

equivalent
colorimetric
colour coordinates

System:

ORS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.6
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3**Fa: 0.6, 0.555, 0.51, 1.0
cmyn3**Fa: 0.4, 0.445, 0.49, 0.6
olvi4**Fa: 1.0, 0.762, 0.727, 0.377
cmyn4**Fa: 0.0, 0.238, 0.273, 0.62

abpe3*: 0.045, 0.045, 0.481, 0.184
tq3*: isect: 0.555, 0.519, 0.816, 3.0

G'

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmymcolor

right: cmyn4* setcmymcolor

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* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 -5.8 11.92
LAB*LABx 60.51 -5.47 9.5
LAB*TCa 52.5 10.97 119.98

CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*ch 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*nce 0.525 0.15 0.349
lab*nce 0.4 0.15 0.39g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 57.77 -9.42 5.24
LAB*LABx 57.77 -9.42 5.24
LAB*TCa 52.5 10.79 150.91

CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*ch 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*nce 0.525 0.15 0.46
lab*nce 0.4 0.15 0.83g

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 0.6 (0.0)
cmyn4* 0.15 0.0 0.0 0.4

CIELAB absolute:
LAB*LAB 58.93 -4.83 -4.45
LAB*LABx 58.93 -4.54 -6.74
LAB*TCa 52.5 8.14 236.02

CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*ch 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656

Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.083
lab*nce 0.525 0.15 0.656
lab*nce 0.4 0.15 0.67b

G50J'

J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABx 63.69 -1.53 13.76
LAB*TCa 52.5 13.85 96.38

CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*ch 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*nce 0.525 0.15 0.265
lab*nce 0.4 0.15 0.50g

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*LABx 58.65 0.0 0.0
LAB*TCa 52.5 0.0 -

CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*ch 0.525 0.15 0.15
lab*nch 0.475 0.0 -

Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*nce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABx 54.0 4.66 -6.65
LAB*TCa 52.5 8.13 305.0

CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*ch 0.525 0.15 0.847
lab*nch 0.4 0.15 0.847

Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.033
lab*nce 0.525 0.15 0.823
lab*nce 0.4 0.15 0.629r

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABx 60.51 4.13 10.67
LAB*TCa 52.5 11.44 68.82

CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*ch 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*nce 0.525 0.15 0.162
lab*nce 0.4 0.15 0.64g

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4

CIELAB absolute:
LAB*LAB 55.5 9.76
LAB*LABx 57.33 9.81 7.58
LAB*TCa 52.5 12.39 37.69

CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*ch 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*nce 0.525 0.15 0.046
lab*nce 0.4 0.15 0.18g

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABx 57.36 11.29 -1.24
LAB*TCa 52.5 11.36 353.66

CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*ch 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*nce 0.525 0.15 0.93
lab*nce 0.4 0.15 0.72r

B50R'

black Na

R50J'

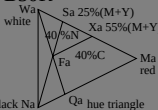
LAB*Fa: 60.51, 4.13, 10.67
LCH*Fa: 60.51, 11.44, 68.82
LAB*Ma: 69.15, 27.56, 71.13
LCH*Ma: 69.15, 76.29, 68.82
LAB*Sa: 88.85, 6.89, 17.78
LCH*Sa: 88.85, 19.07, 68.82
LAB*Qa: 31.96, 7.52, 19.4
LCH*Qa: 31.96, 20.81, 68.82

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'



All data for the colour R50J*

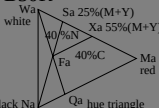
R50J*

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*



black Na

BAM registration: 20050101-ME47/10Q/Q47E00F1.PS/.TXT
application for measurement of printer or monitor systems

ME47/10Q from 1.6k, Sheet 24, Page 1

Page count: 2

BAM material: code=ha4ta

equivalent
colorimetric
colour coordinates

System:

ORS18

J50G*

olvi3*Fa: 0.6, 0.555, 0.51, 1.0
cmyn3*Fa: 0.4, 0.445, 0.49, 0.0
olvi4*Fa: 1.0, 0.925, 0.85, 0.6
cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3**Fa: 0.6, 0.555, 0.51, 1.0
cmyn3**Fa: 0.4, 0.445, 0.49, 0.0
olvi4**Fa: 1.0, 0.762, 0.727, 0.377
cmyn4**Fa: 0.0, 0.238, 0.273, 0.62

abpe3*: 0.045, 0.045, 0.481, 0.184
tq3*: isect: 0.555, 0.519, 0.816, 3.0

G*

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmyscolor

right: cmyn4* setcmyscolor

bottom: LAB*LCH setcolor

LAB*LCH*: 60.51, 11.44, 68.82
LAB*LAB*: 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

ME500-7.

Approximation of elementary and intermediate colours (8 colours); Device independent colour coordinates LAB*ORS18 as transfer input; individual colour calculation without hue tables

Test chart ME47: Elementary colours RJGB* (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: cmv0*ORS18 setcmyscolor

output: cmyn4* setcmyscolor

J50G*

J*

R50J*

Inform. Techn. (IT) relative:
olvi3* 0.555 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 -5.8 11.92
LAB*LABa 58.93 -4.7 9.5
LAB*LABb 58.93 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 0.396

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 60.51 -1.53 13.76
LAB*LABb 58.93 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 0.305

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4
CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*LABb 58.93 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 0.164

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.77 -9.42 5.24
LAB*LABa 58.93 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 0.83

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*LABb 58.65 0.0 -
CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*tch 0.525 0.15 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 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4
CIELAB absolute:
LAB*LAB 55.55 9.5 9.76
LAB*LABa 57.33 9.81 7.58
LAB*LABb 58.93 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 0.18

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 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*LABb 58.93 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 -0.083
lab*tce 0.525 0.15 0.656
lab*nce 0.4 0.15 0.676

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4
CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*LABb 58.93 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 0.096 -0.033
lab*tce 0.525 0.15 0.823
lab*nce 0.4 0.15 0.829

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.4 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.0 0.15 0.4
CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*LABb 58.93 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 0.72

G50J*

B*

B50R*

All data for the colour R50J*

equivalent
colorimetric
colour coordinates

System:

ORS18

J50G*

olvi3*Fa: 0.6, 0.555, 0.51, 1.0

cmyn3*Fa: 0.4, 0.445, 0.49, 0.0

olvi4*Fa: 1.0, 0.925, 0.85, 0.6

cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3**Fa: 0.6, 0.555, 0.51, 1.0

cmyn3**Fa: 0.4, 0.445, 0.49, 0.0

olvi4**Fa: 1.0, 0.762, 0.727, 0.377

cmyn4**Fa: 0.0, 0.238, 0.273, 0.62

abpe3*: 0.045, 0.045, 0.481, 0.184
tq3*: isect: 0.555, 0.519, 0.816, 3.0

G*

PS colour operator output:

left: olvi3* (rgb) setrgbcolor

top: cmyn3* setcmkcolor

right: cmyn4* setcmkcolor

bottom: lab*nych setcolor

lab*nych*: 0.4, 0.15, 0.191

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

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 -5.8 11.92
LAB*LABa 58.93 -5.47 9.5
LAB*LABb 58.93 10.97 119.98

CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*ach 0.525 0.15 0.333
lab*nych 0.4 0.15 0.191

Natural Colour (NC) relative:
lab*lrj 0.552 -0.086 0.122
lab*nce 0.525 0.15 0.349
lab*nce 0.4 0.15 0.396

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 57.77 -9.42 5.24
LAB*LABa 58.93 10.79 150.91

CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*ach 0.525 0.15 0.419
lab*nych 0.4 0.15 0.419

Natural Colour (NC) relative:
lab*lrj 0.514 -0.144 0.038
lab*nce 0.525 0.15 0.46
lab*nce 0.4 0.15 0.836

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 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*LABb 58.93 8.14 236.02

CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*ach 0.525 0.15 0.656
lab*nych 0.4 0.15 0.656

Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.083
lab*nce 0.525 0.15 0.656
lab*nce 0.4 0.15 0.676

G50J*

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*LABb 63.69 13.85 96.38

CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*ach 0.525 0.15 0.268
lab*nych 0.4 0.15 0.268

Natural Colour (NC) relative:
lab*lrj 0.59 -0.013 0.149
lab*nce 0.525 0.15 0.265
lab*nce 0.4 0.15 0.506

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*LABb 58.65 0.0 -

CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*ach 0.525 0.0 0.0
lab*nych 0.475 0.0 -

Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*nce 0.525 0.0 -
lab*nce 0.475 0.0 -

Inform. Techn. (IT) relative:
olvi3* 0.51 0.51 0.6 (1.0)
cmyn3* 0.49 0.49 0.4 (0.0)
olvi4* 0.85 0.85 1.0 0.6
cmyn4* 0.15 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 54.0 4.47 -4.69
LAB*LABa 54.0 4.66 -6.65
LAB*LABb 54.0 8.13 305.0

CIELAB relative:
lab*lab 0.465 0.086 -0.122
lab*ach 0.525 0.15 0.847
lab*nych 0.4 0.15 0.847

Natural Colour (NC) relative:
lab*lrj 0.465 0.067 -0.033
lab*nce 0.525 0.15 0.823
lab*nce 0.4 0.15 0.299

B*

R50J*

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*LABb 60.51 11.44 68.82

CIELAB relative:
lab*lab 0.549 0.054 0.14
lab*ach 0.525 0.15 0.191
lab*nych 0.4 0.15 0.191

Natural Colour (NC) relative:
lab*lrj 0.549 0.079 0.128
lab*nce 0.525 0.15 0.162
lab*nce 0.4 0.15 0.64

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4

CIELAB absolute:
LAB*LAB 55.55 9.76
LAB*LABa 57.33 9.81 7.58
LAB*LABb 57.33 12.39 37.69

CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*ach 0.525 0.15 0.105
lab*nych 0.4 0.15 0.105

Natural Colour (NC) relative:
lab*lrj 0.508 0.144 0.042
lab*nce 0.525 0.15 0.046
lab*nce 0.4 0.15 0.181

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*LABb 57.36 11.36 353.66

CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*ach 0.525 0.15 0.982
lab*nych 0.4 0.15 0.982

Natural Colour (NC) relative:
lab*lrj 0.508 0.136 -0.063
lab*nce 0.525 0.15 0.93
lab*nce 0.4 0.15 0.729

B50R*

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

Ma red

Qa

black Na

Qa hue triangle

Wa white

Sa 25%(M+Y)

Xa 55%(M+Y)

40%N

40%C

Fa

All data for the colour R50J'

equivalent
colorimetric
colour coordinates

System:

ORS18

J50G'

olvi3*Fa: 0.6, 0.555, 0.51, 1.0

cmyn3*Fa: 0.4, 0.445, 0.49, 0.6

olvi4*Fa: 1.0, 0.925, 0.85, 0.6

cmyn4*Fa: 0.0, 0.075, 0.15, 0.4

olvi3**Fa: 0.6, 0.555, 0.51, 1.0

cmyn3**Fa: 0.4, 0.445, 0.49, 0.0

olvi4**Fa: 1.0, 0.762, 0.727, 0.377

cmyn4**Fa: 0.0, 0.238, 0.273, 0.62

abpe3*: 0.045, 0.045, 0.481, 0.184
tq3*: isect: 0.555, 0.519, 0.816, 3.0

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

Inform. Techn. (IT) relative:
olvi3* 0.555 0.6 0.51 (1.0)
cmyn3* 0.445 0.4 0.49 (0.0)
olvi4* 0.925 1.0 0.85 0.6
cmyn4* 0.075 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 -5.8 11.92
LAB*LABa 58.93 -5.47 9.5
LAB*LABb 58.93 10.97 119.98

CIELAB relative:
lab*lab 0.552 -0.074 0.13
lab*ach 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*nce 0.525 0.15 0.349
lab*nch 0.4 0.15 0.396

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.51 (1.0)
cmyn3* 0.49 0.4 0.49 (0.0)
olvi4* 0.85 1.0 0.85 0.6
cmyn4* 0.15 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 58.93 -4.42 5.24
LAB*LABa 58.93 -9.42 5.24
LAB*LABb 58.93 10.79 150.91

CIELAB relative:
lab*lab 0.514 -0.13 0.073
lab*ach 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*nce 0.525 0.15 0.46
lab*nch 0.4 0.15 0.836

Inform. Techn. (IT) relative:
olvi3* 0.51 0.6 0.6 (1.0)
cmyn3* 0.49 0.4 0.4 (0.0)
olvi4* 0.85 1.0 1.0 0.6
cmyn4* 0.15 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*LABb 58.93 8.14 236.02

CIELAB relative:
lab*lab 0.529 -0.083 -0.123
lab*ach 0.525 0.15 0.656
lab*nch 0.4 0.15 0.656

Natural Colour (NC) relative:
lab*lrj 0.529 -0.073 -0.083
lab*nce 0.525 0.15 0.656
lab*nch 0.4 0.15 0.676

G50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.6 0.51 (1.0)
cmyn3* 0.4 0.4 0.49 (0.0)
olvi4* 1.0 1.0 0.85 0.6
cmyn4* 0.0 0.0 0.15 0.4

CIELAB absolute:
LAB*LAB 63.69 -1.91 16.38
LAB*LABa 63.69 -1.53 13.76
LAB*LABb 63.69 13.85 96.38

CIELAB relative:
lab*lab 0.59 -0.016 0.149
lab*ach 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*nce 0.525 0.15 0.265
lab*nch 0.4 0.15 0.506

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*LABb 58.65 0.0 -

CIELAB relative:
lab*lab 0.525 0.0 0.0
lab*ach 0.525 0.15 0.105
lab*nch 0.475 0.0 -

Natural Colour (NC) relative:
lab*lrj 0.525 0.0 0.0
lab*nce 0.525 0.0 -
lab*nch 0.475 0.0 -

B'

R50J'

Inform. Techn. (IT) relative:
olvi3* 0.6 0.555 0.51 (1.0)
cmyn3* 0.4 0.445 0.49 (0.0)
olvi4* 1.0 0.925 0.85 0.6
cmyn4* 0.0 0.075 0.15 0.4

CIELAB absolute:
LAB*LAB 60.51 3.82 13.07
LAB*LABa 60.51 4.13 10.67
LAB*LABb 60.51 11.44 68.82

CIELAB relative:
lab*lab 0.549 0.054 0.141
lab*ach 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*nce 0.525 0.15 0.162
lab*nch 0.4 0.15 0.64

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.51 (1.0)
cmyn3* 0.4 0.49 0.49 (0.0)
olvi4* 1.0 0.85 0.85 0.6
cmyn4* 0.0 0.15 0.15 0.4

CIELAB absolute:
LAB*LAB 58.93 9.55 9.76
LAB*LABa 58.93 9.81 7.58
LAB*LABb 58.93 12.39 37.69

CIELAB relative:
lab*lab 0.508 0.119 0.092
lab*ach 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*nce 0.525 0.15 0.046
lab*nch 0.4 0.15 0.181

Inform. Techn. (IT) relative:
olvi3* 0.6 0.51 0.6 (1.0)
cmyn3* 0.4 0.49 0.4 (0.0)
olvi4* 1.0 0.85 1.0 0.6
cmyn4* 0.0 0.15 0.0 0.4

CIELAB absolute:
LAB*LAB 57.36 11.03 0.93
LAB*LABa 57.36 11.29 -1.24
LAB*LABb 57.36 11.36 353.66

CIELAB relative:
lab*lab 0.508 0.149 -0.016
lab*ach 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*nce 0.525 0.15 0.93
lab*nch 0.4 0.15 0.72r

B50R'

black Na

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

olvi3*Y: 0.5, 0.5, 0.5

tch*Y: 0.5, 0.5, 0.5

ncw*Y: 0.5, 0.5, 0.5

olvi3*Z: 0.0, 0.0, 0.0

tch*Z: 0.0, 0.0, 0.0

ncw*Z: 0.0, 0.0, 0.0

olvi3*W: 0.0, 0.0, 0.0

tch*W: 0.0, 0.0, 0.0

ncw*W: 0.0, 0.0, 0.0

olvi3*V: 0.0, 0.0, 0.0

tch*V: 0.0, 0.0, 0.0

ncw*V: 0.0, 0.0, 0.0

olvi3*U: 0.0, 0.0, 0.0

tch*U: 0.0, 0.0, 0.0

ncw*U: 0.0, 0.0, 0.0

olvi3*T: 0.0, 0.0, 0.0

tch*T: 0.0, 0.0, 0.0

ncw*T: 0.0, 0.0, 0.0

olvi3*S: 0.0, 0.0, 0.0

tch*S: 0.0, 0.0, 0.0

ncw*S: 0.0, 0.0, 0.0

olvi3*R: 0.0, 0.0, 0.0

tch*R: 0.0, 0.0, 0.0

ncw*R: 0.0, 0.0, 0.0

olvi3*P: 0.0, 0.0, 0.0

tch*P: 0.0, 0.0, 0.0

ncw*P: 0.0, 0.0, 0.0

olvi3*O: 0.0, 0.0, 0.0

tch*O: 0.0, 0.0, 0.0

ncw*O: 0.0, 0.0, 0.0

olvi3*N: 0.0, 0.0, 0.0

tch*N: 0.0, 0.0, 0.0

ncw*N: 0.0, 0.0, 0.0

olvi3*M: 0.0, 0.0, 0.0

tch*M: 0.0, 0.0, 0.0

ncw*M: 0.0, 0.0, 0.0

olvi3*L: 0.0, 0.0, 0.0

tch*L: 0.0, 0.0, 0.0

ncw*L: 0.0, 0.0, 0.0

olvi3*K: 0.0, 0.0, 0.0

tch*K: 0.0, 0.0, 0.0

ncw*K: 0.0, 0.0, 0.0

olvi3*J: 0.0, 0.0, 0.0

tch*J: 0.0, 0.0, 0.0

ncw*J: 0.0, 0.0, 0.0

olvi3*I: 0.0, 0.0, 0.0

tch*I: 0.0, 0.0, 0.0

ncw*I: 0.0, 0.0, 0.0

olvi3*H: 0.0, 0.0, 0.0

tch*H: 0.0, 0.0, 0.0

ncw*H: 0.0, 0.0, 0.0

olvi3*G: 0.0, 0.0, 0.0

tch*G: 0.0, 0.0, 0.0

ncw*G: 0.0, 0.0, 0.0

olvi3*F: 0.0, 0.0, 0.0

tch*F: 0.0, 0.0, 0.0

ncw*F: 0.0, 0.0, 0.0

olvi3*E: 0.0, 0.0, 0.0

tch*E: 0.0, 0.0, 0.0

ncw*E: 0.0, 0.0, 0.0

olvi3*D: 0.0, 0.0, 0.0

tch*D: 0.0, 0.0, 0.0

ncw*D: 0.0, 0.0, 0.0

olvi3*C: 0.0, 0.0, 0.0

tch*C: 0.0, 0.0, 0.0

ncw*C: 0.0, 0.0, 0.0

olvi3*B: 0.0, 0.0, 0.0

tch*B: 0.0, 0.0, 0.0

ncw*B: 0.0, 0.0, 0.0

olvi3*A: 0.0, 0.0, 0.0

tch*A: 0.0, 0.0, 0.0

ncw*A: 0.0, 0.0, 0.0

olvi3*W: 0.0, 0.0, 0.0

tch*W: 0.0, 0.0, 0.0

ncw*W: 0.0, 0.0, 0.0

olvi3*V: 0.0, 0.0, 0.0

tch*V: 0.0, 0.0, 0.0

ncw*V: 0.0, 0.0, 0.0

olvi3*U: 0.0, 0.0, 0.0

tch*U: 0.0, 0.0, 0.0

ncw*U: 0.0, 0.0, 0.0

olvi3*T: 0.0, 0.0, 0.0

tch*T: 0.0, 0.0, 0.0

ncw*T: 0.0, 0.0, 0.0

olvi3*S: 0.0, 0.0, 0.0

tch*S: 0.0, 0.0, 0.0

ncw*S: 0.0, 0.0, 0.0

olvi3*R: 0.0, 0.0, 0.0

tch*R: 0.0, 0.0, 0.0

ncw*R: 0.0, 0.0, 0.0

olvi3*P: 0.0, 0.0, 0.0

tch*P: 0.0, 0.0, 0