Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$ $u^*_c = g00b$

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

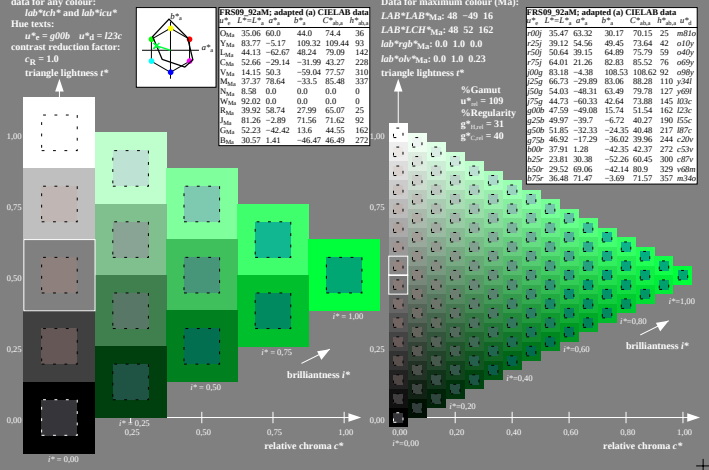
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 48 −49 16
$LAB^*LCH^*_{Ma}$: 48 52 162
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.23
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$ $u^*_c = g25b$

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

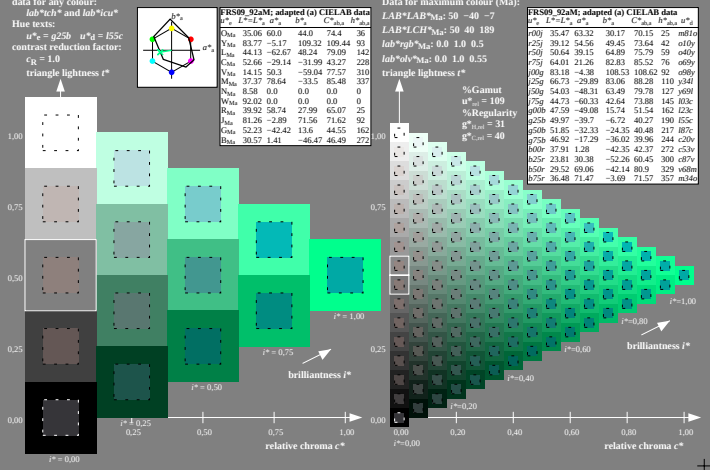
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 50 −40 −7
$LAB^*LCH^*_{Ma}$: 50 40 189
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
$lab^*olv^*_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$ $u^*_c = g50b$

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

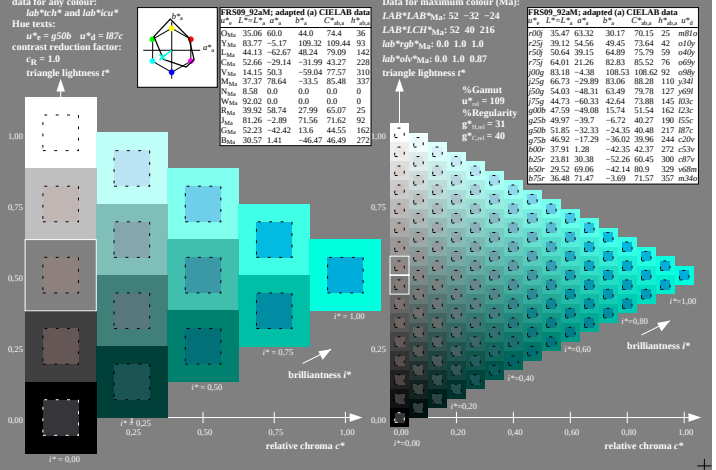
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 52 −32 −24
$LAB^*LCH^*_{Ma}$: 52 40 216
$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ $u^*_c = g75b$

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

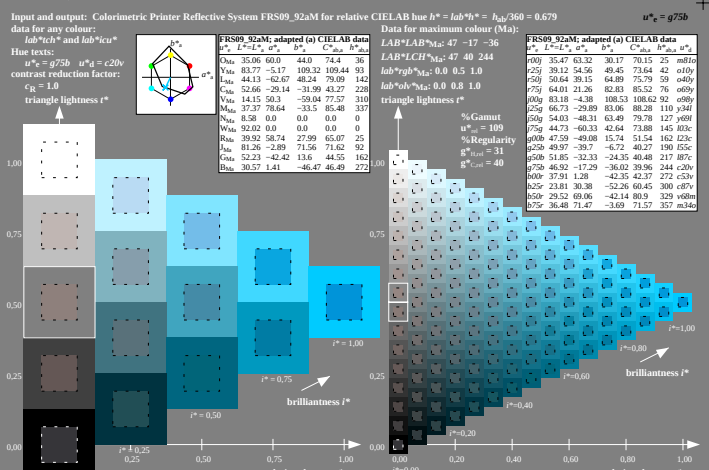
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 −17 −36
$LAB^*LCH^*_{Ma}$: 47 40 244
$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0
$lab^*olv^*_{Ma}$: 0.0 0.8 1.0
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ $u^*_c = b00r$

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

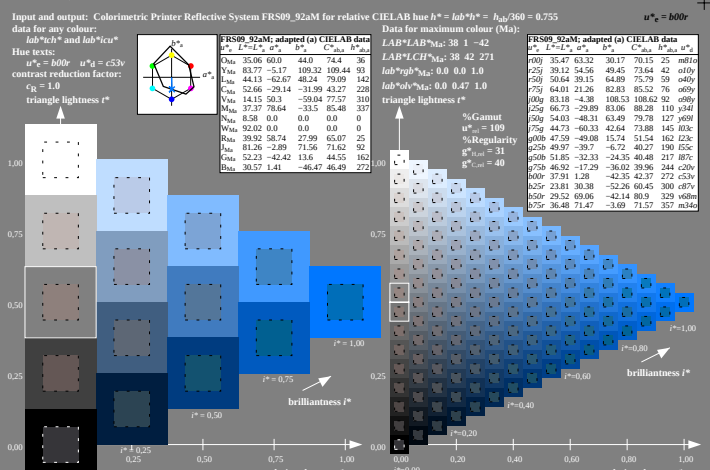
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 38 1 −42
$LAB^*LCH^*_{Ma}$: 38 42 271
$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.47 1.0
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ $u^*_c = b25r$

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

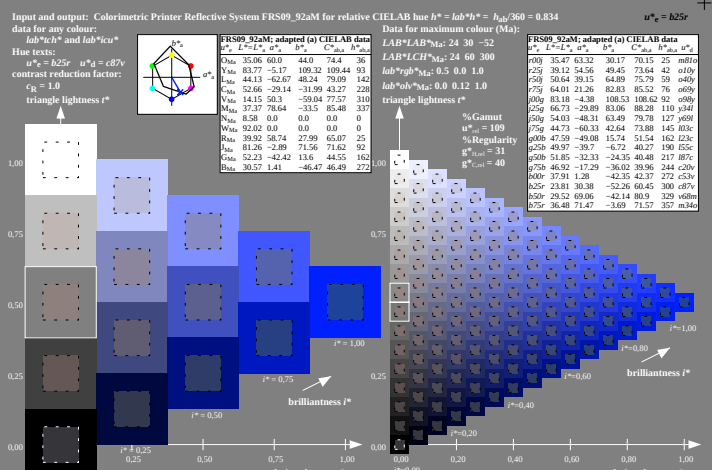
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 24 30 −52
$LAB^*LCH^*_{Ma}$: 24 60 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.12 1.0
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$ $u^*_c = b50r$

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

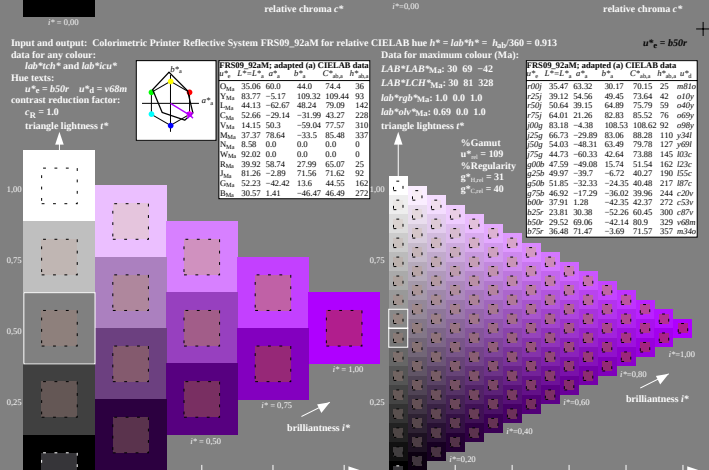
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 30 69 −42
$LAB^*LCH^*_{Ma}$: 30 81 328
$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0
$lab^*olv^*_{Ma}$: 0.69 0.0 1.0
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ $u^*_c = b75r$

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

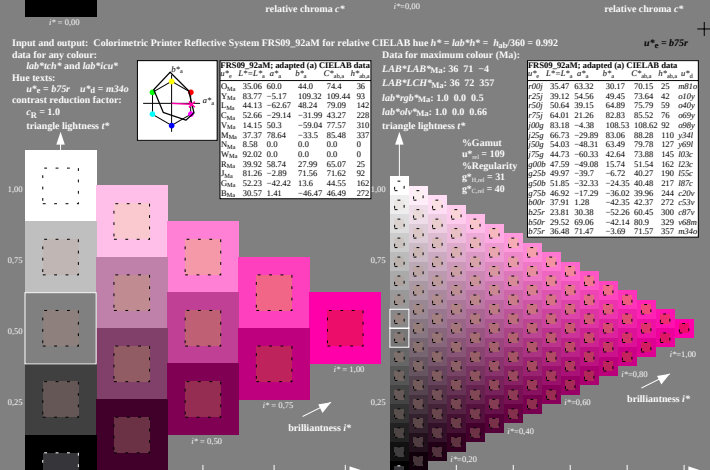
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*

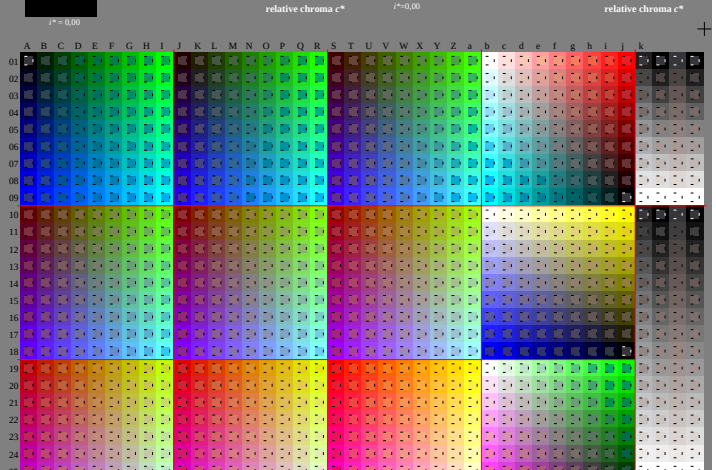
%Gamut $u^*_{gm} = 109$
%Regularity $g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92aM; adapted (a) CIELAB data

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
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_{Ma}	39.92	58.74	27.99	65.07	25
I_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

	L^*	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00	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
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.396$ $u^*_d = g00b$

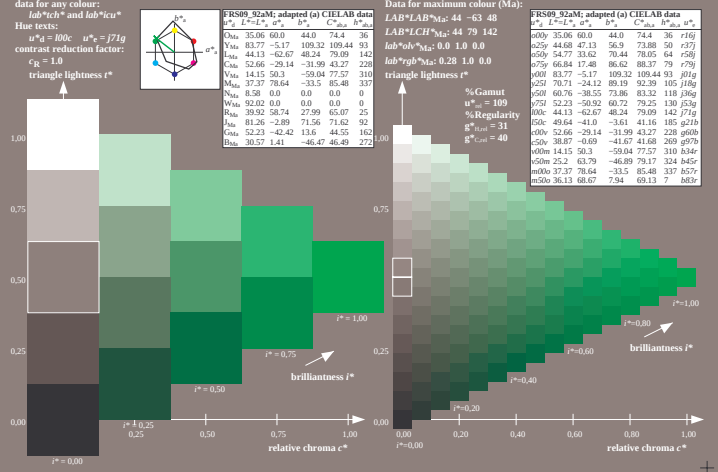
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l00c$ $u^*_e = j71g$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.514$ $u^*_d = g25b$

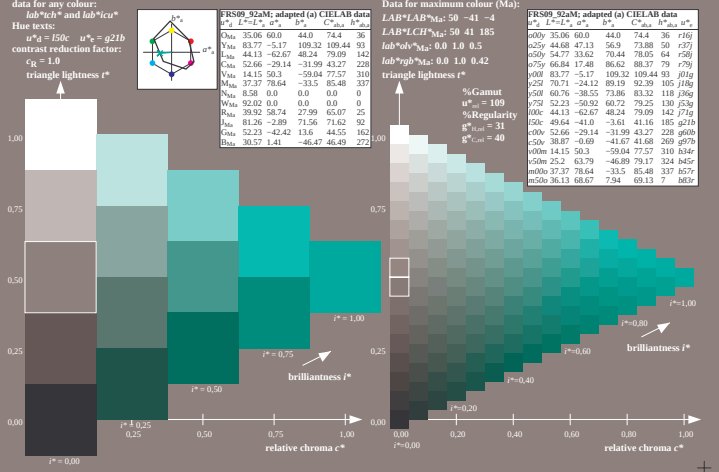
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.632$ $u^*_d = g50b$

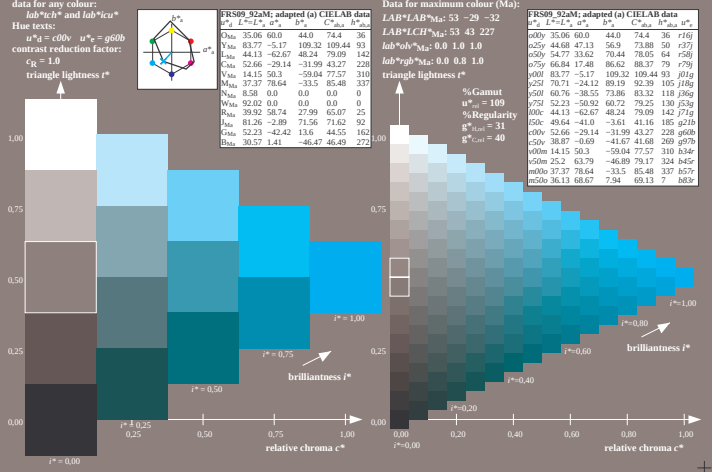
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.747$ $u^*_d = g75b$

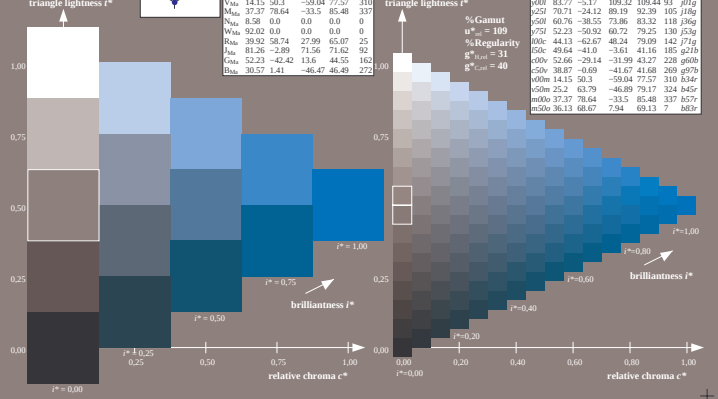
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.862$ $u^*_d = b00r$

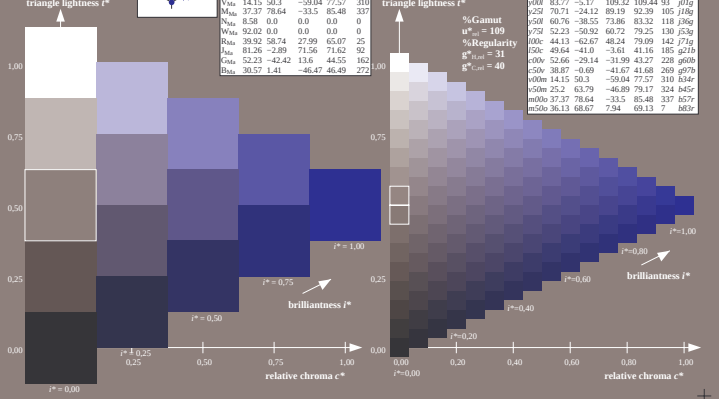
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.899$ $u^*_d = b25r$

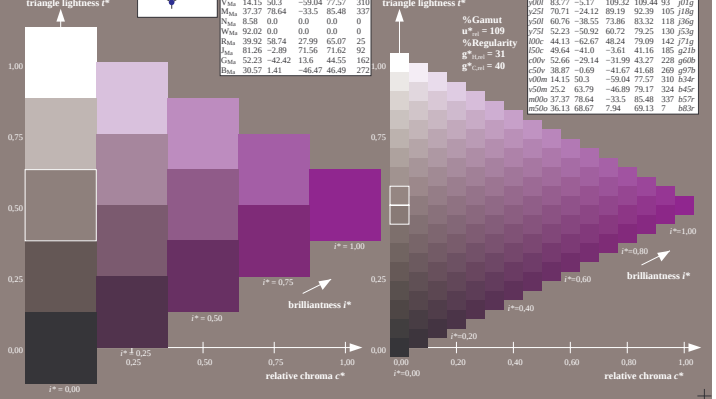
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = v50m$ $u^*_e = b45r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.936$ $u^*_d = b50r$

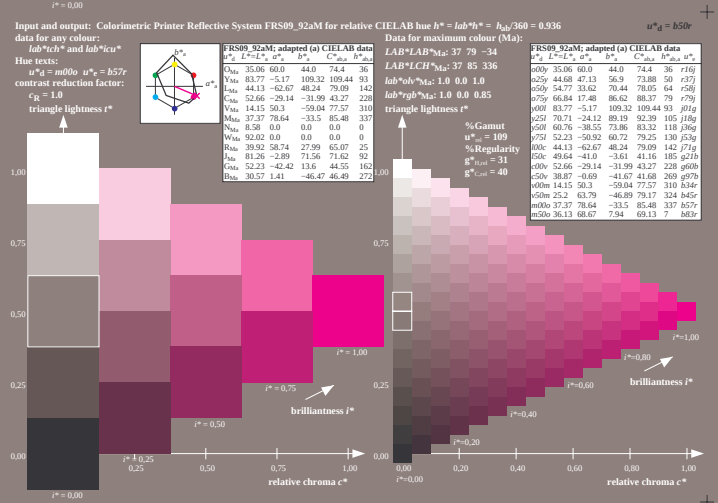
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m00o$ $u^*_e = b57r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 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^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.018$ $u^*_d = b75r$

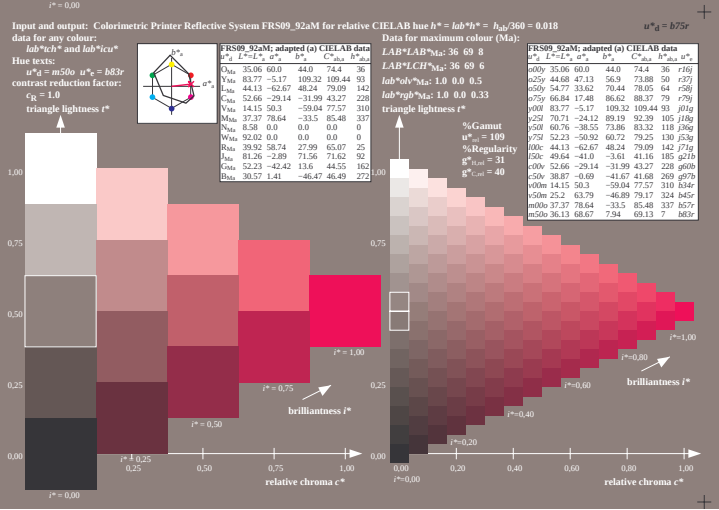
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*

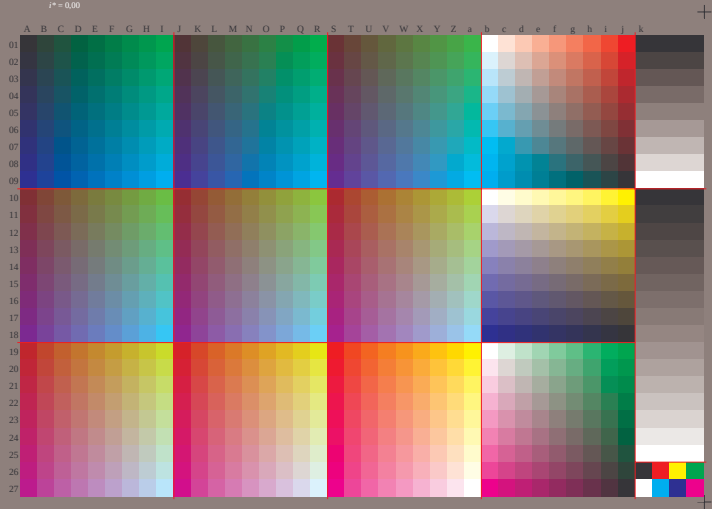
Data for maximum colour (Ma):
$LAB^*L^*_{Ma}$: 36 69 8
$LAB^*LCH^*_{Ma}$: 36 69 6
$lab^*olv^*_{Ma}$: 1.0 0.0 0.5
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

	L^*	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_{Ma}	39.92	58.74	27.99	65.07	25		
I_{Ma}	81.26	−2.89	71.56	71.62	92		
G_{Ma}	52.23	−42.42	13.6	44.55	162		
B_{Ma}	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*
$y00t$	83.77	−5.17	109.32	109.44	93		*j01g*
$y25t$	70.71	−24.12	89.19	92.39	105		*j18g*
$y50t$	60.76	−38.55	73.86	83.32	118		*j36g*
$y75t$	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*



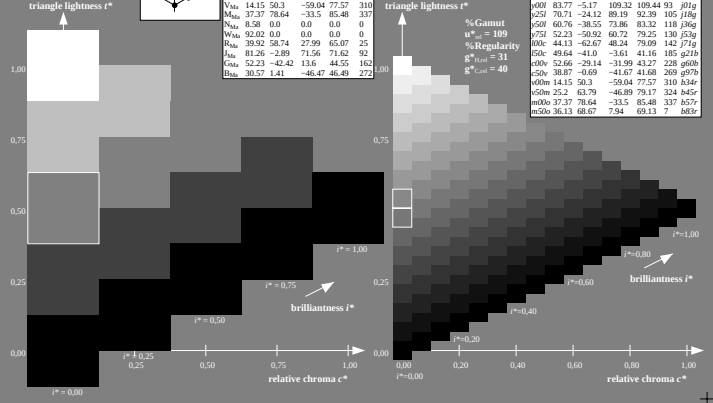


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.396$ $u^*_d = g00b$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

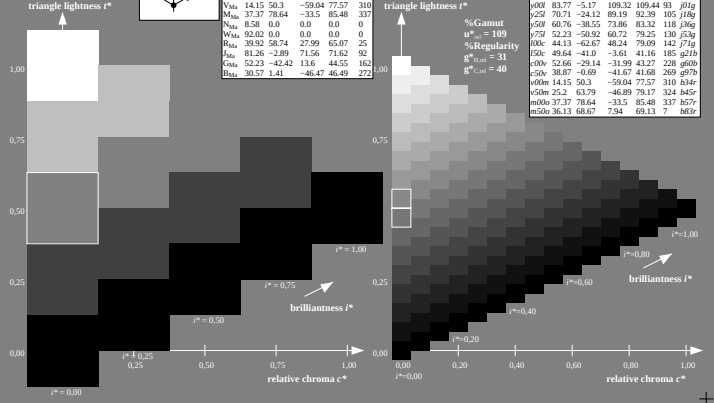


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.514$ $u^*_d = g25b$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

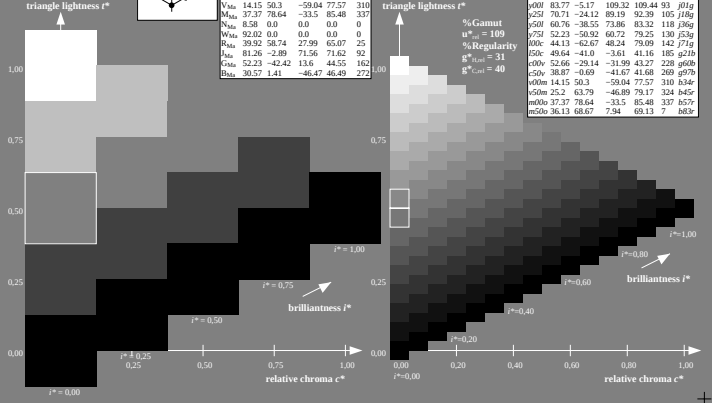


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.632$ $u^*_d = g50b$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

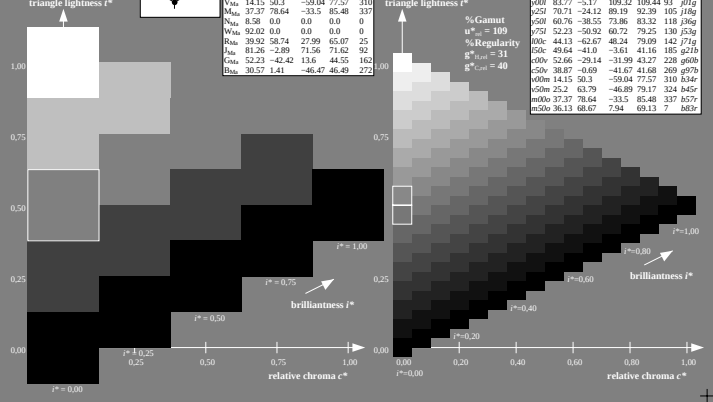


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.747$ $u^*_d = g75b$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

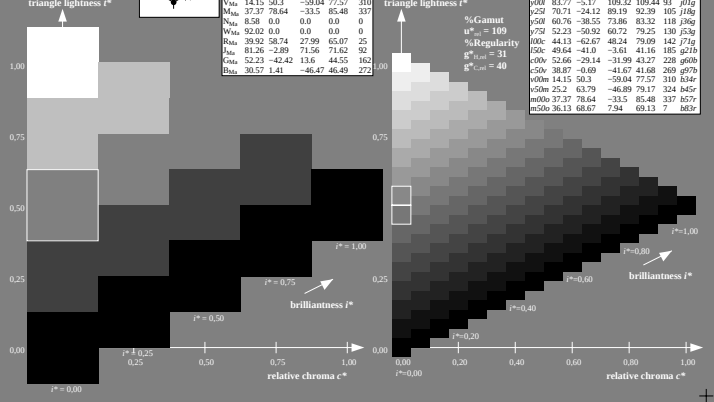


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.862$ $u^*_d = b00r$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

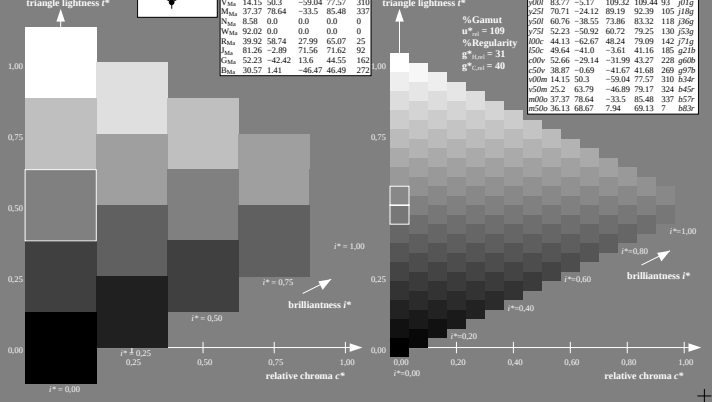


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.899$ $u^*_d = b25r$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

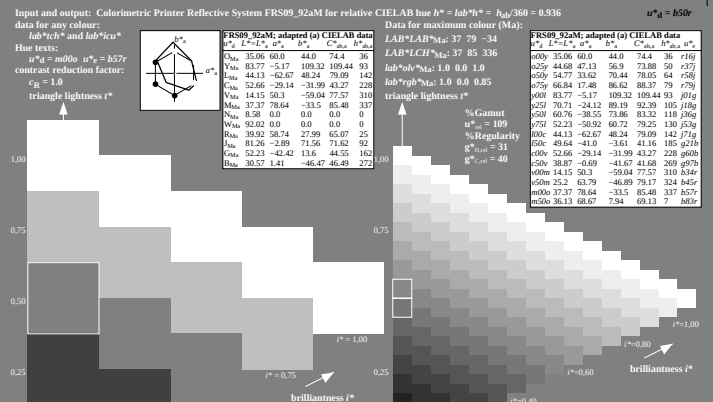


Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.936$ $u^*_d = b50r$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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*

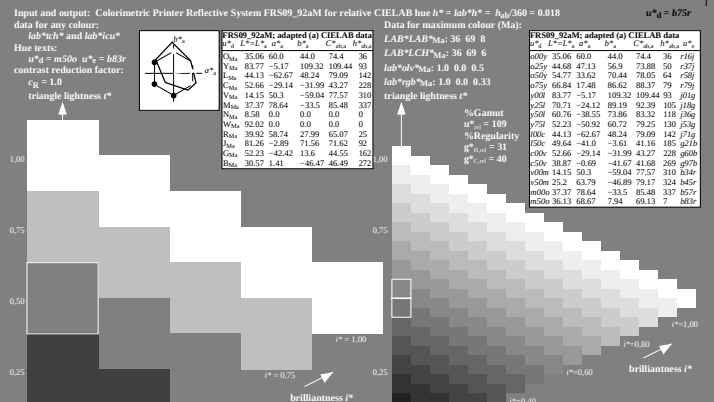


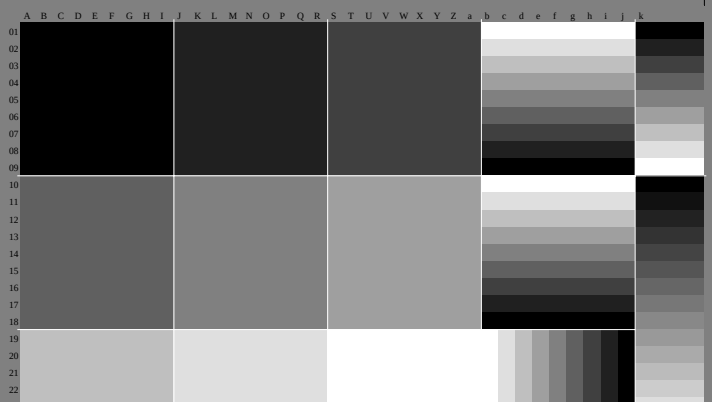
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.018$ $u^*_d = b75r$

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_92aM; 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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
G_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.396$ — $u^*_d = g00b$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.514$ — $u^*_d = g25b$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.632$ — $u^*_d = g50b$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.747$ — $u^*_d = g75b$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.862$ — $u^*_d = b00r$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.899$ — $u^*_d = b25r$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.936$ — $u^*_d = b50r$

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

FRS09_92aM; adapted (a) CIELAB data

u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	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	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.018$ — $u^*_d = b75r$

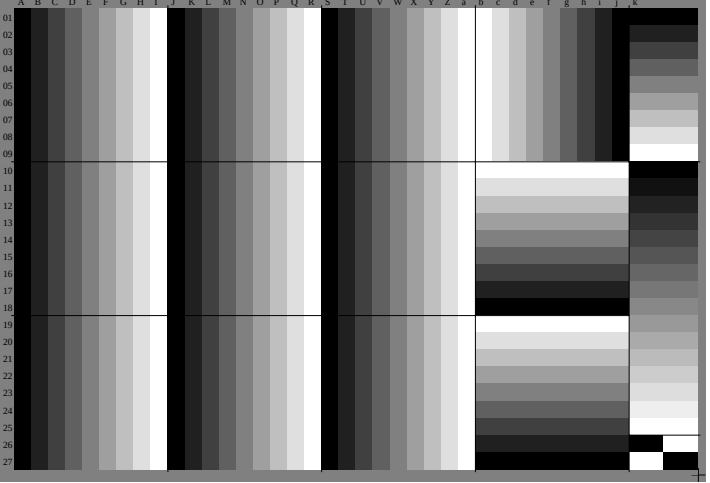
data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor: $c_R = 1.0$
triangle lightness t^*

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

FRS09_92aM; adapted (a) CIELAB data

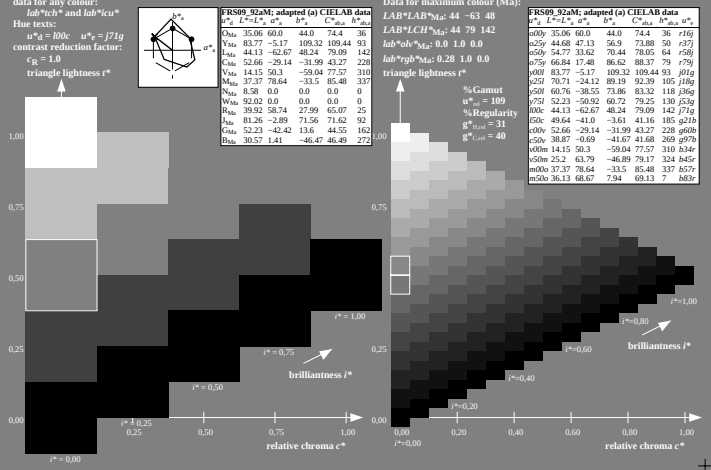
u^*_d	L^*_{CIELAB}	a^*_{CIELAB}	b^*_{CIELAB}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	*r37j*
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	*r58j*
C_{Ma}	52.66	−29.14	−31.99	43.27	228	*r79j*
V_{Ma}	14.15	50.3	−59.04	77.57	310	*y01g*
M_{Ma}	37.37	78.64	−33.5	85.48	337	*y18g*
N_{Ma}	8.58	0.0	0.0	0.0	0	
W_{Ma}	92.02	0.0	0.0	0.0	0	
R_{Ma}	39.92	58.74	27.99	65.07	25	*y25f*
B_{Ma}	81.26	−2.89	71.56	71.62	92	*y50f*
G_{Ma}	52.23	−42.42	13.6	44.55	162	*y75f*
B_{Ma}	30.57	1.41	−46.47	46.49	272	*l00c*
						l50c
						y00f
						y25f
						y50f
						y75f
						l00c
						l50c
						c00v
						c50v
						v00m
						v50m
						m00o
						m50o
						36.13
						68.67
						7.94
						69.13
						7
						b83r



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.396$ — $u^*_d = g00b$

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_92aM; adapted (a) CIELAB data

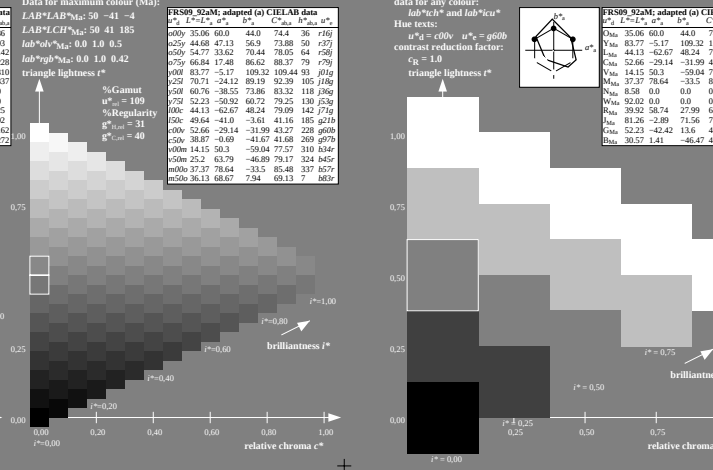
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.514$ — $u^*_d = g25b$

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_92aM; adapted (a) CIELAB data

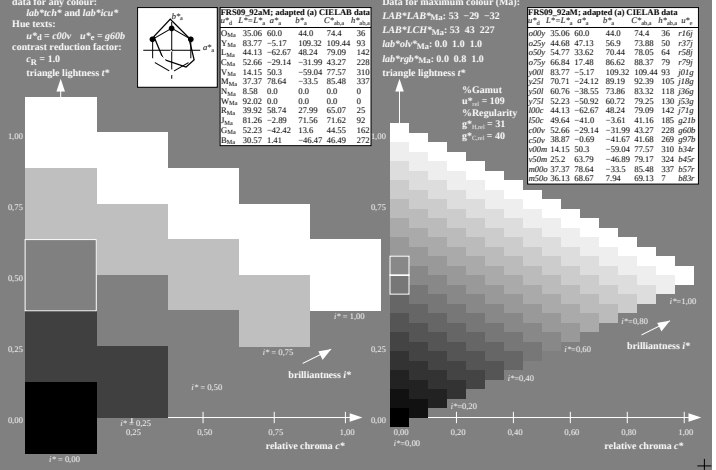
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.632$ — $u^*_d = g50b$

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_92aM; adapted (a) CIELAB data

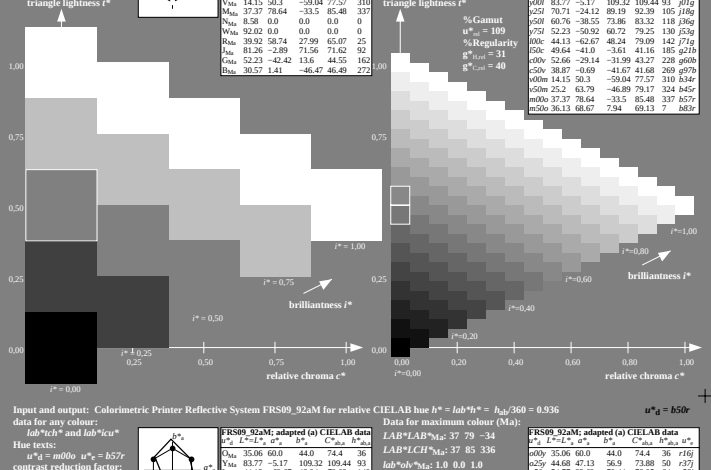
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.747$ — $u^*_d = g75b$

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_92aM; adapted (a) CIELAB data

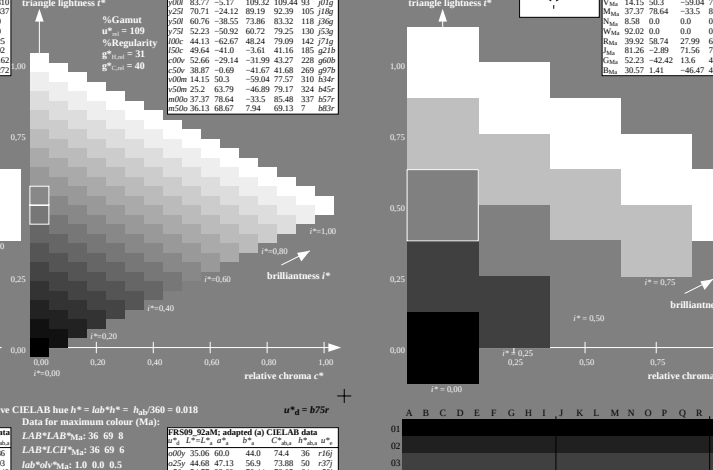
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.862$ — $u^*_d = b00r$

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_92aM; adapted (a) CIELAB data

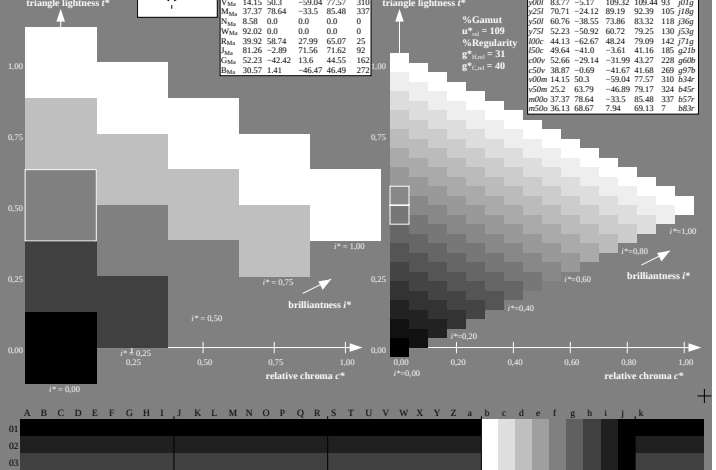
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.899$ — $u^*_d = b25r$

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_92aM; adapted (a) CIELAB data

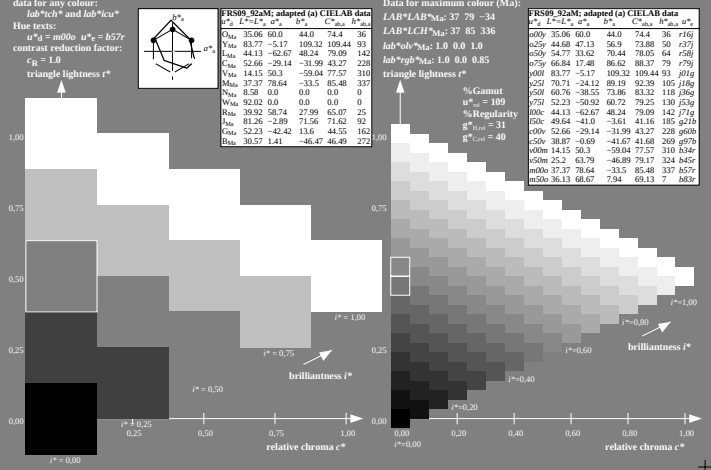
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.936$ — $u^*_d = b50r$

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_92aM; adapted (a) CIELAB data

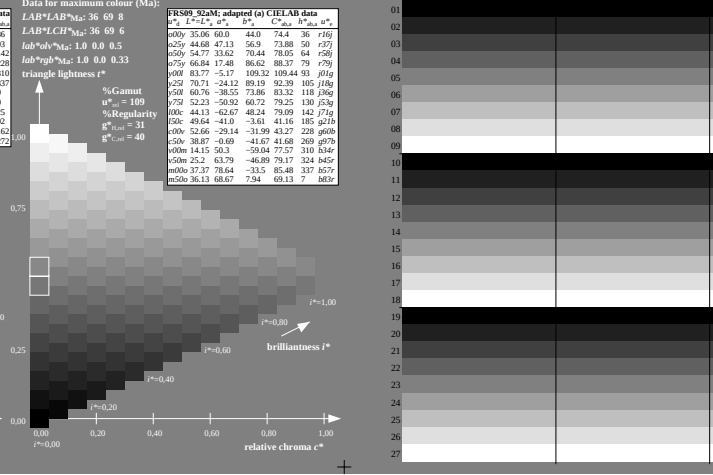
	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
O_{Ma}	35.06	60.0	44.0	74.4	36	*r16j*
Y_{Ma}	83.77	−5.17	109.32	109.44	93	
L^*_{Ma}	44.13	−62.67	48.24	79.09	142	
C_{Ma}	52.66	−29.14	−31.99	43.27	228	
V_{Ma}	14.15	50.3	−59.04	77.57	310	
M_{Ma}	37.37	78.64	−33.5	85.48	337	
N_{Ma}	8.58	0.0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

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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*

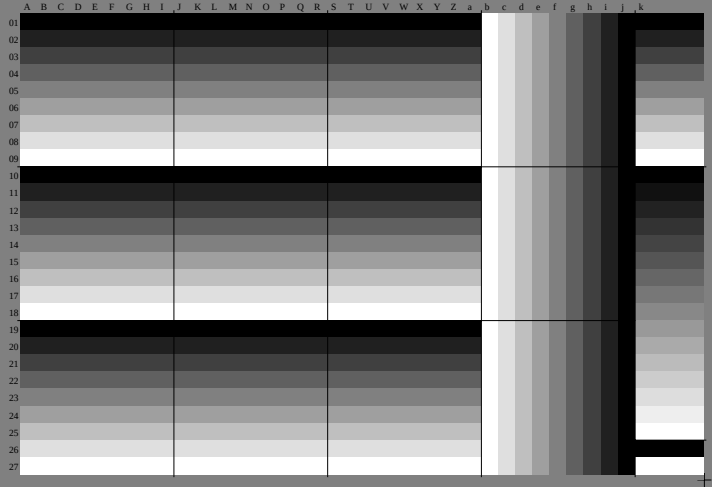
Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.018$ — $u^*_d = b75r$

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_92aM; adapted (a) CIELAB data

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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_{Ma}	39.92	58.74	27.99	65.07	25	
J_{Ma}	81.26	−2.89	71.56	71.62	92	
CM_{Ma}	52.23	−42.42	13.6	44.55	162	
B_{Ma}	30.57	1.41	−46.47	46.49	272	

	L^*_{ca}	a^*_{ca}	b^*_{ca}	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{ca}
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*
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*