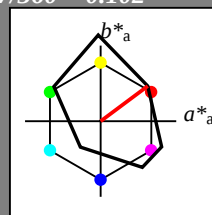


Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 33 78 37
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi3** 0.991 0.522 0.433 (1.0)
cmyn3** 0.009 0.478 0.567 (0.0)

standard and adapted CIELAB
LAB*LAB 62.27 30.47 19.3
LAB*LABa 62.27 31.16 23.24
LAB*TCHa 75.0 38.87 36.72

relative CIELAB lab*
lab*lab 0.653 0.401 0.299
lab*tch 0.75 0.5 0.102
lab*nch 0.0 0.5 0.102

relative Natural Colour (NC)
lab*lrj 0.653 0.487 0.112
lab*tce 0.75 0.5 0.036
lab*nce 0.0 0.5 r14j

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi3** 0.541 0.062 0.0 (1.0)
cmyn3** 0.459 0.938 1.0 (0.0)

standard and adapted CIELAB
LAB*LAB 19.42 29.75 20.99
LAB*LABa 19.42 31.16 23.24
LAB*TCHa 25.01 38.87 36.72

relative CIELAB lab*
lab*lab 0.154 0.401 0.299
lab*tch 0.25 0.5 0.102
lab*nch 0.5 0.5 0.102

relative Natural Colour (NC)
lab*lrj 0.154 0.487 0.112
lab*tce 0.25 0.5 0.036
lab*nce 0.5 0.5 r14j

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,00$

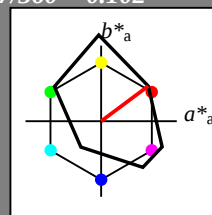
blackness n^*
chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 37/360 = 0.102$
 lab^*tch and lab^*nch

D65: hue O
LCH*Ma: 33 78 37
olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1,0$

relative Inform. Technology (IT)
olvi3* 1.0 0.5 0.5 (1.0)
cmyn3* 0.0 0.5 0.5 (0.0)
olvi3** 0.991 0.522 0.433 (1.0)
cmyn3** 0.009 0.478 0.567 (0.0)

standard and adapted CIELAB
LAB*LAB 62.27 30.47 19.3
LAB*LABa 62.27 31.16 23.24
LAB*TCHa 75.0 38.87 36.72

relative CIELAB lab*
lab*lab 0.653 0.401 0.299
lab*tch 0.75 0.5 0.102
lab*nch 0.0 0.5 0.102

relative Natural Colour (NC)
lab*lrj 0.653 0.487 0.112
lab*tce 0.75 0.5 0.036
lab*nce 0.0 0.5 r14j

relative Inform. Technology (IT)
olvi3* 0.5 0.0 0.0 (1.0)
cmyn3* 0.5 1.0 1.0 (0.0)
olvi3** 0.541 0.062 0.0 (1.0)
cmyn3** 0.459 0.938 1.0 (0.0)

standard and adapted CIELAB
LAB*LAB 19.42 29.75 20.99
LAB*LABa 19.42 31.16 23.24
LAB*TCHa 25.01 38.87 36.72

relative CIELAB lab*
lab*lab 0.154 0.401 0.299
lab*tch 0.25 0.5 0.102
lab*nch 0.5 0.5 0.102

relative Natural Colour (NC)
lab*lrj 0.154 0.487 0.112
lab*tce 0.25 0.5 0.036
lab*nce 0.5 0.5 r14j

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0,00$

blackness n^*
chromaticness c^*

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.254$

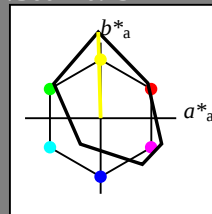
lab^*ch and lab^*nh

D65: hue Y

LCH*Ma: 83 114 92

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nhc 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB

LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nhc 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

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

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nhc 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 1.0 1.0 0.5 (1.0)
cmyn3* 0.0 0.0 0.5 (0.0)
olv3** 1.0 0.949 0.429 (1.0)
cmyn3** 0.0 0.051 0.571 (0.0)

standard and adapted CIELAB

LAB*LAB 87.34 -1.83 52.05
LAB*LABa 87.34 -1.58 56.98
LAB*TCHa 75.0 57.0 91.59

relative CIELAB lab*

lab*lab 0.946 -0.013 0.5
lab*tch 0.75 0.5 0.254
lab*nhc 0.0 0.5 0.254

relative Natural Colour (NC)

lab*lrj 0.946 0.004 0.5
lab*tce 0.75 0.5 0.249
lab*nce 0.0 0.5 r99j

standard and adapted CIELAB

LAB*LAB 82.72 -3.5 109.22
LAB*LABa 82.72 -3.16 113.96
LAB*TCHa 50.0 114.01 91.59

relative CIELAB lab*

lab*lab 0.892 -0.027 0.999
lab*tch 0.5 1.0 0.254
lab*nhc 0.0 1.0 0.254

relative Natural Colour (NC)

lab*lrj 0.892 0.007 1.0
lab*tce 0.5 1.0 0.249
lab*nce 0.0 1.0 r99j

standard and adapted CIELAB

LAB*LAB 44.49 -2.56 53.74
LAB*LABa 44.49 -1.58 56.98
LAB*TCHa 25.01 57.0 91.59

relative CIELAB lab*

lab*lab 0.446 -0.013 0.5
lab*tch 0.25 0.5 0.254
lab*nhc 0.5 0.5 0.254

relative Natural Colour (NC)

lab*lrj 0.446 0.004 0.5
lab*tce 0.25 0.5 0.249
lab*nce 0.5 0.5 r99j

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nhc 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

0.25 0.50 0.75 1.00

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.254$

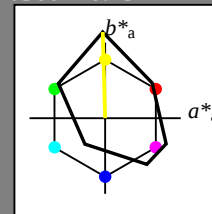
lab^*ch and lab^*nh

D65: hue Y

LCH*Ma: 83 114 92

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nhc 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB

LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

relative CIELAB lab*

lab*lab 0.5 0.0 0.0
lab*tch 0.5 0.0 -
lab*nhc 0.5 0.0 -

relative Natural Colour (NC)

lab*lrj 0.5 0.0 0.0
lab*tce 0.5 0.0 -
lab*nce 0.5 0.0 -

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

standard and adapted CIELAB

LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

relative CIELAB lab*

lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 -
lab*nhc 0.0 0.0 -

relative Natural Colour (NC)

lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

$n^* = 0.00$

blackness n^*

0.25 0.50 0.75 1.00

chromaticness c^*

3 step scales for constant CIELAB hue 92/360 = 0.254 (right)

input: olv* setrgbcolor

output: olv*' (TRI9) setrgbcolor

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06

D65: 2 coordinate data of 3 step colour scales for 10 hues

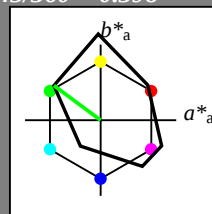
VE210-7, 3 step scales for constant CIELAB hue 92/360 = 0.254 (left)

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 143/360 = 0.398$
 lab^*tch and lab^*nch

D65: hue L
LCH*Ma: 39 77 143
olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv3** 0.541 0.861 0.487 (1.0)
cmyn3** 0.459 0.139 0.513 (0.0)

standard and adapted CIELAB
LAB*LAB 65.7 -31.51 18.84
LAB*LABa 65.7 -30.88 22.91
LAB*TCHa 75.0 38.46 143.44

relative CIELAB lab*
lab*lab 0.693 -0.401 0.298
lab*tch 0.75 0.5 0.398
lab*nch 0.0 0.5 0.398

relative Natural Colour (NC)
lab*lrj 0.693 -0.471 0.166
lab*tce 0.75 0.5 0.446
lab*nce 0.0 0.5 0.178g

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv3** 0.063 0.369 0.007 (1.0)
cmyn3** 0.937 0.631 0.993 (0.0)

standard and adapted CIELAB
LAB*LAB 22.85 -32.23 20.53
LAB*LABa 22.85 -30.88 22.91
LAB*TCHa 25.01 38.46 143.44

relative CIELAB lab*
lab*lab 0.194 -0.401 0.298
lab*tch 0.25 0.5 0.398
lab*nch 0.5 0.5 0.398

relative Natural Colour (NC)
lab*lrj 0.194 -0.471 0.166
lab*tce 0.25 0.5 0.446
lab*nce 0.5 0.5 0.178g

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

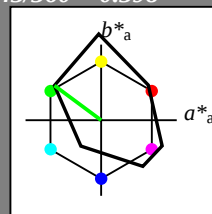
chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 143/360 = 0.398$
 lab^*tch and lab^*nch

D65: hue L
LCH*Ma: 39 77 143
olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv3** 0.541 0.861 0.487 (1.0)
cmyn3** 0.459 0.139 0.513 (0.0)

standard and adapted CIELAB
LAB*LAB 65.7 -31.51 18.84
LAB*LABa 65.7 -30.88 22.91
LAB*TCHa 75.0 38.46 143.44

relative CIELAB lab*
lab*lab 0.693 -0.401 0.298
lab*tch 0.75 0.5 0.398
lab*nch 0.0 0.5 0.398

relative Natural Colour (NC)
lab*lrj 0.693 -0.471 0.166
lab*tce 0.75 0.5 0.446
lab*nce 0.0 0.5 0.178g

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 1.0 (0.0)
olv3** 0.063 0.369 0.007 (1.0)
cmyn3** 0.937 0.631 0.993 (0.0)

standard and adapted CIELAB
LAB*LAB 22.85 -32.23 20.53
LAB*LABa 22.85 -30.88 22.91
LAB*TCHa 25.01 38.46 143.44

relative CIELAB lab*
lab*lab 0.194 -0.401 0.298
lab*tch 0.25 0.5 0.398
lab*nch 0.5 0.5 0.398

relative Natural Colour (NC)
lab*lrj 0.194 -0.471 0.166
lab*tce 0.25 0.5 0.446
lab*nce 0.5 0.5 0.178g

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

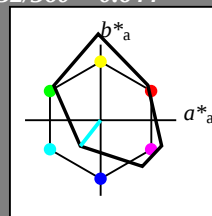
blackness n^*

chromaticness c^*

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 232/360 = 0.644$
 lab^*tch and lab^*nch

D65: hue C
LCH*Ma: 48 43 232
olv*Ma: 0.0 1.0 1.0
triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv3** 0.578 0.855 0.891 (1.0)
cmyn3** 0.422 0.145 0.109 (0.0)

standard and adapted CIELAB
LAB*LAB 69.91 -13.94 -21.35
LAB*LABa 69.91 -13.39 -17.11
LAB*TCHa 75.0 21.74 231.95

relative CIELAB lab*
lab*lab 0.743 -0.307 -0.393
lab*tch 0.75 0.5 0.644
lab*nch 0.0 0.5 0.644

relative Natural Colour (NC)
lab*lrj 0.743 -0.266 -0.422
lab*tce 0.75 0.5 0.66
lab*nce 0.0 0.5 g64b

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv3** 0.081 0.388 0.436 (1.0)
cmyn3** 0.919 0.612 0.564 (0.0)

standard and adapted CIELAB
LAB*LAB 27.06 -14.67 -19.66
LAB*LABa 27.06 -13.39 -17.11
LAB*TCHa 25.01 21.74 231.95

relative CIELAB lab*
lab*lab 0.243 -0.307 -0.393
lab*tch 0.25 0.5 0.644
lab*nch 0.5 0.5 0.644

relative Natural Colour (NC)
lab*lrj 0.243 -0.266 -0.422
lab*tce 0.25 0.5 0.66
lab*nce 0.5 0.5 g64b

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

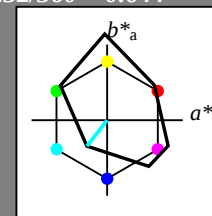
blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 232/360 = 0.644$
 lab^*tch and lab^*nch

D65: hue C
LCH*Ma: 48 43 232
olv*Ma: 0.0 1.0 1.0
triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 0.5 1.0 1.0 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv3** 0.578 0.855 0.891 (1.0)
cmyn3** 0.422 0.145 0.109 (0.0)

standard and adapted CIELAB
LAB*LAB 69.91 -13.94 -21.35
LAB*LABa 69.91 -13.39 -17.11
LAB*TCHa 75.0 21.74 231.95

relative CIELAB lab*
lab*lab 0.743 -0.307 -0.393
lab*tch 0.75 0.5 0.644
lab*nch 0.0 0.5 0.644

relative Natural Colour (NC)
lab*lrj 0.743 -0.266 -0.422
lab*tce 0.75 0.5 0.66
lab*nce 0.0 0.5 g64b

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 1.0 0.5 0.5 (0.0)
olv3** 0.081 0.388 0.436 (1.0)
cmyn3** 0.919 0.612 0.564 (0.0)

standard and adapted CIELAB
LAB*LAB 27.06 -14.67 -19.66
LAB*LABa 27.06 -13.39 -17.11
LAB*TCHa 25.01 21.74 231.95

relative CIELAB lab*
lab*lab 0.243 -0.307 -0.393
lab*tch 0.25 0.5 0.644
lab*nch 0.5 0.5 0.644

relative Natural Colour (NC)
lab*lrj 0.243 -0.266 -0.422
lab*tce 0.25 0.5 0.66
lab*nce 0.5 0.5 g64b

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 312/360 = 0.867$

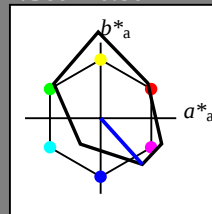
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 10 82 312

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olvi3* 0.5 0.5 1.0 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olvi3** 0.657 0.467 0.829 (1.0)
cmyn3** 0.343 0.533 0.171 (0.0)

standard and adapted CIELAB
LAB*LAB 51.06 26.68 -34.0
LAB*LABa 51.06 27.56 -30.5
LAB*TCHa 75.0 41.11 312.09

relative CIELAB lab*
lab*lab 0.523 0.335 -0.37
lab*tch 0.75 0.5 0.867
lab*nch 0.0 0.5 0.867

relative Natural Colour (NC)
lab*lrj 0.523 0.254 -0.43
lab*tce 0.75 0.5 0.835
lab*nce 0.0 0.5 b33r

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.5 (1.0)
cmyn3* 1.0 1.0 0.5 (0.0)
olvi3** 0.159 0.0 0.355 (1.0)
cmyn3** 0.841 1.0 0.645 (0.0)

standard and adapted CIELAB
LAB*LAB 8.21 25.96 -32.31
LAB*LABa 8.21 27.56 -30.5
LAB*TCHa 25.01 41.11 312.09

relative CIELAB lab*
lab*lab 0.023 0.335 -0.37
lab*tch 0.25 0.5 0.867
lab*nch 0.5 0.5 0.867

relative Natural Colour (NC)
lab*lrj 0.023 0.254 -0.43
lab*tce 0.25 0.5 0.835
lab*nce 0.5 0.5 b33r

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 312/360 = 0.867$

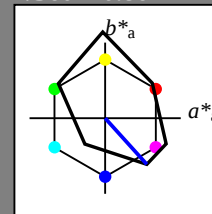
lab^*tch and lab^*nch

D65: hue V

LCH*Ma: 10 82 312

olv*Ma: 0.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

blackness n^*

chromaticness c^*

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06
D65: 2 coordinate data of 3 step colour scales for 10 hues

input: $olv^* setrgbcolor$
output: $olv^* (TRI9) setrgbcolor$

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 337/360 = 0.937$

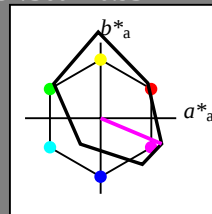
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 35 88 337

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 1.0 0.5 1.0 (1.0)
cmyn3* 0.0 0.5 0.0 (0.0)
olv3** 0.961 0.52 0.821 (1.0)
cmyn3** 0.039 0.48 0.179 (0.0)

standard and adapted CIELAB
LAB*LAB 63.23 39.67 -20.93
LAB*LABa 63.23 40.33 -16.95
LAB*TCHa 75.0 43.75 337.19

relative CIELAB lab*
lab*lab 0.665 0.461 -0.193
lab*tch 0.75 0.5 0.937
lab*nch 0.0 0.5 0.937

relative Natural Colour (NC)
lab*lrj 0.665 0.385 -0.318
lab*tce 0.75 0.5 0.89
lab*nce 0.0 0.5 0.89

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.5 (1.0)
cmyn3* 0.5 1.0 0.5 (0.0)
olv3** 0.508 0.062 0.375 (1.0)
cmyn3** 0.492 0.938 0.625 (0.0)

standard and adapted CIELAB
LAB*LAB 20.38 38.94 -19.24
LAB*LABa 20.38 40.33 -16.95
LAB*TCHa 25.01 43.75 337.19

relative CIELAB lab*
lab*lab 0.165 0.461 -0.193
lab*tch 0.25 0.5 0.937
lab*nch 0.5 0.5 0.937

relative Natural Colour (NC)
lab*lrj 0.165 0.385 -0.318
lab*tce 0.25 0.5 0.89
lab*nce 0.5 0.5 0.89

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 337/360 = 0.937$

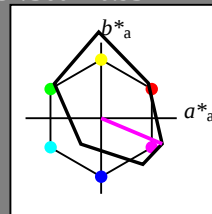
lab^*tch and lab^*nch

D65: hue M

LCH*Ma: 35 88 337

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

3 step scales for constant CIELAB hue 337/360 = 0.937 (right)

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06
D65: 2 coordinate data of 3 step colour scales for 10 hues

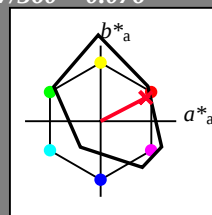
input: olv* setrgbcolor
output: olv*' (TRI9) setrgbcolor

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 27/360 = 0.076$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 33 73 27
olv*Ma: 1.0 0.0 0.16

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.579 (1.0)
cmyn3* 0.0 0.5 0.421 (0.0)
olv3** 0.995 0.52 0.485 (1.0)
cmyn3** 0.005 0.48 0.515 (0.0)

standard and adapted CIELAB
LAB*LAB 62.42 31.92 12.98
LAB*LABa 62.42 32.6 16.92
LAB*TCHa 75.0 36.73 27.44

relative CIELAB lab*
lab*lab 0.655 0.444 0.23
lab*tch 0.75 0.5 0.076
lab*nch 0.0 0.5 0.076

relative Natural Colour (NC)
lab*lrj 0.655 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*nce 0.0 0.5 0.999

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.079 (1.0)
cmyn3* 0.5 1.0 0.921 (0.0)
olv3** 0.54 0.057 0.088 (1.0)
cmyn3** 0.46 0.943 0.912 (0.0)

standard and adapted CIELAB
LAB*LAB 19.57 31.19 14.68
LAB*LABa 19.57 32.6 16.93
LAB*TCHa 25.01 36.73 27.45

relative CIELAB lab*
lab*lab 0.155 0.444 0.23
lab*tch 0.25 0.5 0.076
lab*nch 0.5 0.5 0.076

relative Natural Colour (NC)
lab*lrj 0.155 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.00j

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

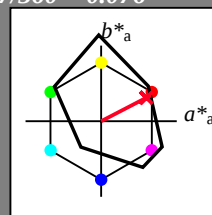
chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 27/360 = 0.076$
 lab^*tch and lab^*nch

D65: hue R
LCH*Ma: 33 73 27
olv*Ma: 1.0 0.0 0.16

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

blackness n^*

chromaticness c^*

FRS06; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 1.0 0.5 0.579 (1.0)
cmyn3* 0.0 0.5 0.421 (0.0)
olv3** 0.995 0.52 0.485 (1.0)
cmyn3** 0.005 0.48 0.515 (0.0)

standard and adapted CIELAB
LAB*LAB 62.42 31.92 12.98
LAB*LABa 62.42 32.6 16.92
LAB*TCHa 75.0 36.73 27.44

relative CIELAB lab*
lab*lab 0.655 0.444 0.23
lab*tch 0.75 0.5 0.076
lab*nch 0.0 0.5 0.076

relative Natural Colour (NC)
lab*lrj 0.655 0.5 0.0
lab*tce 0.75 0.5 1.0
lab*nce 0.0 0.5 0.999

relative Inform. Technology (IT)
olv3* 0.5 0.0 0.079 (1.0)
cmyn3* 0.5 1.0 0.921 (0.0)
olv3** 0.54 0.057 0.088 (1.0)
cmyn3** 0.46 0.943 0.912 (0.0)

standard and adapted CIELAB
LAB*LAB 19.57 31.19 14.68
LAB*LABa 19.57 32.6 16.93
LAB*TCHa 25.01 36.73 27.45

relative CIELAB lab*
lab*lab 0.155 0.444 0.23
lab*tch 0.25 0.5 0.076
lab*nch 0.5 0.5 0.076

relative Natural Colour (NC)
lab*lrj 0.155 0.5 0.0
lab*tce 0.25 0.5 0.0
lab*nce 0.5 0.5 0.00j

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.255$

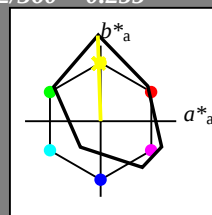
lab^*ch and lab^*nh

D65: hue J

LCH*Ma: 82 113 92

olv*Ma: 0.99 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olvi3* 0.995 1.0 0.5 (1.0)
cmyn3* 0.005 0.0 0.5 (0.0)
olvi3** 1.0 0.948 0.43 (1.0)
cmyn3** 0.0 0.052 0.57 (0.0)

standard and adapted CIELAB
LAB*LAB 87.13 -2.12 51.73
LAB*LABa 87.13 -1.86 56.65
LAB*TCHa 75.0 56.68 91.89

relative CIELAB lab*
lab*lab 0.944 -0.016 0.5
lab*tch 0.75 0.5 0.255
lab*nch 0.0 0.5 0.255

relative Natural Colour (NC)
lab*lrj 0.944 0.0 0.5
lab*tce 0.75 0.5 0.25
lab*nce 0.0 0.5 r99j

relative Inform. Technology (IT)
olvi3* 0.495 0.5 0.0 (1.0)
cmyn3* 0.505 0.5 1.0 (0.0)
olvi3** 0.591 0.485 0.002 (1.0)
cmyn3** 0.409 0.515 0.998 (0.0)

standard and adapted CIELAB
LAB*LAB 44.28 -2.86 53.41
LAB*LABa 44.28 -1.87 56.64
LAB*TCHa 25.01 56.67 91.9

relative CIELAB lab*
lab*lab 0.444 -0.016 0.5
lab*tch 0.25 0.5 0.255
lab*nch 0.5 0.5 0.255

relative Natural Colour (NC)
lab*lrj 0.444 0.0 0.5
lab*tce 0.25 0.5 0.25
lab*nce 0.5 0.5 r99j

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 92/360 = 0.255$

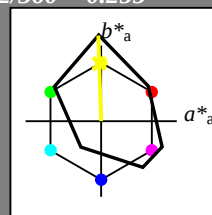
lab^*ch and lab^*nh

D65: hue J

LCH*Ma: 82 113 92

olv*Ma: 0.99 1.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

3 step scales for constant CIELAB hue 92/360 = 0.255 (right)

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06

D65: 2 coordinate data of 3 step colour scales for 10 hues

input: olv* setrgbcolor

output: olv*' (TRI9) setrgbcolor

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 158/360 = 0.438$

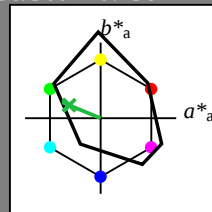
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 42 55 158

olv*Ma: 0.0 1.0 0.31

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	-3.16	113.99	114.03	92
LMa	39.43	-61.79	45.84	76.95	143
CMa	47.86	-26.79	-34.24	43.49	232
VMa	10.16	55.12	-61.03	82.24	312
MMa	34.5	80.68	-33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
JCIE	81.26	-2.52	76.25	76.29	92
GCIE	52.23	-41.56	17.14	44.96	158
BCIE	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.655 (1.0)
cmyn3* 0.5 0.0 0.345 (0.0)
olv3** 0.563 0.852 0.603 (1.0)
cmyn3** 0.437 0.148 0.397 (0.0)

standard and adapted CIELAB
LAB*LAB 67.0 -26.06 6.38
LAB*LABa 67.0 -25.46 10.5
LAB*TCHa 75.0 27.55 157.59

relative CIELAB lab*
lab*lab 0.709 -0.461 0.191
lab*tch 0.75 0.5 0.438
lab*nch 0.0 0.5 0.438

relative Natural Colour (NC)
lab*lrj 0.709 -0.499 0.0
lab*tce 0.75 0.5 0.5
lab*nce 0.0 0.5 g00b

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.155 (1.0)
cmyn3* 1.0 0.5 0.845 (0.0)
olv3** 0.108 0.363 0.161 (1.0)
cmyn3** 0.892 0.637 0.839 (0.0)

standard and adapted CIELAB
LAB*LAB 24.15 -26.79 8.07
LAB*LABa 24.15 -25.46 10.51
LAB*TCHa 25.01 27.56 157.58

relative CIELAB lab*
lab*lab 0.209 -0.461 0.191
lab*tch 0.25 0.5 0.438
lab*nch 0.5 0.5 0.438

relative Natural Colour (NC)
lab*lrj 0.209 -0.499 0.0
lab*tce 0.25 0.5 0.5
lab*nce 0.5 0.5 g99g

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 158/360 = 0.438$

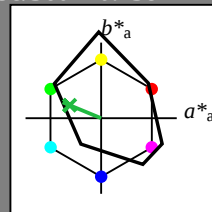
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 42 55 158

olv*Ma: 0.0 1.0 0.31

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

input: olv* setrgbcolor

output: olv*' (TRI9) setrgbcolor

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06

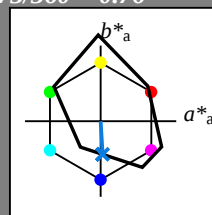
D65: 2 coordinate data of 3 step colour scales for 10 hues

Input: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 273/360 = 0.76$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 34 44 273
olv*Ma: 0.0 0.64 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

FRS06; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	32.57	62.32	46.49	77.75	37
Y _{Ma}	82.73	-3.16	113.99	114.03	92
L _{Ma}	39.43	-61.79	45.84	76.95	143
C _{Ma}	47.86	-26.79	-34.24	43.49	232
V _{Ma}	10.16	55.12	-61.03	82.24	312
M _{Ma}	34.5	80.68	-33.92	87.52	337
N _{Ma}	6.25	0.0	0.0	0.0	0
W _{Ma}	91.97	0.0	0.0	0.0	0
R _{CIE}	39.92	59.8	31.05	67.38	27
J _{CIE}	81.26	-2.52	76.25	76.29	92
G _{CIE}	52.23	-41.56	17.14	44.96	158
B _{CIE}	30.57	2.63	-43.77	43.86	273

relative Inform. Technology (IT)
olvi3* 0.5 0.82 1.0 (1.0)
cmyn3* 0.5 0.18 0.0 (0.0)
olvi3** 0.611 0.702 0.862 (1.0)
cmyn3** 0.389 0.298 0.138 (0.0)

standard and adapted CIELAB
LAB*LAB 63.14 0.64 -25.89
LAB*LABa 63.14 1.31 -21.92
LAB*TCHa 75.0 21.97 273.42

relative CIELAB lab*
lab*lab 0.664 0.03 -0.498
lab*tch 0.75 0.5 0.76
lab*nch 0.0 0.5 0.76

relative Natural Colour (NC)
lab*lrj 0.664 0.0 -0.499
lab*tce 0.75 0.5 0.75
lab*nce 0.0 0.5 g99b

relative Inform. Technology (IT)
olvi3* 0.0 0.32 0.5 (1.0)
cmyn3* 1.0 0.68 0.5 (0.0)
olvi3** 0.131 0.261 0.394 (1.0)
cmyn3** 0.869 0.739 0.606 (0.0)

standard and adapted CIELAB
LAB*LAB 20.29 -0.06 -24.21
LAB*LABa 20.29 1.32 -21.92
LAB*TCHa 25.01 21.97 273.44

relative CIELAB lab*
lab*lab 0.164 0.03 -0.498
lab*tch 0.25 0.5 0.76
lab*nch 0.5 0.5 0.76

relative Natural Colour (NC)
lab*lrj 0.164 0.0 -0.499
lab*tce 0.25 0.5 0.75
lab*nce 0.5 0.5 b00r

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 0.00$

blackness n^*

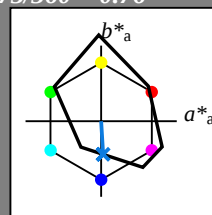
chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

for hue $h^* = lab^*h = 273/360 = 0.76$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 34 44 273
olv*Ma: 0.0 0.64 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

$g^*_{H,rel} = 28$

$g^*_{C,rel} = 38$

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi3** 0.546 0.52 0.498 (1.0)
cmyn3** 0.454 0.48 0.502 (0.0)

standard and adapted CIELAB
LAB*LAB 49.11 -0.89 -3.42
LAB*LABa 49.11 0.0 0.0
LAB*TCHa 50.0 0.01 -

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

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

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

standard and adapted CIELAB
LAB*LAB 91.97 -0.17 -5.11
LAB*LABa 91.97 0.0 0.0
LAB*TCHa 99.99 0.01 -

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

relative Natural Colour (NC)
lab*lrj 1.0 0.0 0.0
lab*tce 1.0 0.0 -
lab*nce 0.0 0.0 -

$n^* = 1.0$

blackness n^*

chromaticness c^*

BAM-test chart VE21; Colorimetric systems FRS06 & FRS06
D65: 2 coordinate data of 3 step colour scales for 10 hues

input: olv* setrgbcolor
output: olv* (TRI9) setrgbcolor