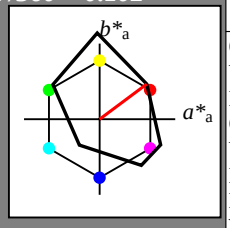
Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 37/360 = 0.102**
lab*tch* and *lab*nch

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

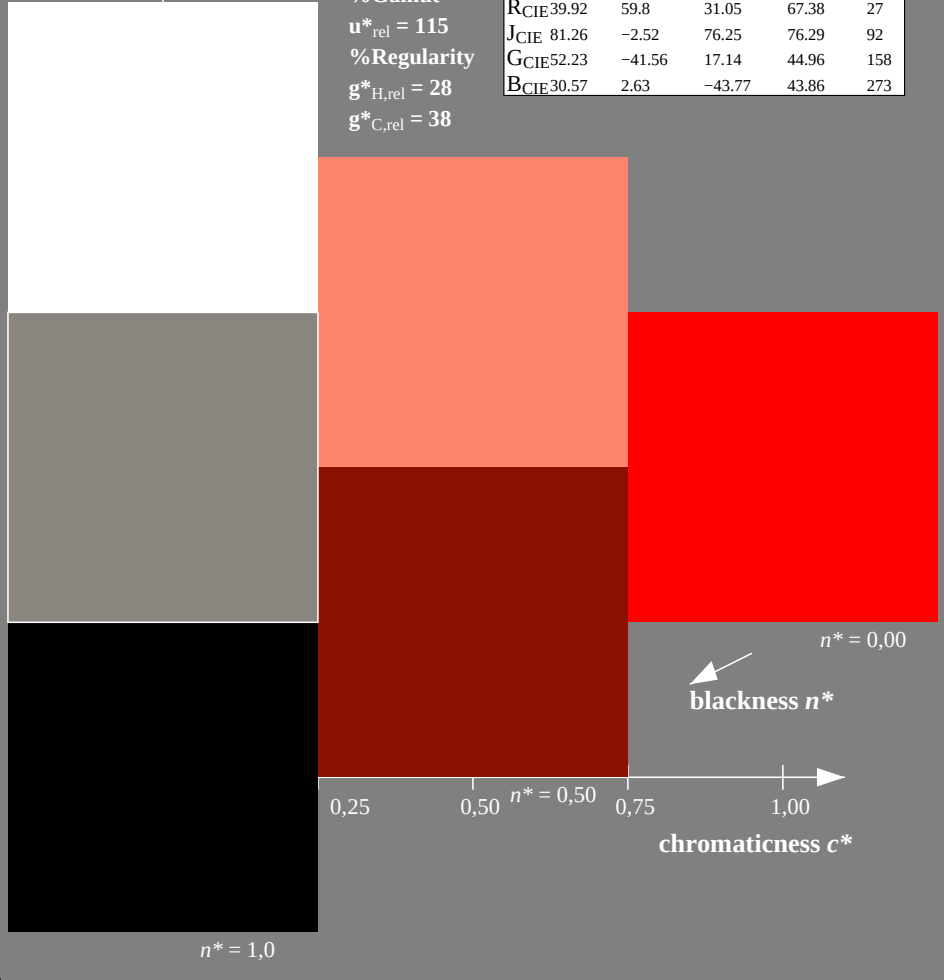
triangle lightness *t**



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

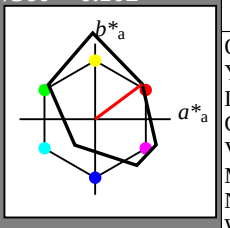
%Gamut
u*rel = 115
%Regularity
g*H,rel = 28
g*C,rel = 38



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**



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

%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	–	

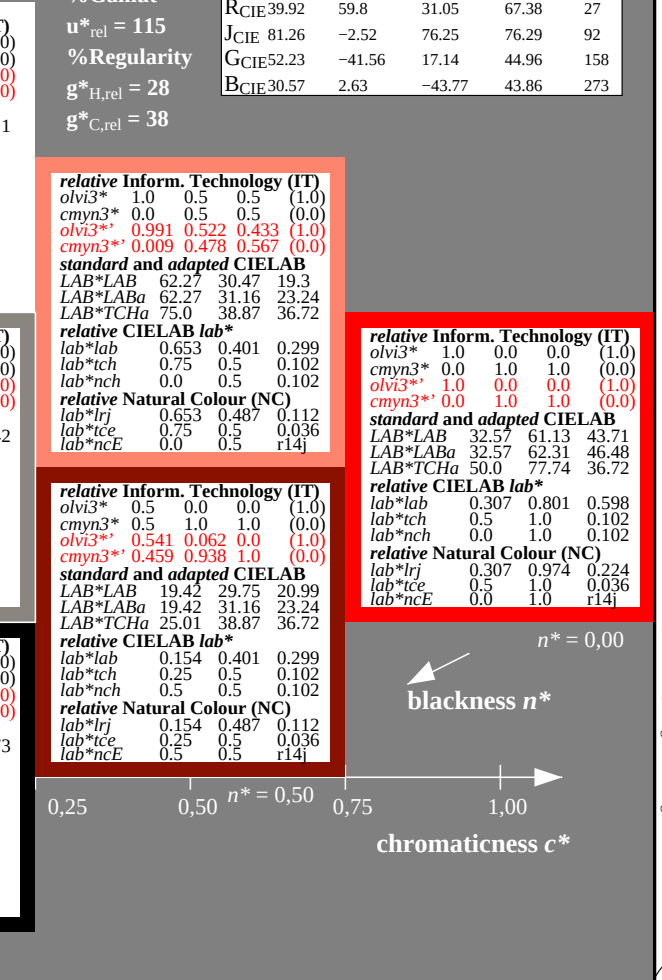
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)
***standard* and *adapted* CIELAB**				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab*				
*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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)
***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)
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	0.0	0.0	(1.0)
*cmyn3**	0.0	1.0	1.0	(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*	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)

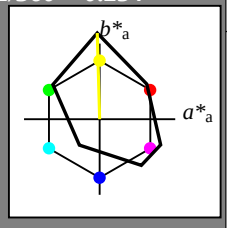
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

Input: Colorimetric Printer Reflective System FRS06
for hue *h* = lab*h = 92/360 = 0.254*
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 83 114 92
olv*Ma: 1.0 1.0 0.0

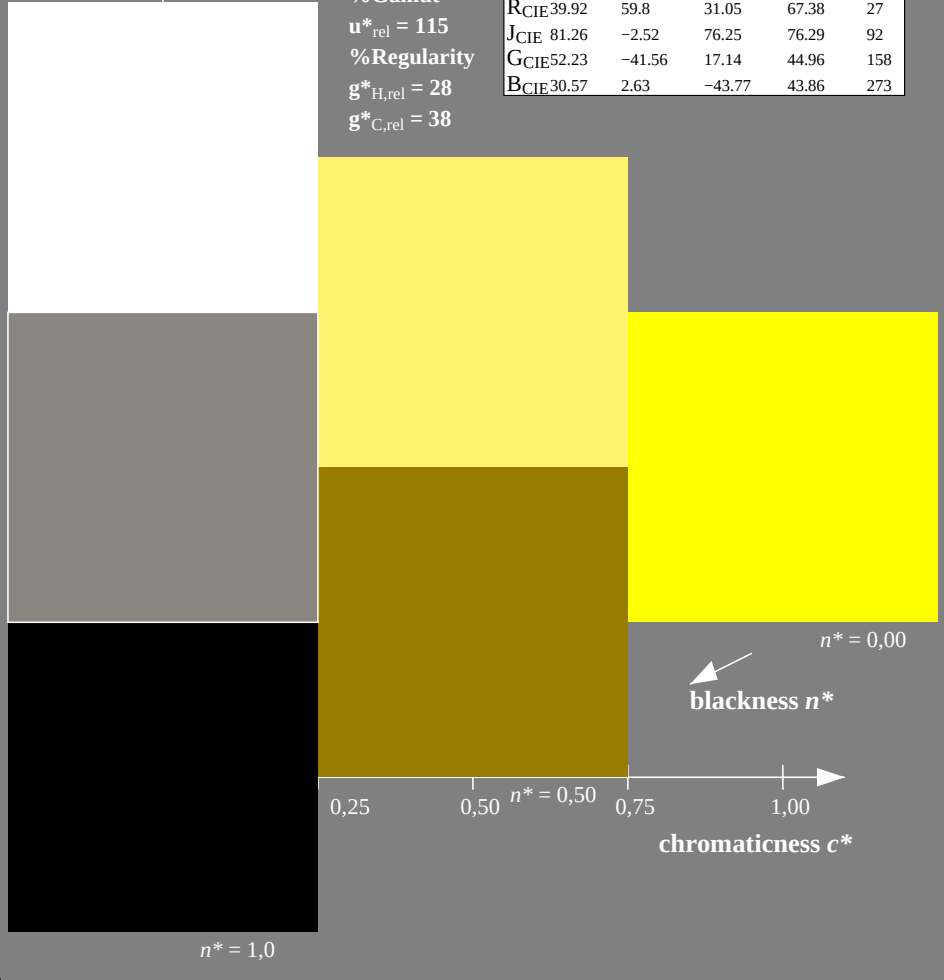
triangle lightness *t**



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

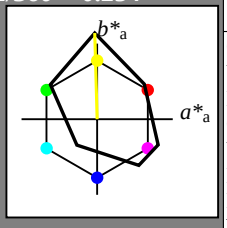
%Gamut
u*rel = 115
%Regularity
g*H,rel = 28
g*C,rel = 38



Output: Colorimetric Printer Reflective System FRS06
for hue *h* = lab*h = 92/360 = 0.254*
lab*tch* and *lab*nch

D65: hue Y
LCH*Ma: 83 114 92
olv*Ma: 1.0 1.0 0.0

triangle lightness *t**



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

%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	–	

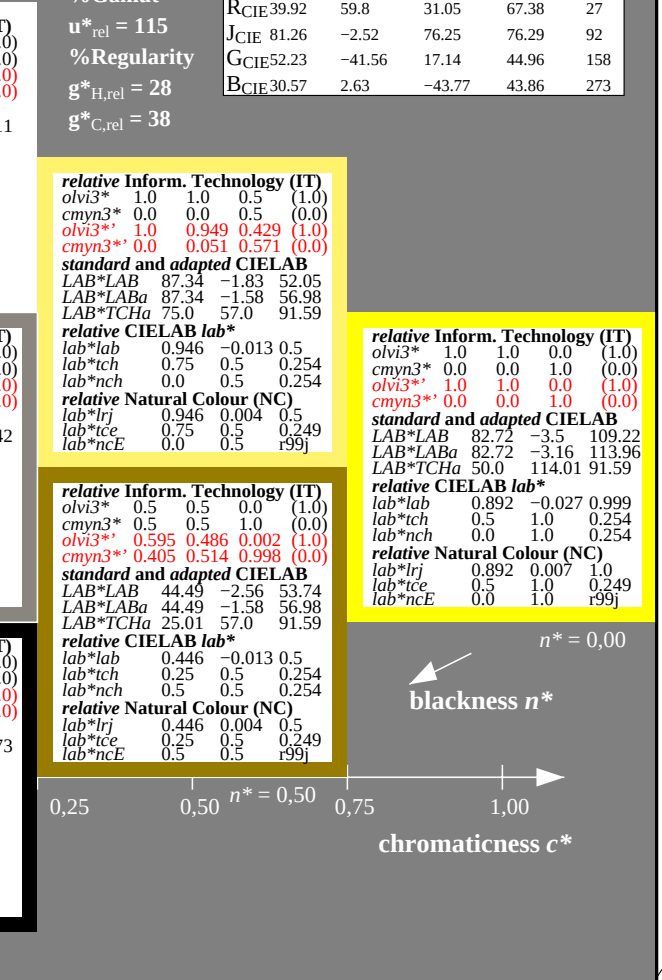
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)
***standard* and *adapted* CIELAB**				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)
***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	1.0	0.5	(1.0)
*cmyn3**	0.0	0.0	0.5	(0.0)
olvi3'*	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*nch*	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	

***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.0	(1.0)
*cmyn3**	0.5	0.5	1.0	(0.0)
olvi3'*	0.595	0.486	0.002	(1.0)
cmyn3'*	0.405	0.514	0.998	(0.0)
***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*nch*	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	

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



VE200−7, 3 step scales for constant CIELAB hue 92/360 = 0.254 (left)

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

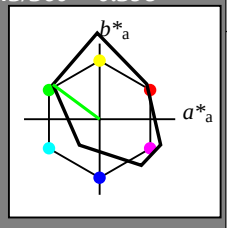
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

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

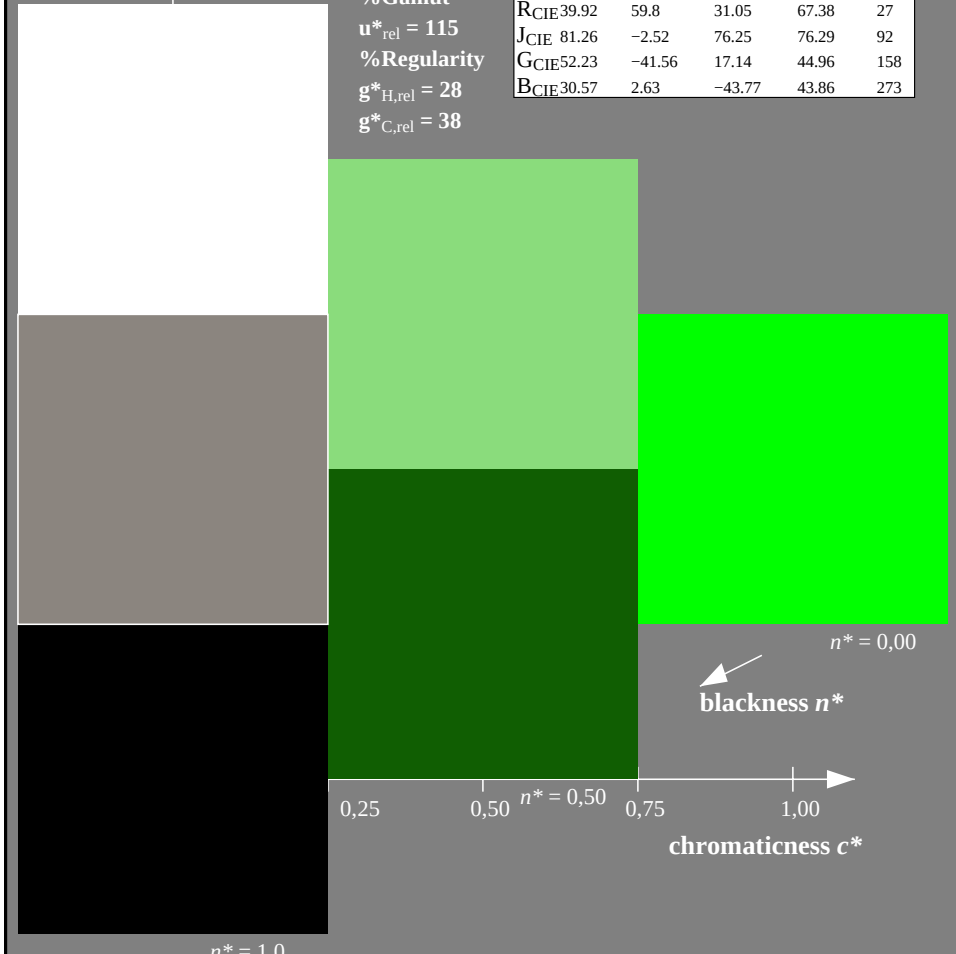
triangle lightness *t**



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

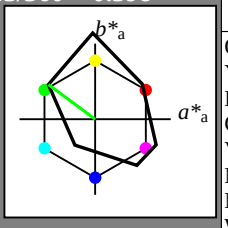
%Gamut
u*$_{rel}$ = 115
%Regularity
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38



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**



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

%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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.5	1.0	0.5	(1.0)
*cmyn3**	0.5	0.0	0.5	(0.0)
olvi3'*	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	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	0.5	0.0	(1.0)
*cmyn3**	1.0	0.5	1.0	(0.0)
olvi3'*	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	j78g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.0	(1.0)
*cmyn3**	1.0	0.0	1.0	(0.0)
olvi3'*	0.0	0.999	0.0	(1.0)
cmyn3'*	1.0	0.001	1.0	(0.0)

***standard* and *adapted* CIELAB**

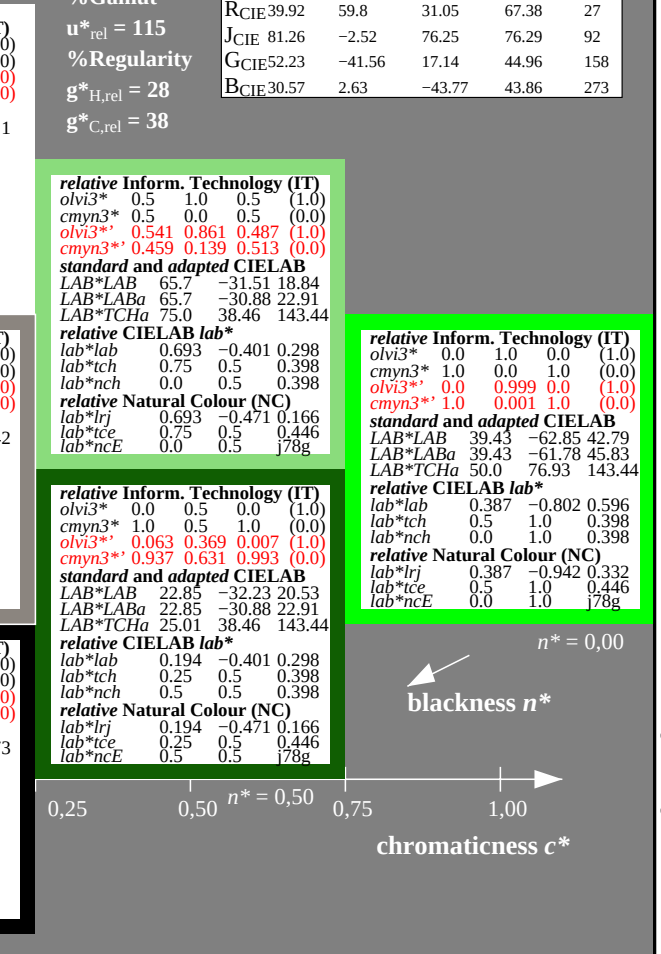
*LAB*LAB*	39.43	−62.85	42.79
*LAB*LABa*	39.43	−61.78	45.83
*LAB*TCHa*	50.0	76.93	143.44

relative* CIELAB *lab*

*lab*lab*	0.387	−0.802	0.596
*lab*tch*	0.5	1.0	0.398
*lab*nch*	0.0	1.0	0.398

***relative* Natural Colour (NC)**

*lab*lrj*	0.387	−0.942	0.332
*lab*tce*	0.5	1.0	0.446
*lab*ncE*	0.0	1.0	j78g



VE200−7, 3 step scales for constant CIELAB hue 143/360 = 0.398 (left)

3 step scales for constant CIELAB hue 143/360 = 0.398 (right)

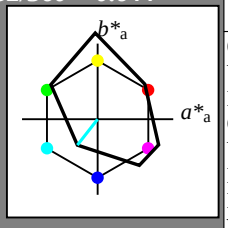
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

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

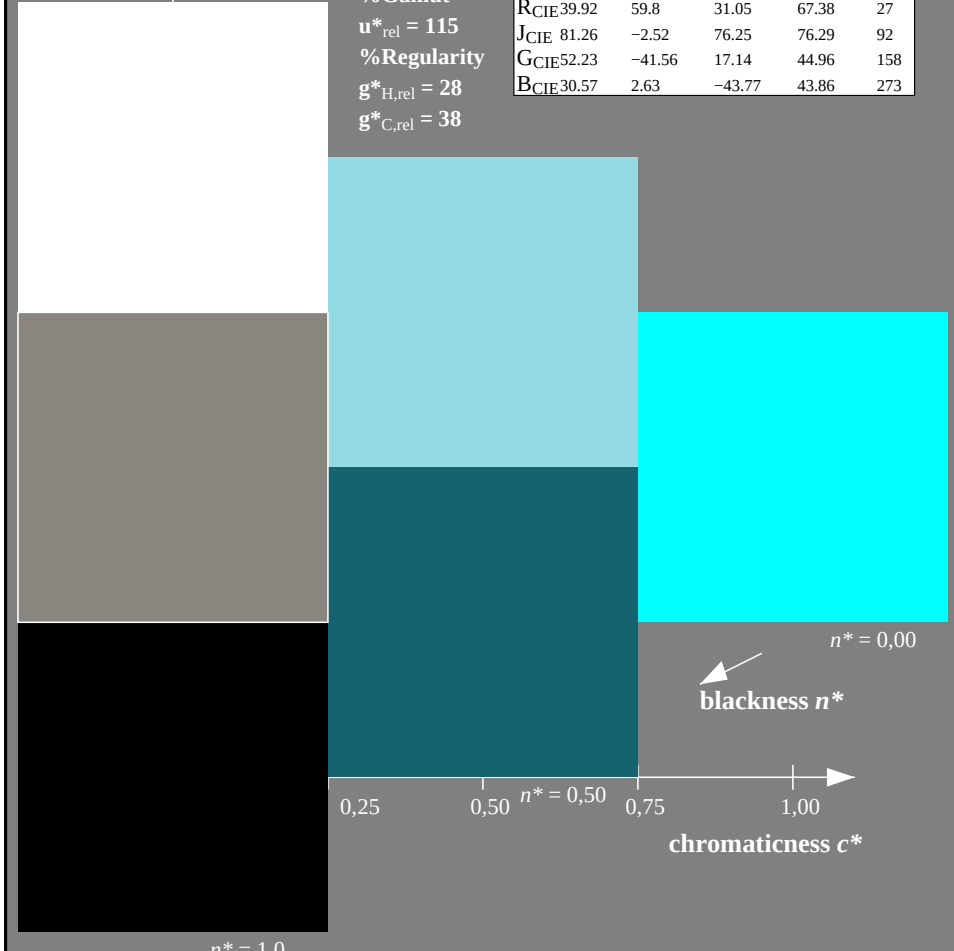
triangle lightness *t**



%Gamut
u*rel = 115
%Regularity
g*H,rel = 28
g*C,rel = 38

FRS06; adapted (a) CIELAB data

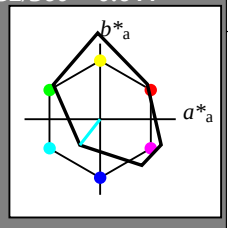
	L*=L*a	a*a	b*a	C*ab,a	h*ab,a
OMa	32.57	62.32	46.49	77.75	37
YMa	82.73	−3.16	113.99	114.03	92
LMa	39.43	−61.79	45.84	76.95	143
CMa	47.86	−26.79	−34.24	43.49	232
VMa	10.16	55.12	−61.03	82.24	312
MMa	34.5	80.68	−33.92	87.52	337
NMa	6.25	0.0	0.0	0.0	0
WMa	91.97	0.0	0.0	0.0	0
RCIE	39.92	59.8	31.05	67.38	27
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



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

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	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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.5	1.0	1.0	(1.0)
*cmyn3**	0.5	0.0	0.0	(0.0)
olvi3'*	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)**

*olvi3**	0.0	0.5	0.5	(1.0)
*cmyn3**	1.0	0.5	0.5	(0.0)
olvi3'*	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)**

*olvi3**	0.0	1.0	1.0	(1.0)
*cmyn3**	0.0	0.0	0.0	(0.0)
olvi3'*	0.0	0.999	1.0	(1.0)
cmyn3'*	1.0	0.001	0.0	(0.0)

***standard* and *adapted* CIELAB**

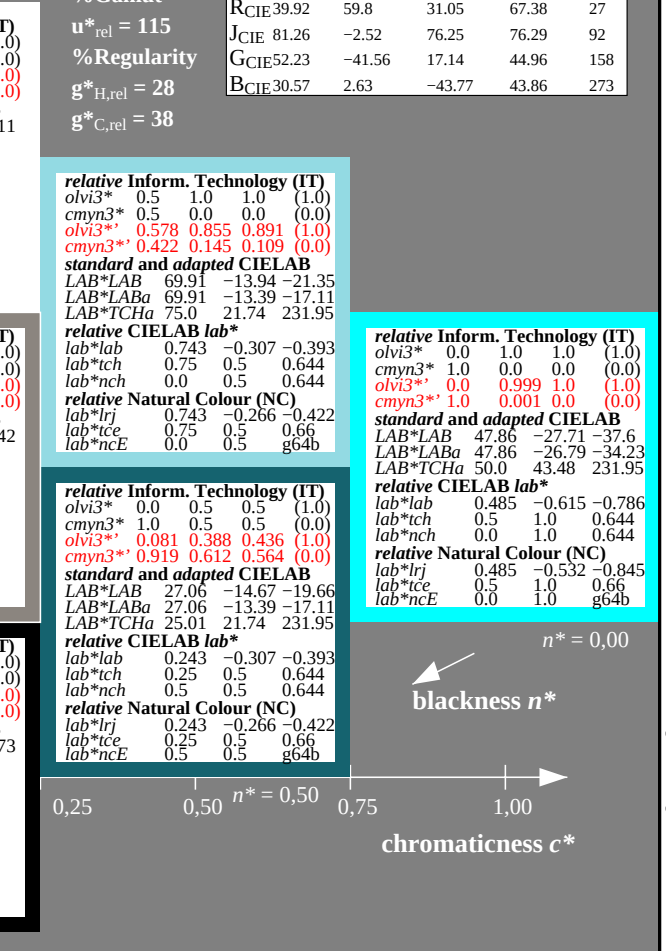
*LAB*LAB*	47.86	−27.71	−37.6
*LAB*LABa*	47.86	−26.79	−34.23
*LAB*TCHa*	50.0	43.48	231.95

relative* CIELAB *lab*

*lab*lab*	0.485	−0.615	−0.786
*lab*tch*	0.5	1.0	0.644
*lab*nch*	0.0	1.0	0.644

***relative* Natural Colour (NC)**

*lab*lrj*	0.485	−0.532	−0.845
*lab*tce*	0.5	1.0	0.66
*lab*ncE*	0.0	1.0	g64b



VE200−7, 3 step scales for constant CIELAB hue 232/360 = 0.644 (left)
3 step scales for constant CIELAB hue 232/360 = 0.644 (right)

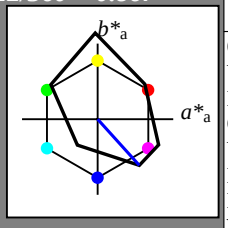
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

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

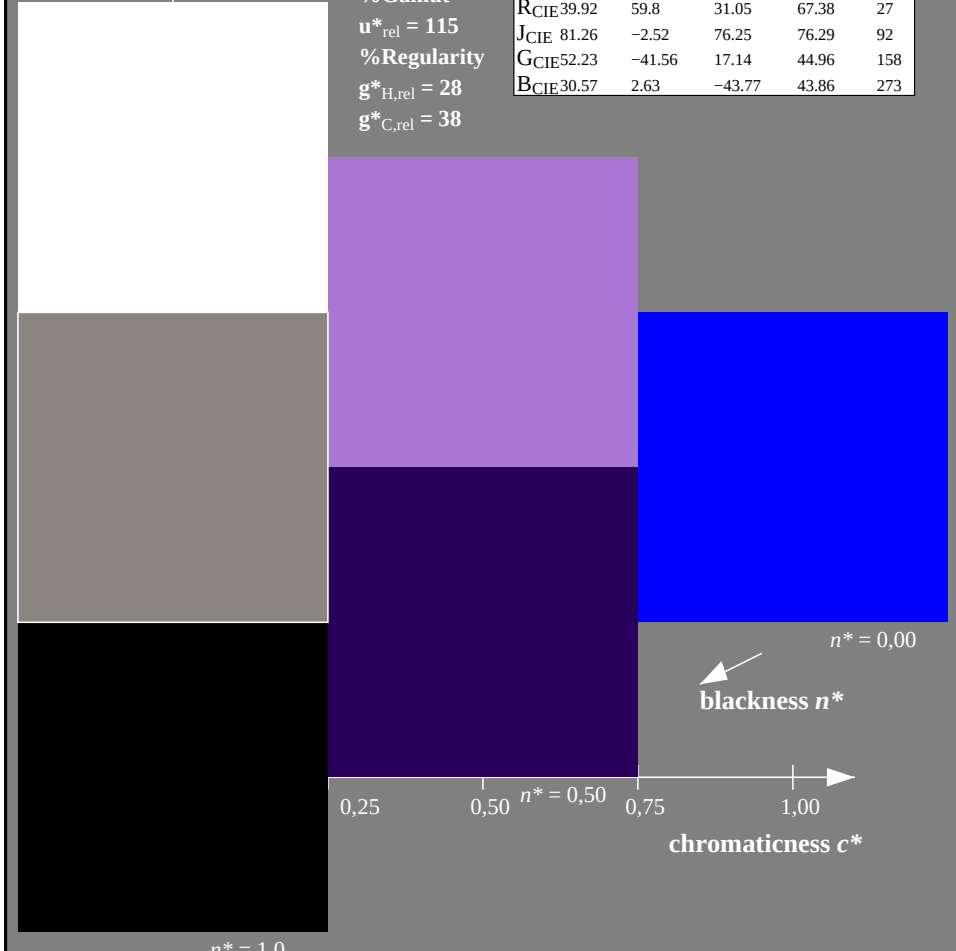
triangle lightness *t**



%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38

FRS06; adapted (a) CIELAB data

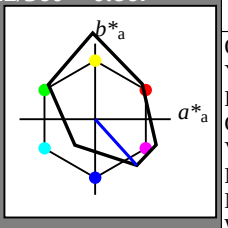
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	32.57	62.32	46.49	77.75	37
Y_{Ma}	82.73	−3.16	113.99	114.03	92
L_{Ma}	39.43	−61.79	45.84	76.95	143
C_{Ma}	47.86	−26.79	−34.24	43.49	232
V_{Ma}	10.16	55.12	−61.03	82.24	312
M_{Ma}	34.5	80.68	−33.92	87.52	337
N_{Ma}	6.25	0.0	0.0	0.0	0
W_{Ma}	91.97	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



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

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**	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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	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**	0.0	0.0	1.0	(1.0)
*cmyn3**	1.0	1.0	0.0	(0.0)
olvi3'*	0.0	0.0	1.0	(1.0)
cmyn3'*	1.0	1.0	0.0	(0.0)

***standard* and *adapted* CIELAB**

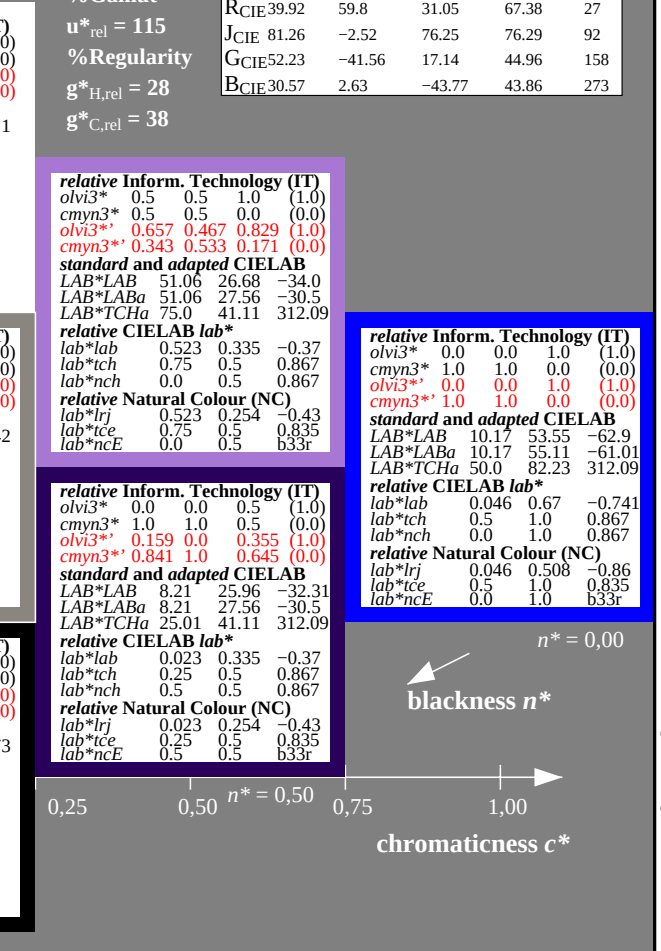
*LAB*LAB*	10.17	53.55	−62.9
*LAB*LABa*	10.17	55.11	−61.01
*LAB*TCHa*	50.0	82.23	312.09

relative* CIELAB *lab*

*lab*lab*	0.046	0.67	−0.741
*lab*tch*	0.5	1.0	0.867
*lab*nch*	0.0	1.0	0.867

***relative* Natural Colour (NC)**

*lab*lrj*	0.046	0.508	−0.86
*lab*tce*	0.5	1.0	0.835
*lab*ncE*	0.0	1.0	b33r



VE200−7, 3 step scales for constant CIELAB hue 312/360 = 0.867 (left)
3 step scales for constant CIELAB hue 312/360 = 0.867 (right)

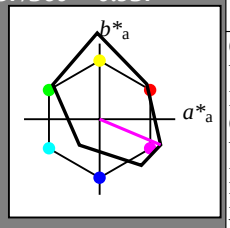
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

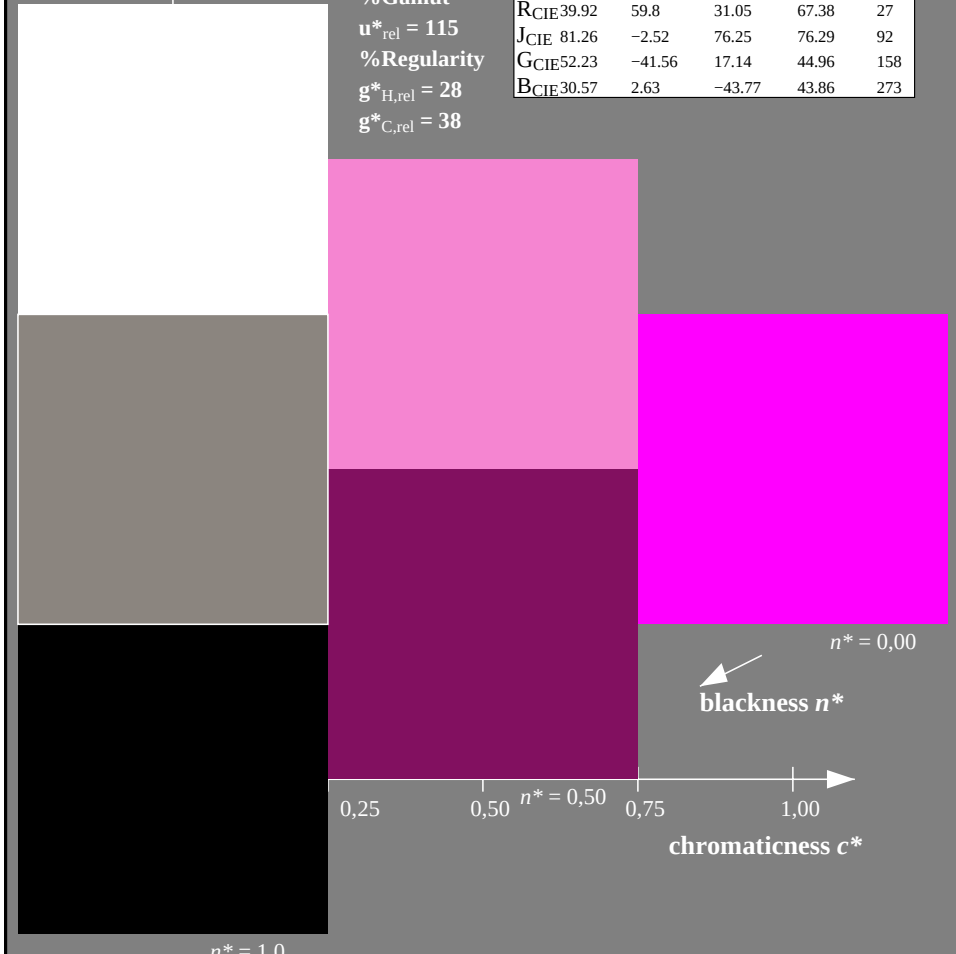
triangle lightness *t**



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

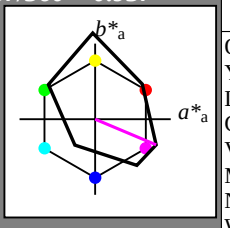
%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



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**



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

%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**	0.0	0.0	0.0 (1.0)
*cmyn3**	1.0	1.0	1.0 (0.0)
olvi3'*	0.0	0.0	0.0 (1.0)
cmyn3'*	1.0	1.0	1.0 (0.0)

***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	1.0 (1.0)
*cmyn3**	0.0	0.5	0.0 (0.0)
olvi3'*	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	b55r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.5 (1.0)
*cmyn3**	0.5	1.0	0.5 (0.0)
olvi3'*	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	b55r

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	1.0 (1.0)
*cmyn3**	0.0	1.0	0.0 (0.0)
olvi3'*	1.0	0.0	0.999 (1.0)
cmyn3'*	0.0	1.0	0.001 (0.0)

***standard* and *adapted* CIELAB**

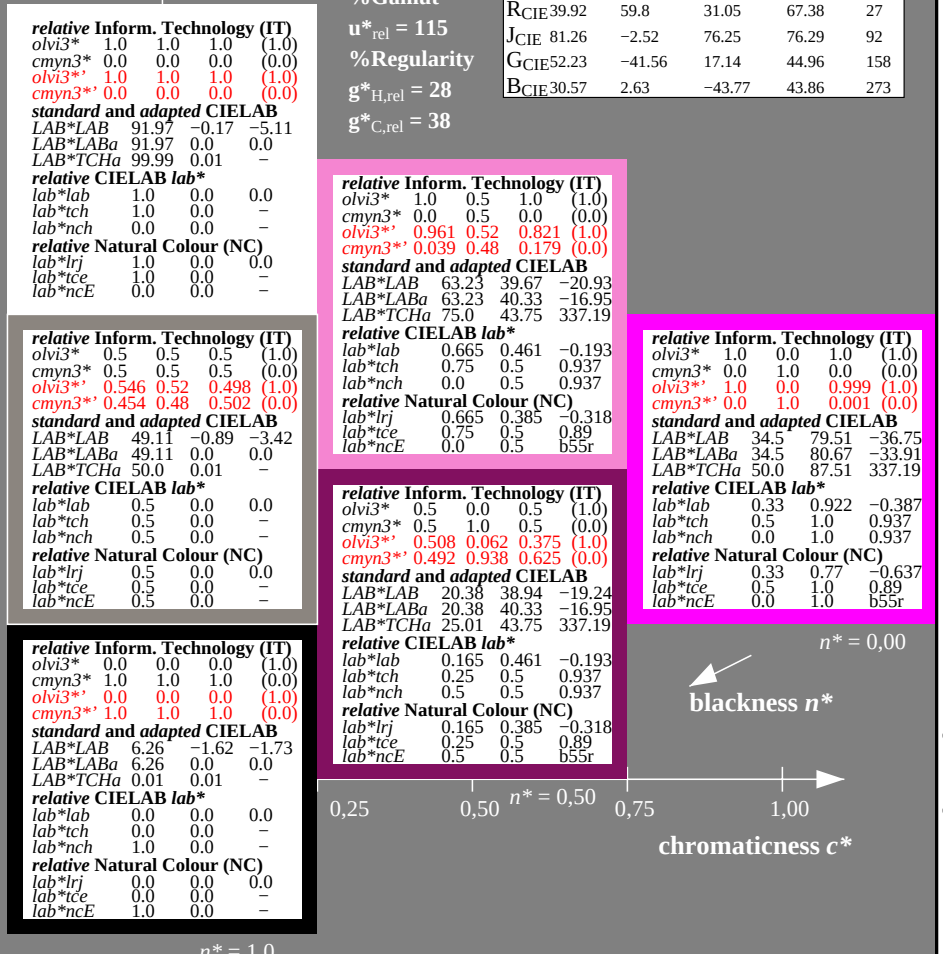
*LAB*LAB*	34.5	79.51	−36.75
*LAB*LABa*	34.5	80.67	−33.91
*LAB*TCHa*	50.0	87.51	337.19

relative* CIELAB *lab*

*lab*lab*	0.33	0.922	−0.387
*lab*tch*	0.5	1.0	0.937
*lab*nch*	0.0	1.0	0.937

***relative* Natural Colour (NC)**

*lab*lrj*	0.33	0.77	−0.637
*lab*tce*	0.5	1.0	0.89
*lab*ncE*	0.0	1.0	b55r



VE200−7, 3 step scales for constant CIELAB hue 337/360 = 0.937 (left)
3 step scales for constant CIELAB hue 337/360 = 0.937 (right)

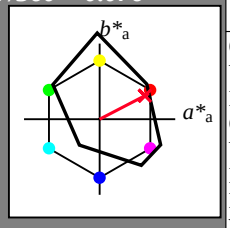
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

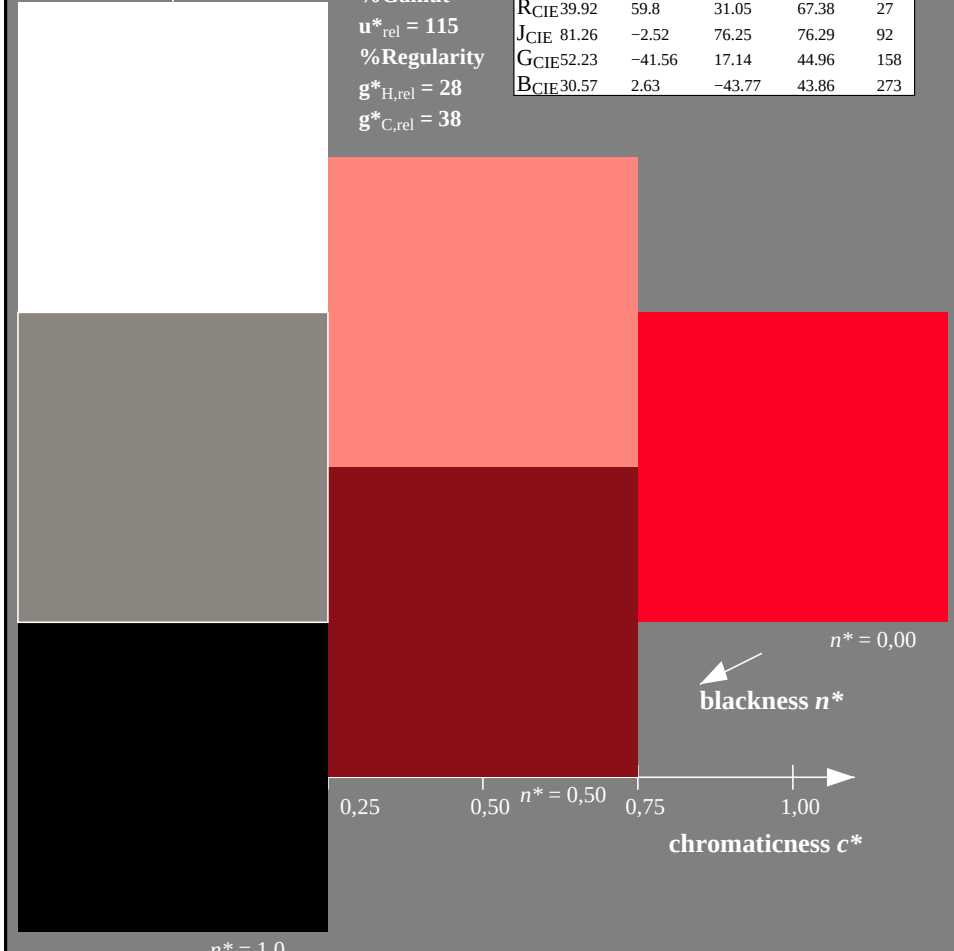
triangle lightness *t**



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

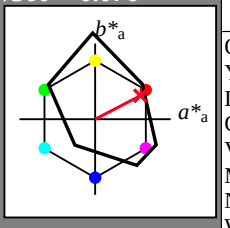
%Gamut
u*$_{rel}$ = 115
%Regularity
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38



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**



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

%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**	0.0	0.0	0.0 (1.0)
*cmyn3**	1.0	1.0	1.0 (0.0)
olvi3'*	0.0	0.0	0.0 (1.0)
cmyn3'*	1.0	1.0	1.0 (0.0)

***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	0.579 (1.0)
*cmyn3**	0.0	0.5	0.421 (0.0)
olvi3'*	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	b99r

***relative* Inform. Technology (IT)**

*olvi3**	0.5	0.0	0.079 (1.0)
*cmyn3**	0.5	1.0	0.921 (0.0)
olvi3'*	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	r00j

***relative* Inform. Technology (IT)**

*olvi3**	1.0	0.0	0.157 (1.0)
*cmyn3**	0.0	1.0	0.843 (0.0)
olvi3'*	1.0	0.0	0.144 (1.0)
cmyn3'*	0.0	1.0	0.856 (0.0)

***standard* and *adapted* CIELAB**

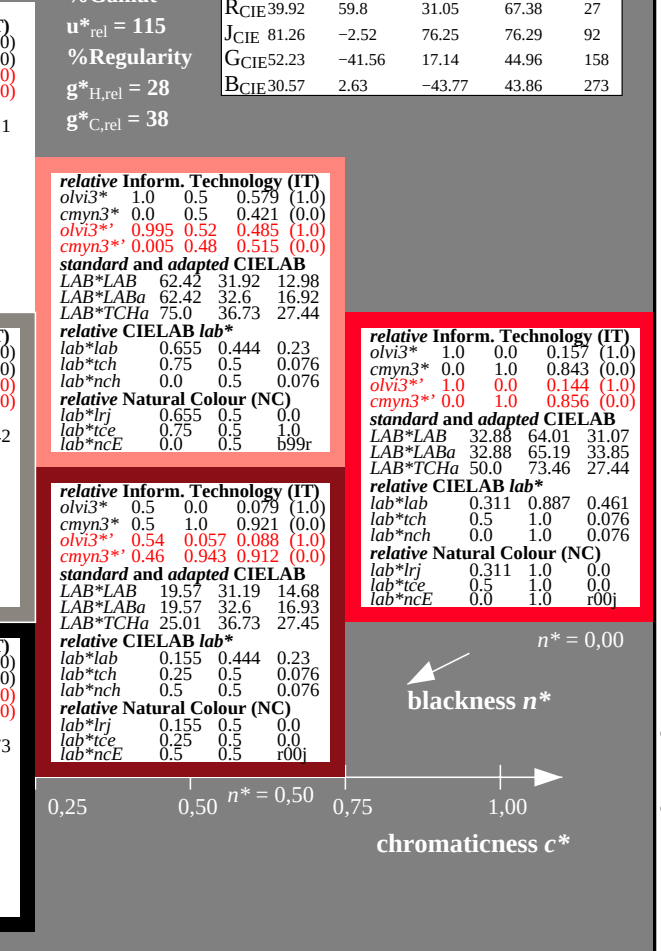
*LAB*LAB*	32.88	64.01	31.07
*LAB*LABa*	32.88	65.19	33.85
*LAB*TCHa*	50.0	73.46	27.44

relative* CIELAB *lab*

*lab*lab*	0.311	0.887	0.461
*lab*tch*	0.5	1.0	0.076
*lab*nch*	0.0	1.0	0.076

***relative* Natural Colour (NC)**

*lab*lrj*	0.311	1.0	0.0
*lab*tce*	0.5	1.0	0.0
*lab*ncE*	0.0	1.0	r00j



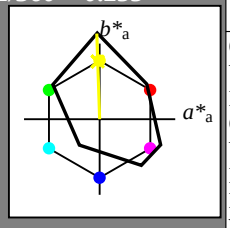
VE200−7, 3 step scales for constant CIELAB hue 27/360 = 0.076 (left)
3 step scales for constant CIELAB hue 27/360 = 0.076 (right)

BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

Input: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 92/360 = 0.255**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 82 113 92
olv*Ma: 0.99 1.0 0.0

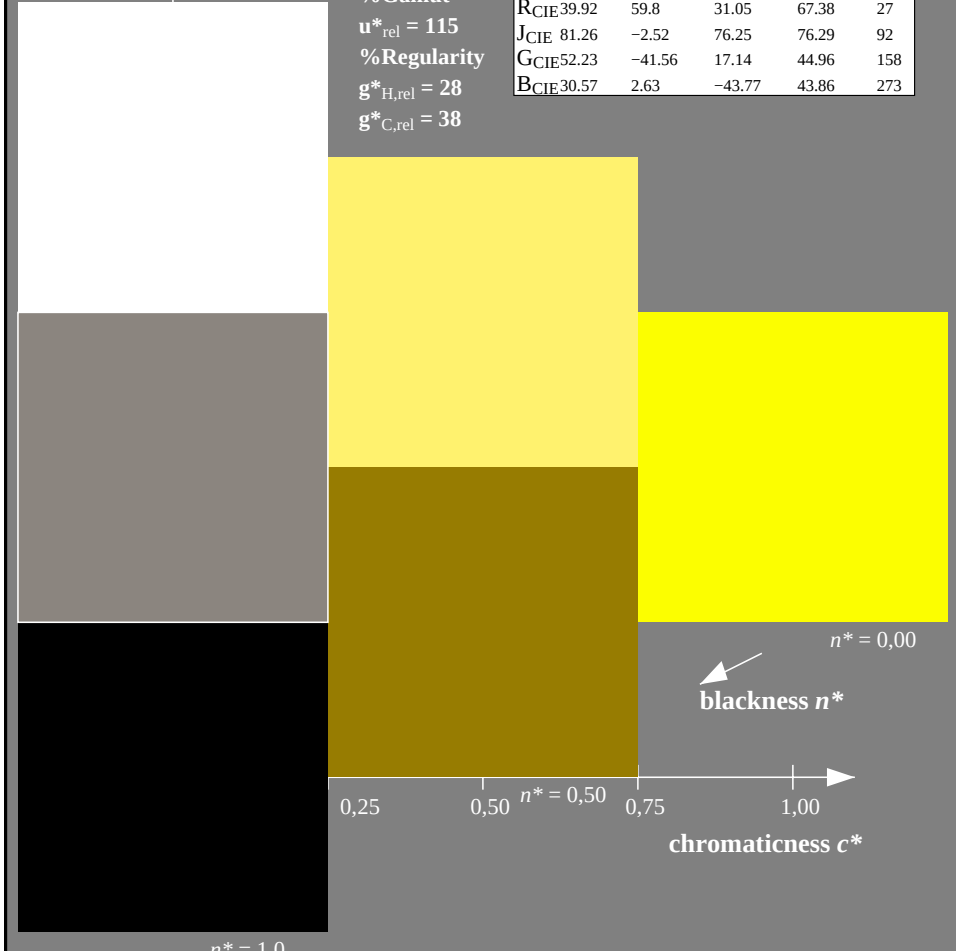
triangle lightness *t**



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

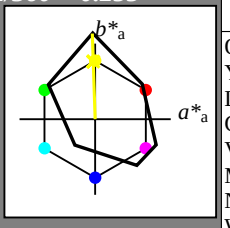
%Gamut
u*rel = 115
%Regularity
g*H,rel = 28
g*C,rel = 38



Output: Colorimetric Printer Reflective System FRS06
for hue *h = *lab*h* = 92/360 = 0.255**
lab*tch* and *lab*nch

D65: hue J
LCH*Ma: 82 113 92
olv*Ma: 0.99 1.0 0.0

triangle lightness *t**



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

%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	–	

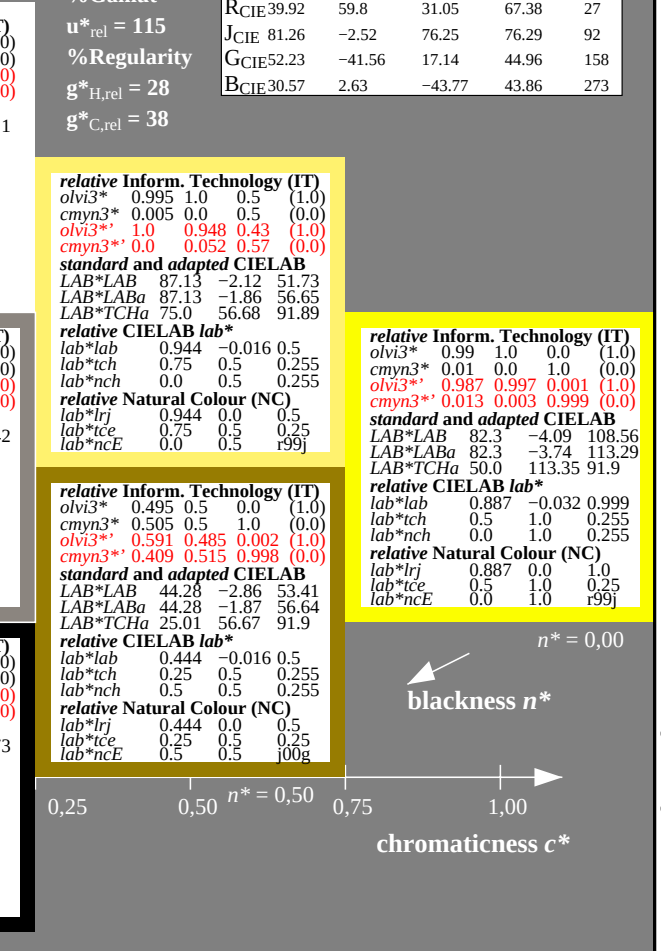
***relative* Inform. Technology (IT)**				
*olvi3**	0.5	0.5	0.5	(1.0)
*cmyn3**	0.5	0.5	0.5	(0.0)
olvi3'*	0.546	0.52	0.498	(1.0)
cmyn3'*	0.454	0.48	0.502	(0.0)
***standard* and *adapted* CIELAB**				
*LAB*LAB*	49.11	−0.89	−3.42	
*LAB*LABa*	49.11	0.0	0.0	
*LAB*TCHa*	50.0	0.01	–	
relative* CIELAB *lab				
*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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)
***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**	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	j00g	

***relative* Inform. Technology (IT)**				
*olvi3**	0.99	1.0	0.0	(1.0)
*cmyn3**	0.01	0.0	1.0	(0.0)
olvi3'*	0.987	0.997	0.001	(1.0)
cmyn3'*	0.013	0.003	0.999	(0.0)
***standard* and *adapted* CIELAB**				
*LAB*LAB*	82.3	−4.09	108.56	
*LAB*LABa*	82.3	−3.74	113.29	
*LAB*TCHa*	50.0	113.35	91.9	
relative* CIELAB *lab				
*lab*lab*	0.887	−0.032	0.999	
*lab*tch*	0.5	1.0	0.255	
*lab*nch*	0.0	1.0	0.255	
***relative* Natural Colour (NC)**				
*lab*lrj*	0.887	0.0	1.0	
*lab*tce*	0.5	1.0	0.25	
*lab*ncE*	0.0	1.0	r99j	



VE200−7, 3 step scales for constant CIELAB hue 92/360 = 0.255 (left)
3 step scales for constant CIELAB hue 92/360 = 0.255 (right)

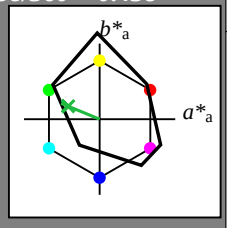
BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues

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

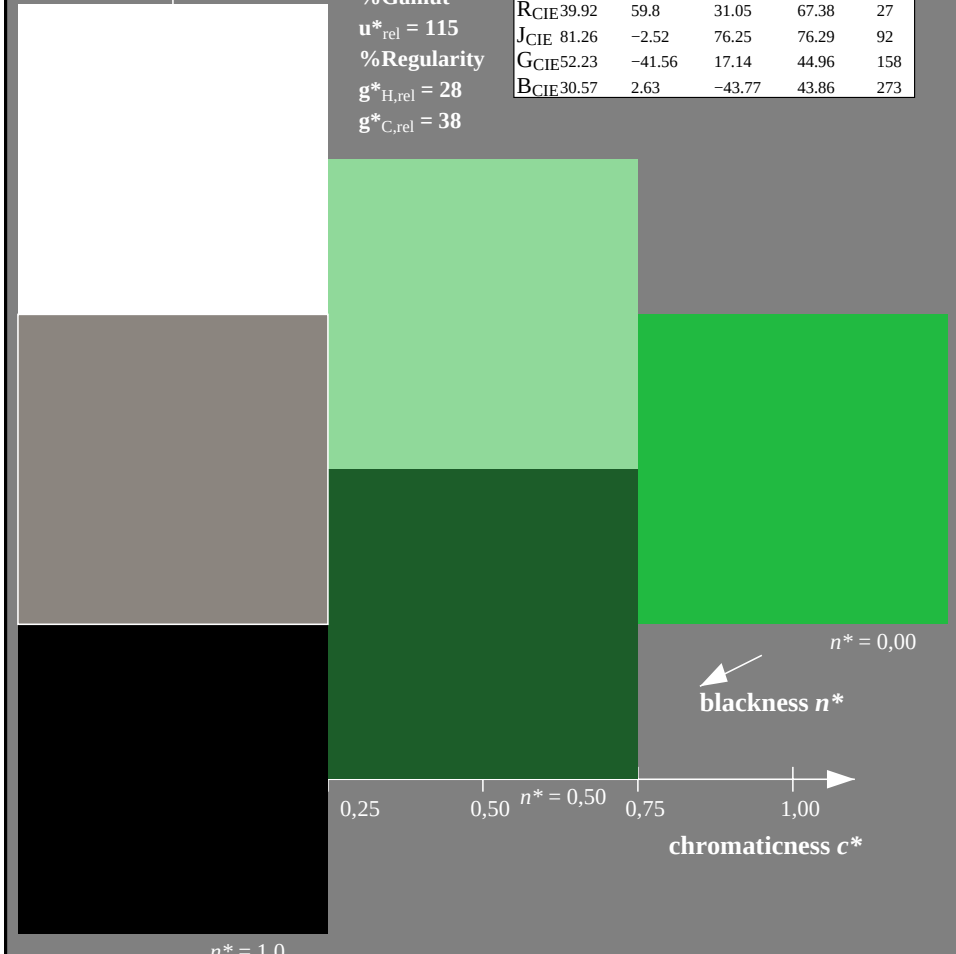
triangle lightness *t**



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

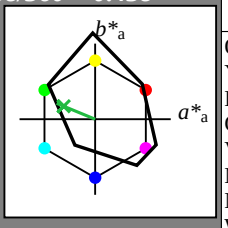
%Gamut
u^*_{rel} = 115
%Regularity
$g^*_{H,rel}$ = 28
$g^*_{C,rel}$ = 38



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**



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

%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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	0.5	1.0	0.655	(1.0)
*cmyn3**	0.5	0.0	0.345	(0.0)
olvi3'*	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)**

*olvi3**	0.0	0.5	0.155	(1.0)
*cmyn3**	1.0	0.5	0.845	(0.0)
olvi3'*	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	j99g

***relative* Inform. Technology (IT)**

*olvi3**	0.0	1.0	0.31	(1.0)
*cmyn3**	1.0	0.0	0.69	(0.0)
olvi3'*	0.13	0.728	0.253	(1.0)
cmyn3'*	0.87	0.272	0.747	(0.0)

***standard* and *adapted* CIELAB**

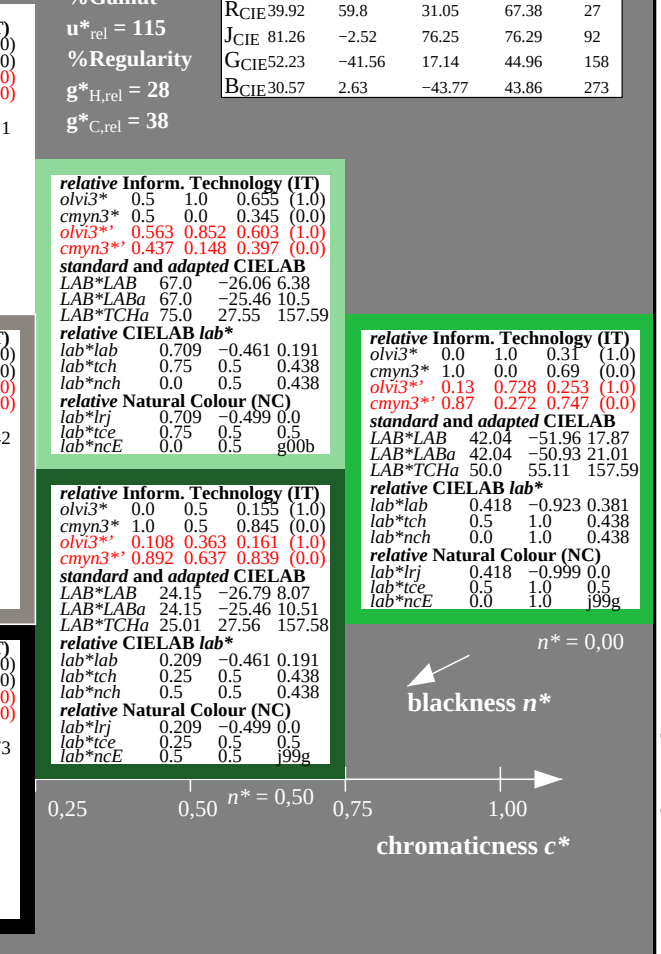
*LAB*LAB*	42.04	−51.96	17.87
*LAB*LABa*	42.04	−50.93	21.01
*LAB*TCHa*	50.0	55.11	157.59

relative* CIELAB *lab*

*lab*lab*	0.418	−0.923	0.381
*lab*tch*	0.5	1.0	0.438
*lab*nch*	0.0	1.0	0.438

***relative* Natural Colour (NC)**

*lab*lrj*	0.418	−0.999	0.0
*lab*tce*	0.5	1.0	0.5
*lab*ncE*	0.0	1.0	j99g



VE200−7, 3 step scales for constant CIELAB hue 158/360 = 0.438 (left)
3 step scales for constant CIELAB hue 158/360 = 0.438 (right)

BAM-test chart VE20; Colorimetric systems FRS06 & FRS06
D65: 3 step colour scales and coordinate data for 10 hues
input: *olv* setrgbcolor*
output: *olv*' (TRI9) setrgbcolor*

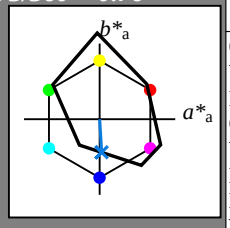
See for similar files: http://www.ps.bam.de/VE20/
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, CIEXYZ

BAM registration: 20060101-VE20/10L/L20E08FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems, Yr=2.5, XYZ
/VE20/ Form: 9/10, Serie: 1/1, Page: 9 Page: count: 1

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

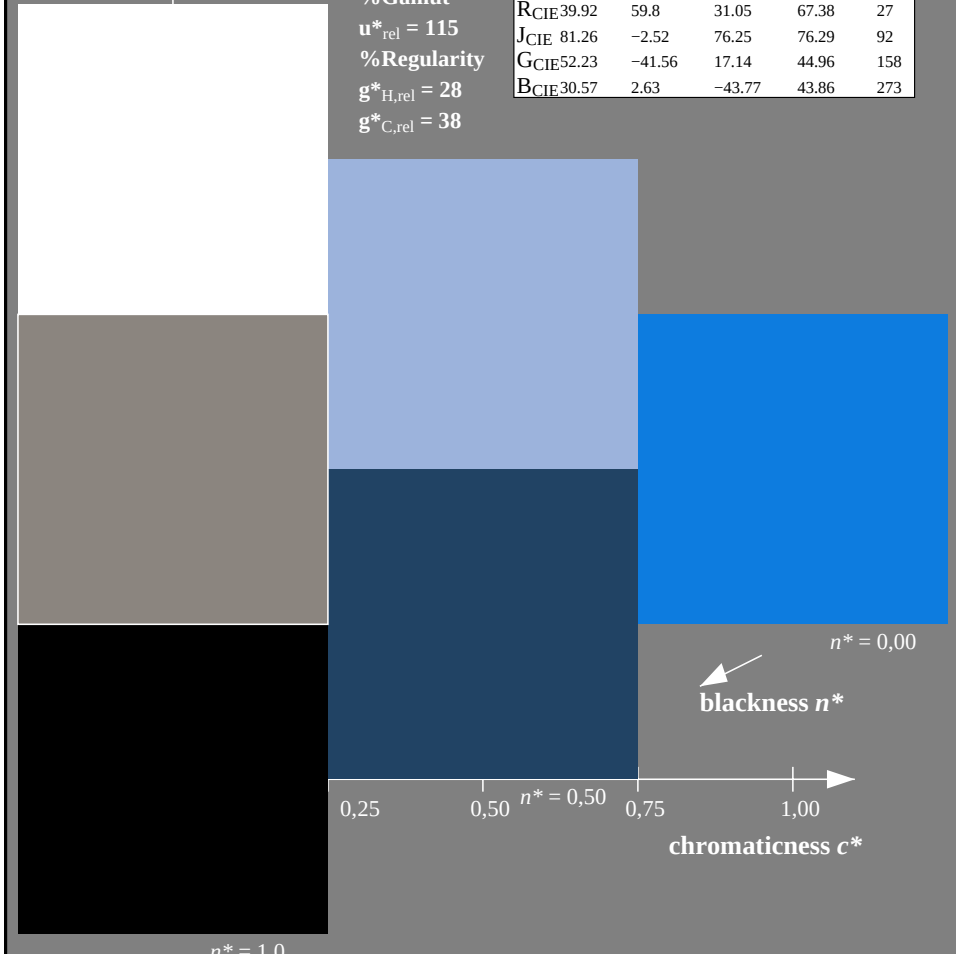
triangle lightness *t**



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

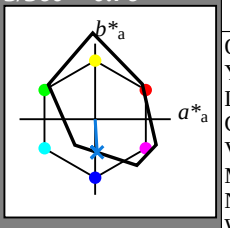
%Gamut
u*$_{rel}$ = 115
%Regularity
g*$_{H,rel}$ = 28
g*$_{C,rel}$ = 38



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**



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

%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**	0.0	0.0	0.0	(1.0)
*cmyn3**	1.0	1.0	1.0	(0.0)
olvi3'*	0.0	0.0	0.0	(1.0)
cmyn3'*	1.0	1.0	1.0	(0.0)

***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**	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**	0.0	0.641	1.0	(1.0)
*cmyn3**	1.0	0.359	0.0	(0.0)
olvi3'*	0.05	0.485	0.874	(1.0)
cmyn3'*	0.95	0.515	0.126	(0.0)

***standard* and *adapted* CIELAB**

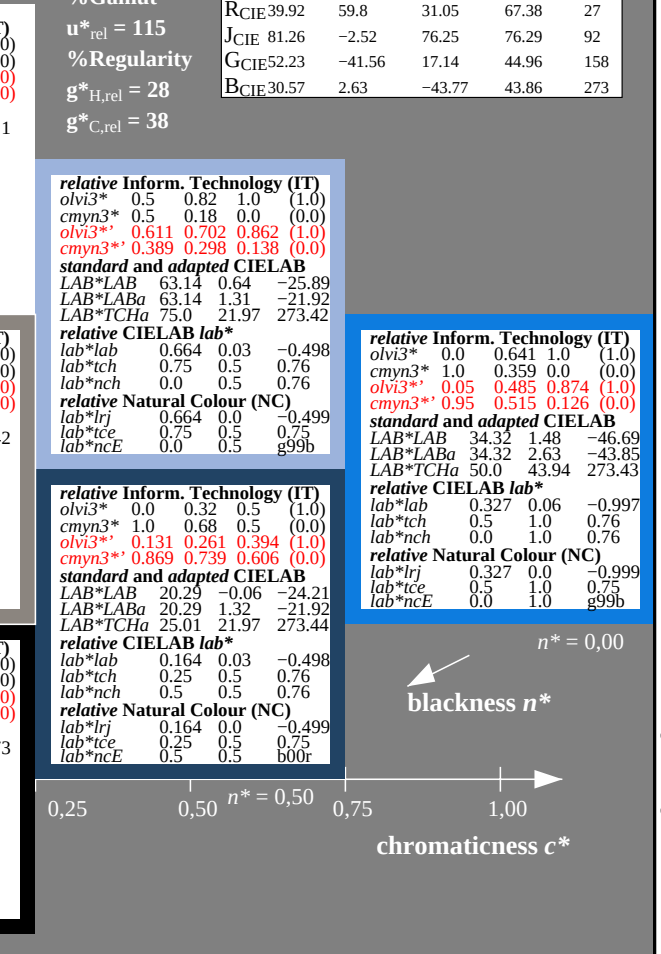
*LAB*LAB*	34.32	1.48	−46.69
*LAB*LABa*	34.32	2.63	−43.85
*LAB*TCHa*	50.0	43.94	273.43

relative* CIELAB *lab*

*lab*lab*	0.327	0.06	−0.997
*lab*tch*	0.5	1.0	0.76
*lab*nch*	0.0	1.0	0.76

***relative* Natural Colour (NC)**

*lab*lrj*	0.327	0.0	−0.999
*lab*tce*	0.5	1.0	0.75
*lab*ncE*	0.0	1.0	g99b



VE200−7, 3 step scales for constant CIELAB hue 273/360 = 0.76 (left)

3 step scales for constant CIELAB hue 273/360 = 0.76 (right)