

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

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

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

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

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

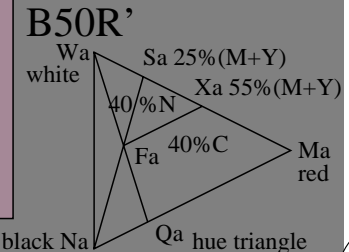
Natural Colour (NC) relative:
 lab*lrj 0.465 0.067 -0.133
 lab*tce 0.525 0.15 0.823
 lab*nce 0.4 0.15 b29r

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



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'JG'B' (prime) Transfer via: *cmyn0*ORS18 setcmkcolor*
 Approximation: 4 Elementary and 4 intermediate colours output: *no change compared to input*

BAM registration: 20050101-ME47/10L/L47E00NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 1/6, Serie: 1/4, Page: 1 Page count: 1

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'

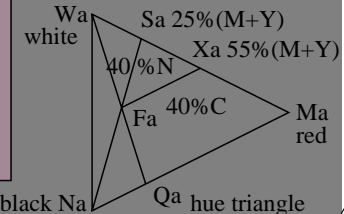
R50J'

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'



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

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* 0.45 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

G50J'

B'

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

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'JGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyo*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 j45g

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 j09g

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 r69j

All data for the colour R50J'

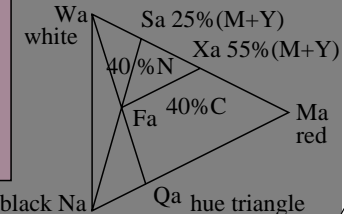
R50J'

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*LAB setcolor*

LAB*LAB*: 59.9, 3.77, 11.62

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

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 j93g

G'

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 -

G'

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 r17j

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 g66b

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 g97b

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 b76r

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'JGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyo*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

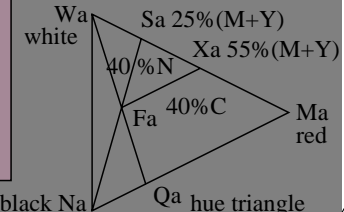
olvi3*Ma: 1.0, 0.5, 0.0
 tch*Ma: 0.5, 1.0, 0.192
 ncw*Ma: 0.0, 1.0, 0.0

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

G'

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 -

G'

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

G50B'

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

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LAB setcolor*

LAB*LAB*: 61.05, 3.88, 10.15

LAB*LABx: 61.05, 3.88, 10.15

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 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: *cmyn0*TLS18 setcmkcolor*

output: *no change compared to input*

BAM registration: 20050101-ME47/10L/L47E03NP.PS/.PDF
 application for measurement of printer or monitor systems

ME47/ Form: 4/6, Serie: 1/4, Page: 4
 Page count: 4
 BAM material: code=rh4ta

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

G'

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

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'

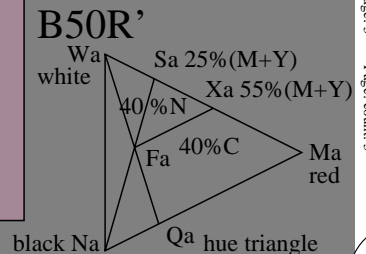
ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*SLS00* as transfer input; individual colour calculation without hue tables

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

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyo*SLS00 setcmkcolor*

output: *no change compared to input*



BAM registration: 20050101-ME47/10L/L47E04NP.PS/.PDF
 application for measurement of printer or monitor systems

ME47/ Form: 5/6, Serie: 1/4, Page: 5
 Page count: 5
 BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

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'

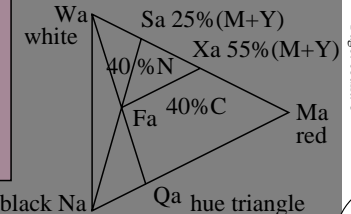
R50J'

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'



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 56.71 -12.98 7.5
 LAB*LABa 56.71 -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 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 56.71 12.99 7.5
 LAB*LABa 56.71 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 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

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

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

G50J'

B'

B50R'

CIE-test colours 9 to 12



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

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



See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E05NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 6/6, Serie: 1/4, Page: 6
 Page count: 6

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'

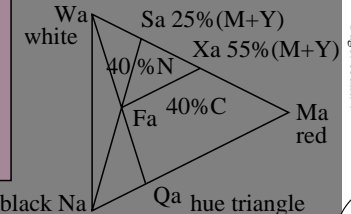
R50J'

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*LCH setcolor*

LAB*LCH*: 60.51, 11.44, 68.82
 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* 0.45 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'

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)

Transfer via: *cmyn0*ORS18 setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E00NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 Page count: 7

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'

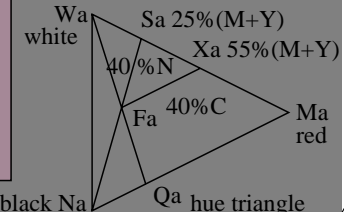
R50J'

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'



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

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* 0.45 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

G50J'

B'

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*

LAB*LCH*: 53.68, 12.39, 70.1

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

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'JGB' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyo*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 j45g

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 j09g

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 r69j

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

G'

PS colour operator output:
 left: *olvi3* (rgb) setrgbcolor*
 top: *cmyn3* setcmkcolor*
 right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*
 LAB*LCH*: 59.9, 12.22, 72.01
 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

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 j93g

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 r17j

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 g66b

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 g97b

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 b76r

G50J'

B'

B50R'

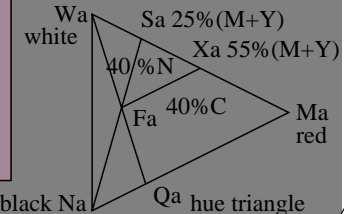
ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*DRSxx* as transfer input; individual colour calculation without hue tables

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

Transfer via: *cmyo*DRSxx setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

B50R'



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

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

J'

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 -

R50J'

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

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

G50B'

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

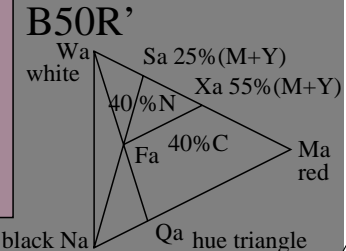
B50R'

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



PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *LAB*LCH setcolor*

*LAB*LCH*: 61.05, 10.86, 69.07*

*LAB*LABx: 61.05, 3.88, 10.15*

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 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: *cmyo*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'

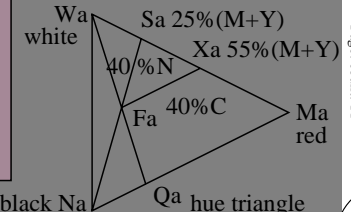
R50J'

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'



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 RJGB' (prime)
 Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmY0*SLS00 setcmykcolor*
 output: *no change compared to input*



See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E04NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 5/6, Serie: 2/4, Page: 5
 Page count: 11

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

G'

PS colour operator output:
 left: *olvi3* (rgb) setrgbcolor*
 top: *cmyn3* setcmkcolor*
 right: *cmyn4* setcmkcolor*

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 56.71 -12.98 7.5
 LAB*LABa 56.71 -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 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 56.71 12.99 7.5
 LAB*LABa 56.71 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

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

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:

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

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

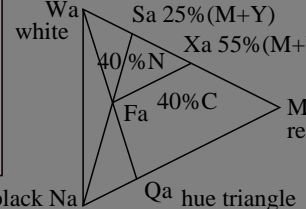
Inform. Techn. (IT) relative:
 olvi3* 0.6 0.45 0.6 (1.0)
 cmyn3* 0.4 0.55 0.4 (0.0)
 olvi4* 1.0 0.75 1.0 0.6
 cmyn4* 0.0 0.25 0.0 0.4

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

B50R'



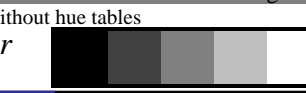
CIE-test colours 9 to 12



Test chart ME47: Elementary colours RJGB' (prime) Transfer via: *cmY0*SRS18 setcmkcolor*

Approximation: 4 Elementary and 4 intermediate colours

output: *no change compared to input*



See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de> Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E05NP.PS/.PDF
 application for measurement of printer or monitor systems

ME47/ Form: 6/6, Serie: 2/4, Page: 6
 Page count: 12
 BAM material: code=rh4ta

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'

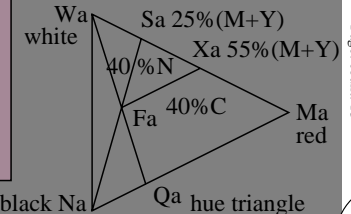
R50J'

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

J'

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 -

R50J'

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

G50B'

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

PS colour operator output:

left: *olvi3* (rgb) setrgbcolor*

top: *cmyn3* setcmkcolor*

right: *cmyn4* setcmkcolor*

bottom: *lab*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.191*

*LAB*LABx: 60.51, 4.13, 10.67*

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 dependent colour coordinates *cmyn*ORS18* 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: *cmyo*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'

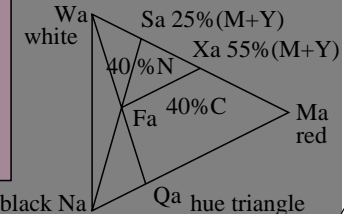
R50J'

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*nch setcolor*

*lab*nch*: 0.4, 0.15, 0.195*

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

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

B'

B50R'

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'JG'B' (prime)

Transfer via: *cmyn0*TLS00 setcmkcolor*

Approximation: 4 Elementary and 4 intermediate colours

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 j45g

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 j09g

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 r69j

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

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, 0.2*

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

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 j93g

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 r17j

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 g66b

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 g97b

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 b76r

G50J'

B'

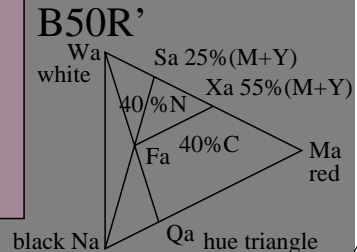
B50R'

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'JGB' (prime)

Transfer via: *cmyo*DRSxx setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours



BAM registration: 20050101-ME47/10L/L47E02NP.PS/.PDF
 application for measurement of printer or monitor systems

BAM material: code=rh4ta

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'

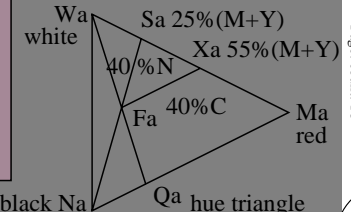
R50J'

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

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

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

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

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

B'

B50R'

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'JGB' (prime)

Transfer via: *cmyn0*TLS18 setcmkcolor*

Approximation: 4 Elementary and 4 intermediate colours

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'

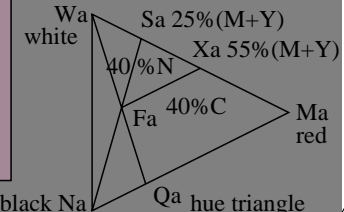
R50J'

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'



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: 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

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'

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 R'JGB' (prime)

Transfer via: *cmyo*SLS00 setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E04NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 5/6, Serie: 3/4, Page: 5
 Page count: 17

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

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

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 56.71 -12.98 7.5
 LAB*LABa 56.71 -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 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 56.71 12.99 7.5
 LAB*LABa 56.71 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 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

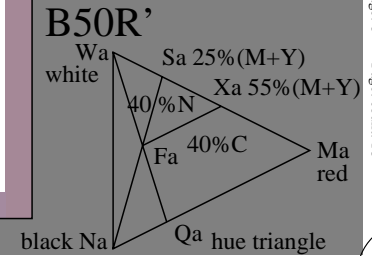
Inform. Techn. (IT) relative:
 olvi3* 0.45 0.45 0.6 (1.0)
 cmyn3* 0.55 0.55 0.4 (0.0)
 olvi4* 0.75 0.75 1.0 0.6
 cmyn4* 0.25 0.25 0.0 0.4
CIELAB absolute:
 LAB*LAB 56.71 0.0 -14.99
 LAB*LABa 56.71 0.0 -14.99
 LAB*TCHa 52.5 15.0 270.0
CIELAB relative:
 lab*lab 0.5 0.0 -0.149
 lab*tch 0.525 0.15 0.75
 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

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

G50J'

B'

B50R'



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 R'JG'B' (prime)

Transfer via: *cmY0*SRS18 setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de> Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E05NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 6/6, Serie: 3/4, Page: 6 Page count: 18

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'

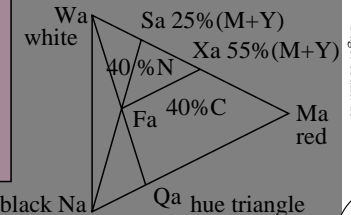
R50J'

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

J'

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 -

R50J'

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

G50B'

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

G50J'

B'

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'JG'B' (prime)
 Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyn0*ORS18 setcmykcolor*
 output: *no change compared to input*

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E00NP.PS/.PDF
 application for measurement of printer or monitor systems
 BAM material: code=rh4ta
 ME47/ Form: 1/6, Serie: 4/4, Page: 1 Page count: 19

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'

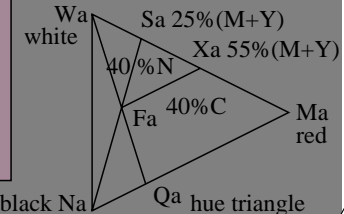
R50J'

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*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

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

G'

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 -

G'

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

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'JG'B' (prime)

Approximation: 4 Elementary and 4 intermediate colours

Transfer via: *cmyo*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 j45g

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 j09g

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 r69j

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

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, 0.174*

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

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 j93g

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 r17j

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 g66b

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 g97b

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 b76r

G50J'

B'

B50R'

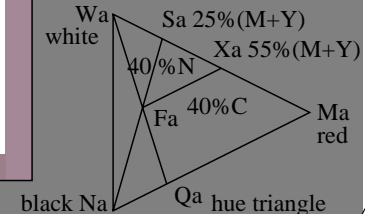
ME500-7, Approximation of elementary and intermediate colours (8 colours); Device dependent colour coordinates *cmyn*DRSxx* as transfer input; individual colour calculation without hue tables

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

Transfer via: *cmyo*DRSxx setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

B50R'



BAM registration: 20050101-ME47/10L/L47E02NP.PS/.PDF
 application for measurement of printer or monitor systems

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

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

J'

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 -

R50J'

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

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

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

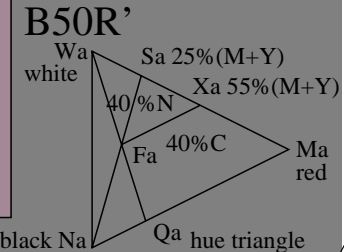
B50R'

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 R'JG'B' (prime) Transfer via: *cmyn0*TLS18 setcmkcolor*
 Approximation: 4 Elementary and 4 intermediate colours 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

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, 0.129*

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

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

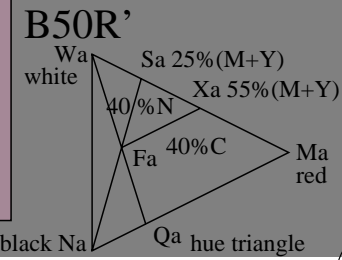
Inform. Techn. (IT) relative:
 olvi3* 0.6 0.45 0.6 (1.0)
 cmyn3* 0.4 0.55 0.4 (0.0)
 olvi4* 1.0 0.75 1.0 0.6
 cmyn4* 0.0 0.25 0.0 0.4
CIELAB absolute:
 LAB*LAB 55.0 12.99 -7.49
 LAB*LABa 55.0 12.99 -7.49
 LAB*TCHa 52.5 15.0 330.0
CIELAB relative:
 lab*lab 0.55 0.13 -0.074
 lab*tch 0.525 0.15 0.917
 lab*nch 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'

black Na



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 R'JGB' (prime)

Transfer via: *cmyo*SLS00 setcmkcolor*
 output: *no change compared to input*

Approximation: 4 Elementary and 4 intermediate colours

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de> Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E04NP.PS/.PDF
 application for measurement of printer or monitor systems

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

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, 0.129*

LAB*LABx: 58.65, 6.5, 11.25

Input colours:

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

Elementary hue reference:

CIE-test colours 9 to 12

Inform. Techn. (IT) relative:
 olvi3* 0.45 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 56.71 -12.98 7.5
 LAB*LABa 56.71 -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 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 56.71 12.99 7.5
 LAB*LABa 56.71 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 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

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

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

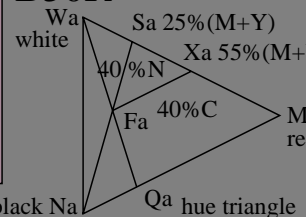
CIELAB relative:
 lab*lab 0.55 0.13 -0.074
 lab*tch 0.525 0.15 0.917
 lab*nch 0.4 0.15 0.917

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

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'



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 R'JG'B' (prime) Transfer via: *cmyo*SRS18 setcmkcolor*
 Approximation: 4 Elementary and 4 intermediate colours output: *no change compared to input*

See for similar files: <http://www.ps.bam.de/ME47/>
 Technical information: <http://www.ps.bam.de>
 Version 3.0, io=1,1

BAM registration: 20050101-ME47/10L/L47E05NP.PS/.PDF
 application for measurement of printer or monitor systems

ME47/ Form: 6/6, Serie: 4/4, Page: 6
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