 0.044
lab*nce 0.4 0.15 0.17j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 57.98 -5.74 -4.78
LAB*LABa 57.98 -4.99 -7.12
LAB*TCHa 52.5 8.71 234.93
CIELAB relative:
lab*lab 0.519 -0.085 -0.122
lab*tch 0.525 0.15 0.653
lab*nch 0.4 0.15 0.653
Natural Colour (NC) relative:
lab*lrj 0.519 -0.075 -0.129
lab*tce 0.525 0.15 0.666
lab*nce 0.4 0.15 0.66b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.09 -0.92 -4.65
LAB*LABa 55.09 -0.13 -6.98
LAB*TCHa 52.5 6.99 268.86
CIELAB relative:
lab*lab 0.483 -0.002 -0.149
lab*tch 0.525 0.15 0.747
lab*nch 0.4 0.15 0.747
Natural Colour (NC) relative:
lab*lrj 0.483 -0.005 -0.149
lab*tce 0.525 0.15 0.743
lab*nce 0.4 0.15 0.97b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.37 11.08 2.04
LAB*LABa 56.37 11.85 -0.28
LAB*TCHa 52.5 11.85 358.58
CIELAB relative:
lab*lab 0.499 0.15 -0.003
lab*tch 0.525 0.15 0.996
lab*nch 0.4 0.15 0.996
Natural Colour (NC) relative:
lab*lrj 0.499 0.14 -0.053
lab*tce 0.525 0.15 0.941
lab*nce 0.4 0.15 0.67r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*DRSxx as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn*DRSxx setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.39 -7.42 11.94
LAB*LABa 63.39 -7.42 11.94
LAB*TCHa 52.5 14.07 121.9
CIELAB relative:
lab*lab 0.586 -0.078 0.127
lab*tch 0.525 0.15 0.339
lab*nch 0.4 0.15 0.339
Natural Colour (NC) relative:
lab*lrj 0.586 -0.092 0.118
lab*tce 0.525 0.15 0.356
lab*nce 0.4 0.15 j42g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 64.05 -3.0 12.77
LAB*LABa 64.05 -3.0 12.77
LAB*TCHa 52.5 13.12 103.25
CIELAB relative:
lab*lab 0.595 -0.033 0.146
lab*tch 0.525 0.15 0.287
lab*nch 0.4 0.15 0.287
Natural Colour (NC) relative:
lab*lrj 0.595 -0.036 0.145
lab*tce 0.525 0.15 0.289
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 61.05 3.88 10.15
LAB*LABa 61.05 3.88 10.15
LAB*TCHa 52.5 10.86 69.07
CIELAB relative:
lab*lab 0.556 0.054 0.14
lab*tch 0.525 0.15 0.192
lab*nch 0.4 0.15 0.192
Natural Colour (NC) relative:
lab*lrj 0.556 0.078 0.128
lab*tce 0.525 0.15 0.163
lab*nce 0.4 0.15 r65j

All data for the colour R50J'

R50J'

LAB*Fa: 61.05, 3.88, 10.15
LCH*Fa: 61.05, 10.86, 69.07

LAB*Ma: 72.72, 25.87, 67.65
LCH*Ma: 72.72, 72.43, 69.07

LAB*Sa: 89.74, 6.47, 16.91
LCH*Sa: 89.74, 18.11, 69.07

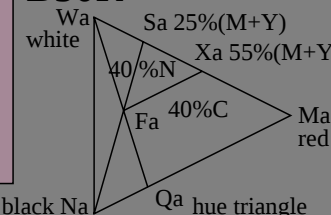
LAB*Qa: 32.93, 7.06, 18.45
LCH*Qa: 32.93, 19.75, 69.07

LAB*Xa: 82.93, 14.23, 37.21
LCH*Xa: 82.93, 39.84, 69.07

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.192
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.192
ncw*Ma: 1.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.192
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.192
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.192
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 62.74 -11.85 11.12
LAB*LABa 62.74 -11.85 11.12
LAB*TCHa 52.5 16.26 136.86
CIELAB relative:
lab*lab 0.578 -0.108 0.103
lab*tch 0.525 0.15 0.38
lab*nch 0.4 0.15 0.38
Natural Colour (NC) relative:
lab*lrj 0.578 -0.125 0.081
lab*tce 0.525 0.15 0.409
lab*nce 0.4 0.15 j63g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 0.0 0.0
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 58.04 10.77 7.53
LAB*LABa 58.04 10.77 7.53
LAB*TCHa 52.5 13.14 34.95
CIELAB relative:
lab*lab 0.517 0.123 0.086
lab*tch 0.525 0.15 0.097
lab*nch 0.4 0.15 0.097
Natural Colour (NC) relative:
lab*lrj 0.517 0.146 0.033
lab*tce 0.525 0.15 0.035
lab*nce 0.4 0.15 r14j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 63.21 -6.66 -1.96
LAB*LABa 63.21 -6.66 -1.96
LAB*TCHa 52.5 6.95 196.46
CIELAB relative:
lab*lab 0.584 -0.143 -0.042
lab*tch 0.525 0.15 0.546
lab*nch 0.4 0.15 0.546
Natural Colour (NC) relative:
lab*lrj 0.584 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.9 3.7 -5.62
LAB*LABa 54.9 3.7 -5.62
LAB*TCHa 52.5 6.74 303.29
CIELAB relative:
lab*lab 0.477 0.082 -0.124
lab*tch 0.525 0.15 0.842
lab*nch 0.4 0.15 0.842
Natural Colour (NC) relative:
lab*lrj 0.477 0.063 -0.135
lab*tce 0.525 0.15 0.819
lab*nce 0.4 0.15 b27r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 58.98 13.42 -2.91
LAB*LABa 58.98 13.42 -2.91
LAB*TCHa 52.5 13.74 347.72
CIELAB relative:
lab*lab 0.529 0.147 -0.031
lab*tch 0.525 0.15 0.966
lab*nch 0.4 0.15 0.966
Natural Colour (NC) relative:
lab*lrj 0.529 0.13 -0.074
lab*tce 0.525 0.15 0.917
lab*nce 0.4 0.15 b66r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*TLS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'JG'B' (prime)
Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmY0*TLS18 setcmYcolor*
output: *no change compared to input*

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

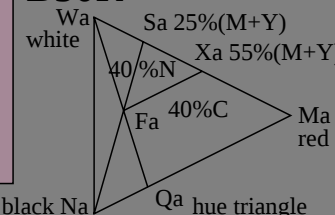
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



black Na

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 52.5, 6.5, 11.25

LAB*LABx: 52.5, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SLS00 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 -6.49 11.25
LAB*LABa 58.65 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.58 0.0 15.0
LAB*LABa 60.58 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 6.5 11.25
LAB*LABa 58.65 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 58.65, 6.5, 11.25
LCH*Fa: 58.65, 12.99, 60.0

LAB*Ma: 56.71, 43.3, 75.0
LCH*Ma: 56.71, 86.6, 60.0

LAB*Sa: 85.74, 10.82, 18.75
LCH*Sa: 85.74, 21.65, 60.0

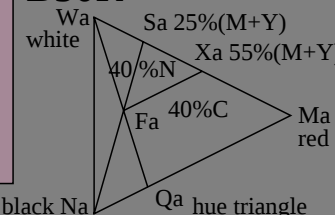
LAB*Qa: 28.56, 11.81, 20.45
LCH*Qa: 28.56, 23.62, 60.0

LAB*Xa: 74.12, 23.82, 41.25
LCH*Xa: 74.12, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LAB setcolor

LAB*LAB*: 58.65, 6.5, 11.25

LAB*LABx: 58.65, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 -12.98 -7.49
LAB*LABa 60.58 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.71 0.0 -14.99
LAB*LABa 56.71 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 12.99 -7.49
LAB*LABa 60.58 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

Transfer via: cmy0*SRS18 setcmkcolor
output: no change compared to input

Test chart ME47: Elementary colours R'JGB' (prime)
Approximation: 4 Elementary and 4 intermediate colours

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SRS18 as transfer input; individual colour calculation without hue tables

equivalent
colorimetric
colour coordinates

System:

ORS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

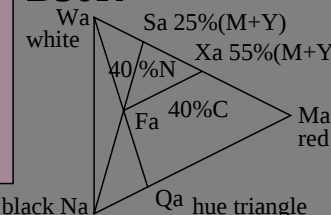
LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn0*ORS18 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

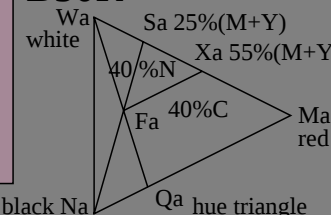
LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 55.48 -12.4 11.99
LAB*LABa 55.48 -12.4 11.99
LAB*TCHa 52.5 17.26 136.01
CIELAB relative:
lab*lab 0.581 -0.107 0.104
lab*tch 0.525 0.15 0.378
lab*nch 0.4 0.15 0.378
Natural Colour (NC) relative:
lab*lrj 0.581 -0.124 0.083
lab*tce 0.525 0.15 0.406
lab*nce 0.4 0.15 j62g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 50.1 0.0 0.0
LAB*LABa 50.1 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 50.51 11.54 9.68
LAB*LABa 50.51 11.54 9.68
LAB*TCHa 52.5 15.06 40.0
CIELAB relative:
lab*lab 0.529 0.115 0.096
lab*tch 0.525 0.15 0.111
lab*nch 0.4 0.15 0.111
Natural Colour (NC) relative:
lab*lrj 0.529 0.141 0.05
lab*tce 0.525 0.15 0.054
lab*nce 0.4 0.15 r21j

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

G50J'

B'

B50R'

black Na

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*TLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn*TLS00 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.35 -7.61 12.48
LAB*LABa 60.35 -6.9 10.12
LAB*TCHa 52.5 12.26 124.32
CIELAB relative:
lab*lab 0.549 -0.084 0.124
lab*tch 0.525 0.15 0.345
lab*nch 0.4 0.15 0.345
Natural Colour (NC) relative:
lab*lrj 0.549 -0.098 0.113
lab*tce 0.525 0.15 0.364
lab*nce 0.4 0.15 0.45g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.51 -3.12 18.03
LAB*LABa 63.51 -2.47 15.65
LAB*TCHa 52.5 15.84 99.0
CIELAB relative:
lab*lab 0.589 -0.022 0.148
lab*tch 0.525 0.15 0.275
lab*nch 0.4 0.15 0.275
Natural Colour (NC) relative:
lab*lrj 0.589 -0.021 0.148
lab*tce 0.525 0.15 0.274
lab*nce 0.4 0.15 0.45g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 59.9 3.06 13.97
LAB*LABa 59.9 3.77 11.62
LAB*TCHa 52.5 12.22 72.01
CIELAB relative:
lab*lab 0.543 0.046 0.143
lab*tch 0.525 0.15 0.2
lab*nch 0.4 0.15 0.2
Natural Colour (NC) relative:
lab*lrj 0.543 0.069 0.133
lab*tce 0.525 0.15 0.174
lab*nce 0.4 0.15 0.69j

All data for the colour R50J'

R50J'

LAB*Fa: 59.9, 3.77, 11.62
LCH*Fa: 59.9, 12.22, 72.01

LAB*Ma: 66.27, 25.15, 77.47
LCH*Ma: 66.27, 81.45, 72.01

LAB*Sa: 88.8, 6.29, 19.37
LCH*Sa: 88.8, 20.36, 72.01

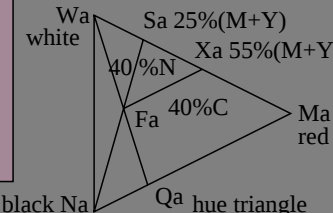
LAB*Qa: 30.12, 6.86, 21.13
LCH*Qa: 30.12, 22.21, 72.01

LAB*Xa: 79.79, 13.83, 42.61
LCH*Xa: 79.79, 44.8, 72.01

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.2
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.2
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75,
tch*Sa: 0.875, 0.25, 0.2
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0,
tch*Qa: 0.136, 0.273, 0.2
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45,
tch*Xa: 0.725, 0.55, 0.2
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.2 -12.09 6.93
LAB*LABa 57.2 -11.34 4.6
LAB*TCHa 52.5 12.24 157.94
CIELAB relative:
lab*lab 0.51 -0.138 0.056
lab*tch 0.525 0.15 0.439
lab*nch 0.4 0.15 0.439
Natural Colour (NC) relative:
lab*lrj 0.51 -0.148 0.014
lab*tce 0.525 0.15 0.485
lab*nce 0.4 0.15 0.93g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.43 -0.73 2.34
LAB*LABa 58.43 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 56.3 9.25 9.92
LAB*LABa 56.3 10.02 7.59
LAB*TCHa 52.5 12.57 37.14
CIELAB relative:
lab*lab 0.498 0.12 0.091
lab*tch 0.525 0.15 0.103
lab*nch 0.4 0.15 0.103
Natural Colour (NC) relative:
lab*lrj 0.498 0.144 0.041
lab*tce 0.525 0.15 0.044
lab*nce 0.4 0.15 0.17j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 57.98 -5.74 -4.78
LAB*LABa 57.98 -4.99 -7.12
LAB*TCHa 52.5 8.71 234.93
CIELAB relative:
lab*lab 0.519 -0.085 -0.122
lab*tch 0.525 0.15 0.653
lab*nch 0.4 0.15 0.653
Natural Colour (NC) relative:
lab*lrj 0.519 -0.075 -0.129
lab*tce 0.525 0.15 0.666
lab*nce 0.4 0.15 0.66b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.09 -0.92 -4.65
LAB*LABa 55.09 -0.13 -6.98
LAB*TCHa 52.5 6.99 268.86
CIELAB relative:
lab*lab 0.483 -0.002 -0.149
lab*tch 0.525 0.15 0.747
lab*nch 0.4 0.15 0.747
Natural Colour (NC) relative:
lab*lrj 0.483 -0.005 -0.149
lab*tce 0.525 0.15 0.743
lab*nce 0.4 0.15 0.97b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.37 11.08 2.04
LAB*LABa 56.37 11.85 -0.28
LAB*TCHa 52.5 11.85 358.58
CIELAB relative:
lab*lab 0.499 0.15 -0.003
lab*tch 0.525 0.15 0.996
lab*nch 0.4 0.15 0.996
Natural Colour (NC) relative:
lab*lrj 0.499 0.14 -0.053
lab*tce 0.525 0.15 0.941
lab*nce 0.4 0.15 0.67r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*DRSxx* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyn*DRSxx setcmkcolor*

output: *no change compared to input*

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.39 -7.42 11.94
LAB*LABa 63.39 -7.42 11.94
LAB*TCHa 52.5 14.07 121.9
CIELAB relative:
lab*lab 0.586 -0.078 0.127
lab*tch 0.525 0.15 0.339
lab*nch 0.4 0.15 0.339
Natural Colour (NC) relative:
lab*lrj 0.586 -0.092 0.118
lab*tce 0.525 0.15 0.356
lab*nce 0.4 0.15 j42g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 64.05 -3.0 12.77
LAB*LABa 64.05 -3.0 12.77
LAB*TCHa 52.5 13.12 103.25
CIELAB relative:
lab*lab 0.595 -0.033 0.146
lab*tch 0.525 0.15 0.287
lab*nch 0.4 0.15 0.287
Natural Colour (NC) relative:
lab*lrj 0.595 -0.036 0.145
lab*tce 0.525 0.15 0.289
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 61.05 3.88 10.15
LAB*LABa 61.05 3.88 10.15
LAB*TCHa 52.5 10.86 69.07
CIELAB relative:
lab*lab 0.556 0.054 0.14
lab*tch 0.525 0.15 0.192
lab*nch 0.4 0.15 0.192
Natural Colour (NC) relative:
lab*lrj 0.556 0.078 0.128
lab*tce 0.525 0.15 0.163
lab*nce 0.4 0.15 r65j

All data for the colour R50J'

R50J'

LAB*Fa: 61.05, 3.88, 10.15
LCH*Fa: 61.05, 10.86, 69.07

LAB*Ma: 72.72, 25.87, 67.65
LCH*Ma: 72.72, 72.43, 69.07

LAB*Sa: 89.74, 6.47, 16.91
LCH*Sa: 89.74, 18.11, 69.07

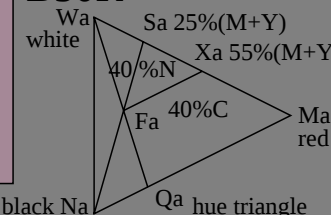
LAB*Qa: 32.93, 7.06, 18.45
LCH*Qa: 32.93, 19.75, 69.07

LAB*Xa: 82.93, 14.23, 37.21
LCH*Xa: 82.93, 39.84, 69.07

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.192
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.192
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.192
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.192
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.192
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 62.74 -11.85 11.12
LAB*LABa 62.74 -11.85 11.12
LAB*TCHa 52.5 16.26 136.86
CIELAB relative:
lab*lab 0.578 -0.108 0.103
lab*tch 0.525 0.15 0.38
lab*nch 0.4 0.15 0.38
Natural Colour (NC) relative:
lab*lrj 0.578 -0.125 0.081
lab*tce 0.525 0.15 0.409
lab*nce 0.4 0.15 j63g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 0.0 0.0
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 58.04 10.77 7.53
LAB*LABa 58.04 10.77 7.53
LAB*TCHa 52.5 13.14 34.95
CIELAB relative:
lab*lab 0.517 0.123 0.086
lab*tch 0.525 0.15 0.097
lab*nch 0.4 0.15 0.097
Natural Colour (NC) relative:
lab*lrj 0.517 0.146 0.033
lab*tce 0.525 0.15 0.035
lab*nce 0.4 0.15 r14j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 63.21 -6.66 -1.96
LAB*LABa 63.21 -6.66 -1.96
LAB*TCHa 52.5 6.95 196.46
CIELAB relative:
lab*lab 0.584 -0.143 -0.042
lab*tch 0.525 0.15 0.546
lab*nch 0.4 0.15 0.546
Natural Colour (NC) relative:
lab*lrj 0.584 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.9 3.7 -5.62
LAB*LABa 54.9 3.7 -5.62
LAB*TCHa 52.5 6.74 303.29
CIELAB relative:
lab*lab 0.477 0.082 -0.124
lab*tch 0.525 0.15 0.842
lab*nch 0.4 0.15 0.842
Natural Colour (NC) relative:
lab*lrj 0.477 0.063 -0.135
lab*tce 0.525 0.15 0.819
lab*nce 0.4 0.15 b27r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 58.98 13.42 -2.91
LAB*LABa 58.98 13.42 -2.91
LAB*TCHa 52.5 13.74 347.72
CIELAB relative:
lab*lab 0.529 0.147 -0.031
lab*tch 0.525 0.15 0.966
lab*nch 0.4 0.15 0.966
Natural Colour (NC) relative:
lab*lrj 0.529 0.13 -0.074
lab*tce 0.525 0.15 0.917
lab*nce 0.4 0.15 b66r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*TLS18* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmY0*TLS18 setcmYcolor*

output: *no change compared to input*

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

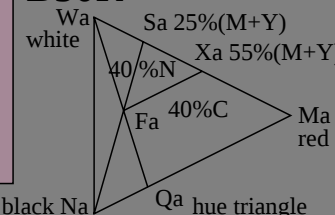
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75,
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0,
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45,
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



black Na

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LCH setcolor

LAB*LCH*: 52.5, 12.99, 60.0

LAB*LABx: 52.5, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SLS00 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 -6.49 11.25
LAB*LABa 58.65 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.58 0.0 15.0
LAB*LABa 60.58 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 6.5 11.25
LAB*LABa 58.65 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 58.65, 6.5, 11.25
LCH*Fa: 58.65, 12.99, 60.0

LAB*Ma: 56.71, 43.3, 75.0
LCH*Ma: 56.71, 86.6, 60.0

LAB*Sa: 85.74, 10.82, 18.75
LCH*Sa: 85.74, 21.65, 60.0

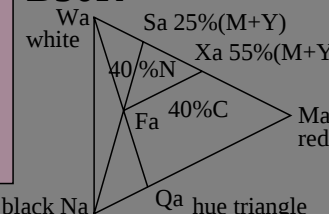
LAB*Qa: 28.56, 11.81, 20.45
LCH*Qa: 28.56, 23.62, 60.0

LAB*Xa: 74.12, 23.82, 41.25
LCH*Xa: 74.12, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: LAB*LCH setcolor

LAB*LCH*: 58.65, 12.99, 60.0

LAB*LABx: 58.65, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 -12.98 -7.49
LAB*LABa 60.58 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.71 0.0 -14.99
LAB*LABa 56.71 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 12.99 -7.49
LAB*LABa 60.58 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

Transfer via: cmy0*SRS18 setcmkcolor
output: no change compared to input

Test chart ME47: Elementary colours RRGB' (prime)
Approximation: 4 Elementary and 4 intermediate colours

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SRS18 as transfer input; individual colour calculation without hue tables

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

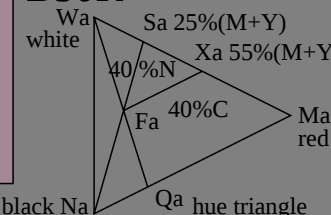
LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.68 7.46
LAB*LABa 57.77 -9.42 5.24
LAB*TCHa 52.5 10.79 150.91
CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*tch 0.525 0.15 0.419
lab*nch 0.4 0.15 0.419
Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*tce 0.525 0.15 0.46
lab*nce 0.4 0.15 j83g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.65 -0.27 2.28
LAB*LABa 58.65 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 57.33 9.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*TCHa 52.5 12.39 37.69
CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*tch 0.525 0.15 0.105
lab*nch 0.4 0.15 0.105
Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*tce 0.525 0.15 0.046
lab*nce 0.4 0.15 r18j

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

G50J'

B'

B50R'

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn0*ORS18 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

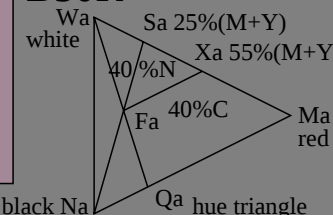
LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 55.48 -12.4 11.99
LAB*LABa 55.48 -12.4 11.99
LAB*TCHa 52.5 17.26 136.01
CIELAB relative:
lab*lab 0.581 -0.107 0.104
lab*tch 0.525 0.15 0.378
lab*nch 0.4 0.15 0.378
Natural Colour (NC) relative:
lab*lrj 0.581 -0.124 0.083
lab*tce 0.525 0.15 0.406
lab*nce 0.4 0.15 j62g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 50.1 0.0 0.0
LAB*LABa 50.1 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 50.51 11.54 9.68
LAB*LABa 50.51 11.54 9.68
LAB*TCHa 52.5 15.06 40.0
CIELAB relative:
lab*lab 0.529 0.115 0.096
lab*tch 0.525 0.15 0.111
lab*nch 0.4 0.15 0.111
Natural Colour (NC) relative:
lab*lrj 0.529 0.141 0.05
lab*tce 0.525 0.15 0.054
lab*nce 0.4 0.15 r21j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*TLS00* as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmv0*TLS00 setcmkcolor*

output: *no change compared to input*

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.35 -7.61 12.48
LAB*LABa 60.35 -6.9 10.12
LAB*TCHa 52.5 12.26 124.32
CIELAB relative:
lab*lab 0.549 -0.084 0.124
lab*tch 0.525 0.15 0.345
lab*nch 0.4 0.15 0.345
Natural Colour (NC) relative:
lab*lrj 0.549 -0.098 0.113
lab*tce 0.525 0.15 0.364
lab*nce 0.4 0.15 0.45g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.51 -3.12 18.03
LAB*LABa 63.51 -2.47 15.65
LAB*TCHa 52.5 15.84 99.0
CIELAB relative:
lab*lab 0.589 -0.022 0.148
lab*tch 0.525 0.15 0.275
lab*nch 0.4 0.15 0.275
Natural Colour (NC) relative:
lab*lrj 0.589 -0.021 0.148
lab*tce 0.525 0.15 0.274
lab*nce 0.4 0.15 0.45g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 59.9 3.06 13.97
LAB*LABa 59.9 3.77 11.62
LAB*TCHa 52.5 12.22 72.01
CIELAB relative:
lab*lab 0.543 0.046 0.143
lab*tch 0.525 0.15 0.2
lab*nch 0.4 0.15 0.2
Natural Colour (NC) relative:
lab*lrj 0.543 0.069 0.133
lab*tce 0.525 0.15 0.174
lab*nce 0.4 0.15 0.69j

All data for the colour R50J'

R50J'

LAB*Fa: 59.9, 3.77, 11.62
LCH*Fa: 59.9, 12.22, 72.01

LAB*Ma: 66.27, 25.15, 77.47
LCH*Ma: 66.27, 81.45, 72.01

LAB*Sa: 88.8, 6.29, 19.37
LCH*Sa: 88.8, 20.36, 72.01

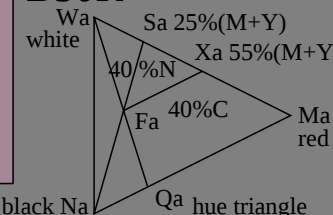
LAB*Qa: 30.12, 6.86, 21.13
LCH*Qa: 30.12, 22.21, 72.01

LAB*Xa: 79.79, 13.83, 42.61
LCH*Xa: 79.79, 44.8, 72.01

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.2
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.2
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75,
tch*Sa: 0.875, 0.25, 0.2
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0,
tch*Qa: 0.136, 0.273, 0.2
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45,
tch*Xa: 0.725, 0.55, 0.2
ncw*Xa: 0.0, 0.55, 0.45

B50R'



PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nch setcolor

lab*nch*: 0.4, 0.15, 0.2

LAB*LABx: 59.9, 3.77, 11.62

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 57.98 -5.74 -4.78
LAB*LABa 57.98 -4.99 -7.12
LAB*TCHa 52.5 8.71 234.93
CIELAB relative:
lab*lab 0.519 -0.085 -0.122
lab*tch 0.525 0.15 0.653
lab*nch 0.4 0.15 0.653
Natural Colour (NC) relative:
lab*lrj 0.519 -0.075 -0.129
lab*tce 0.525 0.15 0.666
lab*nce 0.4 0.15 0.66b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.09 -0.92 -4.65
LAB*LABa 55.09 -0.13 -6.98
LAB*TCHa 52.5 6.99 268.86
CIELAB relative:
lab*lab 0.483 -0.002 -0.149
lab*tch 0.525 0.15 0.747
lab*nch 0.4 0.15 0.747
Natural Colour (NC) relative:
lab*lrj 0.483 -0.005 -0.149
lab*tce 0.525 0.15 0.743
lab*nce 0.4 0.15 0.74b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.37 11.08 2.04
LAB*LABa 56.37 11.85 -0.28
LAB*TCHa 52.5 11.85 358.58
CIELAB relative:
lab*lab 0.499 0.15 -0.003
lab*tch 0.525 0.15 0.996
lab*nch 0.4 0.15 0.996
Natural Colour (NC) relative:
lab*lrj 0.499 0.14 -0.053
lab*tce 0.525 0.15 0.941
lab*nce 0.4 0.15 0.76r

black Na

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*DRSxx as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*DRSxx setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.39 -7.42 11.94
LAB*LABa 63.39 -7.42 11.94
LAB*TCHa 52.5 14.07 121.9
CIELAB relative:
lab*lab 0.586 -0.078 0.127
lab*tch 0.525 0.15 0.339
lab*nch 0.4 0.15 0.339
Natural Colour (NC) relative:
lab*lrj 0.586 -0.092 0.118
lab*tce 0.525 0.15 0.356
lab*nce 0.4 0.15 j42g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 64.05 -3.0 12.77
LAB*LABa 64.05 -3.0 12.77
LAB*TCHa 52.5 13.12 103.25
CIELAB relative:
lab*lab 0.595 -0.033 0.146
lab*tch 0.525 0.15 0.287
lab*nch 0.4 0.15 0.287
Natural Colour (NC) relative:
lab*lrj 0.595 -0.036 0.145
lab*tce 0.525 0.15 0.289
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 61.05 3.88 10.15
LAB*LABa 61.05 3.88 10.15
LAB*TCHa 52.5 10.86 69.07
CIELAB relative:
lab*lab 0.556 0.054 0.14
lab*tch 0.525 0.15 0.192
lab*nch 0.4 0.15 0.192
Natural Colour (NC) relative:
lab*lrj 0.556 0.078 0.128
lab*tce 0.525 0.15 0.163
lab*nce 0.4 0.15 r65j

All data for the colour R50J'

R50J'

LAB*Fa: 61.05, 3.88, 10.15
LCH*Fa: 61.05, 10.86, 69.07

LAB*Ma: 72.72, 25.87, 67.65
LCH*Ma: 72.72, 72.43, 69.07

LAB*Sa: 89.74, 6.47, 16.91
LCH*Sa: 89.74, 18.11, 69.07

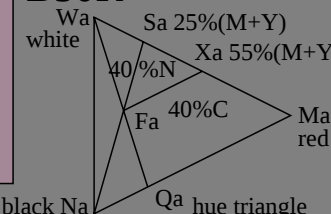
LAB*Qa: 32.93, 7.06, 18.45
LCH*Qa: 32.93, 19.75, 69.07

LAB*Xa: 82.93, 14.23, 37.21
LCH*Xa: 82.93, 39.84, 69.07

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.192
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.192
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.192
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.192
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.192
ncw*Xa: 0.0, 0.55, 0.45

B50R'



PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nch setcolor

lab*nch*: 0.4, 0.15, 0.192

LAB*LABx: 61.05, 3.88, 10.15

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 63.21 -6.66 -1.96
LAB*LABa 63.21 -6.66 -1.96
LAB*TCHa 52.5 6.95 196.46
CIELAB relative:
lab*lab 0.584 -0.143 -0.042
lab*tch 0.525 0.15 0.546
lab*nch 0.4 0.15 0.546
Natural Colour (NC) relative:
lab*lrj 0.584 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.9 3.7 -5.62
LAB*LABa 54.9 3.7 -5.62
LAB*TCHa 52.5 6.74 303.29
CIELAB relative:
lab*lab 0.477 0.082 -0.124
lab*tch 0.525 0.15 0.842
lab*nch 0.4 0.15 0.842
Natural Colour (NC) relative:
lab*lrj 0.477 0.063 -0.135
lab*tce 0.525 0.15 0.819
lab*nce 0.4 0.15 b27r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 58.98 13.42 -2.91
LAB*LABa 58.98 13.42 -2.91
LAB*TCHa 52.5 13.74 347.72
CIELAB relative:
lab*lab 0.529 0.147 -0.031
lab*tch 0.525 0.15 0.966
lab*nch 0.4 0.15 0.966
Natural Colour (NC) relative:
lab*lrj 0.529 0.13 -0.074
lab*tce 0.525 0.15 0.917
lab*nce 0.4 0.15 b66r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*TLS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS18 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

SLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 -6.49 11.25
LAB*LABa 52.5 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 55.0 0.0 15.0
LAB*LABa 55.0 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 52.5 6.5 11.25
LAB*LABa 52.5 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 52.5, 6.5, 11.25
LCH*Fa: 52.5, 12.99, 60.0

LAB*Ma: 50.0, 43.3, 75.0
LCH*Ma: 50.0, 86.6, 60.0

LAB*Sa: 87.5, 10.82, 18.75
LCH*Sa: 87.5, 21.65, 60.0

LAB*Qa: 13.64, 11.81, 20.45
LCH*Qa: 13.64, 23.62, 60.0

LAB*Xa: 72.5, 23.82, 41.25
LCH*Xa: 72.5, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45

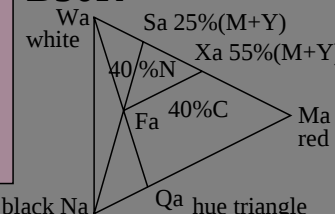
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0

olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75

olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0

olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



black Na

G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 50.0 -12.98 7.5
LAB*LABa 50.0 -12.98 7.5
LAB*TCHa 52.5 15.0 150.0
CIELAB relative:
lab*lab 0.5 -0.129 0.075
lab*tch 0.525 0.15 0.417
lab*nch 0.4 0.15 0.417
Natural Colour (NC) relative:
lab*lrj 0.5 -0.143 0.041
lab*tce 0.525 0.15 0.456
lab*nce 0.4 0.15 j82g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 52.5 0.0 0.0
LAB*LABa 52.5 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 50.0 12.99 7.5
LAB*LABa 50.0 12.99 7.5
LAB*TCHa 52.5 15.0 30.0
CIELAB relative:
lab*lab 0.5 0.13 0.075
lab*tch 0.525 0.15 0.083
lab*nch 0.4 0.15 0.083
Natural Colour (NC) relative:
lab*lrj 0.5 0.149 0.016
lab*tce 0.525 0.15 0.017
lab*nce 0.4 0.15 r06j

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 -12.98 -7.49
LAB*LABa 55.0 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 50.0 0.0 -14.99
LAB*LABa 50.0 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.0 12.99 -7.49
LAB*LABa 55.0 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

G50J'

B'

B50R'

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SLS00 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn0*SLS00 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 -6.49 11.25
LAB*LABa 58.65 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.58 0.0 15.0
LAB*LABa 60.58 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 6.5 11.25
LAB*LABa 58.65 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 58.65, 6.5, 11.25
LCH*Fa: 58.65, 12.99, 60.0

LAB*Ma: 56.71, 43.3, 75.0
LCH*Ma: 56.71, 86.6, 60.0

LAB*Sa: 85.74, 10.82, 18.75
LCH*Sa: 85.74, 21.65, 60.0

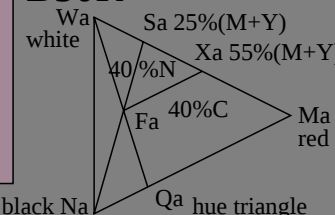
LAB*Qa: 28.56, 11.81, 20.45
LCH*Qa: 28.56, 23.62, 60.0

LAB*Xa: 74.12, 23.82, 41.25
LCH*Xa: 74.12, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nch setcolor

lab*nch*: 0.4, 0.15, 0.167

LAB*LABx: 58.65, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 -12.98 -7.49
LAB*LABa 60.58 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.71 0.0 -14.99
LAB*LABa 56.71 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 12.99 -7.49
LAB*LABa 60.58 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

Transfer via: cmy0*SRS18 setcmkcolor
output: no change compared to input

Test chart ME47: Elementary colours R'JGB' (prime)
Approximation: 4 Elementary and 4 intermediate colours

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SRS18 as transfer input; individual colour calculation without hue tables

equivalent
colorimetric
colour coordinates

System:

ORS18 J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.73 -5.8 11.92
LAB*LABa 60.73 -5.47 9.5
LAB*TCHa 52.5 10.97 119.98
CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*TCHa 52.5 13.85 96.38
CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*tch 0.525 0.15 0.268
lab*nch 0.4 0.15 0.268
Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*tce 0.525 0.15 0.265
lab*nce 0.4 0.15 j05g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*TCHa 52.5 11.44 68.82
CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*tch 0.525 0.15 0.191
lab*nch 0.4 0.15 0.191
Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*tce 0.525 0.15 0.162
lab*nce 0.4 0.15 r64j

All data for the colour R50J'

R50J'

LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82

LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82

LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82

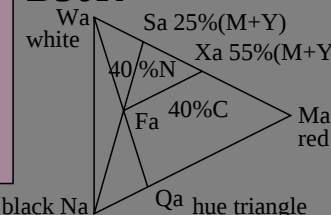
LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

LAB*Xa: 80.97, 15.16, 39.12
LCH*Xa: 80.97, 41.96, 68.82

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.191
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.191
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.191
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.191
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.191
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.162

LAB*LABx: 60.51, 4.13, 10.67

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABa 58.93 -4.54 -6.74
LAB*TCHa 52.5 8.14 236.02
CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*tch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656
Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.13
lab*tce 0.525 0.15 0.668
lab*nce 0.4 0.15 g67b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*TCHa 52.5 8.13 305.0
CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*tch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847
Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.133
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 b29r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*TCHa 52.5 11.36 353.66
CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*tch 0.525 0.15 0.982
lab*nch 0.4 0.15 0.982
Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*tce 0.525 0.15 0.93
lab*nce 0.4 0.15 b72r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'JGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*ORS18 setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS00

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.16 -7.75 12.8
LAB*LABa 56.16 -7.75 12.8
LAB*TCHa 52.5 14.97 121.23
CIELAB relative:
lab*lab 0.589 -0.077 0.128
lab*tch 0.525 0.15 0.337
lab*nch 0.4 0.15 0.337
Natural Colour (NC) relative:
lab*lrj 0.589 -0.09 0.119
lab*tce 0.525 0.15 0.353
lab*nce 0.4 0.15 j41g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 56.84 -3.1 13.61
LAB*LABa 56.84 -3.1 13.61
LAB*TCHa 52.5 13.96 102.85
CIELAB relative:
lab*lab 0.596 -0.032 0.146
lab*tch 0.525 0.15 0.286
lab*nch 0.4 0.15 0.286
Natural Colour (NC) relative:
lab*lrj 0.596 -0.034 0.146
lab*tce 0.525 0.15 0.288
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 53.68 4.22 11.65
LAB*LABa 53.68 4.22 11.65
LAB*TCHa 52.5 12.39 70.1
CIELAB relative:
lab*lab 0.563 0.051 0.141
lab*tch 0.525 0.15 0.195
lab*nch 0.4 0.15 0.195
Natural Colour (NC) relative:
lab*lrj 0.563 0.075 0.13
lab*tce 0.525 0.15 0.167
lab*nce 0.4 0.15 r66j

All data for the colour R50J'

R50J'

LAB*Fa: 53.68, 4.22, 11.65
LCH*Fa: 53.68, 12.39, 70.1

LAB*Ma: 71.58, 28.11, 77.65
LCH*Ma: 71.58, 82.58, 70.1

LAB*Sa: 89.45, 7.03, 19.41
LCH*Sa: 89.45, 20.65, 70.1

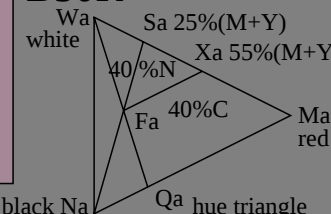
LAB*Qa: 19.53, 7.67, 21.18
LCH*Qa: 19.53, 22.52, 70.1

LAB*Xa: 82.3, 15.46, 42.71
LCH*Xa: 82.3, 45.42, 70.1

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.195
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.195
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.195
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.195
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.195
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.167

LAB*LABx: 53.68, 4.22, 11.65

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 55.97 -6.92 -2.02
LAB*LABa 55.97 -6.92 -2.02
LAB*TCHa 52.5 7.22 196.37
CIELAB relative:
lab*lab 0.587 -0.143 -0.041
lab*tch 0.525 0.15 0.545
lab*nch 0.4 0.15 0.545
Natural Colour (NC) relative:
lab*lrj 0.587 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 47.5 11.41 -15.53
LAB*LABa 47.5 11.41 -15.53
LAB*TCHa 52.5 19.28 306.29
CIELAB relative:
lab*lab 0.498 0.089 -0.12
lab*tch 0.525 0.15 0.851
lab*nch 0.4 0.15 0.851
Natural Colour (NC) relative:
lab*lrj 0.498 0.069 -0.132
lab*tce 0.525 0.15 0.826
lab*nce 0.4 0.15 b30r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 51.53 14.15 -8.75
LAB*LABa 51.53 14.15 -8.75
LAB*TCHa 52.5 16.65 328.23
CIELAB relative:
lab*lab 0.54 0.128 -0.078
lab*tch 0.525 0.15 0.912
lab*nch 0.4 0.15 0.912
Natural Colour (NC) relative:
lab*lrj 0.54 0.106 -0.106
lab*tce 0.525 0.15 0.874
lab*nce 0.4 0.15 b49r

Transfer via: cmy0*TLS00 setcmkcolor
output: no change compared to input

Test chart ME47: Elementary colours R'GB' (prime)
Approximation: 4 Elementary and 4 intermediate colours

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmy*TLS00 as transfer input; individual colour calculation without hue tables

equivalent
colorimetric
colour coordinates

System:

DRSxx

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.35 -7.61 12.48
LAB*LABa 60.35 -6.9 10.12
LAB*TCHa 52.5 12.26 124.32
CIELAB relative:
lab*lab 0.549 -0.084 0.124
lab*tch 0.525 0.15 0.345
lab*nch 0.4 0.15 0.345
Natural Colour (NC) relative:
lab*lrj 0.549 -0.098 0.113
lab*tce 0.525 0.15 0.364
lab*nce 0.4 0.15 0.45g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.51 -3.12 18.03
LAB*LABa 63.51 -2.47 15.65
LAB*TCHa 52.5 15.84 99.0
CIELAB relative:
lab*lab 0.589 -0.022 0.148
lab*tch 0.525 0.15 0.275
lab*nch 0.4 0.15 0.275
Natural Colour (NC) relative:
lab*lrj 0.589 -0.021 0.148
lab*tce 0.525 0.15 0.274
lab*nce 0.4 0.15 0.45g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 59.9 3.06 13.97
LAB*LABa 59.9 3.77 11.62
LAB*TCHa 52.5 12.22 72.01
CIELAB relative:
lab*lab 0.543 0.046 0.143
lab*tch 0.525 0.15 0.2
lab*nch 0.4 0.15 0.2
Natural Colour (NC) relative:
lab*lrj 0.543 0.069 0.133
lab*tce 0.525 0.15 0.174
lab*nce 0.4 0.15 0.69j

All data for the colour R50J'

R50J'

LAB*Fa: 59.9, 3.77, 11.62
LCH*Fa: 59.9, 12.22, 72.01

LAB*Ma: 66.27, 25.15, 77.47
LCH*Ma: 66.27, 81.45, 72.01

LAB*Sa: 88.8, 6.29, 19.37
LCH*Sa: 88.8, 20.36, 72.01

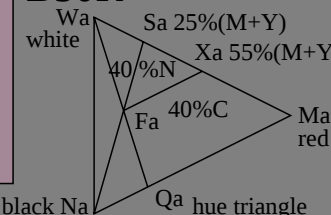
LAB*Qa: 30.12, 6.86, 21.13
LCH*Qa: 30.12, 22.21, 72.01

LAB*Xa: 79.79, 13.83, 42.61
LCH*Xa: 79.79, 44.8, 72.01

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.2
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.2
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75,
tch*Sa: 0.875, 0.25, 0.2
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0,
tch*Qa: 0.136, 0.273, 0.2
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45,
tch*Xa: 0.725, 0.55, 0.2
ncw*Xa: 0.0, 0.55, 0.45

B50R'



G'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.45 (1.0)
cmyn3* 0.55 0.4 0.55 (0.0)
olvi4* 0.75 1.0 0.75 0.6
cmyn4* 0.25 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 57.2 -12.09 6.93
LAB*LABa 57.2 -11.34 4.6
LAB*TCHa 52.5 12.24 157.94
CIELAB relative:
lab*lab 0.51 -0.138 0.056
lab*tch 0.525 0.15 0.439
lab*nch 0.4 0.15 0.439
Natural Colour (NC) relative:
lab*lrj 0.51 -0.148 0.014
lab*tce 0.525 0.15 0.485
lab*nce 0.4 0.15 0.93g

Inform. Techn. (IT) relative:
olvi3* 0.525 0.525 0.525 (1.0)
cmyn3* 0.475 0.475 0.475 (0.0)
olvi4* 1.0 1.0 1.0 0.525
cmyn4* 0.0 0.0 0.0 0.475
CIELAB absolute:
LAB*LAB 58.43 -0.73 2.34
LAB*LABa 58.43 0.0 0.0
LAB*TCHa 52.5 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.0 -
lab*nch 0.475 0.0 -
Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*tce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.45 (1.0)
cmyn3* 0.4 0.55 0.55 (0.0)
olvi4* 1.0 0.75 0.75 0.6
cmyn4* 0.0 0.25 0.25 0.4
CIELAB absolute:
LAB*LAB 56.3 9.25 9.92
LAB*LABa 56.3 10.02 7.59
LAB*TCHa 52.5 12.57 37.14
CIELAB relative:
lab*lab 0.498 0.12 0.091
lab*tch 0.525 0.15 0.103
lab*nch 0.4 0.15 0.103
Natural Colour (NC) relative:
lab*lrj 0.498 0.144 0.041
lab*tce 0.525 0.15 0.044
lab*nce 0.4 0.15 0.17j

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 57.98 -5.74 -4.78
LAB*LABa 57.98 -4.99 -7.12
LAB*TCHa 52.5 8.71 234.93
CIELAB relative:
lab*lab 0.519 -0.085 -0.122
lab*tch 0.525 0.15 0.653
lab*nch 0.4 0.15 0.653
Natural Colour (NC) relative:
lab*lrj 0.519 -0.075 -0.129
lab*tce 0.525 0.15 0.666
lab*nce 0.4 0.15 0.66b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 55.09 -0.92 -4.65
LAB*LABa 55.09 -0.13 -6.98
LAB*TCHa 52.5 6.99 268.86
CIELAB relative:
lab*lab 0.483 -0.002 -0.149
lab*tch 0.525 0.15 0.747
lab*nch 0.4 0.15 0.747
Natural Colour (NC) relative:
lab*lrj 0.483 -0.005 -0.149
lab*tce 0.525 0.15 0.743
lab*nce 0.4 0.15 0.97b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.37 11.08 2.04
LAB*LABa 56.37 11.85 -0.28
LAB*TCHa 52.5 11.85 358.58
CIELAB relative:
lab*lab 0.499 0.15 -0.003
lab*tch 0.525 0.15 0.996
lab*nch 0.4 0.15 0.996
Natural Colour (NC) relative:
lab*lrj 0.499 0.14 -0.053
lab*tce 0.525 0.15 0.941
lab*nce 0.4 0.15 0.67r

CIE-test colours 9 to 12

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*DRSxx as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours R'GB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmyn*DRSxx setcmkcolor

output: no change compared to input

equivalent
colorimetric
colour coordinates

System:

TLS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 63.39 -7.42 11.94
LAB*LABa 63.39 -7.42 11.94
LAB*TCHa 52.5 14.07 121.9
CIELAB relative:
lab*lab 0.586 -0.078 0.127
lab*tch 0.525 0.15 0.339
lab*nch 0.4 0.15 0.339
Natural Colour (NC) relative:
lab*lrj 0.586 -0.092 0.118
lab*tce 0.525 0.15 0.356
lab*nce 0.4 0.15 j42g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 64.05 -3.0 12.77
LAB*LABa 64.05 -3.0 12.77
LAB*TCHa 52.5 13.12 103.25
CIELAB relative:
lab*lab 0.595 -0.033 0.146
lab*tch 0.525 0.15 0.287
lab*nch 0.4 0.15 0.287
Natural Colour (NC) relative:
lab*lrj 0.595 -0.036 0.145
lab*tce 0.525 0.15 0.289
lab*nce 0.4 0.15 j15g

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 61.05 3.88 10.15
LAB*LABa 61.05 3.88 10.15
LAB*TCHa 52.5 10.86 69.07
CIELAB relative:
lab*lab 0.556 0.054 0.14
lab*tch 0.525 0.15 0.192
lab*nch 0.4 0.15 0.192
Natural Colour (NC) relative:
lab*lrj 0.556 0.078 0.128
lab*tce 0.525 0.15 0.163
lab*nce 0.4 0.15 r65j

All data for the colour R50J'

R50J'

LAB*Fa: 61.05, 3.88, 10.15
LCH*Fa: 61.05, 10.86, 69.07

LAB*Ma: 72.72, 25.87, 67.65
LCH*Ma: 72.72, 72.43, 69.07

LAB*Sa: 89.74, 6.47, 16.91
LCH*Sa: 89.74, 18.11, 69.07

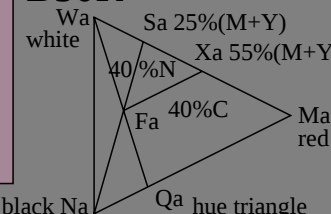
LAB*Qa: 32.93, 7.06, 18.45
LCH*Qa: 32.93, 19.75, 69.07

LAB*Xa: 82.93, 14.23, 37.21
LCH*Xa: 82.93, 39.84, 69.07

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.192
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.192
ncw*Ma: 1.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.192
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.192
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.192
ncw*Xa: 0.0, 0.55, 0.45

B50R'



PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.163

LAB*LABx: 61.05, 3.88, 10.15

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 63.21 -6.66 -1.96
LAB*LABa 63.21 -6.66 -1.96
LAB*TCHa 52.5 6.95 196.46
CIELAB relative:
lab*lab 0.584 -0.143 -0.042
lab*tch 0.525 0.15 0.546
lab*nch 0.4 0.15 0.546
Natural Colour (NC) relative:
lab*lrj 0.584 -0.131 -0.07
lab*tce 0.525 0.15 0.578
lab*nce 0.4 0.15 g31b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 54.9 3.7 -5.62
LAB*LABa 54.9 3.7 -5.62
LAB*TCHa 52.5 6.74 303.29
CIELAB relative:
lab*lab 0.477 0.082 -0.124
lab*tch 0.525 0.15 0.842
lab*nch 0.4 0.15 0.842
Natural Colour (NC) relative:
lab*lrj 0.477 0.063 -0.135
lab*tce 0.525 0.15 0.819
lab*nce 0.4 0.15 b27r

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 58.98 13.42 -2.91
LAB*LABa 58.98 13.42 -2.91
LAB*TCHa 52.5 13.74 347.72
CIELAB relative:
lab*lab 0.529 0.147 -0.031
lab*tch 0.525 0.15 0.966
lab*nch 0.4 0.15 0.966
Natural Colour (NC) relative:
lab*lrj 0.529 0.13 -0.074
lab*tce 0.525 0.15 0.917
lab*nce 0.4 0.15 b66r

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*TLS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*TLS18 setcmkcolor

output: no change compared to input

23

equivalent
colorimetric
colour coordinates

System:

SRS18

J50G'

olvi3*Fa: 0.6, 0.525, 0.45, 1.0
cmyn3*Fa: 0.4, 0.475, 0.55,
olvi4*Fa: 1.0, 0.875, 0.75, 0.6
cmyn4*Fa: 0.0, 0.125, 0.25, 0.4

J50G'

Inform. Techn. (IT) relative:
olvi3* 0.525 0.6 0.45 (1.0)
cmyn3* 0.475 0.4 0.55 (0.0)
olvi4* 0.875 1.0 0.75 0.6
cmyn4* 0.125 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 -6.49 11.25
LAB*LABa 58.65 -6.49 11.25
LAB*TCHa 52.5 12.99 120.0
CIELAB relative:
lab*lab 0.525 -0.074 0.13
lab*tch 0.525 0.15 0.333
lab*nch 0.4 0.15 0.333
Natural Colour (NC) relative:
lab*lrj 0.525 -0.086 0.122
lab*tce 0.525 0.15 0.349
lab*nce 0.4 0.15 j39g

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.45 (1.0)
cmyn3* 0.4 0.4 0.55 (0.0)
olvi4* 1.0 1.0 0.75 0.6
cmyn4* 0.0 0.0 0.25 0.4
CIELAB absolute:
LAB*LAB 60.58 0.0 15.0
LAB*LABa 60.58 0.0 15.0
LAB*TCHa 52.5 15.0 90.0
CIELAB relative:
lab*lab 0.55 0.0 0.15
lab*tch 0.525 0.15 0.25
lab*nch 0.4 0.15 0.25
Natural Colour (NC) relative:
lab*lrj 0.55 0.008 0.15
lab*tce 0.525 0.15 0.241
lab*nce 0.4 0.15 r96j

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.525 0.45 (1.0)
cmyn3* 0.4 0.475 0.55 (0.0)
olvi4* 1.0 0.875 0.75 0.6
cmyn4* 0.0 0.125 0.25 0.4
CIELAB absolute:
LAB*LAB 58.65 6.5 11.25
LAB*LABa 58.65 6.5 11.25
LAB*TCHa 52.5 12.99 60.0
CIELAB relative:
lab*lab 0.525 0.075 0.13
lab*tch 0.525 0.15 0.167
lab*nch 0.4 0.15 0.167
Natural Colour (NC) relative:
lab*lrj 0.525 0.103 0.109
lab*tce 0.525 0.15 0.129
lab*nce 0.4 0.15 r51j

All data for the colour R50J'

R50J'

LAB*Fa: 58.65, 6.5, 11.25
LCH*Fa: 58.65, 12.99, 60.0

LAB*Ma: 56.71, 43.3, 75.0
LCH*Ma: 56.71, 86.6, 60.0

LAB*Sa: 85.74, 10.82, 18.75
LCH*Sa: 85.74, 21.65, 60.0

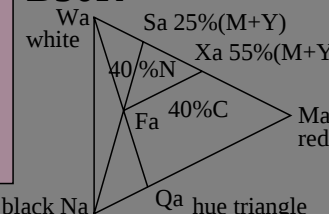
LAB*Qa: 28.56, 11.81, 20.45
LCH*Qa: 28.56, 23.62, 60.0

LAB*Xa: 74.12, 23.82, 41.25
LCH*Xa: 74.12, 47.63, 60.0

R'

olvi3*Fa: 0.6, 0.525, 0.45
tch*Fa: 0.525, 0.15, 0.167
ncw*Fa: 0.4, 0.15, 0.45
olvi3*Ma: 1.0, 0.5, 0.0
tch*Ma: 0.5, 1.0, 0.167
ncw*Ma: 0.0, 1.0, 0.0
olvi3*Sa: 1.0, 0.875, 0.75
tch*Sa: 0.875, 0.25, 0.167
ncw*Sa: 0.0, 0.25, 0.75
olvi3*Qa: 0.273, 0.136, 0.0
tch*Qa: 0.136, 0.273, 0.167
ncw*Qa: 0.727, 0.273, 0.0
olvi3*Xa: 1.0, 0.725, 0.45
tch*Xa: 0.725, 0.55, 0.167
ncw*Xa: 0.0, 0.55, 0.45

B50R'



PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nce setcolor

lab*nce: 0.4, 0.15, 0.129

LAB*LABx: 58.65, 6.5, 11.25

G50B'

Input colours:

C, V, M, O, OY, Y, YL, L

Elementary hue reference:

CIE-test colours 9 to 12

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.6 0.6 (1.0)
cmyn3* 0.55 0.4 0.4 (0.0)
olvi4* 0.75 1.0 1.0 0.6
cmyn4* 0.25 0.0 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 -12.98 -7.49
LAB*LABa 60.58 -12.98 -7.49
LAB*TCHa 52.5 15.0 210.0
CIELAB relative:
lab*lab 0.55 -0.129 -0.074
lab*tch 0.525 0.15 0.583
lab*nch 0.4 0.15 0.583
Natural Colour (NC) relative:
lab*lrj 0.55 -0.115 -0.094
lab*tce 0.525 0.15 0.609
lab*nce 0.4 0.15 g43b

B'

Inform. Techn. (IT) relative:
olvi3* 0.45 0.45 0.6 (1.0)
cmyn3* 0.55 0.55 0.4 (0.0)
olvi4* 0.75 0.75 1.0 0.6
cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 56.71 0.0 -14.99
LAB*LABa 56.71 0.0 -14.99
LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
lab*lab 0.5 0.0 -0.149
lab*tch 0.525 0.15 0.75
lab*nch 0.4 0.15 0.75
Natural Colour (NC) relative:
lab*lrj 0.5 -0.003 -0.149
lab*tce 0.525 0.15 0.746
lab*nce 0.4 0.15 g98b

B50R'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.45 0.6 (1.0)
cmyn3* 0.4 0.55 0.4 (0.0)
olvi4* 1.0 0.75 1.0 0.6
cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
LAB*LAB 60.58 12.99 -7.49
LAB*LABa 60.58 12.99 -7.49
LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
lab*lab 0.55 0.13 -0.074
lab*tch 0.525 0.15 0.917
lab*nch 0.4 0.15 0.917
Natural Colour (NC) relative:
lab*lrj 0.55 0.108 -0.103
lab*tce 0.525 0.15 0.878
lab*nce 0.4 0.15 b51r

black Na

ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates cmyn*SRS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RRGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmy0*SRS18 setcmkcolor

output: no change compared to input