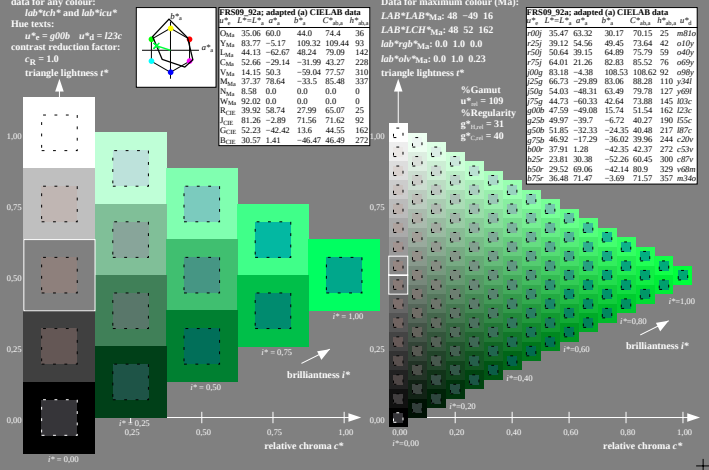
Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_\varepsilon = g00b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g00b$ $u^*_d = f23c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 −49 16
$LAB^*LCH^*_{Ma}$: 48 52 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.23
triangle lightness t^*



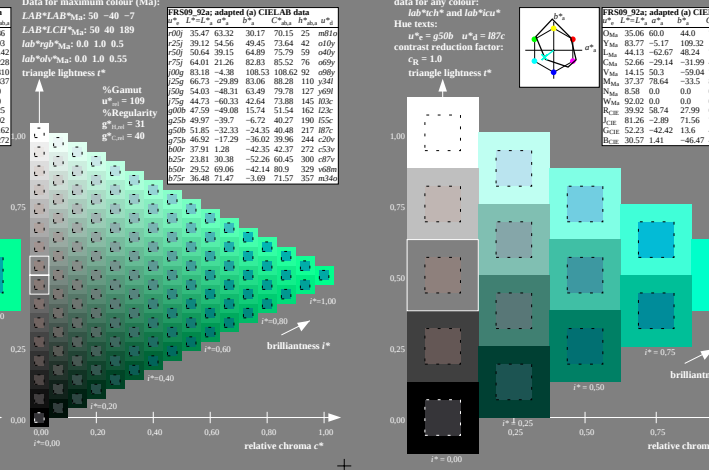
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_\varepsilon = g25b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g25b$ $u^*_d = f55c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −40 −7
$LAB^*LCH^*_{Ma}$: 50 40 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*



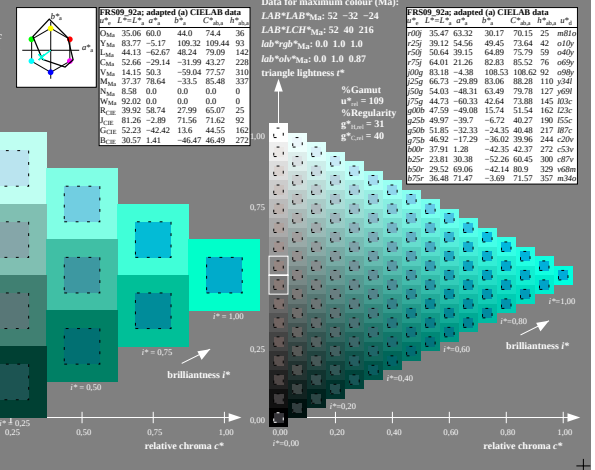
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_\varepsilon = g50b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g50b$ $u^*_d = l87c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 52 −32 −24
$LAB^*LCH^*_{Ma}$: 52 40 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*



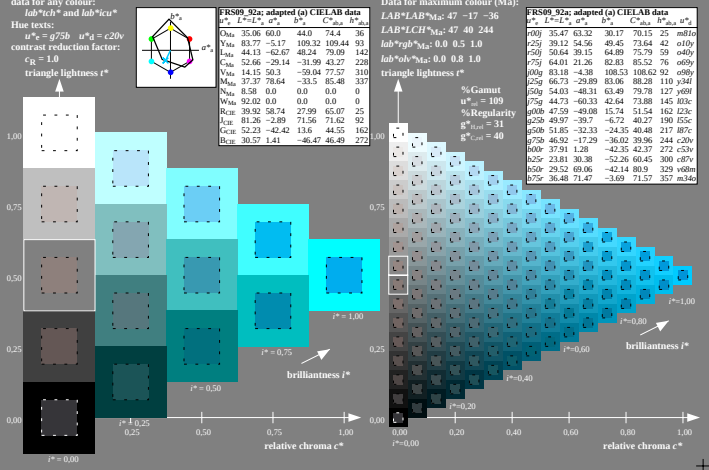
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_\varepsilon = g75b$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = g75b$ $u^*_d = c20v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 −17 −36
$LAB^*LCH^*_{Ma}$: 47 40 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*



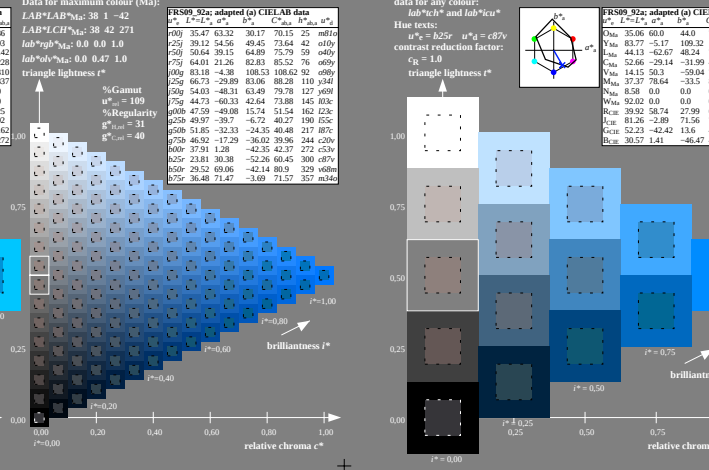
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_\varepsilon = b00r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b00r$ $u^*_d = c53v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 1 −42
$LAB^*LCH^*_{Ma}$: 38 42 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.47 1.0
triangle lightness t^*



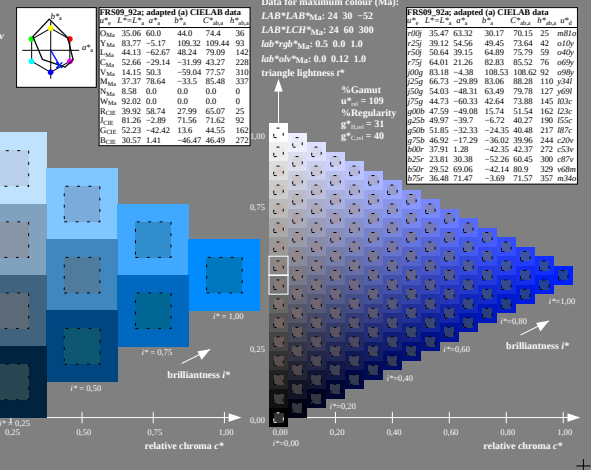
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_\varepsilon = b25r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b25r$ $u^*_d = c87v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 24 30 −52
$LAB^*LCH^*_{Ma}$: 24 60 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.12 1.0
triangle lightness t^*



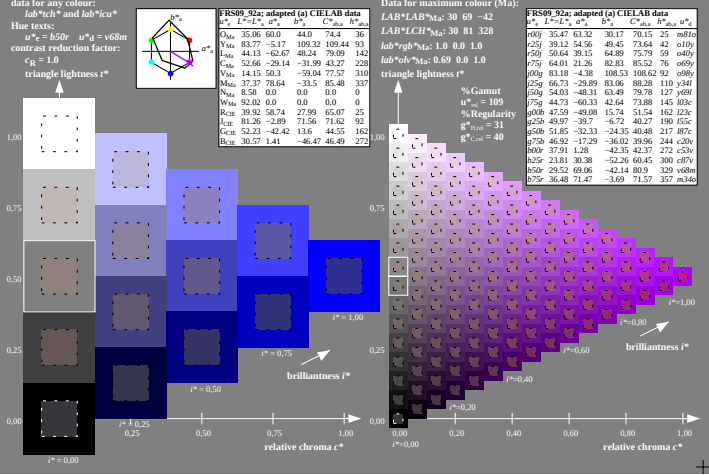
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_\varepsilon = b50r$

data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b50r$ $u^*_d = v68m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 69 −42
$LAB^*LCH^*_{Ma}$: 30 81 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.69 0.0 1.0
triangle lightness t^*



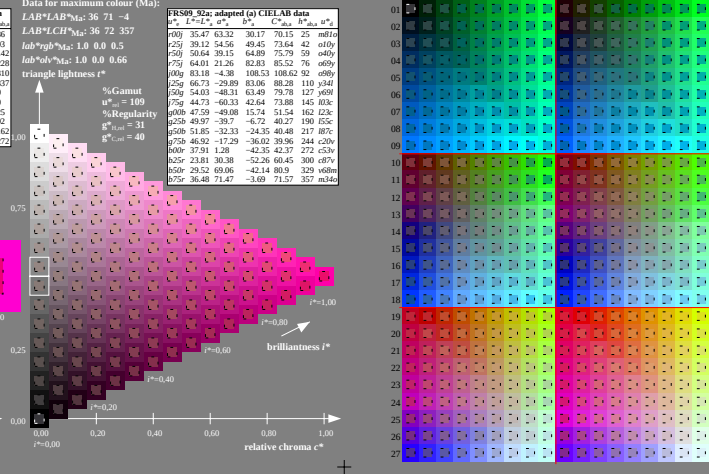
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
O_{Ma}	35.06	60.0	44.0	74.4	36	
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
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	
J_{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^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_\varepsilon = b75r$

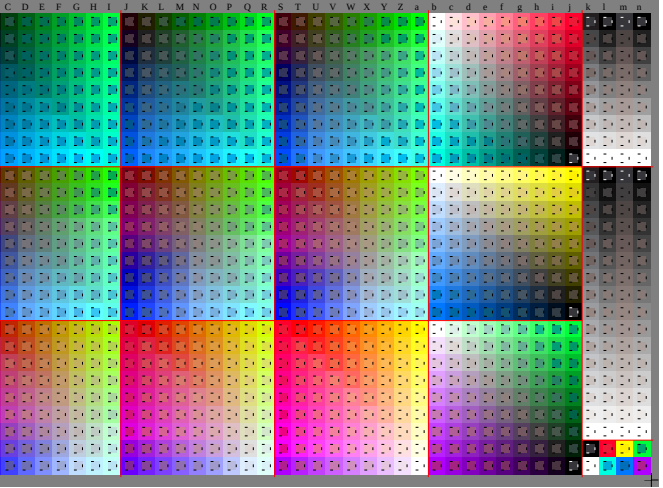
data for any colour:
*lab*ich** and *lab*icu**
Hue texts:
$u^*_\varepsilon = b75r$ $u^*_d = m34o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$
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	
J_{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	

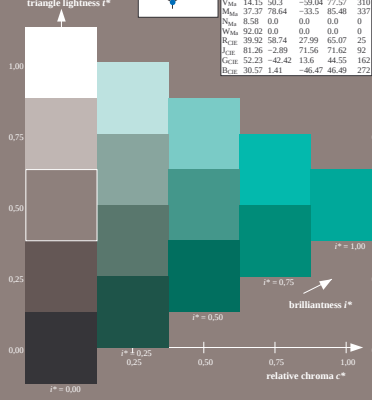
FRS09_92a; adapted (a) CIELAB data	u^*_ε	$L^*=L^*_\varepsilon$	a^*_ε	b^*_ε	$C^*_{ab,\varepsilon}$	$h^*_{ab,\varepsilon}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81c	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o60y	
y00j	83.18	−4.38	108.53	108.62	92	o98y	
y25g	66.73	−29.89	83.06	88.28	110	y34f	
y50g	54.03	−48.31	63.49	79.78	127	y69f	
y75g	44.73	−60.33	42.64	73.88	145	l03c	
g00b	47.59	−49.08	15.74	51.54	162	l23c	
g25b	49.97	−39.7	−6.72	40.27	190	l55c	
g50b	51.85	−32.33	−24.35	40.48	217	l87c	
g75b	46.92	−17.29	−36.02	39.96	244	c20v	
b00r	37.91	1.28	−42.35	42.37	272	c53v	
b25r	23.81	30.38	−52.26	60.45	300	c87v	
b50r	29.52	69.06	−42.14	80.9	329	v68m	
b75r	36.48	71.47	−3.69	71.57	357	m34o	

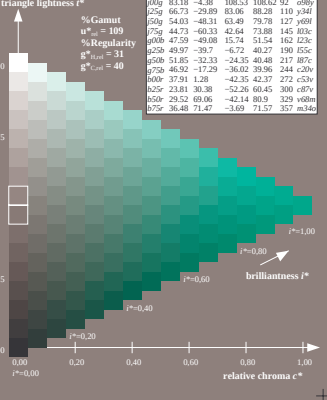


Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_e = g00b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g00b$ $u^*_d = f23c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 −49 16
$LAB^*LCH^*_{Ma}$: 48 52 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.23
triangle lightness t^*





FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_e = g25b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g25b$ $u^*_d = f55c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −40 −7
$LAB^*LCH^*_{Ma}$: 50 40 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_e = g50b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 52 −32 −24
$LAB^*LCH^*_{Ma}$: 52 40 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_e = g75b$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 −17 −36
$LAB^*LCH^*_{Ma}$: 47 40 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_e = b00r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 1 −42
$LAB^*LCH^*_{Ma}$: 38 42 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.47 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_e = b25r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 24 30 −52
$LAB^*LCH^*_{Ma}$: 24 60 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.12 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_e = b50r$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 69 −42
$LAB^*LCH^*_{Ma}$: 30 81 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.69 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_e = b75r$

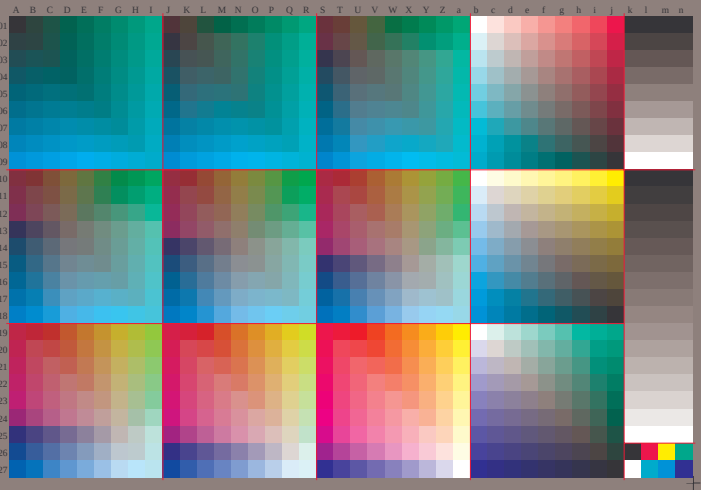
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

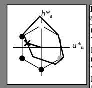
u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	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
C_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

u^*_e	L^*_{CIE}	a^*_e	b^*_e	C^*_{abe}	h^*_{abe}	u^*_d
r00	35.47	63.32	30.17	70.15	25	m81c
r25y	39.12	54.56	49.45	73.64	42	o10y
r50y	50.64	39.15	64.89	75.79	59	o40y
r75y	64.01	21.26	82.83	85.52	76	o60y
y00g	83.18	−4.38	108.53	108.62	92	o98y
y25g	66.73	−29.89	83.06	88.28	110	y34l
y50g	54.03	−48.31	63.49	79.78	127	y69l
y75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ **$u^*_e = g00b$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

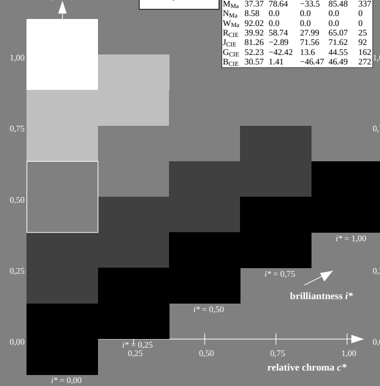
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

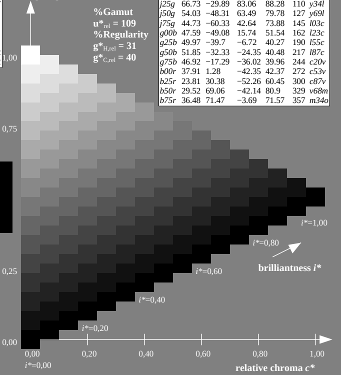
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −49 16
*LAB*LCH**$_{Ma}$: 48 52 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.23
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

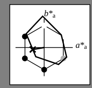
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ **$u^*_e = g25b$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

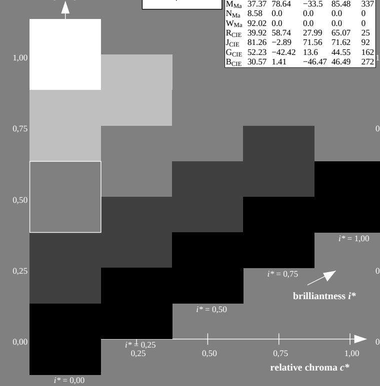
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

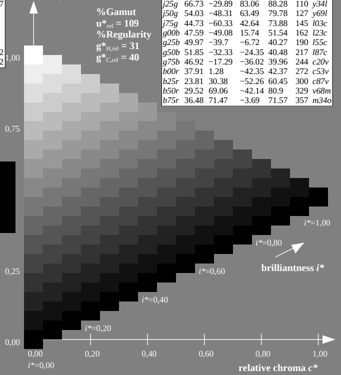
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 50 −40 −7
*LAB*LCH**$_{Ma}$: 50 40 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

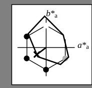
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ **$u^*_e = g50b$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

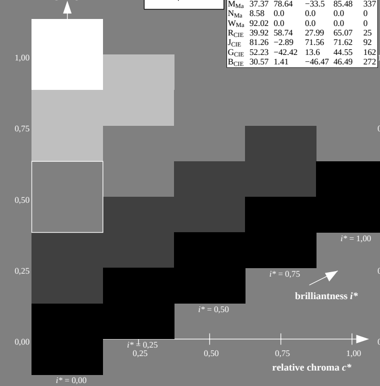
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

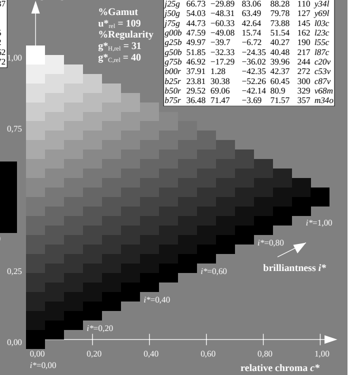
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 52 −32 −24
*LAB*LCH**$_{Ma}$: 52 40 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

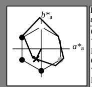
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ **$u^*_e = g75b$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

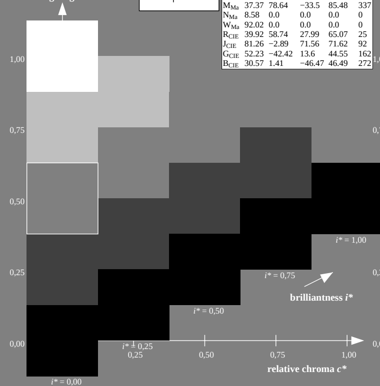
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

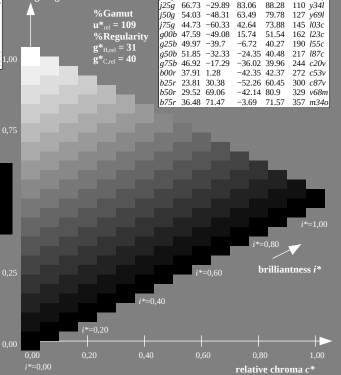
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −17 −36
*LAB*LCH**$_{Ma}$: 47 40 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

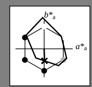
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ **$u^*_e = b00r$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

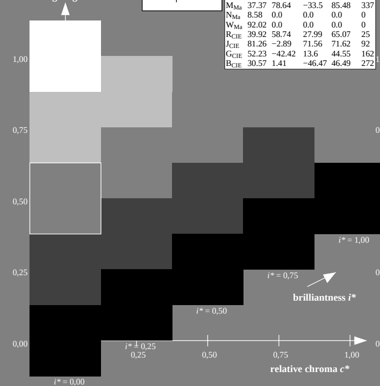
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

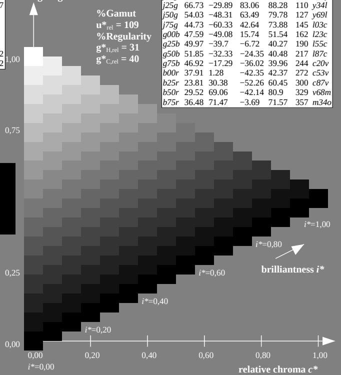
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 1 −42
*LAB*LCH**$_{Ma}$: 38 42 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.47 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

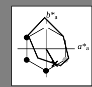
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ **$u^*_e = b25r$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

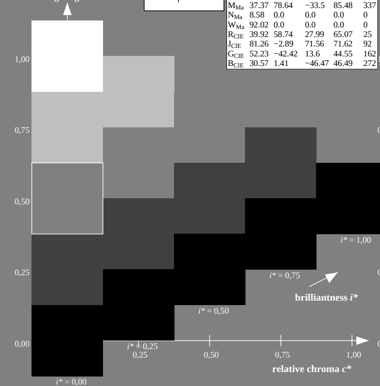
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

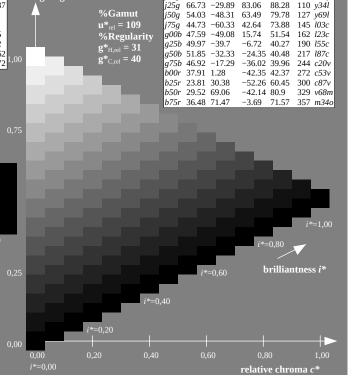
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 24 30 −52
*LAB*LCH**$_{Ma}$: 24 60 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.12 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

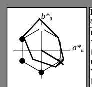
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ **$u^*_e = b50r$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

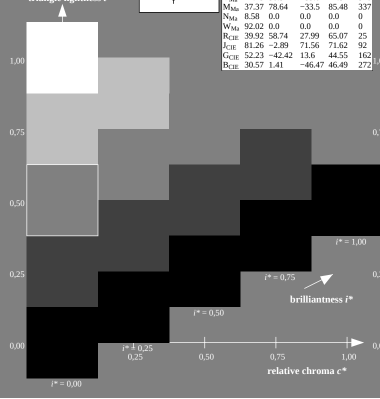
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

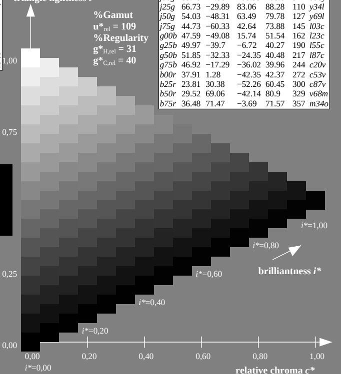
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 69 −42
*LAB*LCH**$_{Ma}$: 30 81 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.69 0.0 1.0
triangle lightness t^*

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

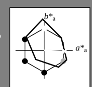
%Gamut
$u^*_{rel} = 109$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ **$u^*_e = b75r$**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
$u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

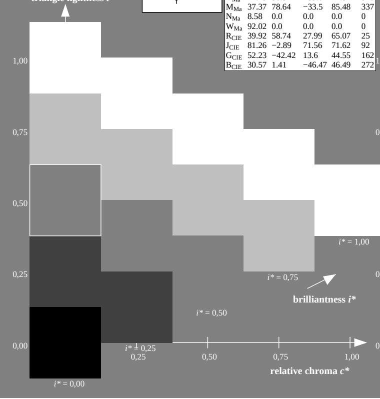
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

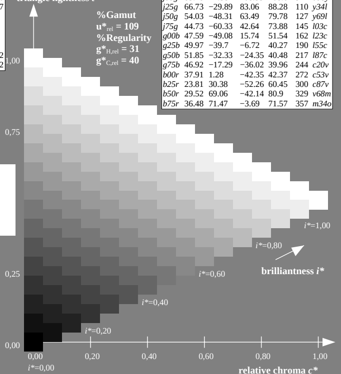
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 36 71 −4
*LAB*LCH**$_{Ma}$: 36 72 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*

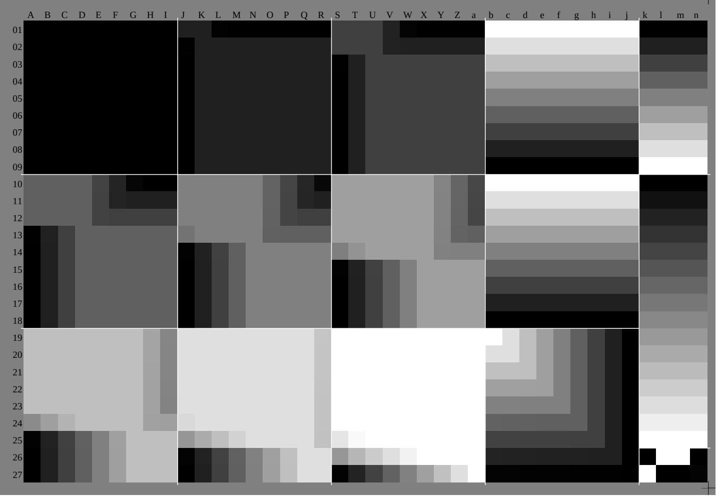
FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−29.89	83.06	88.28	110	y34l
j50g	54.03	−48.31	63.49	79.78	127	y69l
j75g	44.73	−60.33	42.64	73.88	145	l03c
g00b	47.59	−49.08	15.74	51.54	162	l23c
g25b	49.97	−39.7	−6.72	40.27	190	l55c
g50b	51.85	−32.33	−24.35	40.48	217	l87c
g75b	46.92	−17.29	−36.02	39.96	244	c20v
b00r	37.91	1.28	−42.35	42.37	272	c53v
b25r	23.81	30.38	−52.26	60.45	300	c87v
b50r	29.52	69.06	−42.14	80.9	329	v68m
b75r	36.48	71.47	−3.69	71.57	357	m34o

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







Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.451 ***u****$_e$ = g00b*

data for any colour:

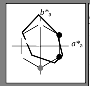
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = g00b *u**$_d$ = l23c*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 48 −49 16

*LAB*LCH**$_{Ma}$: 48 52 162

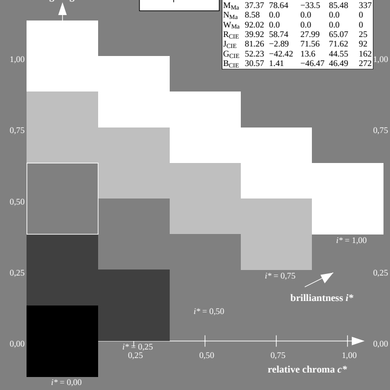
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0

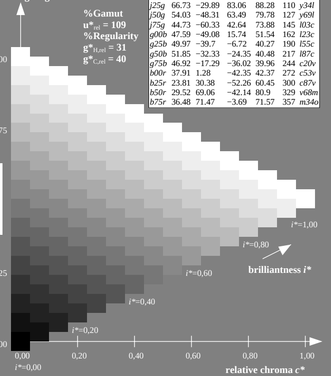
*lab*olv**$_{Ma}$: 0.0 1.0 0.23

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.527 ***u****$_e$ = g25b*

data for any colour:

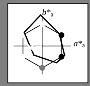
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = g25b *u**$_d$ = l55c*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 50 −40 −7

*LAB*LCH**$_{Ma}$: 50 40 189

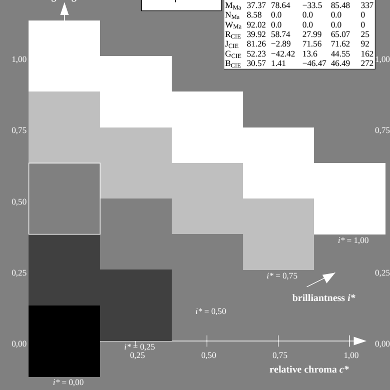
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5

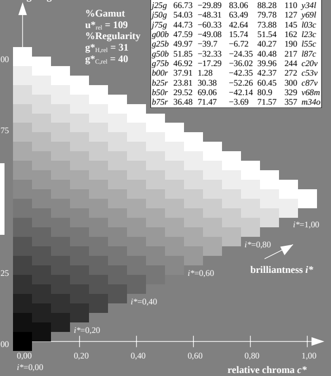
*lab*olv**$_{Ma}$: 0.0 1.0 0.55

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.603 ***u****$_e$ = g50b*

data for any colour:

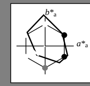
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = g50b *u**$_d$ = l87c*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 52 −32 −24

*LAB*LCH**$_{Ma}$: 52 40 216

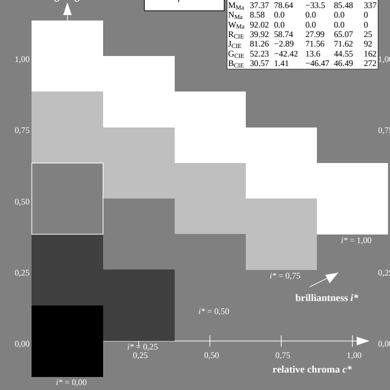
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0

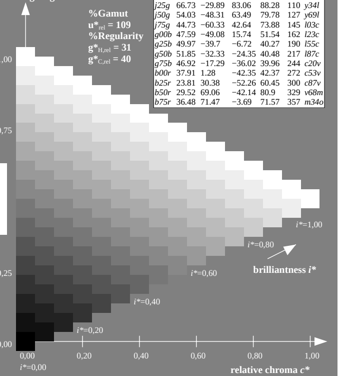
*lab*olv**$_{Ma}$: 0.0 1.0 0.87

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.679 ***u****$_e$ = g75b*

data for any colour:

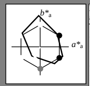
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = g75b *u**$_d$ = c20v*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 47 −17 −36

*LAB*LCH**$_{Ma}$: 47 40 244

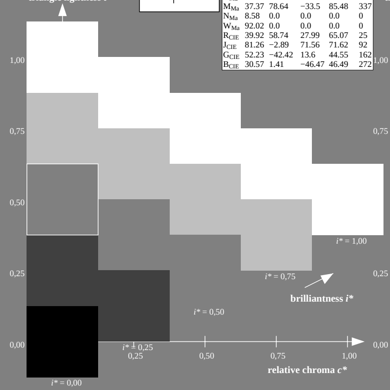
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0

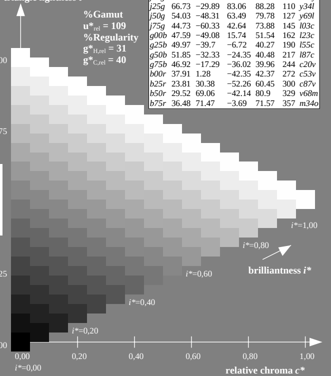
*lab*olv**$_{Ma}$: 0.0 0.8 1.0

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.755 ***u****$_e$ = b00r*

data for any colour:

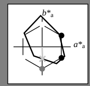
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = b00r *u**$_d$ = c53v*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 38 1 −42

*LAB*LCH**$_{Ma}$: 38 42 271

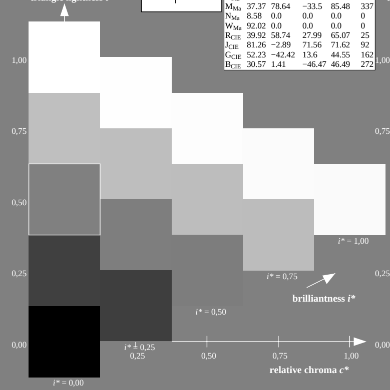
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0

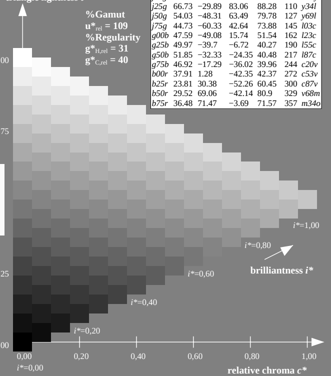
*lab*olv**$_{Ma}$: 0.0 0.47 1.0

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.834 ***u****$_e$ = b25r*

data for any colour:

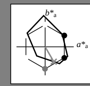
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = b25r *u**$_d$ = c87v*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 24 30 −52

*LAB*LCH**$_{Ma}$: 24 60 300

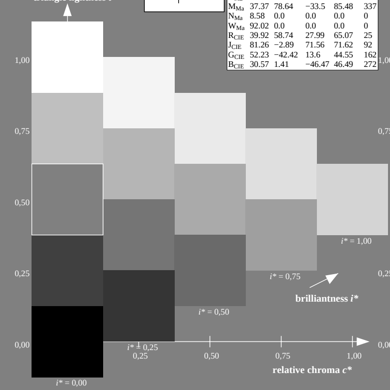
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0

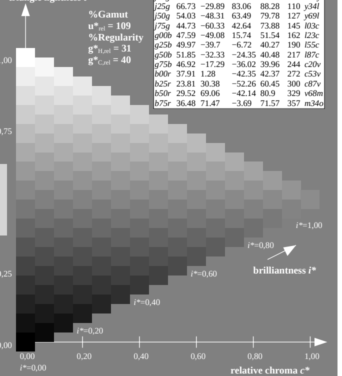
*lab*olv**$_{Ma}$: 0.0 0.12 1.0

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.913 ***u****$_e$ = b50r*

data for any colour:

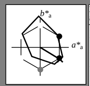
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = b50r *u**$_d$ = v68m*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 30 69 −42

*LAB*LCH**$_{Ma}$: 30 81 328

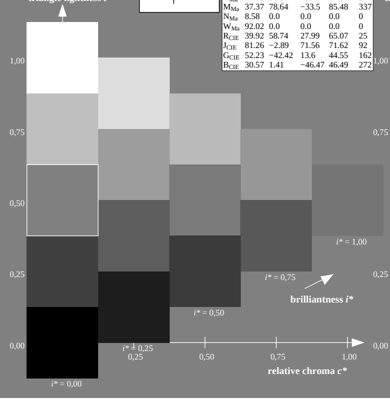
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0

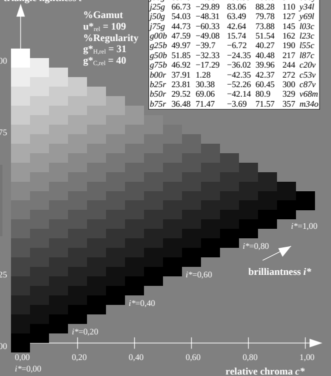
*lab*olv**$_{Ma}$: 0.69 0.0 1.0

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue *h** = *lab*h** = h_{ab}/360 = 0.992 ***u****$_e$ = b75r*

data for any colour:

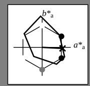
*lab*tch** and *lab*icu**

Hue texts:

*u**$_e$ = b75r *u**$_d$ = m34o*

contrast reduction factor:

c_R = 1.0



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):

*LAB*LAB**$_{Ma}$: 36 71 −4

*LAB*LCH**$_{Ma}$: 36 72 357

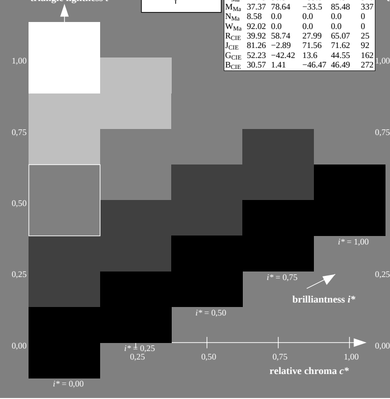
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5

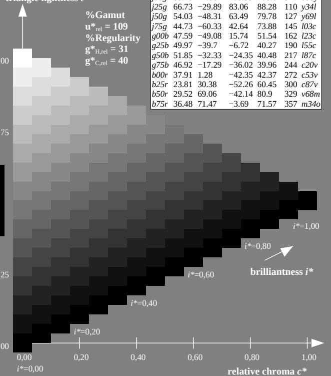
*lab*olv**$_{Ma}$: 1.0 0.0 0.66

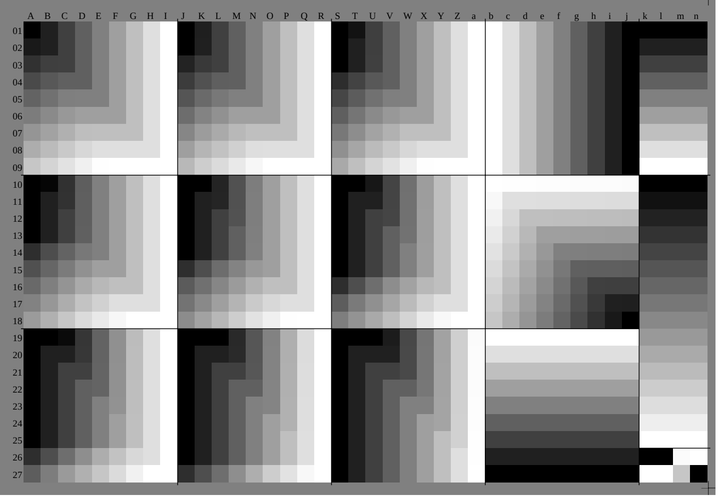
FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*

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

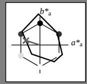






Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.451 **u^*_e = *g00b***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g00b* u^*_d = *l23c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

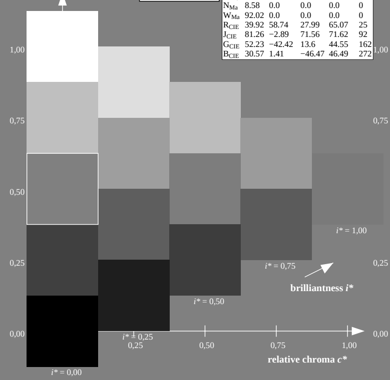
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

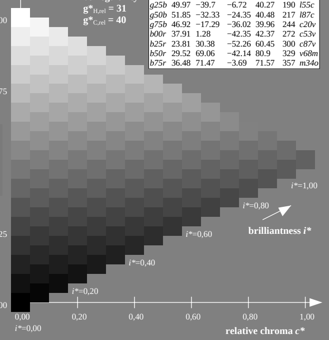
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −49 16
*LAB*LCH**$_{Ma}$: 48 52 162
*lab*rgb**$_{Ma}$: 0.0 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.23
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

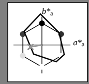
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.527 **u^*_e = *g25b***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g25b* u^*_d = *l55c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

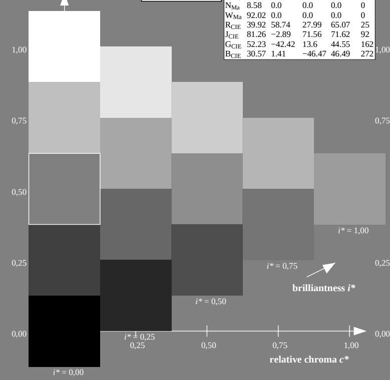
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

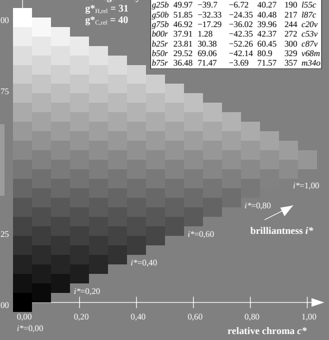
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 50 −40 −7
*LAB*LCH**$_{Ma}$: 50 40 189
*lab*rgb**$_{Ma}$: 0.0 1.0 0.5
*lab*olv**$_{Ma}$: 0.0 1.0 0.55
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

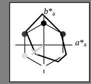
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.603 **u^*_e = *g50b***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g50b* u^*_d = *l87c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

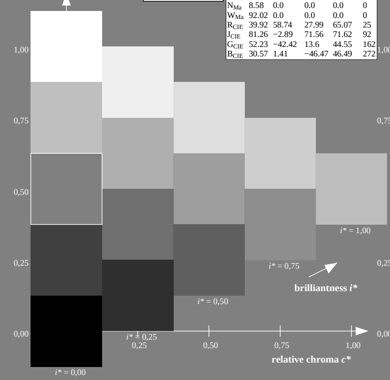
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

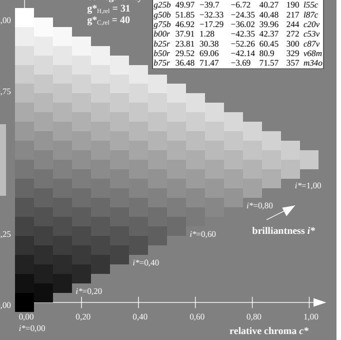
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 52 −32 −24
*LAB*LCH**$_{Ma}$: 52 40 216
*lab*rgb**$_{Ma}$: 0.0 1.0 1.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.87
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

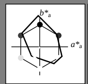
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.679 **u^*_e = *g75b***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *g75b* u^*_d = *c20v*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

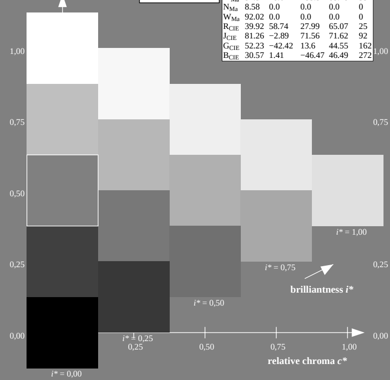
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

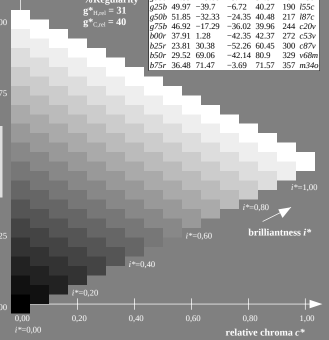
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −17 −36
*LAB*LCH**$_{Ma}$: 47 40 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.8 1.0
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

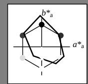
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.755 **u^*_e = *b00r***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b00r* u^*_d = *c53v*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

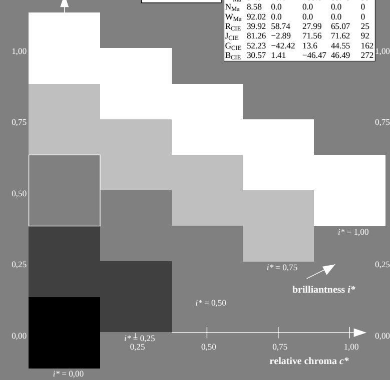
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

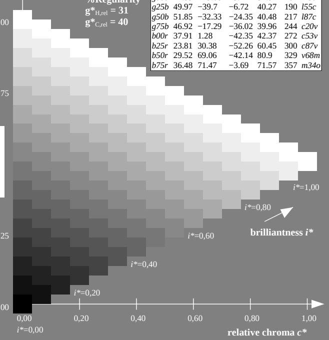
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 1 −42
*LAB*LCH**$_{Ma}$: 38 42 271
*lab*rgb**$_{Ma}$: 0.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.47 1.0
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

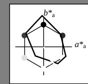
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.834 **u^*_e = *b25r***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b25r* u^*_d = *c87v*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

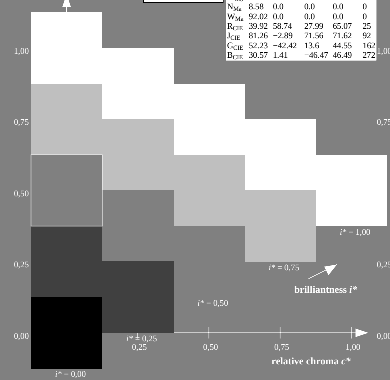
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

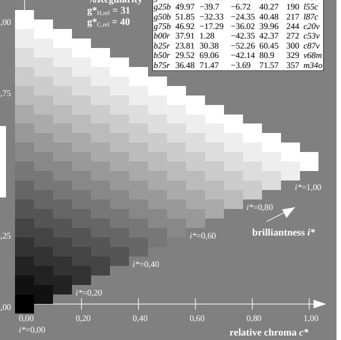
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 24 30 −52
*LAB*LCH**$_{Ma}$: 24 60 300
*lab*rgb**$_{Ma}$: 0.5 0.0 1.0
*lab*olv**$_{Ma}$: 0.0 0.12 1.0
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

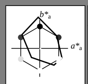
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.913 **u^*_e = *b50r***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b50r* u^*_d = *v68m*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92a; adapted (a) CIELAB data

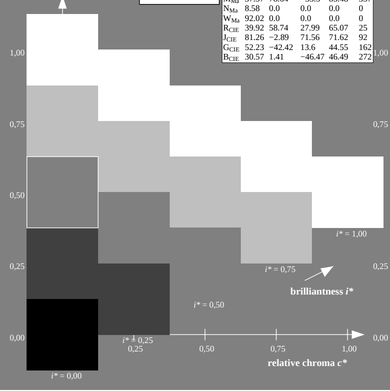
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{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

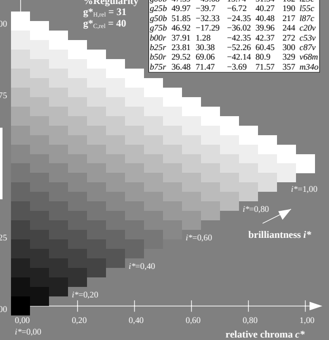
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 69 −42
*LAB*LCH**$_{Ma}$: 30 81 328
*lab*rgb**$_{Ma}$: 1.0 0.0 1.0
*lab*olv**$_{Ma}$: 0.69 0.0 1.0
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

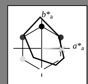
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*





Input and output: Colorimetric Printer Reflective System FRS09_92, L*=09_92 for relative CIELAB hue h* = lab*h* = h_{ab}/360 = 0.992 **u^*_e = *b75r***

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *b75r* u^*_d = *m34o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

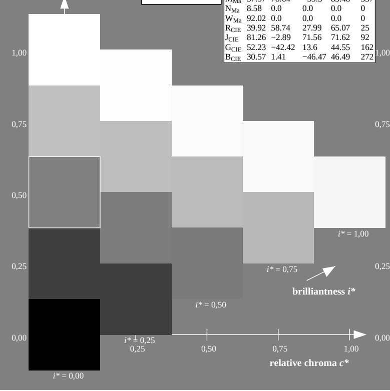
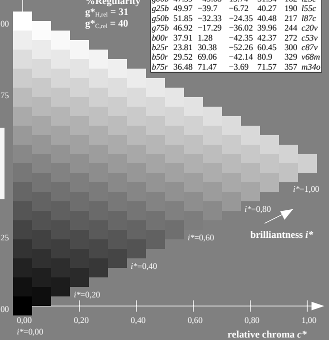
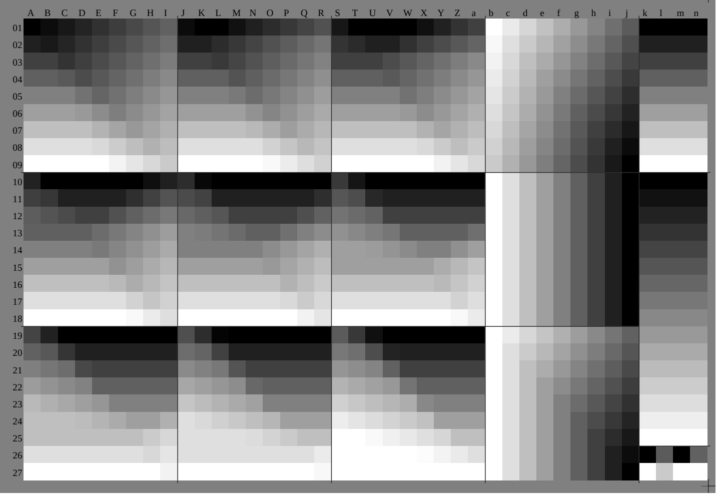


FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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
J_{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

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 36 71 −4
*LAB*LCH**$_{Ma}$: 36 72 357
*lab*rgb**$_{Ma}$: 1.0 0.0 0.5
*lab*olv**$_{Ma}$: 1.0 0.0 0.66
triangle lightness *t**

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

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	63.49	79.78	127	*y69l*
j75g	44.73	−60.33	42.64	73.88	145	*l03c*
g00b	47.59	−49.08	15.74	51.54	162	*l23c*
g25b	49.97	−39.7	−6.72	40.27	190	*l55c*
g50b	51.85	−32.33	−24.35	40.48	217	*l87c*
g75b	46.92	−17.29	−36.02	39.96	244	*c20v*
b00r	37.91	1.28	−42.35	42.37	272	*c53v*
b25r	23.81	30.38	−52.26	60.45	300	*c87v*
b50r	29.52	69.06	−42.14	80.9	329	*v68m*
b75r	36.48	71.47	−3.69	71.57	357	*m34o*