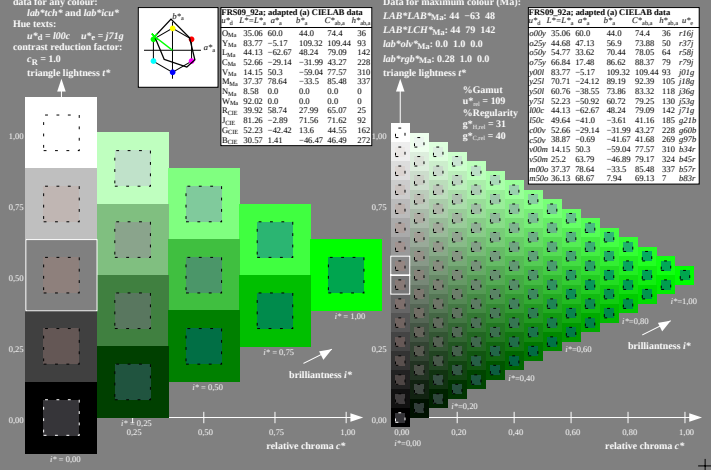
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$ $u^*_d = l00c$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 −63 48
$LAB^*LCH^*_{Ma}$: 44 79 142
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



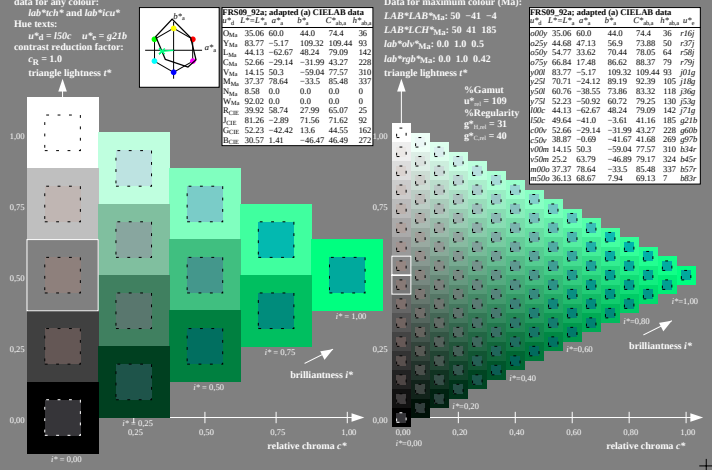
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$ $u^*_d = l50c$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −41 −4
$LAB^*LCH^*_{Ma}$: 50 41 185
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



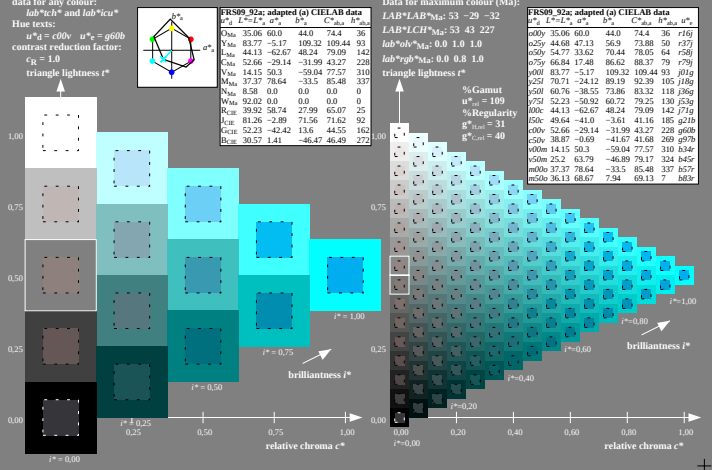
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$ $u^*_d = c00v$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −29 −32
$LAB^*LCH^*_{Ma}$: 53 43 227
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



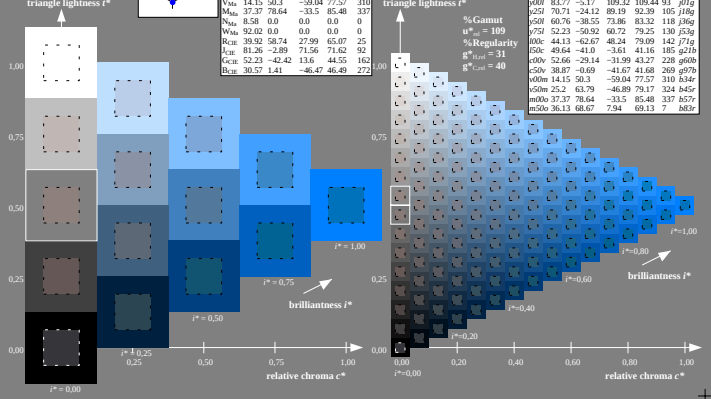
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ $u^*_d = c50v$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 −1 −42
$LAB^*LCH^*_{Ma}$: 39 42 269
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



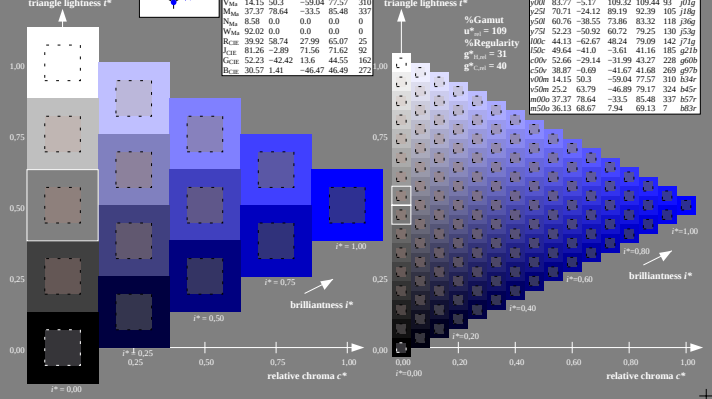
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ $u^*_d = v00m$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 14 50 −59
$LAB^*LCH^*_{Ma}$: 14 78 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



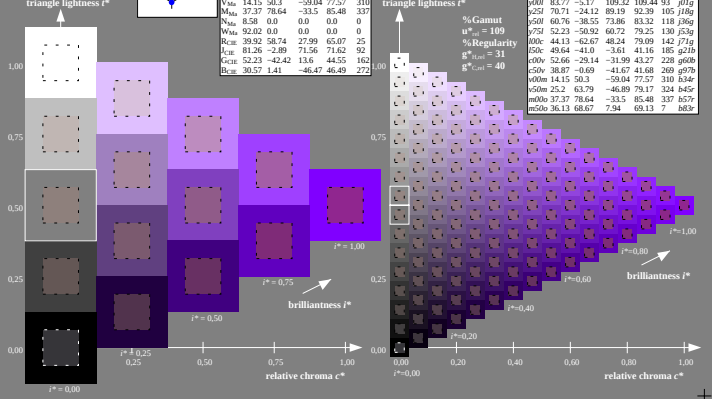
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ $u^*_d = v50m$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 25 64 −47
$LAB^*LCH^*_{Ma}$: 25 79 323
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



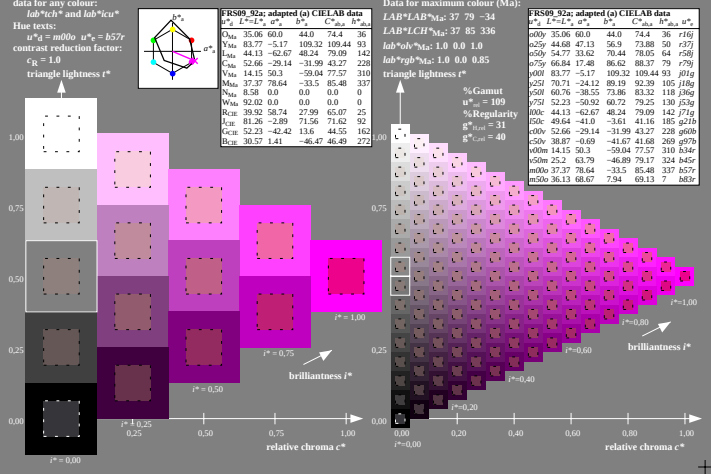
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ $u^*_d = m00o$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 79 −34
$LAB^*LCH^*_{Ma}$: 37 85 336
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*



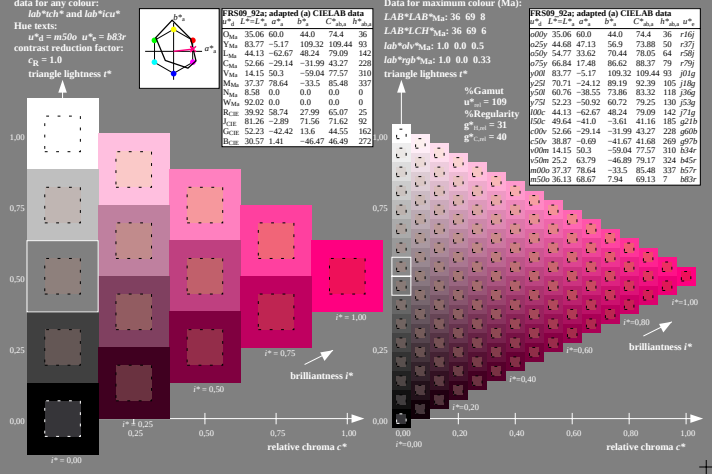
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$ $u^*_d = m50o$

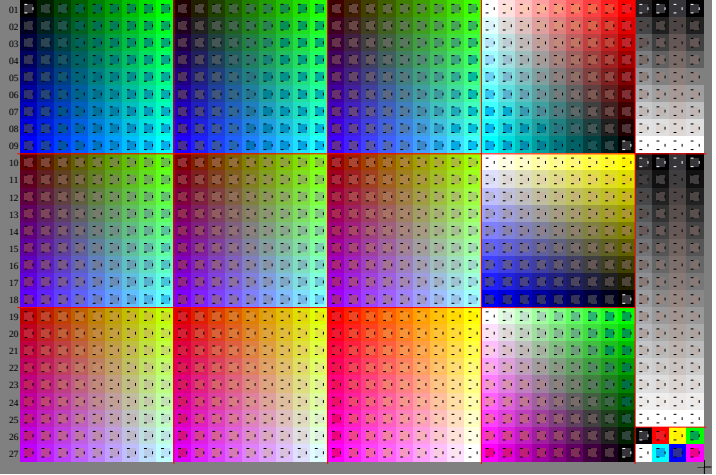
data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data						
u^*_d	$L^*_{Ma}L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
o00y	35.06	60.0	44.0	74.4	36	*r16j*
o25y	44.68	47.13	56.9	73.88	50	*r37j*
o50y	54.77	33.62	70.44	78.05	64	*r58j*
o75y	66.84	17.48	86.62	88.37	79	*r79j*
y00l	83.77	−5.17	109.32	109.44	93	*j01g*
y25l	70.71	−24.12	89.19	92.39	105	*j18g*
y50l	60.76	−38.55	73.86	83.32	118	*j36g*
y75l	52.23	−50.92	60.72	79.25	130	*j53g*
l00c	44.13	−62.67	48.24	79.09	142	*j71g*
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*
v00m	14.15	50.3	−59.04	77.57	310	*b34r*
v50m	25.2	63.79	−46.89	79.17	324	*b45r*
m00o	37.37	78.64	−33.5	85.48	337	*b57r*
m50o	36.13	68.67	7.94	69.13	7	*b83r*

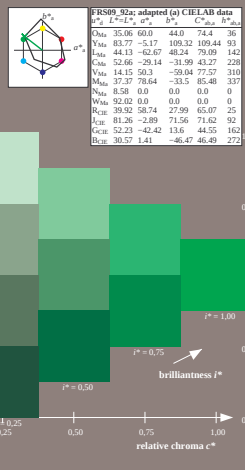


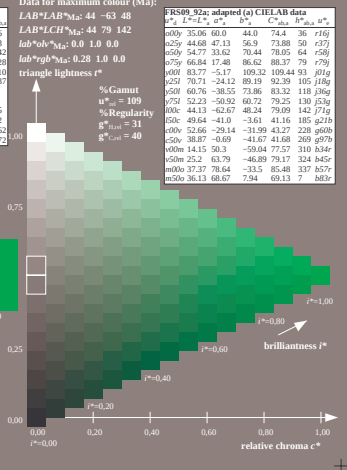


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$ $u^*_d = l00c$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 44 −63 48
$LAB^*LCH^*_{Ma}$: 44 79 142
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$ $u^*_d = l50c$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 50 −41 −4
$LAB^*LCH^*_{Ma}$: 50 41 185
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$ $u^*_d = c00v$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 53 −29 −32
$LAB^*LCH^*_{Ma}$: 53 43 227
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ $u^*_d = c50v$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 39 −1 −42
$LAB^*LCH^*_{Ma}$: 39 42 269
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ $u^*_d = v00m$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 14 50 −59
$LAB^*LCH^*_{Ma}$: 14 78 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness t^*

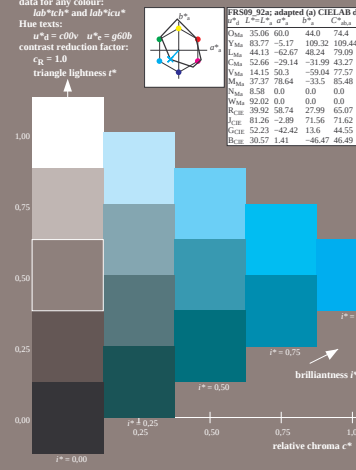
FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

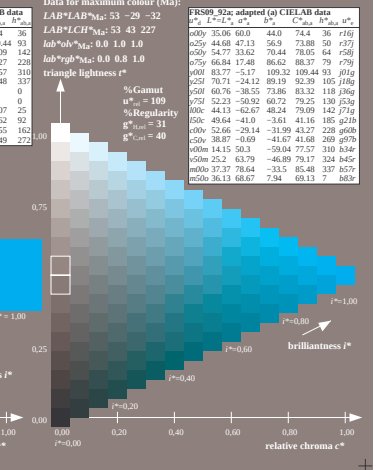
FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ $u^*_d = v50m$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 25 64 −47
$LAB^*LCH^*_{Ma}$: 25 79 323
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ $u^*_d = m00o$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 37 79 −34
$LAB^*LCH^*_{Ma}$: 37 85 336
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	j01g
L^*_{Ma}	44.13	−62.67	48.24	79.09	142		
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228		
V_{Ma}	14.15	50.3	−59.04	77.57	310		
M_{Ma}	37.37	78.64	−33.5	85.48	337		
N_{Ma}	8.58	0.0	0.0	0.0	0		
W_{Ma}	92.02	0.0	0.0	0.0	0		
R^*_{CIE}	39.92	58.74	27.99	65.07	25		
I^*_{CIE}	81.26	−2.89	71.56	71.62	92		
C^*_{CIE}	52.23	−42.42	13.6	44.55	162		
B^*_{CIE}	30.57	1.41	−46.47	46.49	272		

FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$	u^*_e
$o_{00}y$	35.06	60.0	44.0	74.4	36	r16j	
$o_{25}y$	44.68	47.13	56.9	73.88	50	r37j	
$o_{50}y$	54.77	33.62	70.44	78.05	64	r58j	
$o_{75}y$	66.84	17.48	86.62	88.37	79	r79j	
$y_{00}t$	83.77	−5.17	109.32	109.44	93	j01g	
$y_{25}t$	70.71	−24.12	89.19	92.39	105	j18g	
$y_{50}t$	60.76	−38.55	73.86	83.32	118	j36g	
$y_{75}t$	52.23	−50.92	60.72	79.25	130	j53g	
$l_{00}c$	44.13	−62.67	48.24	79.09	142	j71g	
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	g21b	
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	g60b	
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	g97b	
$v_{00}m$	14.15	50.3	−59.04	77.57	310	b34r	
$v_{50}m$	25.2	63.79	−46.89	79.17	324	b45r	
$m_{00}o$	37.37	78.64	−33.5	85.48	337	b57r	
$m_{50}o$	36.13	68.67	7.94	69.13	7	b83r	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$ $u^*_d = m50o$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

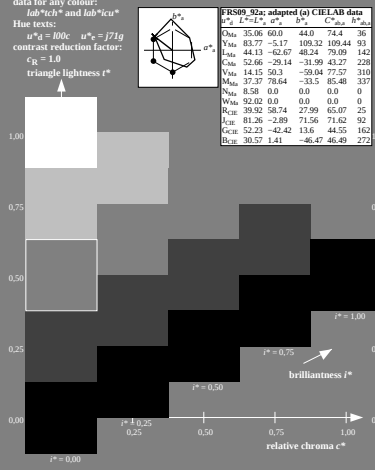
Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*

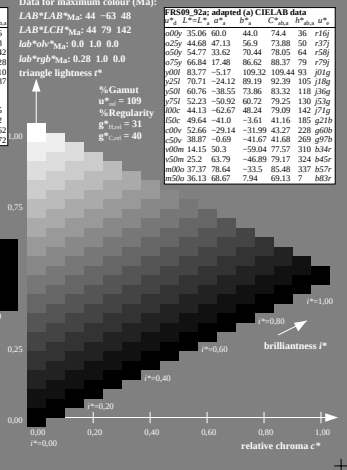
FRS09_92a; adapted (a) CIELAB data	L^*_{ch}	L^*_{cl}	a^*_{ch}	b^*_{ch}	$C^*_{ab,h}$	$h^*_{ab,h}$
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
$Y_{

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$ $u^*_d = l00c$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 −63 48
$LAB^*LCH^*_{Ma}$: 44 79 142
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

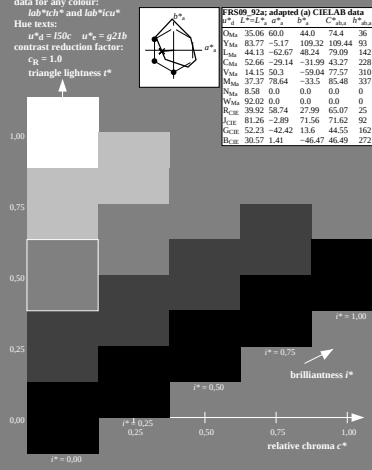
FRS09_92a; adapted (a) CIELAB data

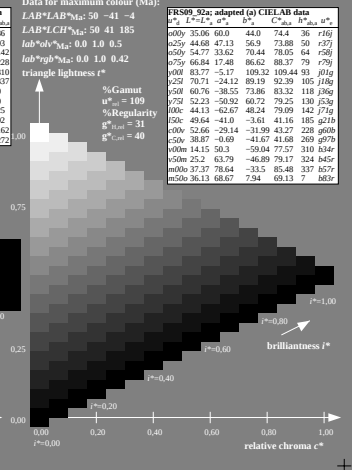
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$ $u^*_d = l50c$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −41 −4
$LAB^*LCH^*_{Ma}$: 50 41 185
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

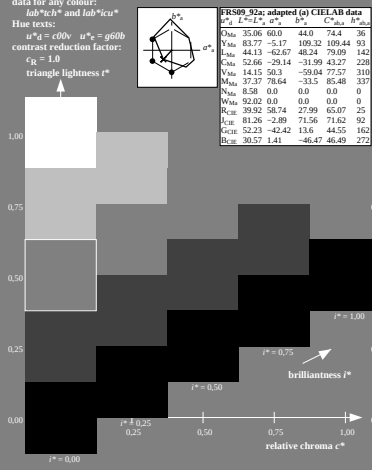
FRS09_92a; adapted (a) CIELAB data

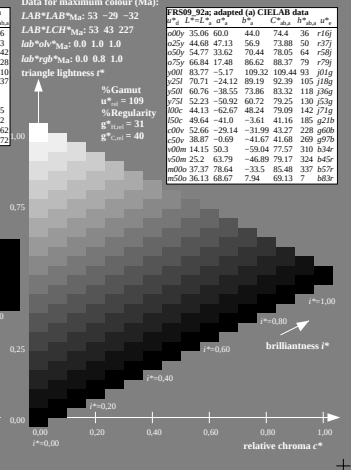
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$ $u^*_d = c00v$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −29 −32
$LAB^*LCH^*_{Ma}$: 53 43 227
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

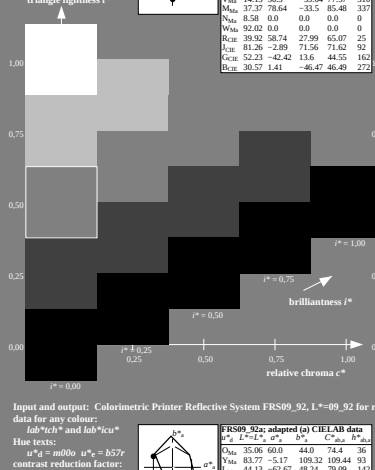
FRS09_92a; adapted (a) CIELAB data

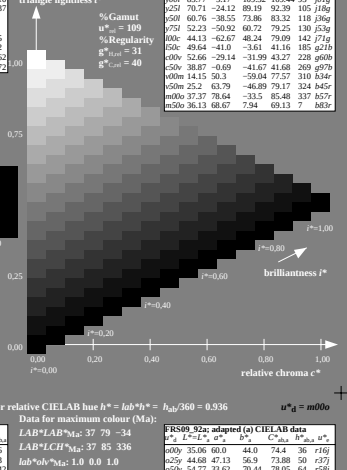
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ $u^*_d = c50v$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 −1 −42
$LAB^*LCH^*_{Ma}$: 39 42 269
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

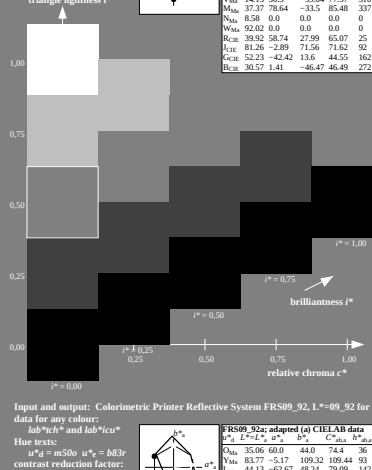
FRS09_92a; adapted (a) CIELAB data

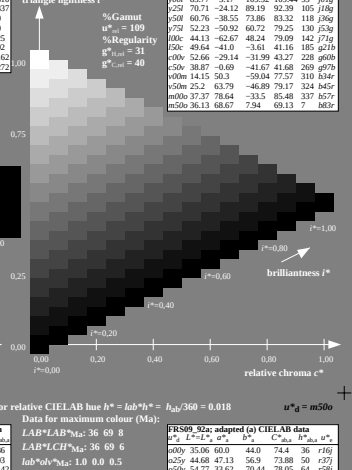
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ $u^*_d = v00m$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 14 50 −59
$LAB^*LCH^*_{Ma}$: 14 78 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

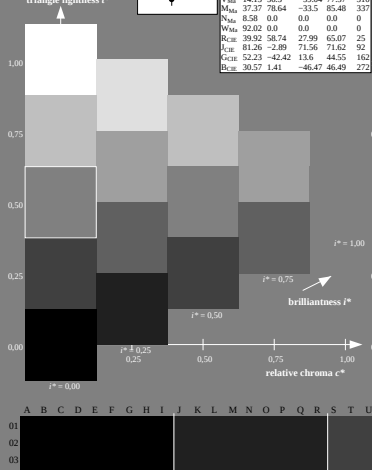
FRS09_92a; adapted (a) CIELAB data

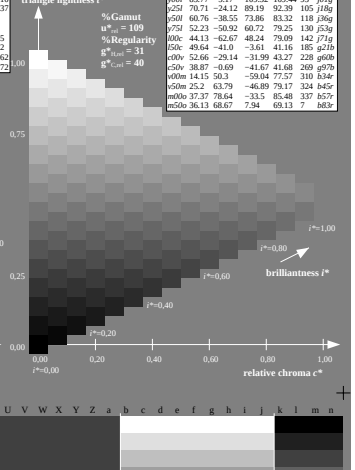
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ $u^*_d = v50m$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 25 64 −47
$LAB^*LCH^*_{Ma}$: 25 79 323
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

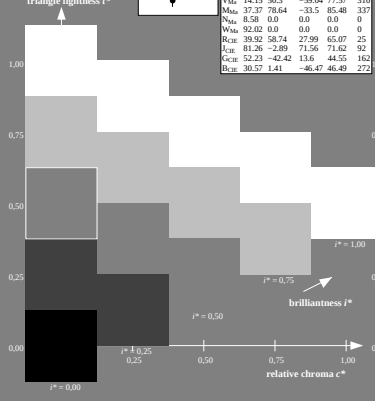
FRS09_92a; adapted (a) CIELAB data

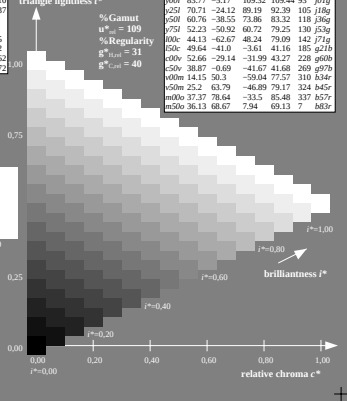
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ $u^*_d = m00o$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 79 −34
$LAB^*LCH^*_{Ma}$: 37 85 336
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

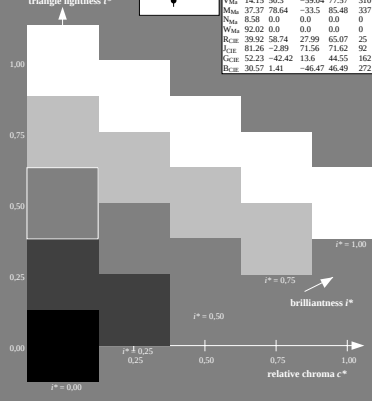
FRS09_92a; adapted (a) CIELAB data

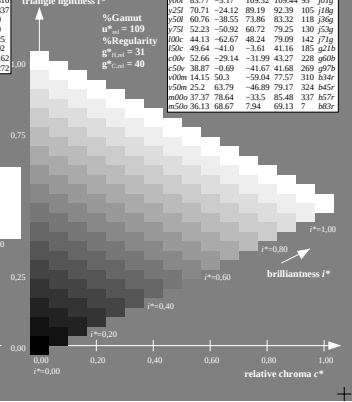
$o_{00}y$	35.06	60.0	44.0	74.4	36	*r16j*
$o_{25}y$	44.68	47.13	56.9	73.88	50	*r37j*
$o_{50}y$	54.77	33.62	70.44	78.05	64	*r58j*
$o_{75}y$	66.84	17.48	86.62	88.37	79	*r79j*
$y_{00}l$	83.77	−5.17	109.32	109.44	93	*j01g*
$y_{25}l$	70.71	−24.12	89.19	92.39	105	*j18g*
$y_{50}l$	60.76	−38.55	73.86	83.32	118	*j36g*
$y_{75}l$	52.23	−50.92	60.72	79.25	130	*j53g*
$l_{00}c$	44.13	−62.67	48.24	79.09	142	*j71g*
$l_{50}c$	49.64	−41.0	−3.61	41.16	185	*g21b*
$c_{00}v$	52.66	−29.14	−31.99	43.27	228	*g60b*
$c_{50}v$	38.87	−0.69	−41.67	41.68	269	*g97b*
$v_{00}m$	14.15	50.3	−59.04	77.57	310	*b34r*
$v_{50}m$	25.2	63.79	−46.89	79.17	324	*b45r*
$m_{00}o$	37.37	78.64	−33.5	85.48	337	*b57r*
$m_{50}o$	36.13	68.67	7.94	69.13	7	*b83r*

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$ $u^*_d = m50o$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_d	L^*_{CIE}	a^*_d	b^*_d	$C^*_{ab,d}$	$h^*_{ab,d}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
I_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

FRS09_

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$ $u^*_d = l00c$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

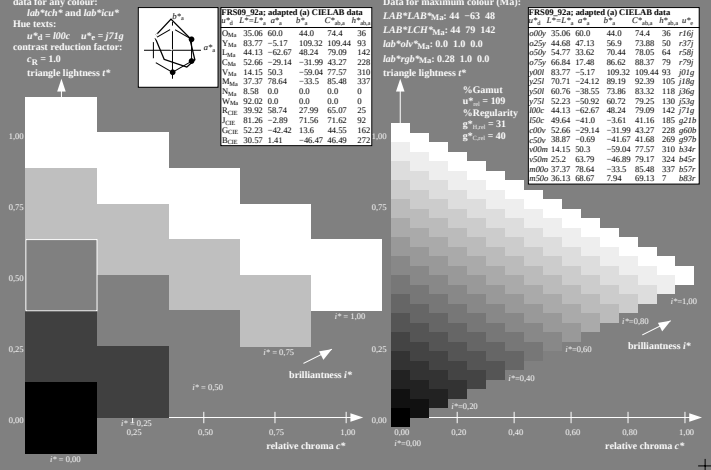
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 −63 48
$LAB^*LCH^*_{Ma}$: 44 79 142
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$ $u^*_d = l50c$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

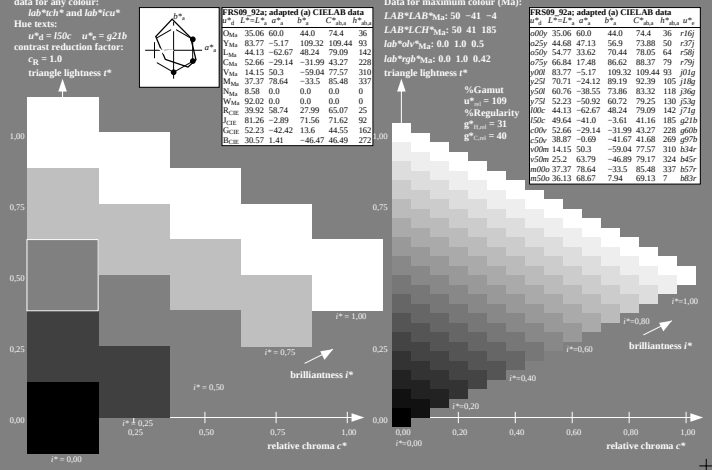
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −41 −4
$LAB^*LCH^*_{Ma}$: 50 41 185
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$ $u^*_d = c00v$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

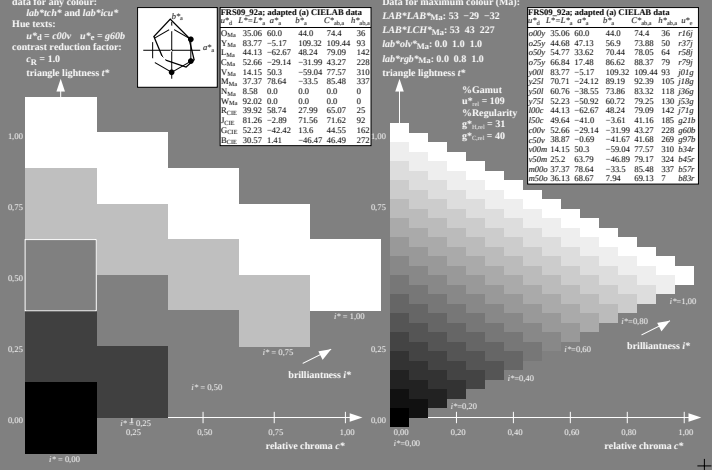
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −29 −32
$LAB^*LCH^*_{Ma}$: 53 43 227
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ $u^*_d = c50v$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

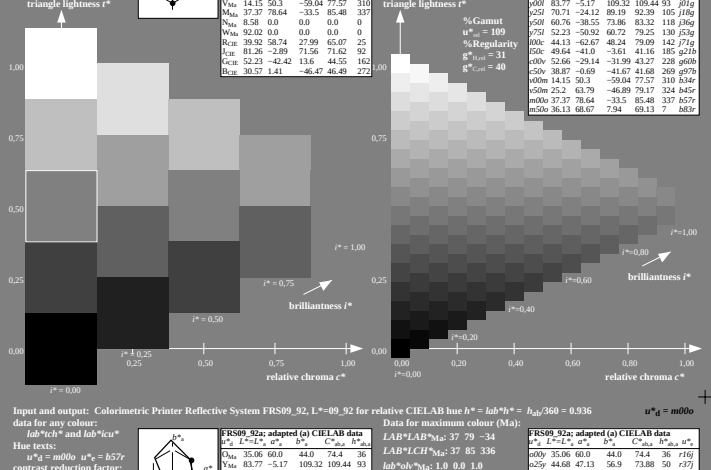
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 −1 −42
$LAB^*LCH^*_{Ma}$: 39 42 269
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ $u^*_d = v00m$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

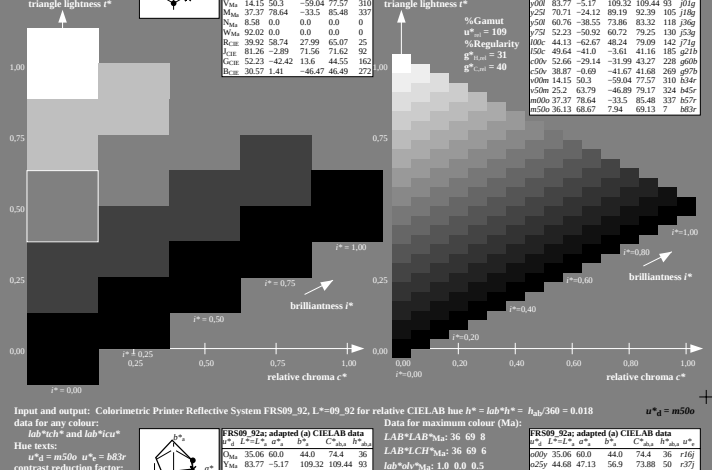
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 14 50 −59
$LAB^*LCH^*_{Ma}$: 14 78 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ $u^*_d = v50m$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

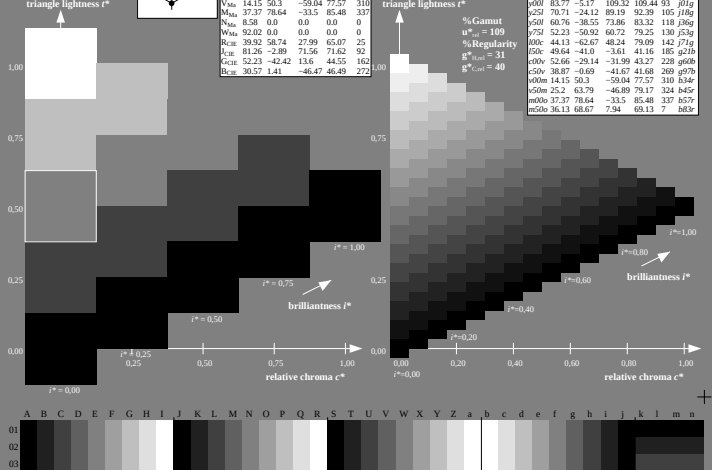
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 25 64 −47
$LAB^*LCH^*_{Ma}$: 25 79 323
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ $u^*_d = m00o$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

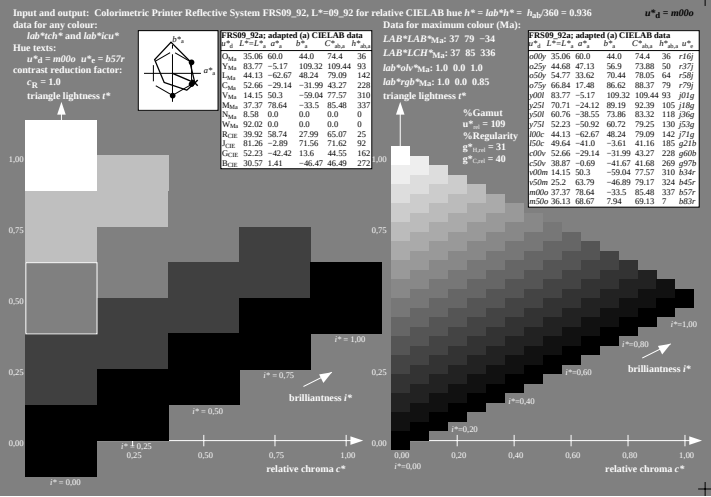
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 79 −34
$LAB^*LCH^*_{Ma}$: 37 85 336
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$ $u^*_d = m50o$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

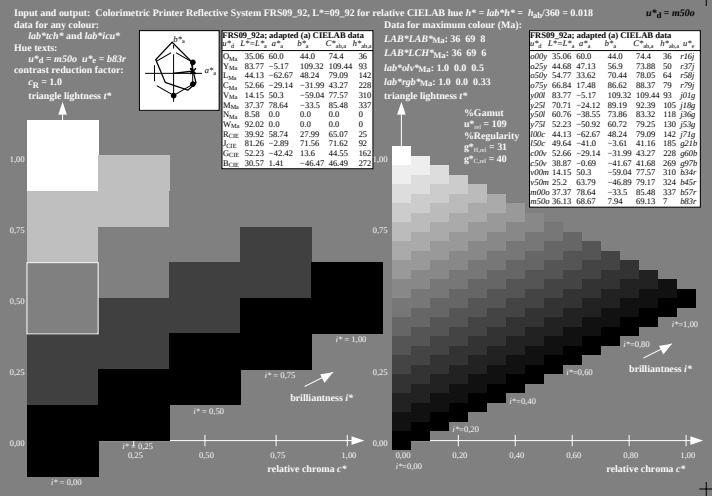
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*

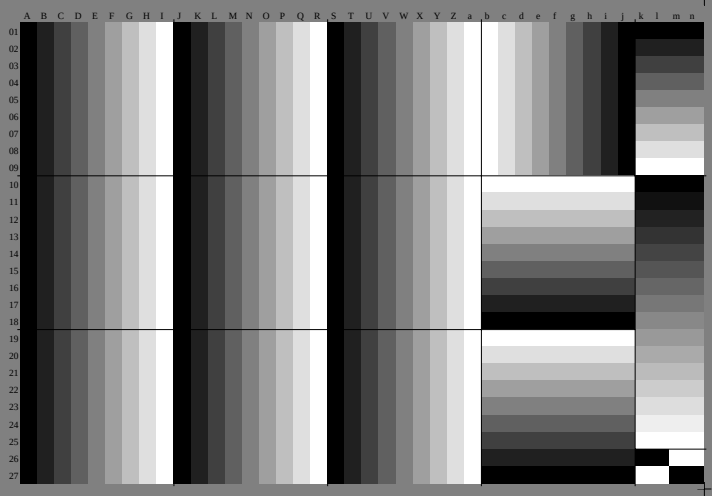
FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C^*_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R^*_{CIE}	39.92	58.74	27.99	65.07	25	
I^*_{CIE}	81.26	−2.89	71.56	71.62	92	
C^*_{CIE}	52.23	−42.42	13.6	44.55	162	
B^*_{CIE}	30.57	1.41	−46.47	46.49	272	

FRS09_92a; adapted (a) CIELAB data

	L^{*a}_{ab}	L^{*a}_{ab}	a^*_{ab}	b^*_{ab}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
o00y	35.06	60.0	44.0	74.4	36	*r16j*	
o25y	44.68	47.13	56.9	73.88	50	*r37j*	
o50y	54.77	33.62	70.44	78.05	64	*r58j*	
o75y	66.84	17.48	86.62	88.37	79	*r79j*	
y00l	83.77	−5.17	109.32	109.44	93	*j01g*	
y25l	70.71	−24.12	89.19	92.39	105	*j18g*	
y50l	60.76	−38.55	73.86	83.32	118	*j36g*	
y75l	52.23	−50.92	60.72	79.25	130	*j53g*	
l00c	44.13	−62.67	48.24	79.09	142	*j71g*	
l50c	49.64	−41.0	−3.61	41.16	185	*g21b*	
c00v	52.66	−29.14	−31.99	43.27	228	*g60b*	
c50v	38.87	−0.69	−41.67	41.68	269	*g97b*	
v00m	14.15	50.3	−59.04	77.57	310	*b34r*	
v50m	25.2	63.79	−46.89	79.17	324	*b45r*	
m00o	37.37	78.64	−33.5	85.48	337	*b57r*	
m50o	36.13	68.67	7.94	69.13	7	*b83r*	





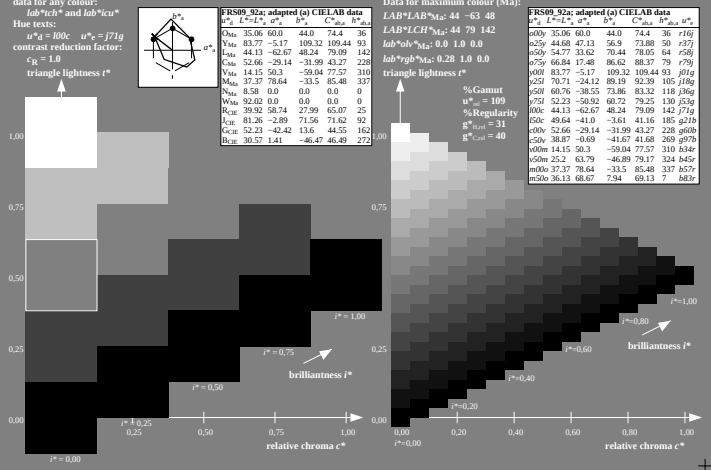
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$ $u^*_d = l00c$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 −63 48
$LAB^*LCH^*_{Ma}$: 44 79 142
$lab^*olv^*_{Ma}$: 0.0 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



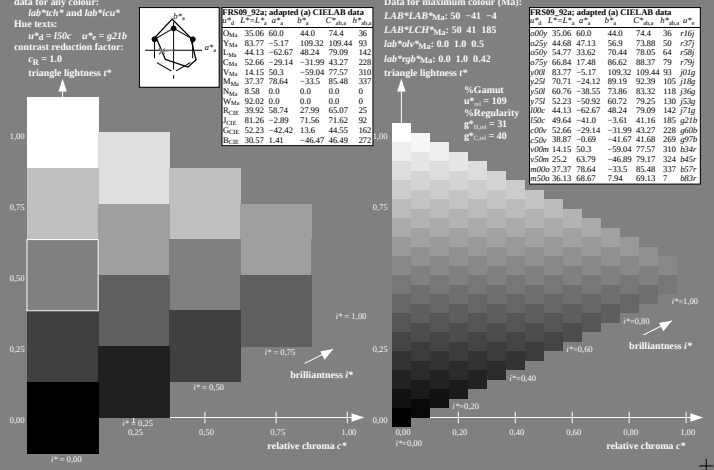
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$ $u^*_d = l50c$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −41 −4
$LAB^*LCH^*_{Ma}$: 50 41 185
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



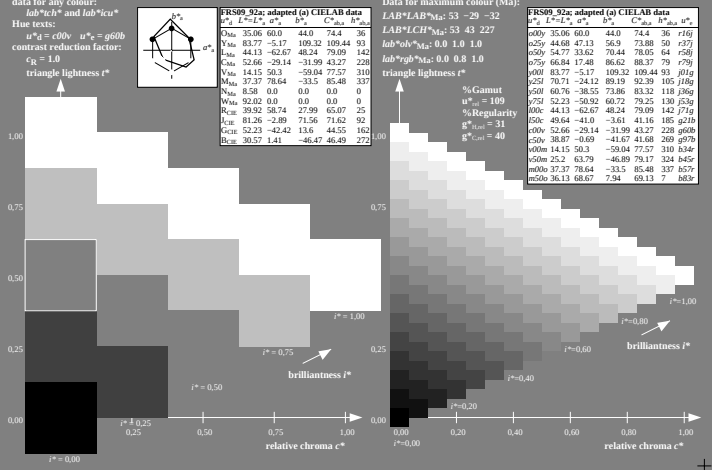
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$ $u^*_d = c00v$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −29 −32
$LAB^*LCH^*_{Ma}$: 53 43 227
$lab^*olv^*_{Ma}$: 0.0 1.0 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



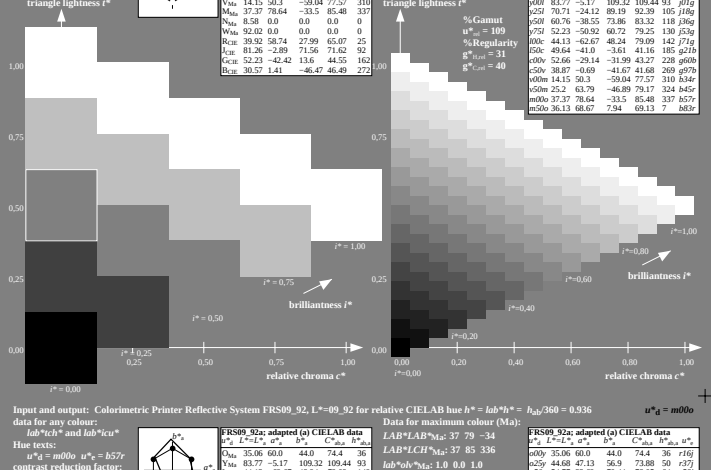
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ $u^*_d = c50v$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 −1 −42
$LAB^*LCH^*_{Ma}$: 39 42 269
$lab^*olv^*_{Ma}$: 0.0 0.5 1.0
$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



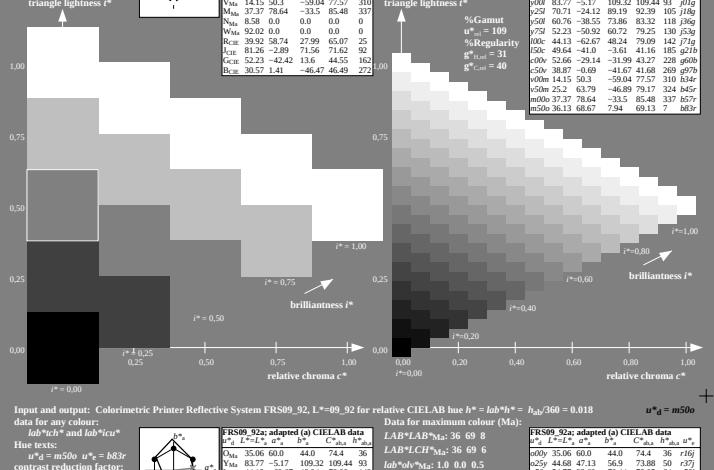
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ $u^*_d = v00m$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 14 50 −59
$LAB^*LCH^*_{Ma}$: 14 78 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



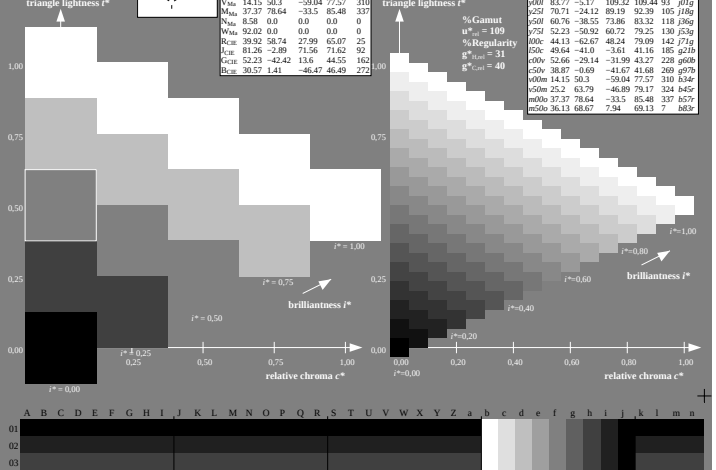
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ $u^*_d = v50m$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 25 64 −47
$LAB^*LCH^*_{Ma}$: 25 79 323
$lab^*olv^*_{Ma}$: 0.5 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



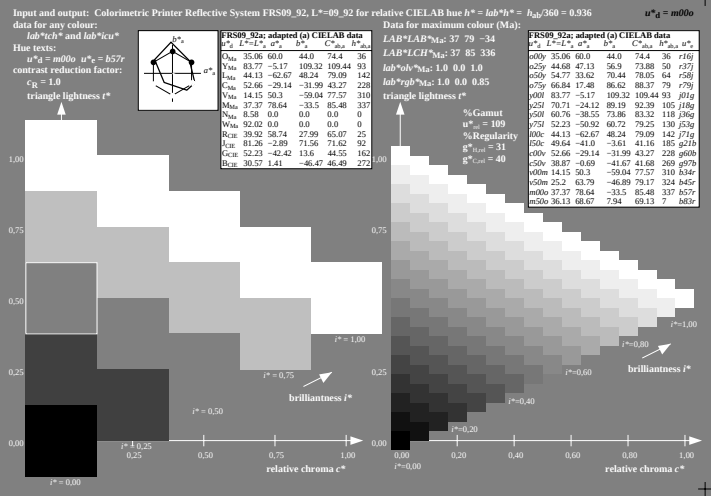
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ $u^*_d = m00o$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 37 79 −34
$LAB^*LCH^*_{Ma}$: 37 85 336
$lab^*olv^*_{Ma}$: 1.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

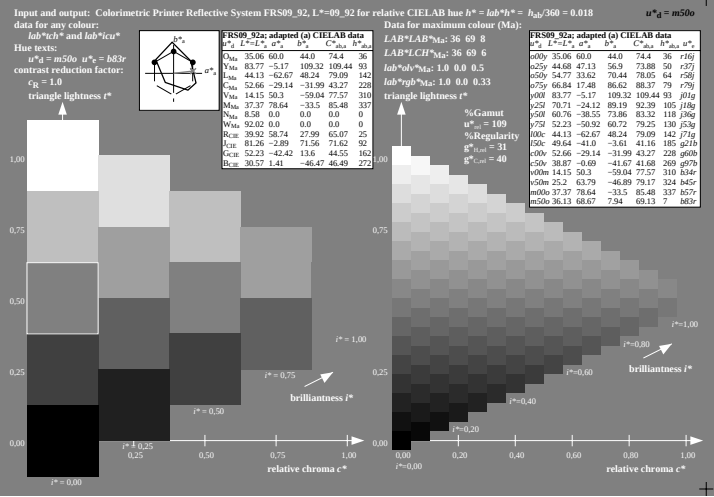
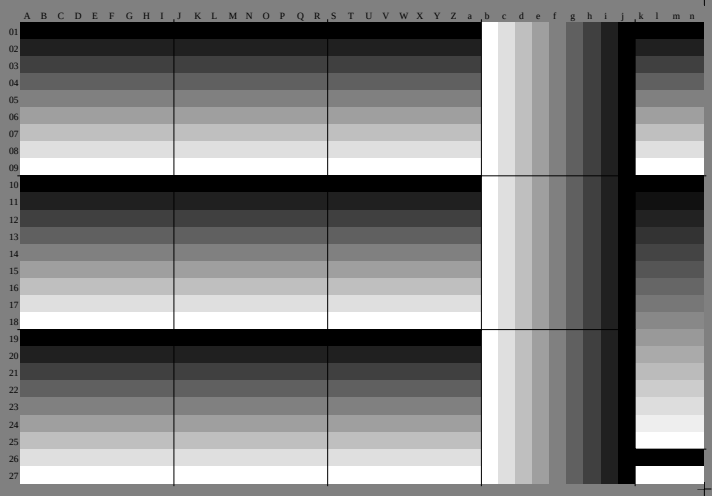
FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$ $u^*_d = m50o$

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*

%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	35.06	60.0	44.0	74.4	36	r16j
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
I_{CIE}	81.26	−2.89	71.56	71.62	92	
C_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	
e00y	35.06	60.0	44.0	74.4	36	r16j
o25y	44.68	47.13	56.9	73.88	50	r37j
o50y	54.77	33.62	70.44	78.05	64	r58j
o75y	66.84	17.48	86.62	88.37	79	r79j
y00f	83.77	−5.17	109.32	109.44	93	j01g
y25f	70.71	−24.12	89.19	92.39	105	j18g
y50f	60.76	−38.55	73.86	83.32	118	j36g
y75f	52.23	−50.92	60.72	79.25	130	j53g
l00c	44.13	−62.67	48.24	79.09	142	j71g
l50c	49.64	−41.0	−3.61	41.16	185	g21b
c00v	52.66	−29.14	−31.99	43.27	228	g60b
c50v	38.87	−0.69	−41.67	41.68	269	g97b
v00m	14.15	50.3	−59.04	77.57	310	b34r
v50m	25.2	63.79	−46.89	79.17	324	b45r
m00o	37.37	78.64	−33.5	85.48	337	b57r
m50o	36.13	68.67	7.94	69.13	7	b83r