

Input: Colorimetric Printer Reflective System FRS06

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

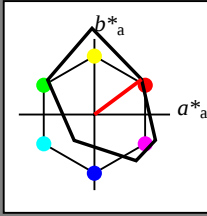
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 33 78 37

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 115$

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
 $LAB^*LAB = 91.97 \ 15.14 \ 7.09$
 $LAB^*LABa = 91.97 \ 0.0 \ 0.0$
 $LAB^*TCha = 99.99 \ 0.01 \ -$

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)
 $lab^*trj = 1.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 0.0 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.75 \ 0.75 \ 0.75 \ 1.0$
 $cmyn3^* = 0.25 \ 0.25 \ 0.25 \ 0.0$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.75$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 70.54 \ -0.53 \ -4.26$
 $LAB^*LABa = 70.54 \ 0.0 \ 0.0$
 $LAB^*TCha = 75.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.75 \ 0.0 \ 0.0$
 $lab^*tch = 0.75 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
 $lab^*trj = 0.75 \ 0.0 \ 0.0$
 $lab^*tce = 0.25 \ 0.0 \ -$
 $lab^*nce = 0.25 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.5 \ 0.5 \ 0.5 \ 0.5$
 $cmyn3^* = 0.5 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.5$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.5$
 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*
 $lab^*lab = 0.5 \ 0.0 \ 0.0$
 $lab^*tch = 0.5 \ 0.0 \ -$
 $lab^*nch = 0.0 \ 0.0 \ -$
 relative Natural Colour (NC)
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 $lab^*tce = 0.5 \ 0.0 \ -$
 $lab^*nce = 0.5 \ 0.0 \ -$

relative Inform. Technology (IT)
 $olvi3^* = 0.25 \ 0.25 \ 0.25 \ 1.0$
 $cmyn3^* = 0.75 \ 0.75 \ 0.75 \ 0.0$
 $olvi4^* = 1.0 \ 1.0 \ 1.0 \ 0.25$
 $cmyn4^* = 0.0 \ 0.0 \ 0.0 \ 0.75$
 standard and adapted CIELAB
 $LAB^*LAB = 27.68 \ -1.25 \ -2.57$
 $LAB^*LABa = 27.68 \ 0.0 \ 0.0$
 $LAB^*TCha = 25.0 \ 0.01 \ -$

relative CIELAB lab*
 $lab^*lab = 0.25 \ 0.0 \ 0.0$
 $lab^*tch = 0.25 \ 0.0 \ -$
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 $lab^*trj = 0.25 \ 0.0 \ 0.0$
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 $lab^*nce = 0.25 \ 0.0 \ -$

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)
 $lab^*trj = 0.0 \ 0.0 \ 0.0$
 $lab^*tce = 0.0 \ 0.0 \ -$
 $lab^*nce = 1.0 \ 0.0 \ -$

$n^* = 1,0$

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

%Regularity

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

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

0,75

relative Inform. Technology (IT)
 $olvi3^* = 1.0 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* = 0.0 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* = 1.0 \ 0.5 \ 0.5 \ 0.5$
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 standard and adapted CIELAB
 $LAB^*LAB = 62.27 \ 30.47 \ 19.3$
 $LAB^*LABa = 62.27 \ 31.16 \ 23.24$
 $LAB^*TCha = 75.0 \ 36.87 \ 36.72$

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)
 $lab^*trj = 0.653 \ 0.401 \ 0.112$
 $lab^*tce = 0.5 \ 0.5 \ 0.036$
 $lab^*nce = 0.0 \ 0.5 \ 0.14$

relative Inform. Technology (IT)
 $olvi3^* = 0.75 \ 0.5 \ 0.5 \ 1.0$
 $cmyn3^* = 0.25 \ 0.5 \ 0.5 \ 0.0$
 $olvi4^* = 1.0 \ 0.5 \ 0.5 \ 0.75$
 $cmyn4^* = 0.0 \ 0.5 \ 0.5 \ 0.25$
 standard and adapted CIELAB
 $LAB^*LAB = 40.84 \ 30.12 \ 20.15$
 $LAB^*LABa = 40.84 \ 31.16 \ 23.24$
 $LAB^*TCha = 50.0 \ 38.88 \ 36.72$

relative CIELAB lab*
 $lab^*lab = 0.404 \ 0.401 \ 0.299$
 $lab^*tch = 0.375 \ 0.5 \ 0.102$
 $lab^*nch = 0.0 \ 0.5 \ 0.102$
 relative Natural Colour (NC)
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$n^* = 0,50$

blackness n^*

chromaticness c^*

Output: Colorimetric Printer Reflective System FRS06

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

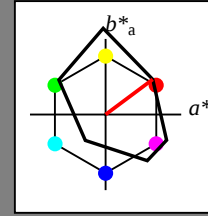
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triangle lightness t^*



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W _{Ma}	91.97	0.0	0.0	0.0	0
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 $lab^*nce = 0.5 \ 0.5 \ 0.14$

$n^* = 0,50$

blackness n^*

chromaticness c^*

VE250-7, 5 step scales for constant CIELAB hue 37/360 = 0.102 (left)

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