

Input: Colorimetric Printer Reflective System FRS06

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

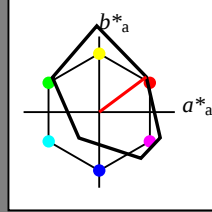
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 33 78 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 115$

%Regularity

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

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

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
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

Output: Colorimetric Printer Reflective System FRS06

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

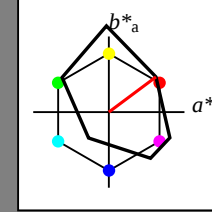
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relative Inform. Technology (IT)
 $olvi3^*$ 1.0 1.0 1.0 (1.0)
 $cmyn3^*$ 0.0 0.0 0.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 1.0
 $cmyn4^*$ 0.0 0.0 0.0 0.0

standard and adapted CIELAB
 LAB^*LAB 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)
 $olvi4^*$ 1.0 1.0 1.0 0.5
 $cmyn4^*$ 0.0 0.0 0.0 0.5

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)
 $olvi3^*$ 0.0 0.0 0.0 (1.0)
 $cmyn3^*$ 1.0 1.0 1.0 (0.0)
 $olvi4^*$ 1.0 1.0 1.0 0.0
 $cmyn4^*$ 0.0 0.0 0.0 1.0

standard and adapted CIELAB
 LAB^*LAB 6.26 -1.62 -1.73
 LAB^*LABa 6.26 0.0 0.0
 LAB^*TCHa 0.01 0.01 -

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

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

relative Inform. Technology (IT)
 $olvi3^*$ 1.0 0.5 0.5 (1.0)
 $cmyn3^*$ 0.0 0.5 0.5 (0.0)
 $olvi4^*$ 1.0 0.5 0.5 1.0
 $cmyn4^*$ 0.0 0.5 0.5 0.0

standard and adapted CIELAB
 LAB^*LAB 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)
 $olvi4^*$ 1.0 0.5 0.5 0.5
 $cmyn4^*$ 0.0 0.5 0.5 0.5

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

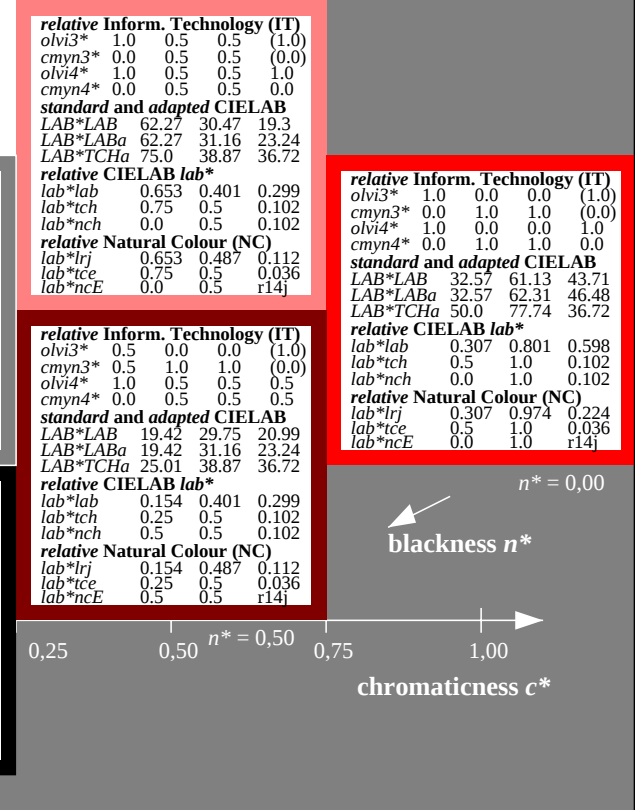
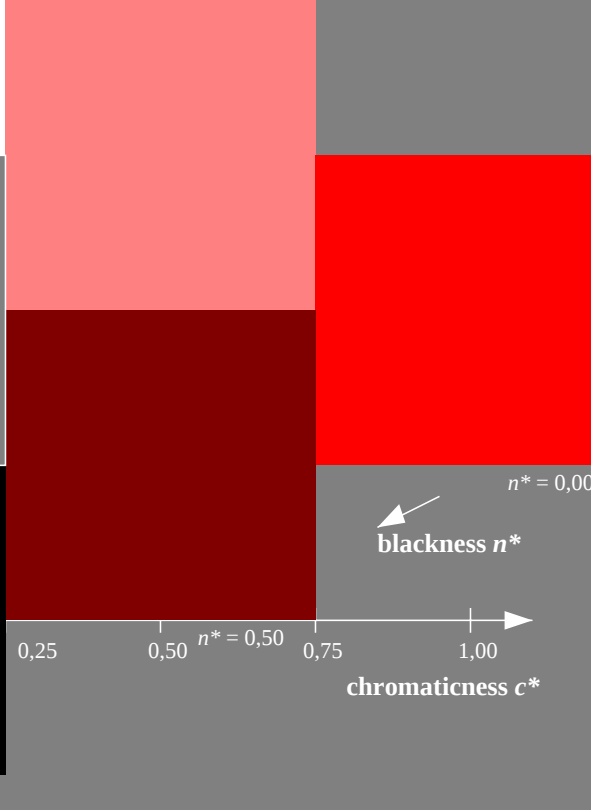
relative Natural Colour (NC)
 lab^*lrj 0.154 0.487 0.112
 lab^*tce 0.25 0.5 0.036
 lab^*nce 0.5 0.5 r14j

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

standard and adapted CIELAB
 LAB^*LAB 32.57 61.13 43.71
 LAB^*LABa 32.57 62.31 46.48
 LAB^*TCHa 50.0 77.74 36.72

relative CIELAB lab*
 lab^*lab 0.307 0.801 0.598
 lab^*tch 0.5 1.0 0.102
 lab^*nch 0.0 1.0 0.102

relative Natural Colour (NC)
 lab^*lrj 0.307 0.974 0.224
 lab^*tce 0.5 1.0 0.036
 lab^*nce 0.0 1.0 r14j



VE200-7, 3 step scales for constant CIELAB hue 37/360 = 0.102 (left)

3 step scales for constant CIELAB hue 37/360 = 0.102 (right)