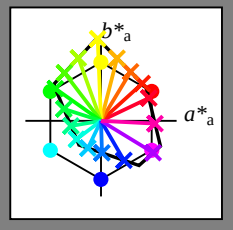
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

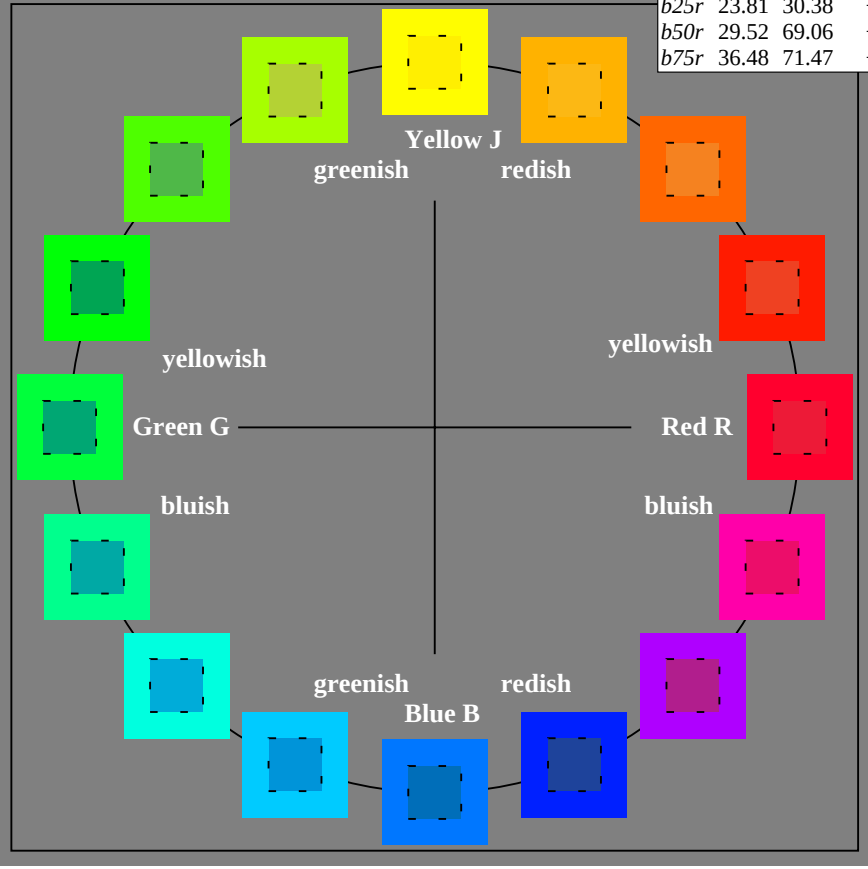
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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*

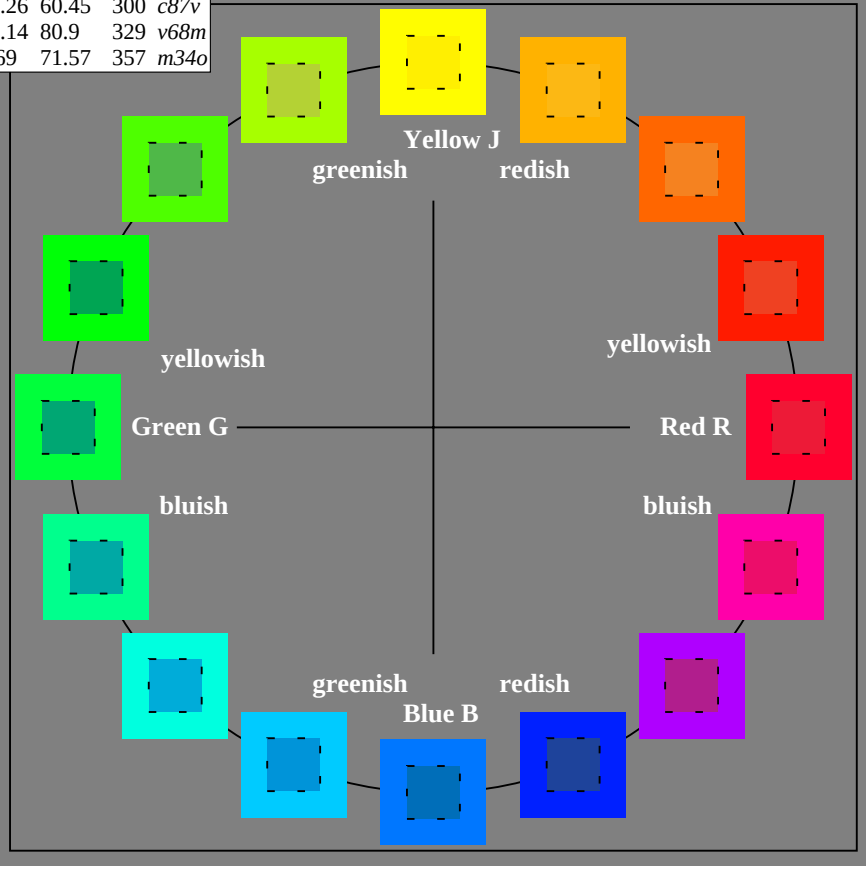


%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

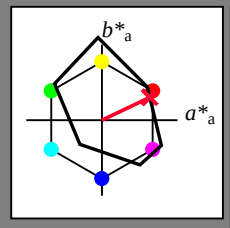
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	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





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** **u^*_e = *r00j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

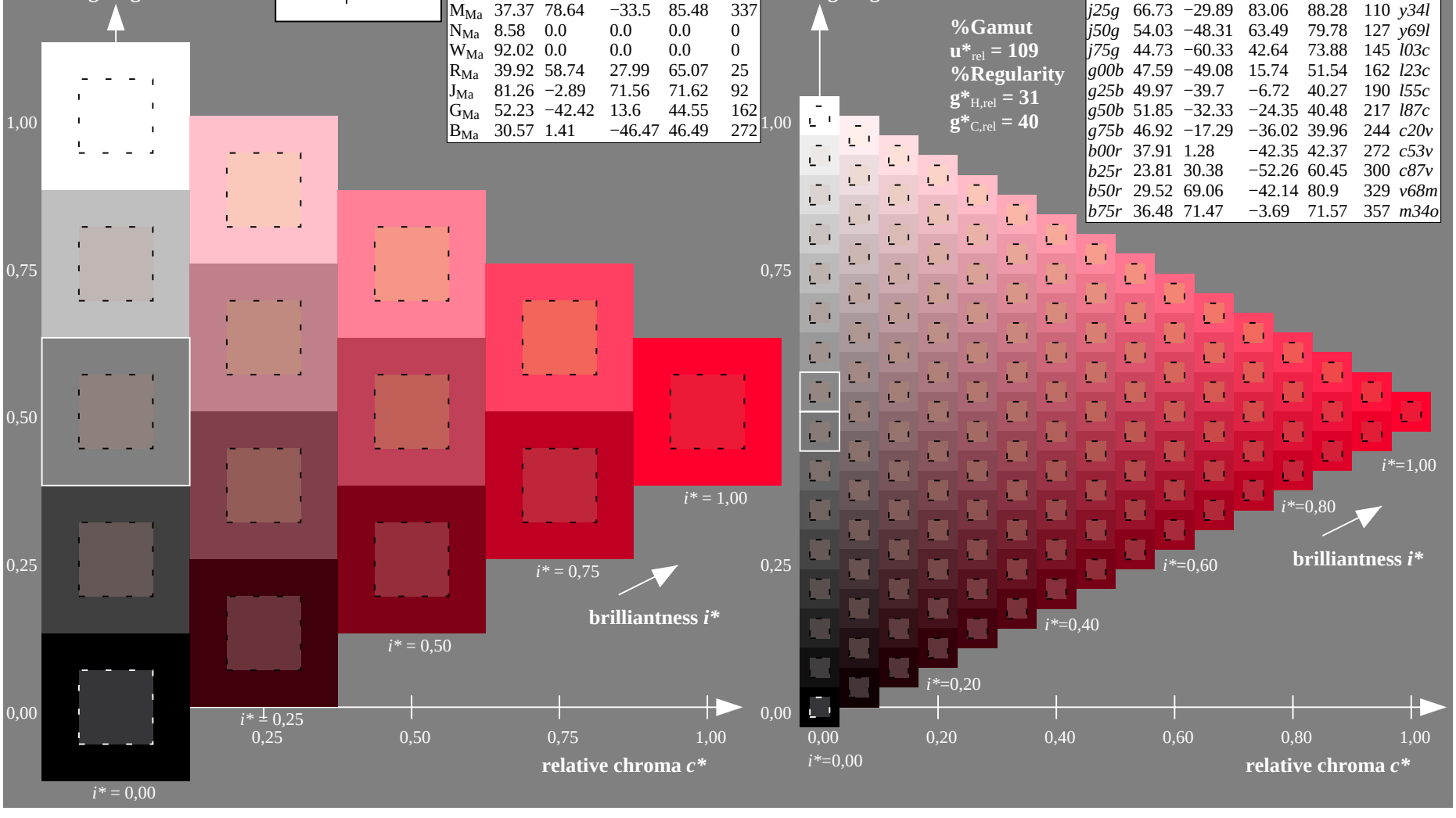
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

FRS09_92aM; adapted (a) CIELAB data

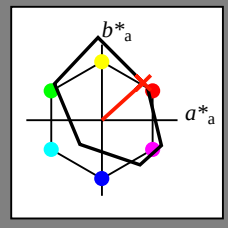
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

u*e = r25j

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

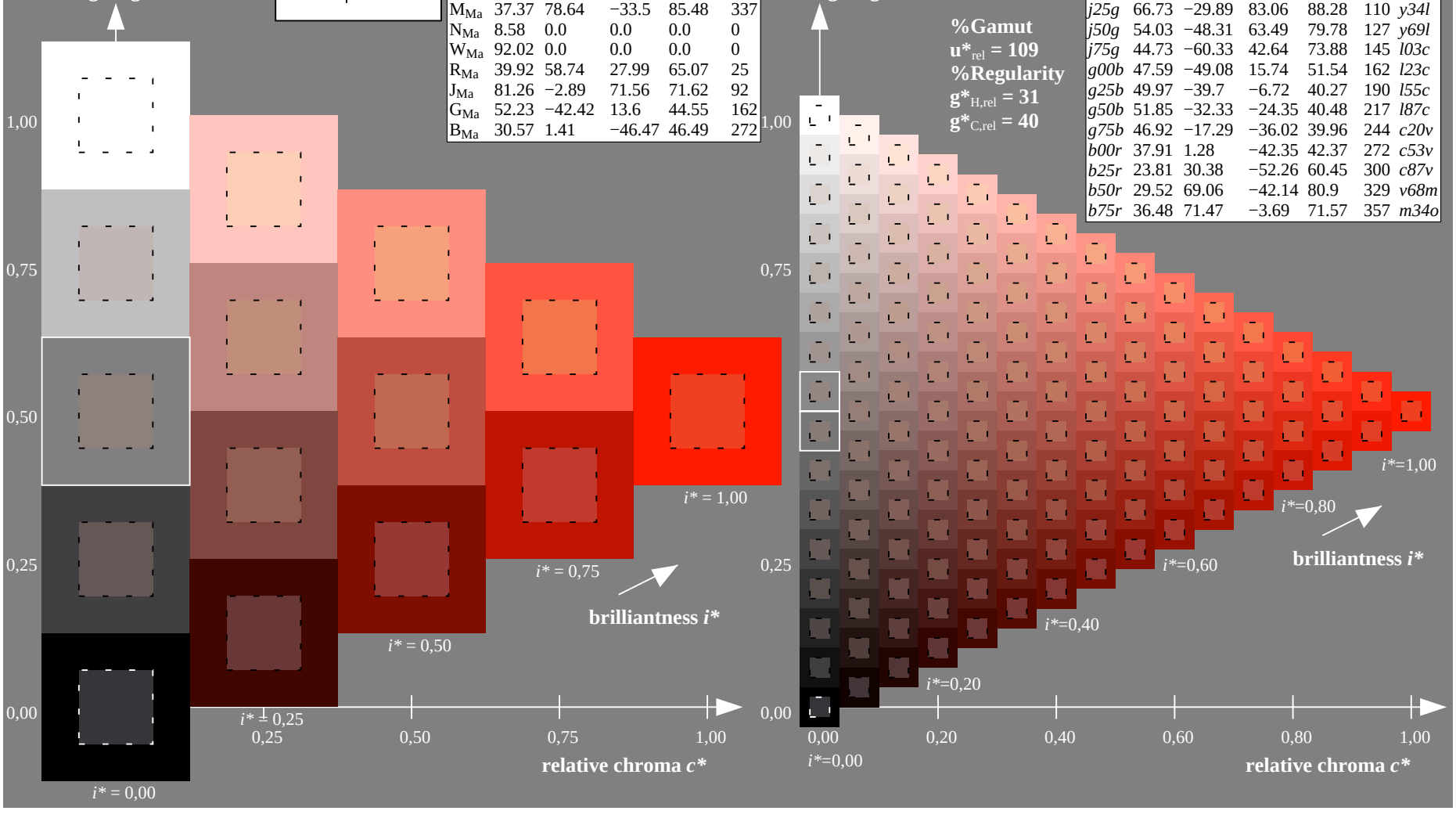
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

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

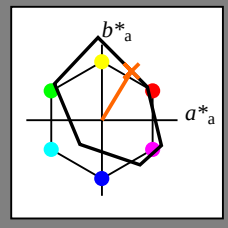
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** **u^*_e = *r50j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

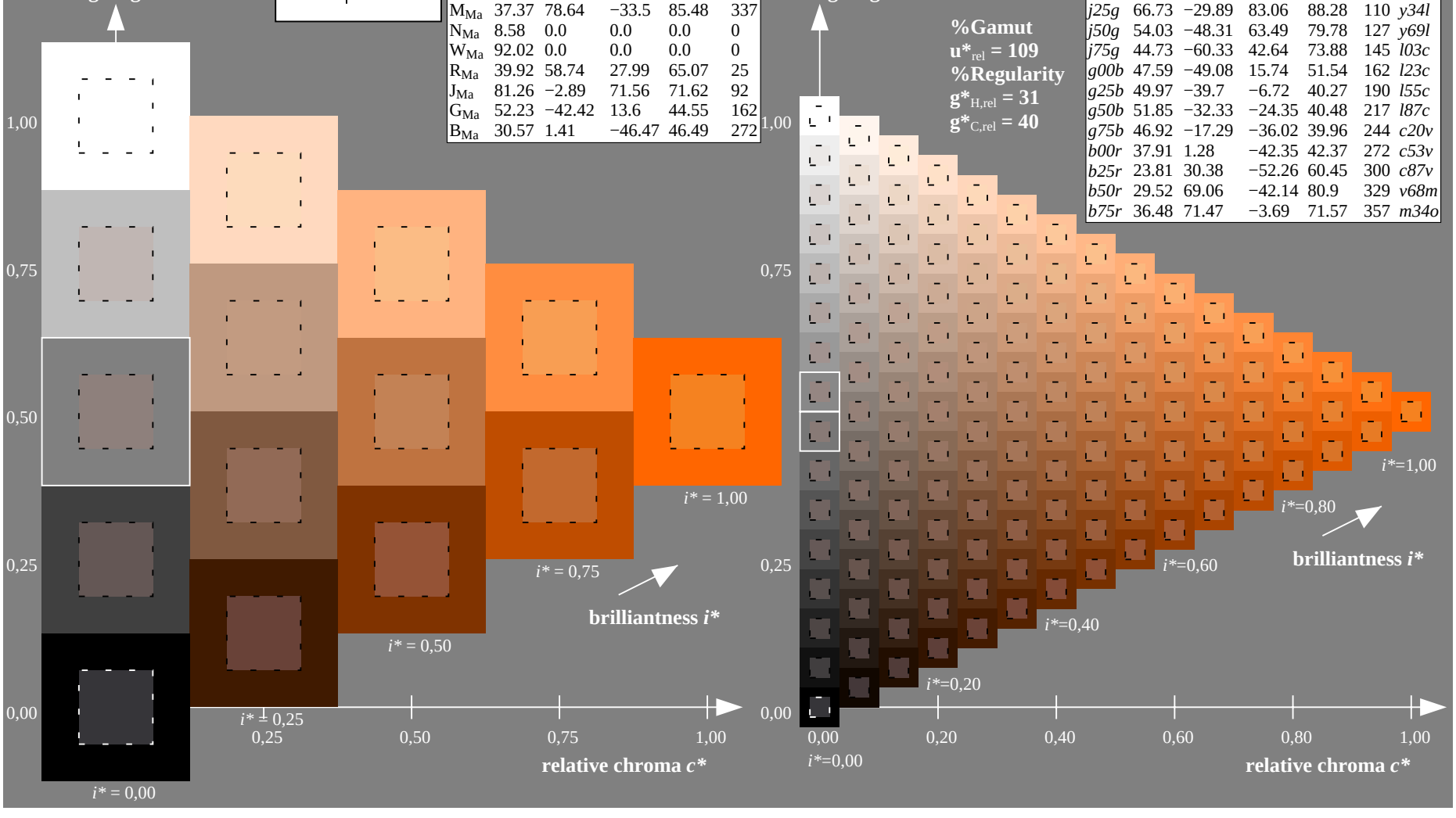
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

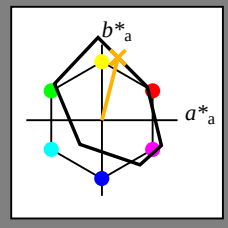
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** **u^*_e = *r75j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

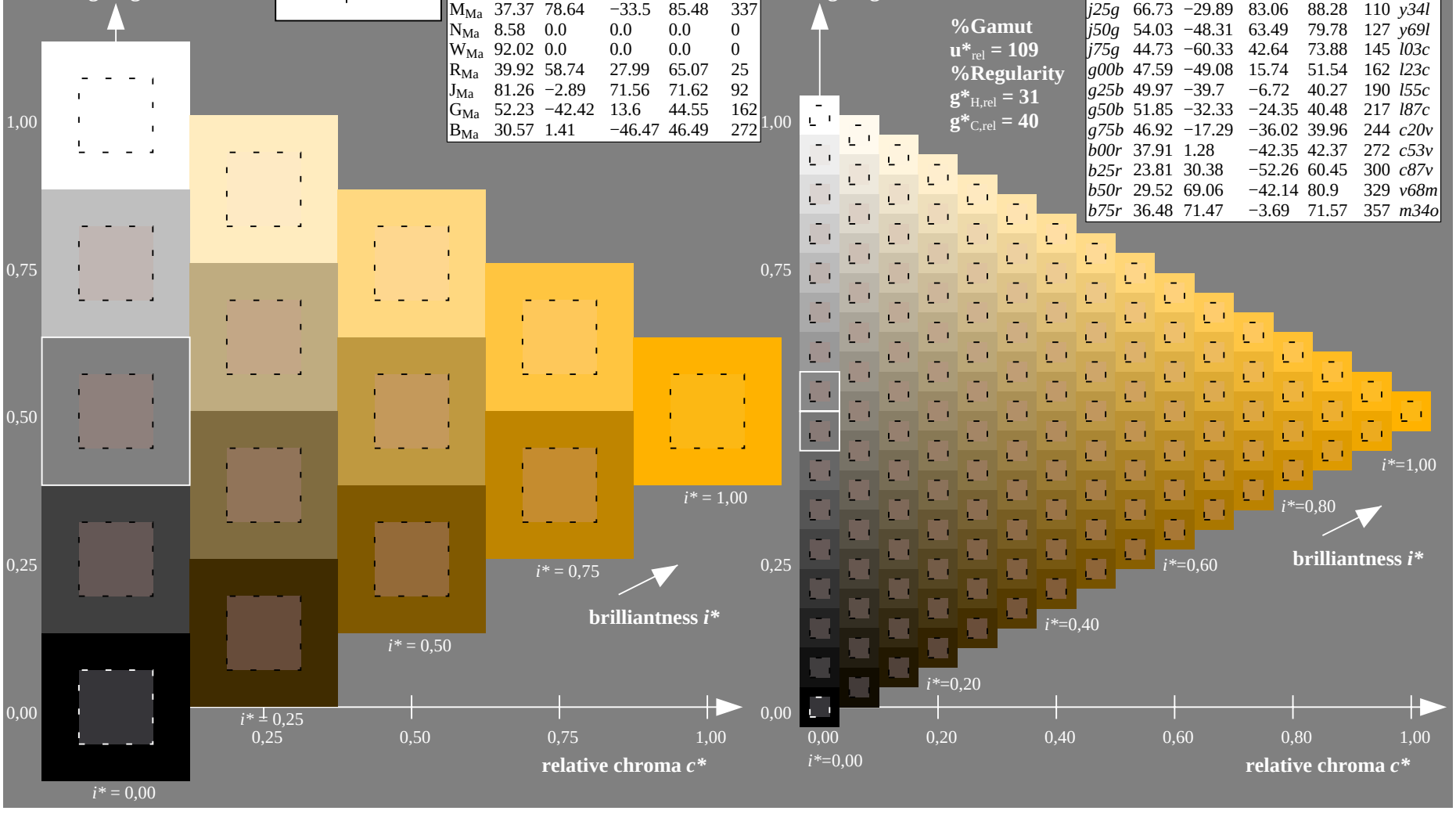
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

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

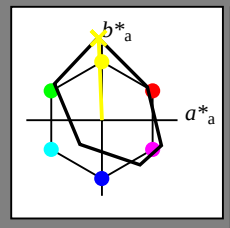
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = $h_{ab}/360$ = 0.256** **u^*_e = *j00g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

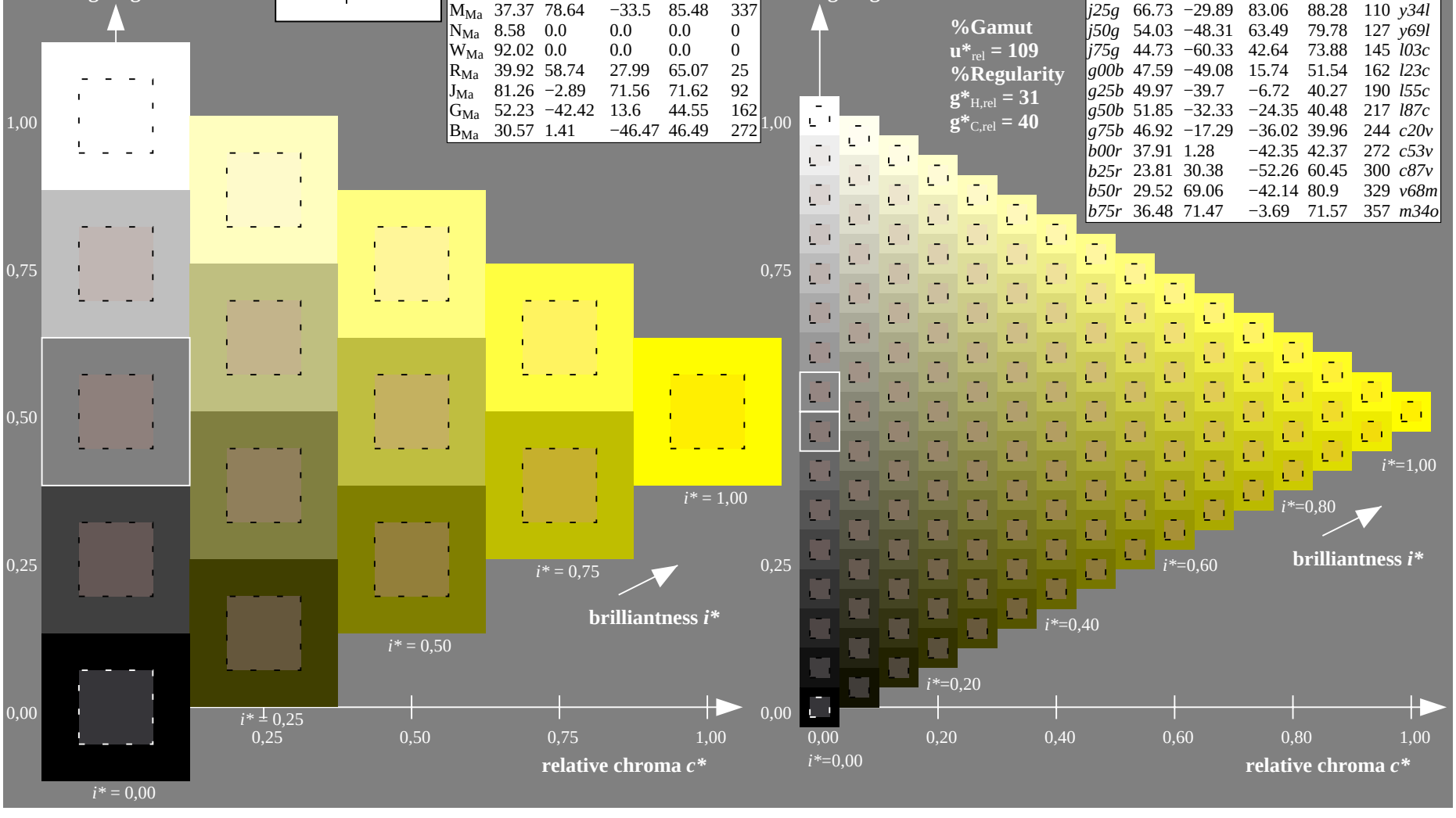
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

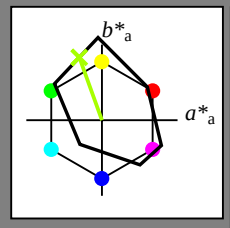
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ — $u^*_e = j25g$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

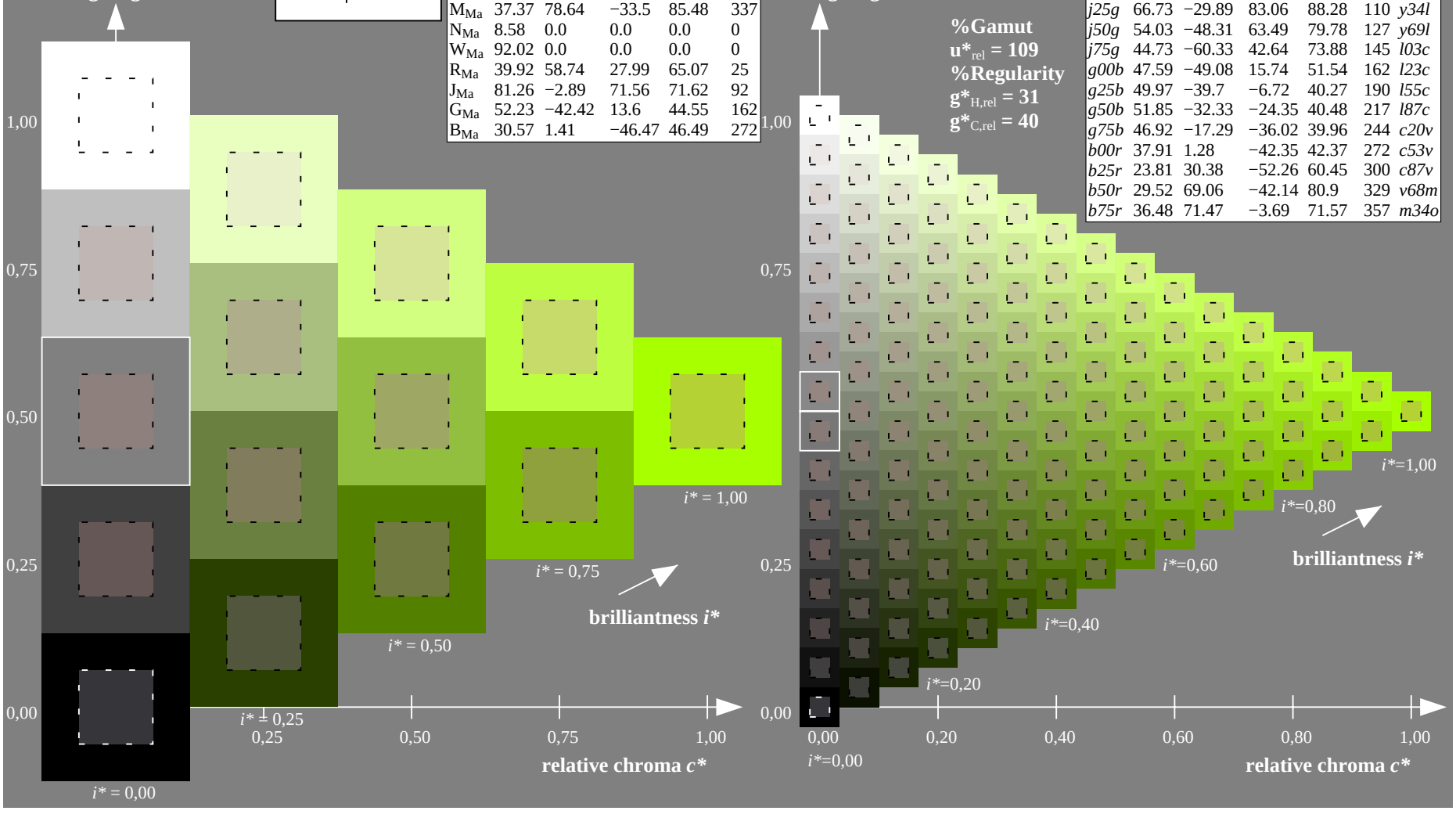
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 67 −30 83
$LAB^*LCH^*_{Ma}$: 67 88 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.66 1.0 0.0
triangle lightness *t**

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

FRS09_92aM; adapted (a) CIELAB data

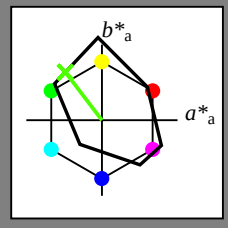
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

u*e = j50g

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = j50g ***u*d = y69l***
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

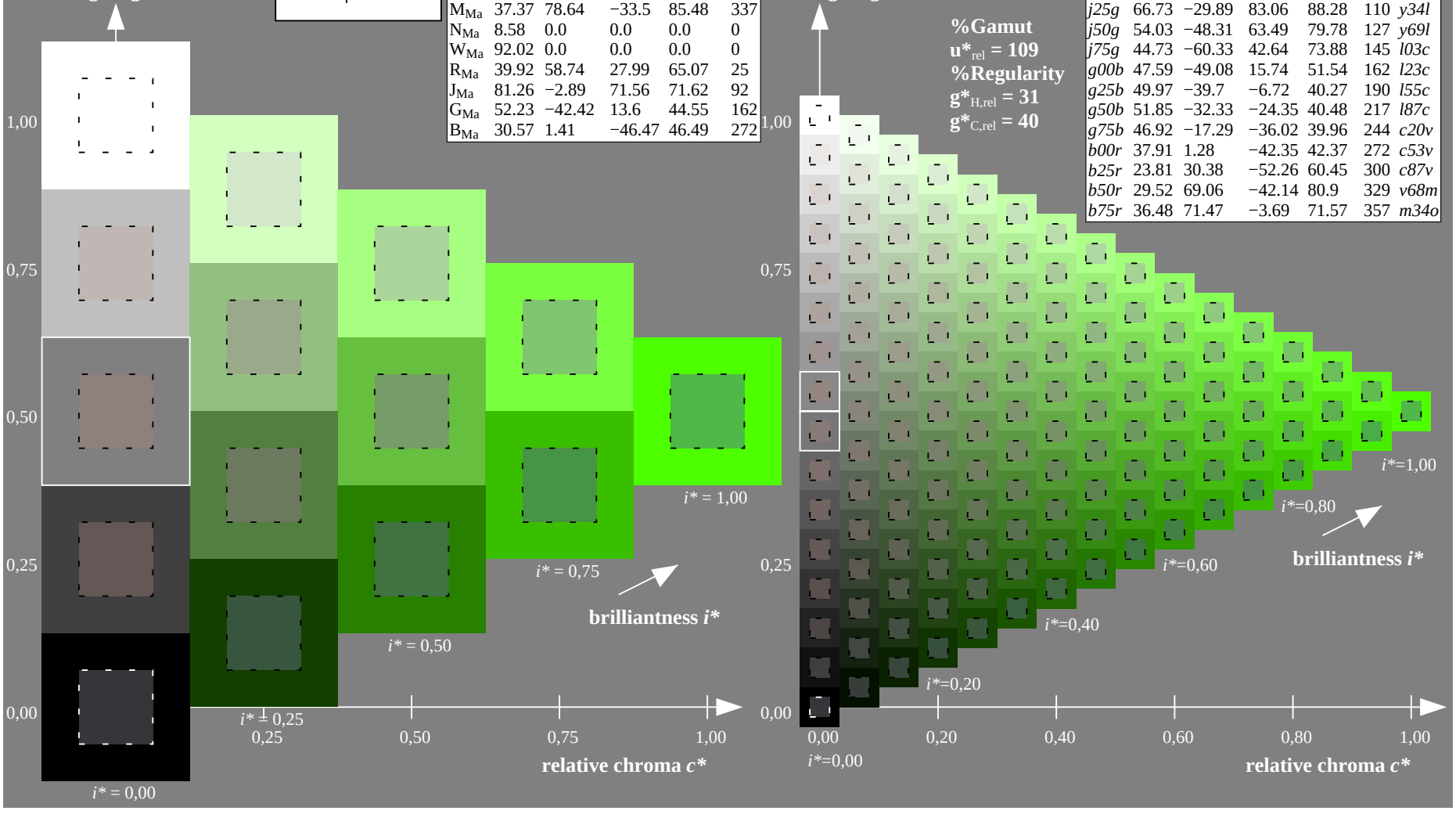
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

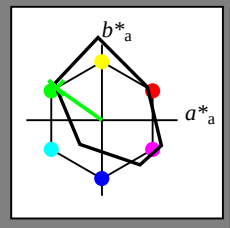
FRS09_92aM; adapted (a) CIELAB data

*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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ — $u^*_e = j75g$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = l03c$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

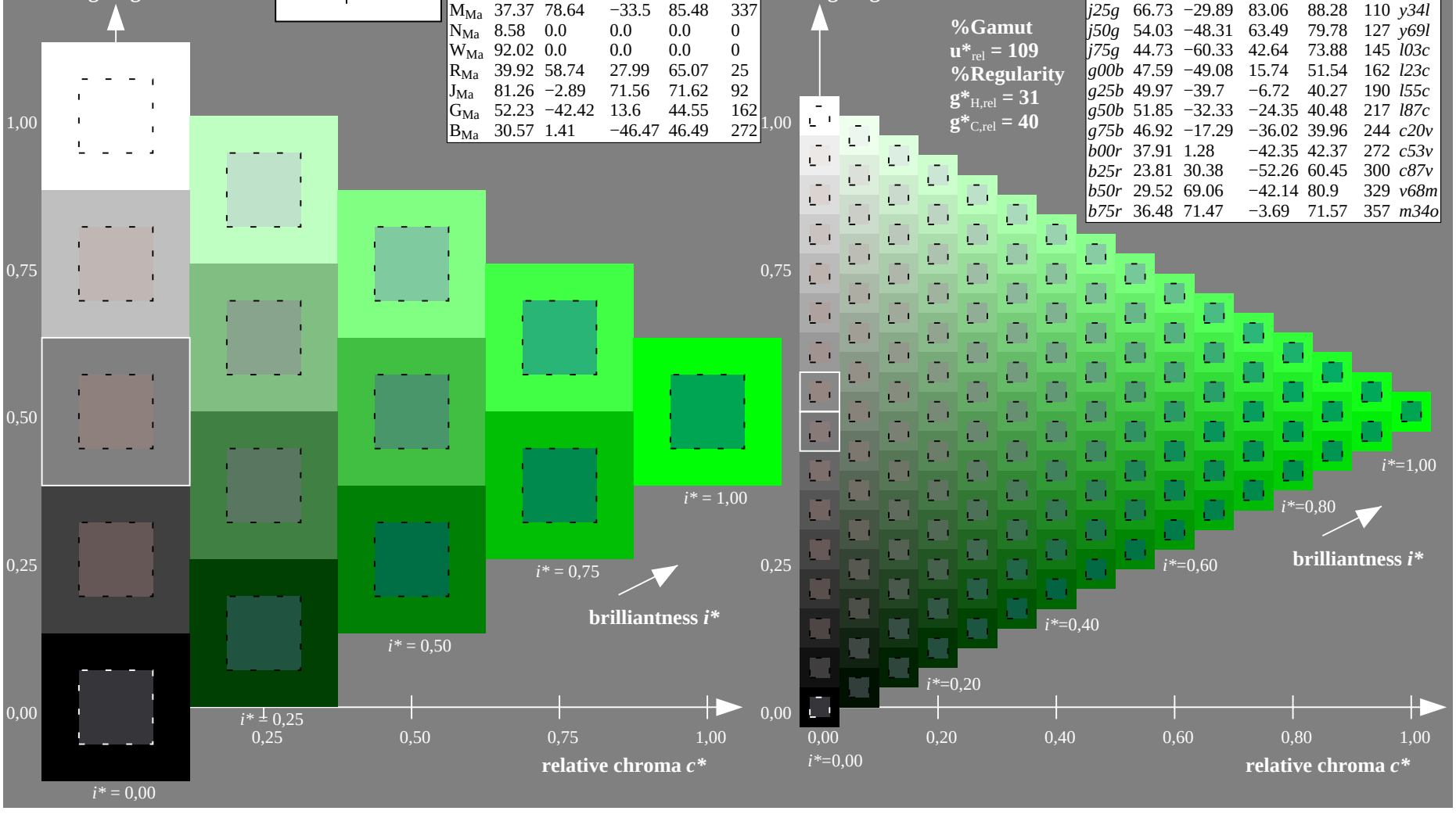
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 45 −60 43
$LAB^*LCH^*_{Ma}$: 45 74 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

FRS09_92aM; adapted (a) CIELAB data

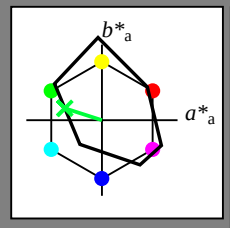
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM 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_92aM; adapted (a) CIELAB data

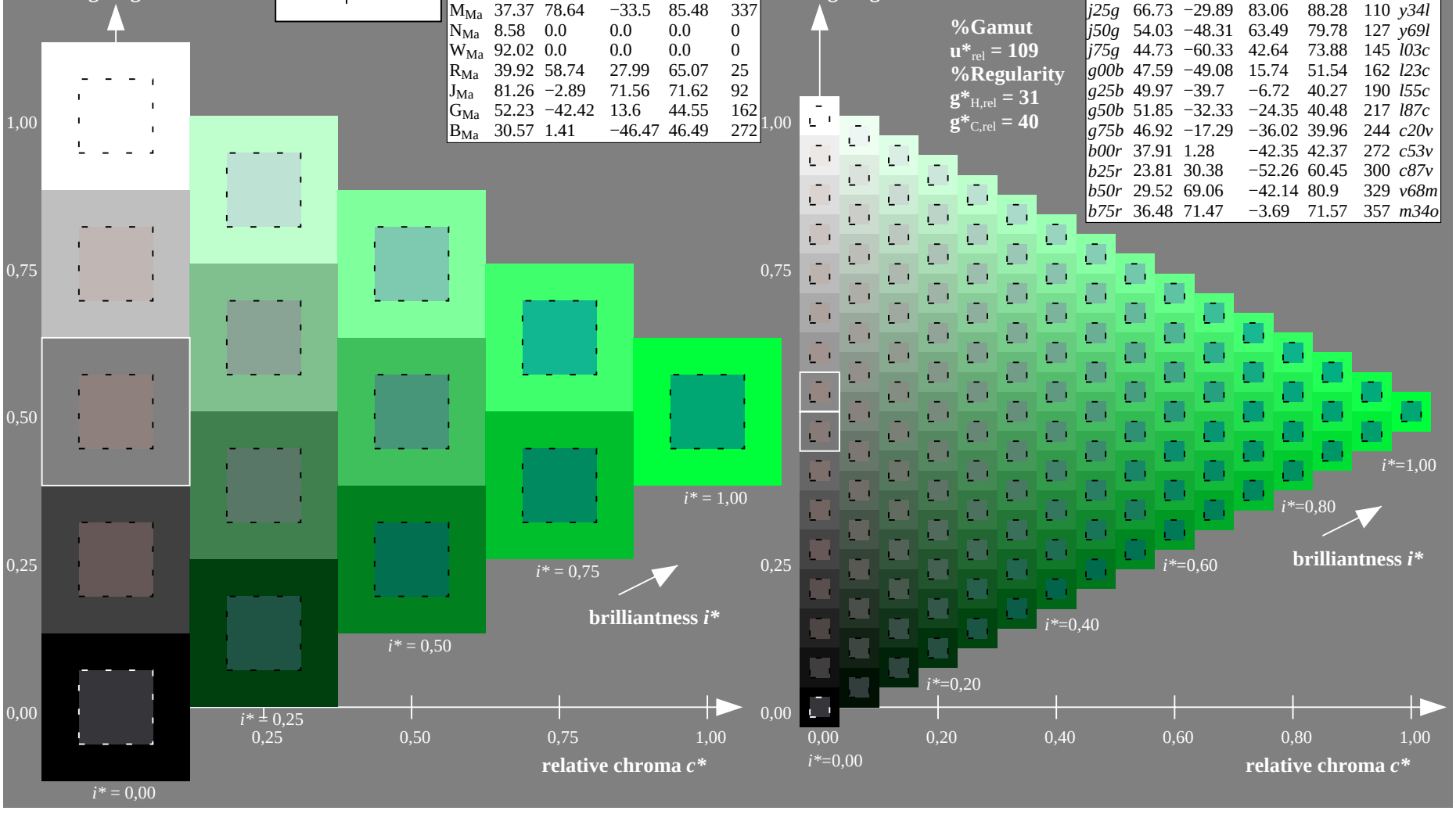
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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_92aM; adapted (a) CIELAB data

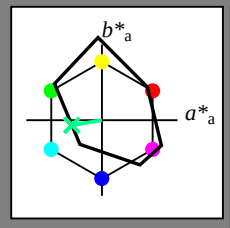
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM 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_92aM; adapted (a) CIELAB data

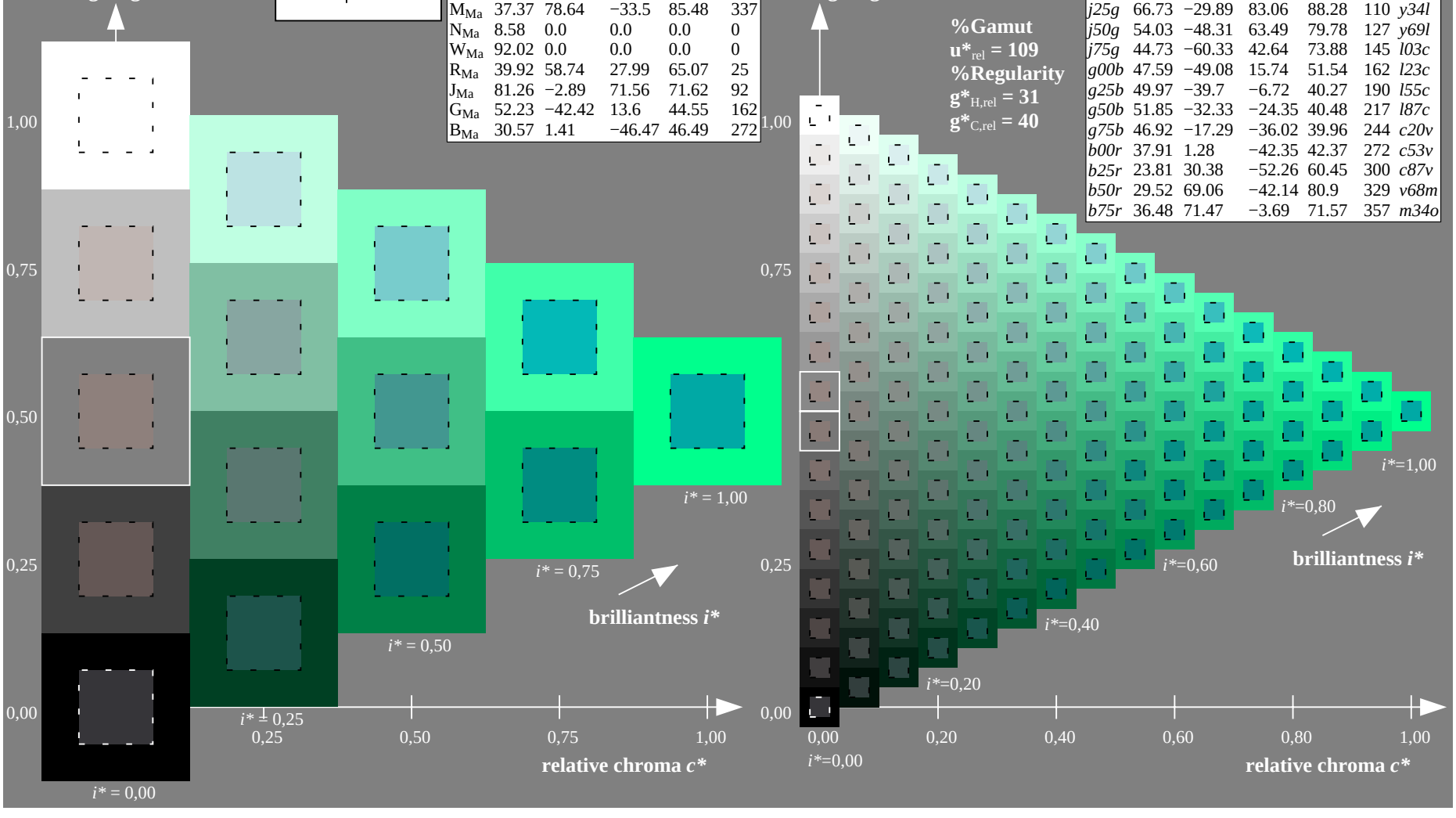
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0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

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

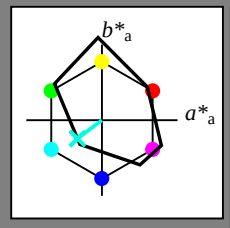
FRS09_92aM; adapted (a) CIELAB data

*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_92aM 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_92aM; adapted (a) CIELAB data

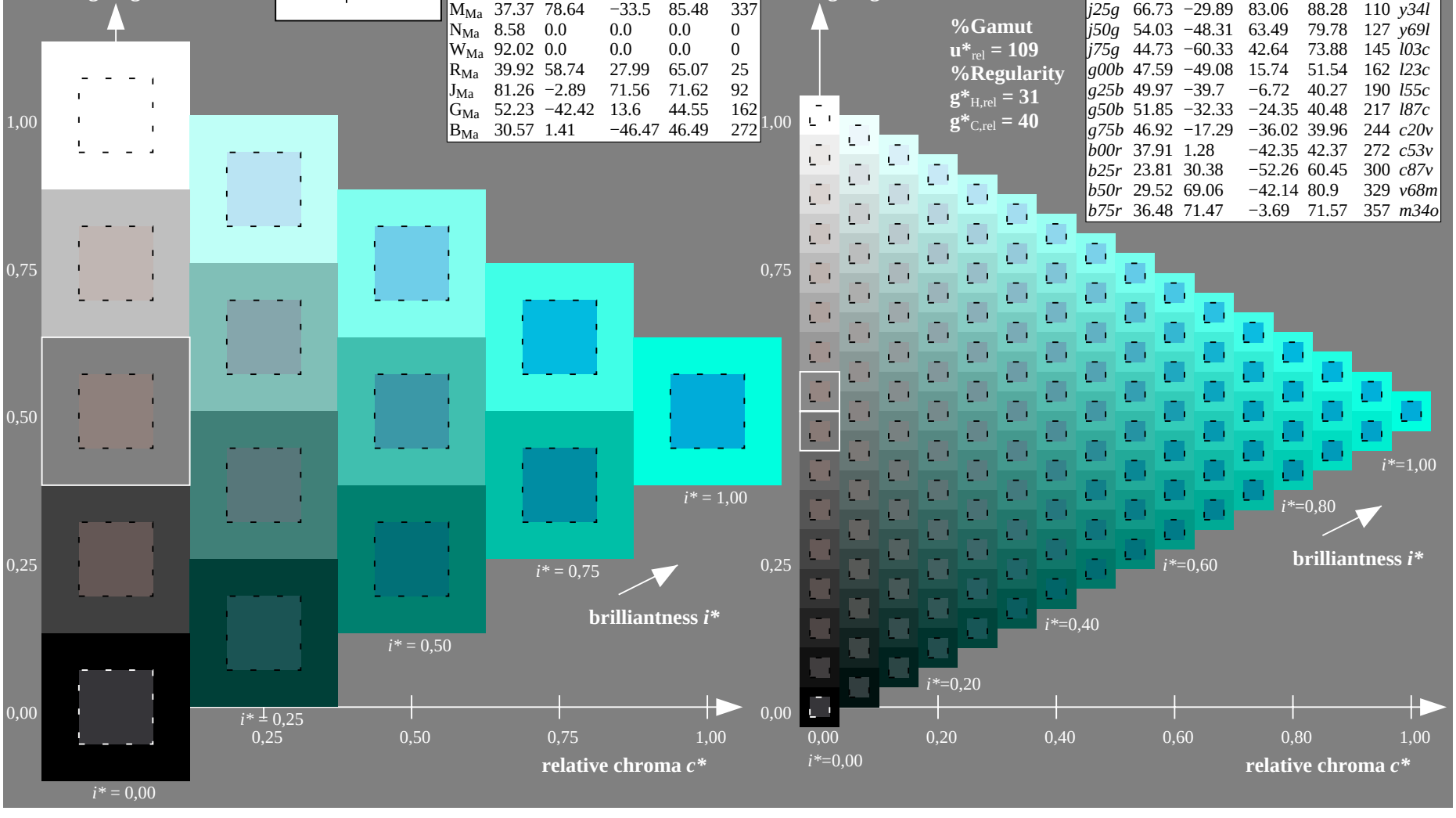
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

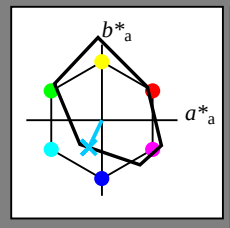
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

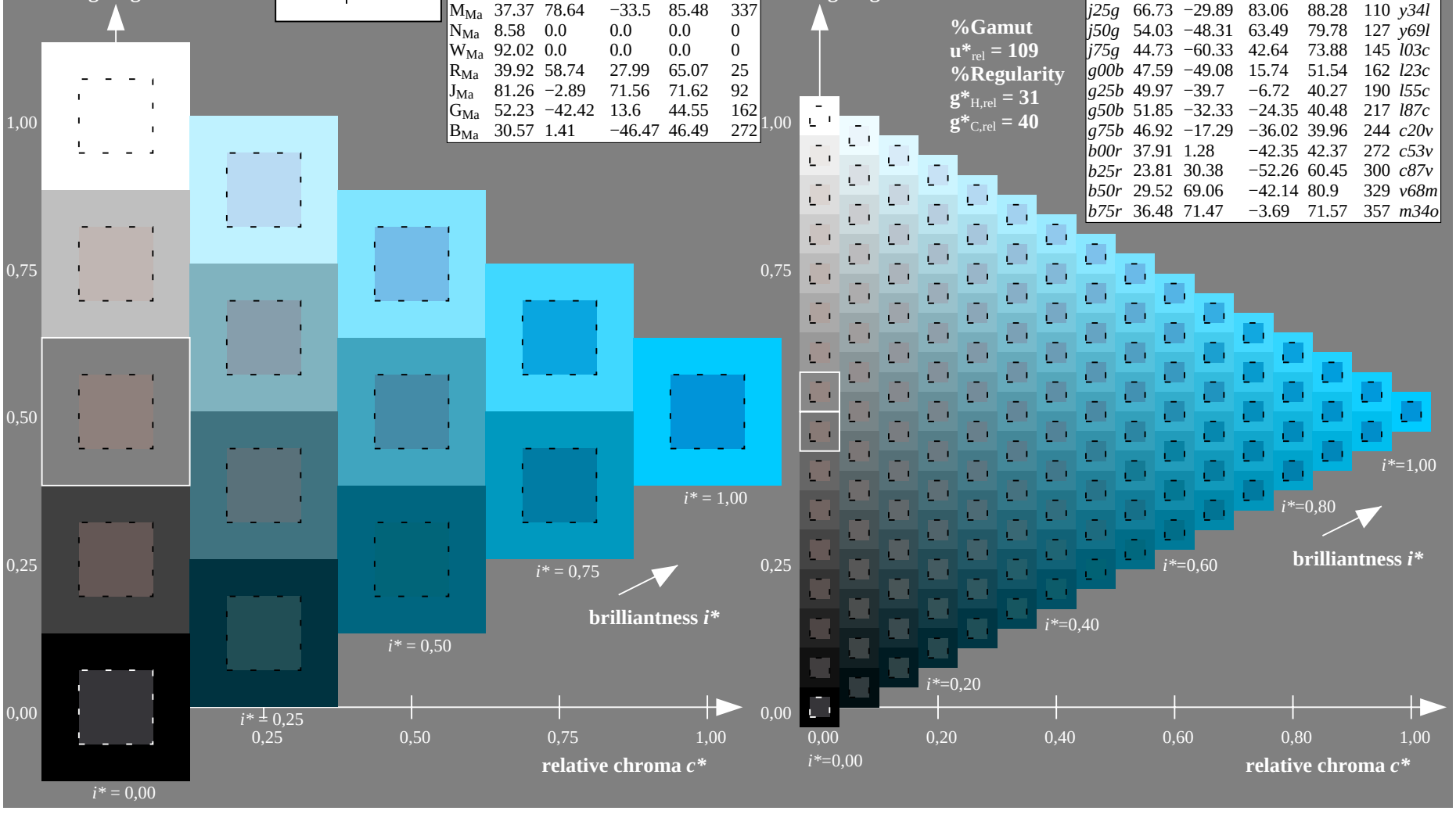
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

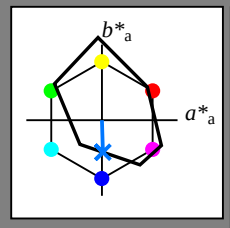
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

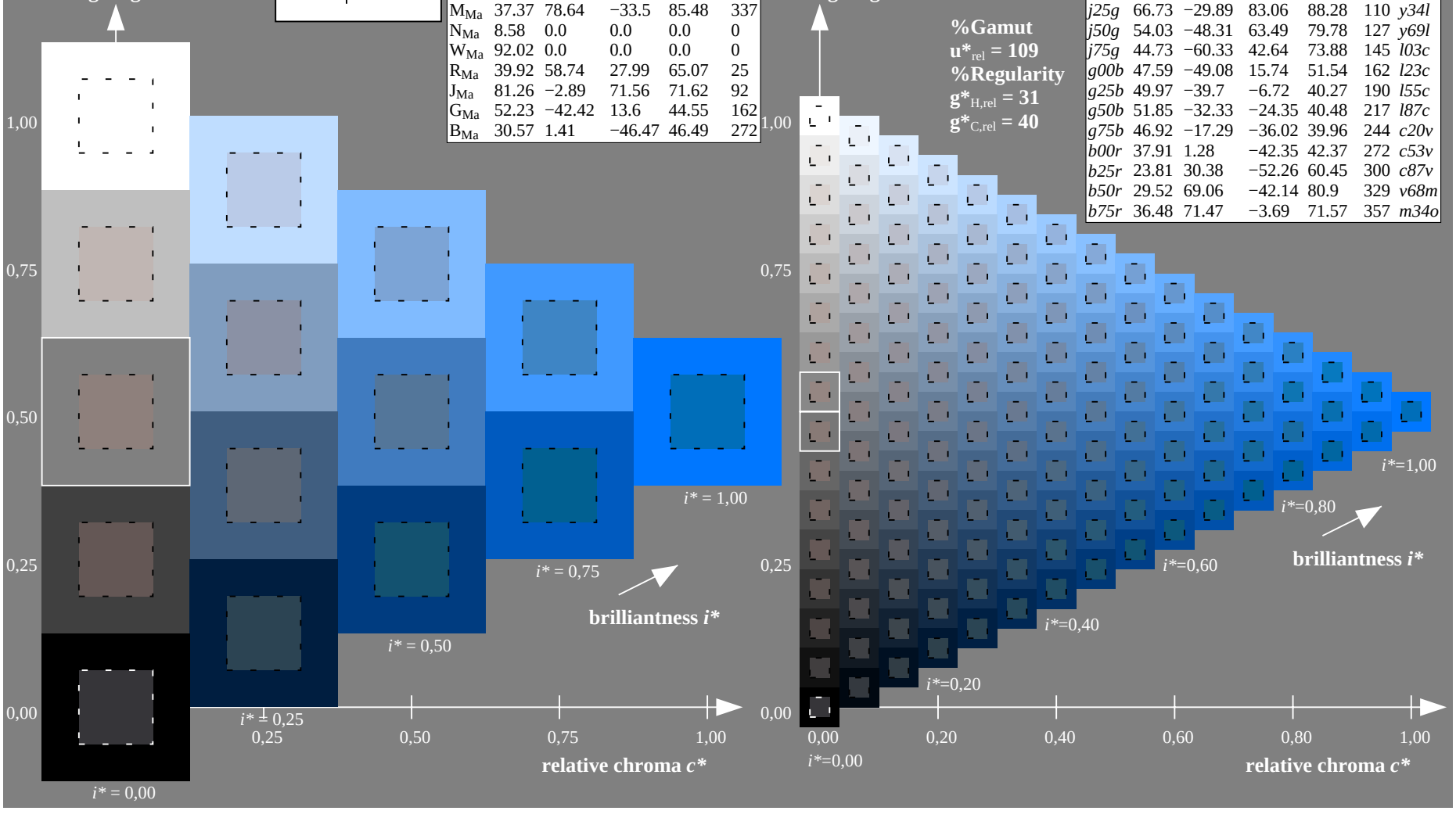
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

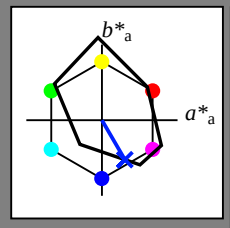
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

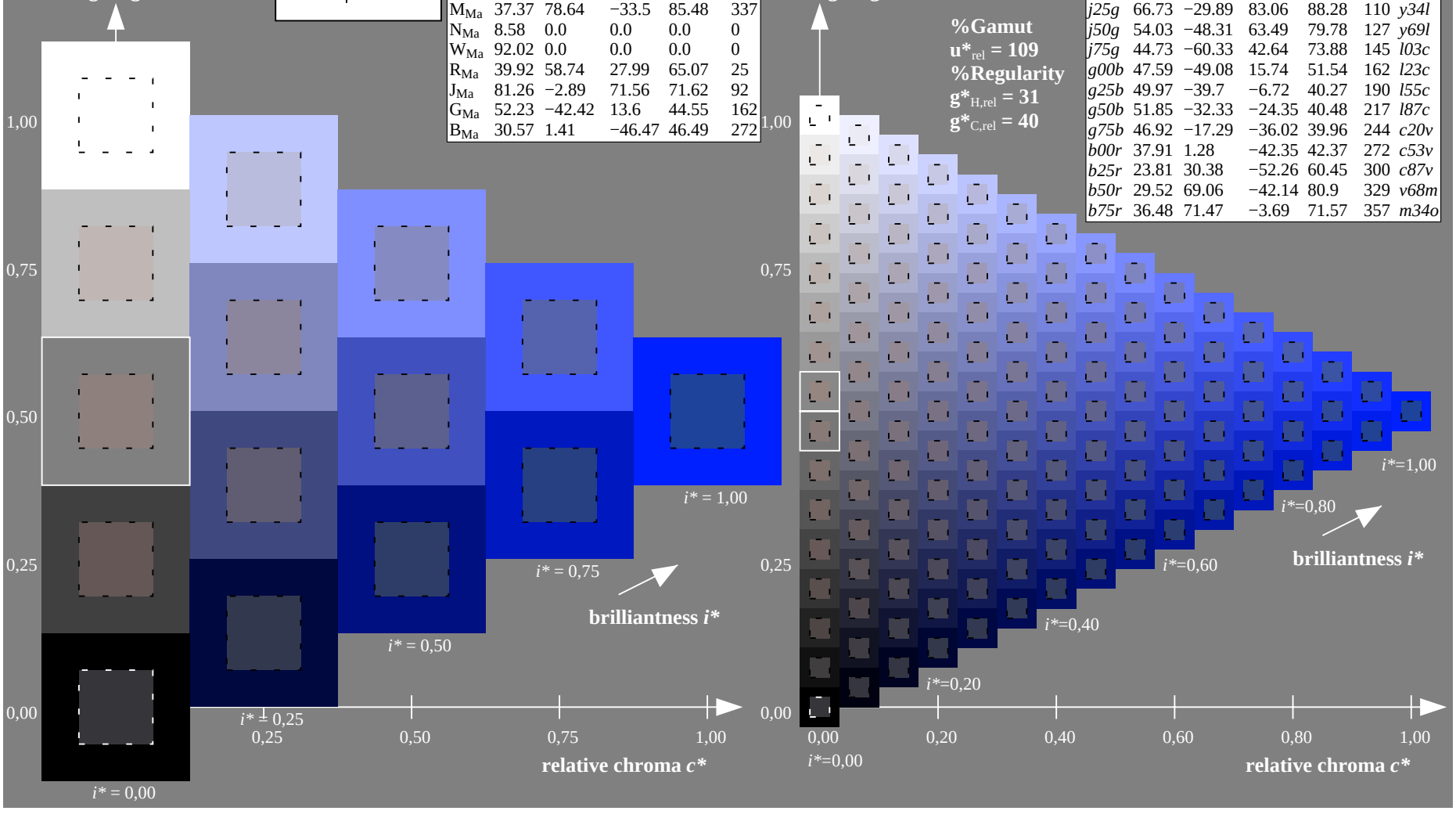
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

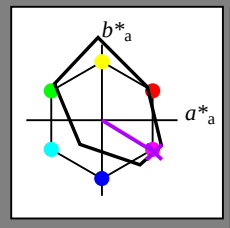
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

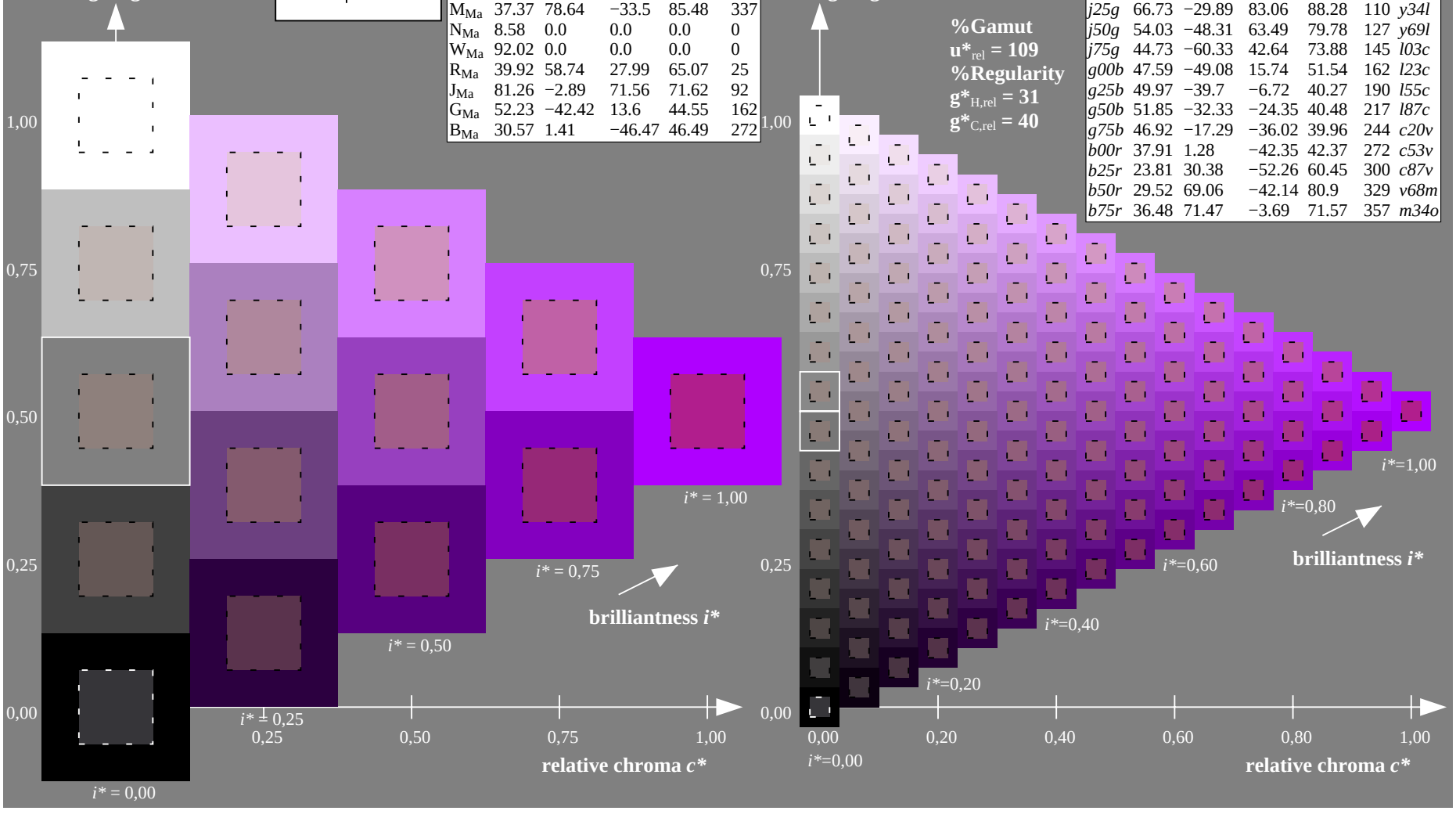
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

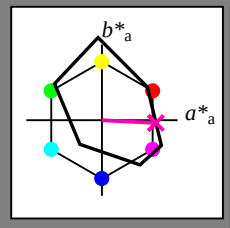
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

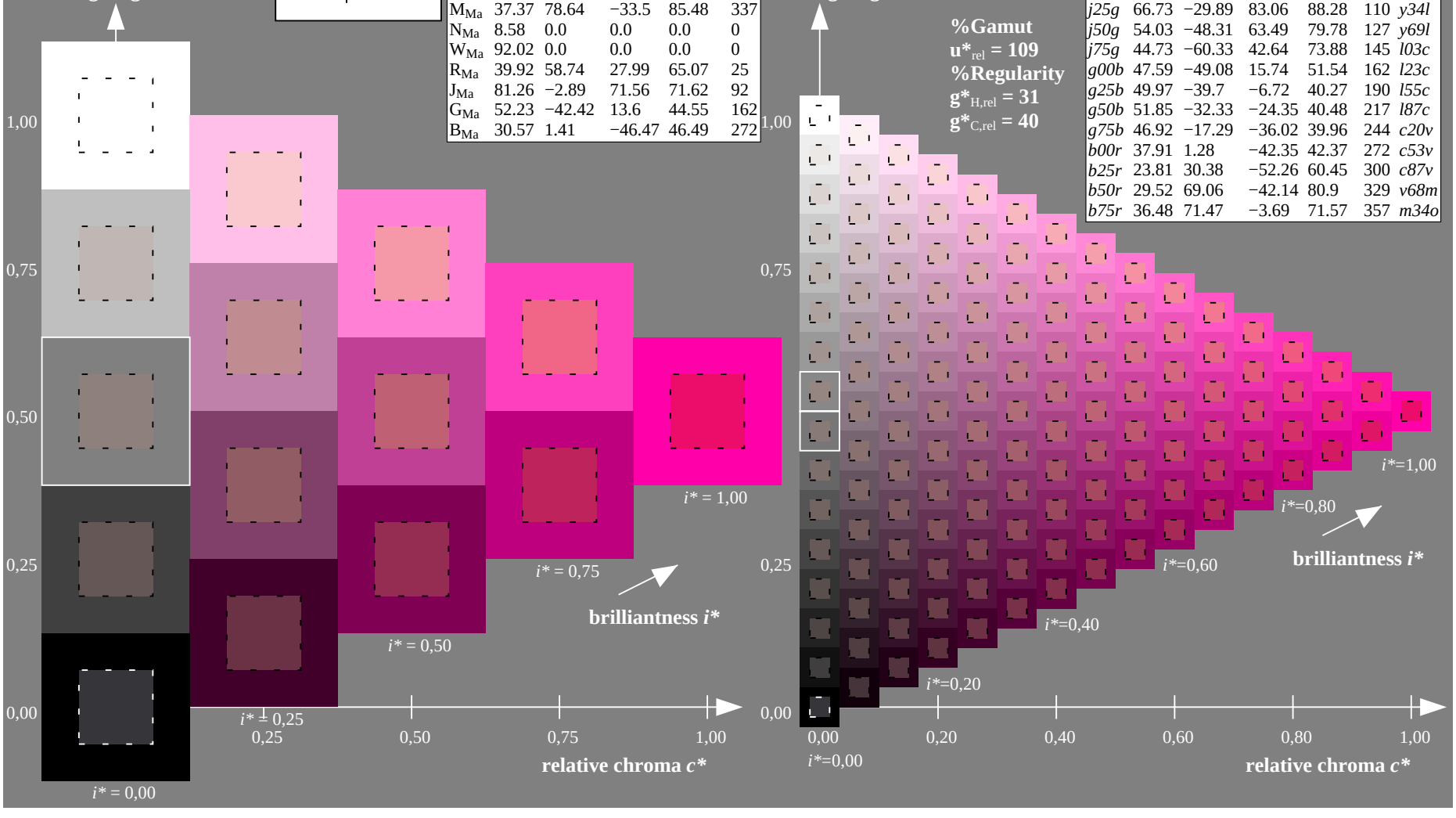
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

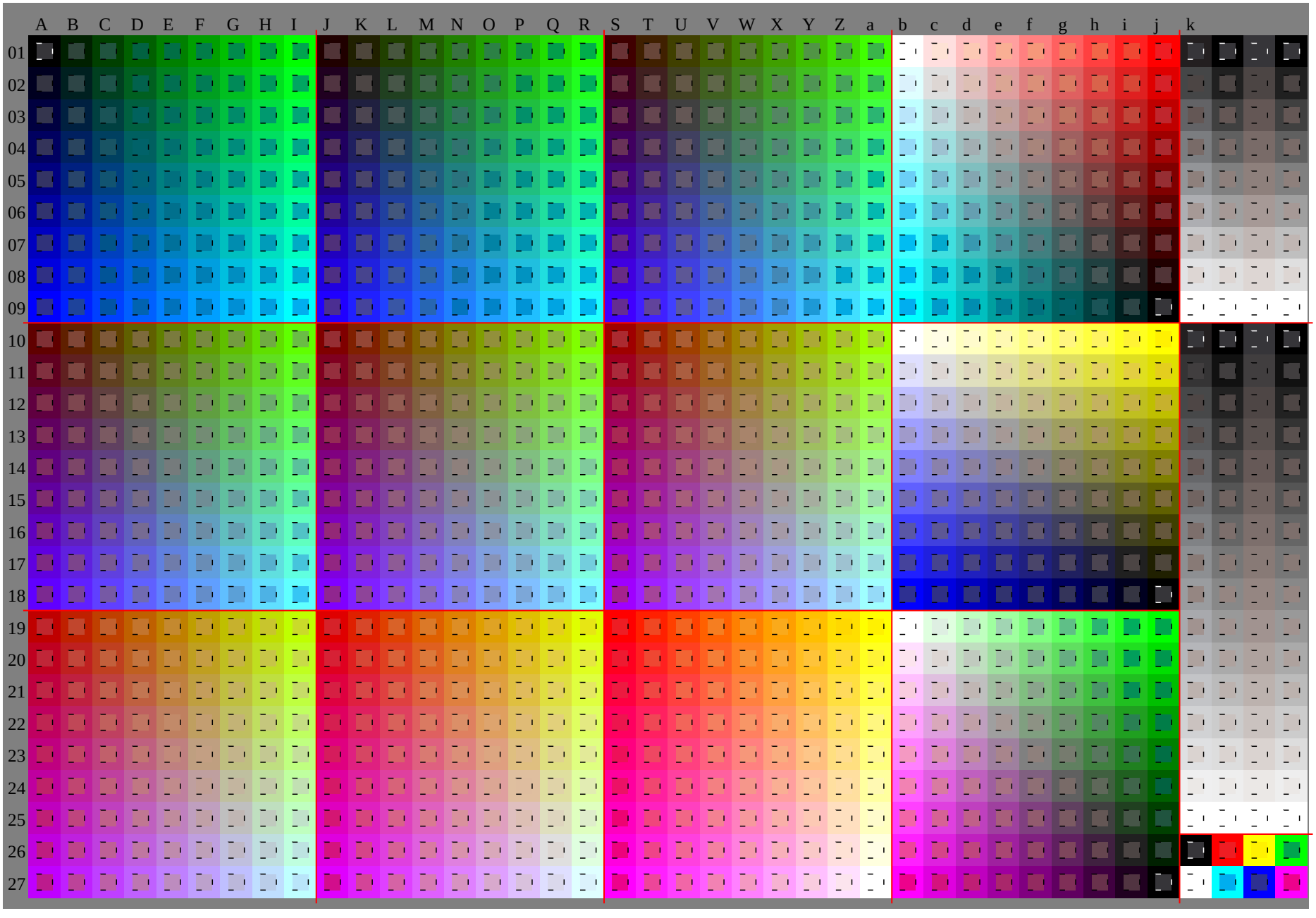
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

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

FRS09_92aM; 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*

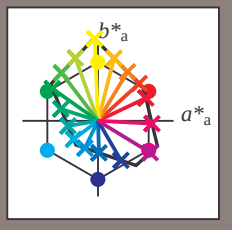




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

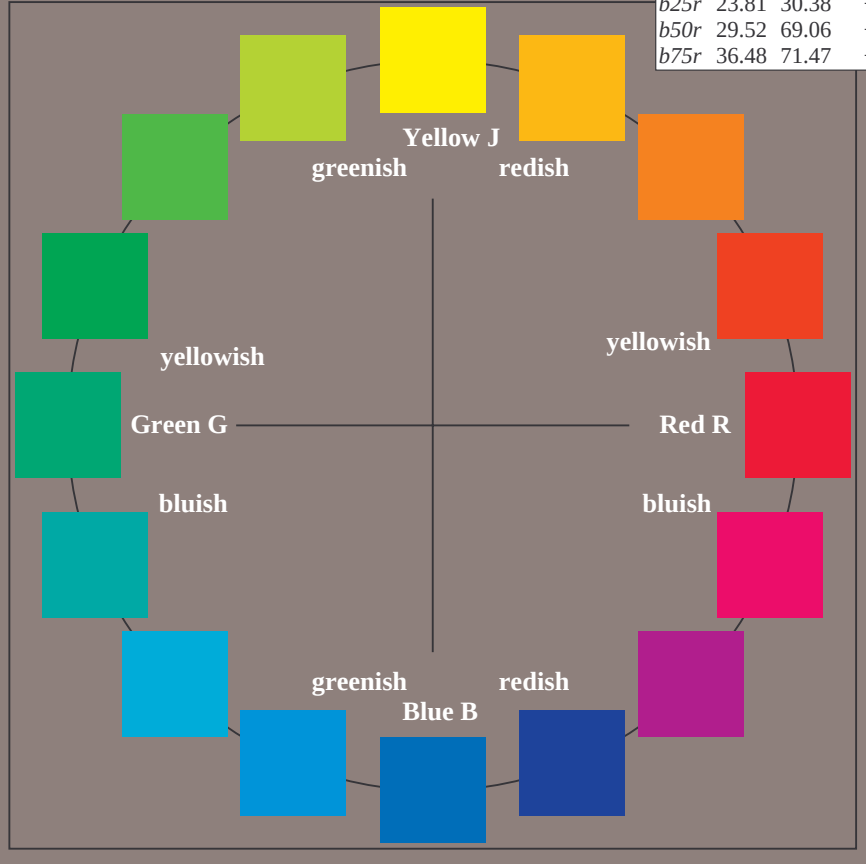
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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*

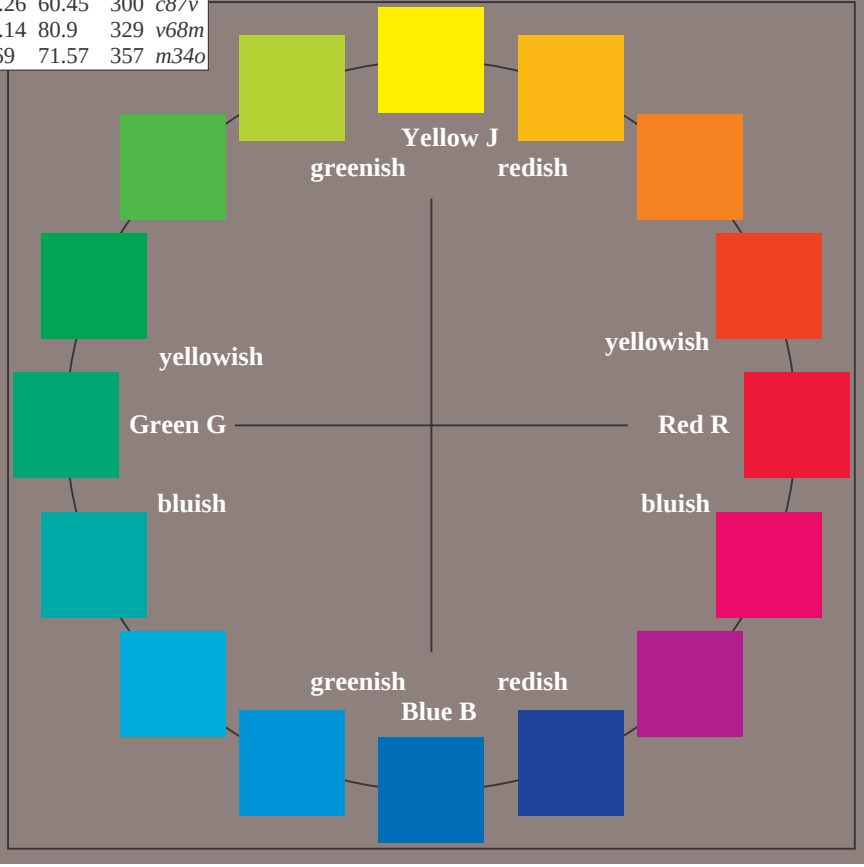


%Gamut
u*rel = 109
%Regularity
g*H,rel = 31
g*C,rel = 40

FRS09_92aM; adapted (a) CIELAB data

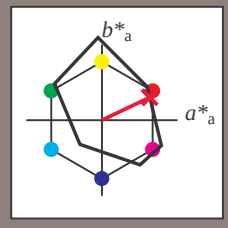
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	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





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** **u^*_e = *r00j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

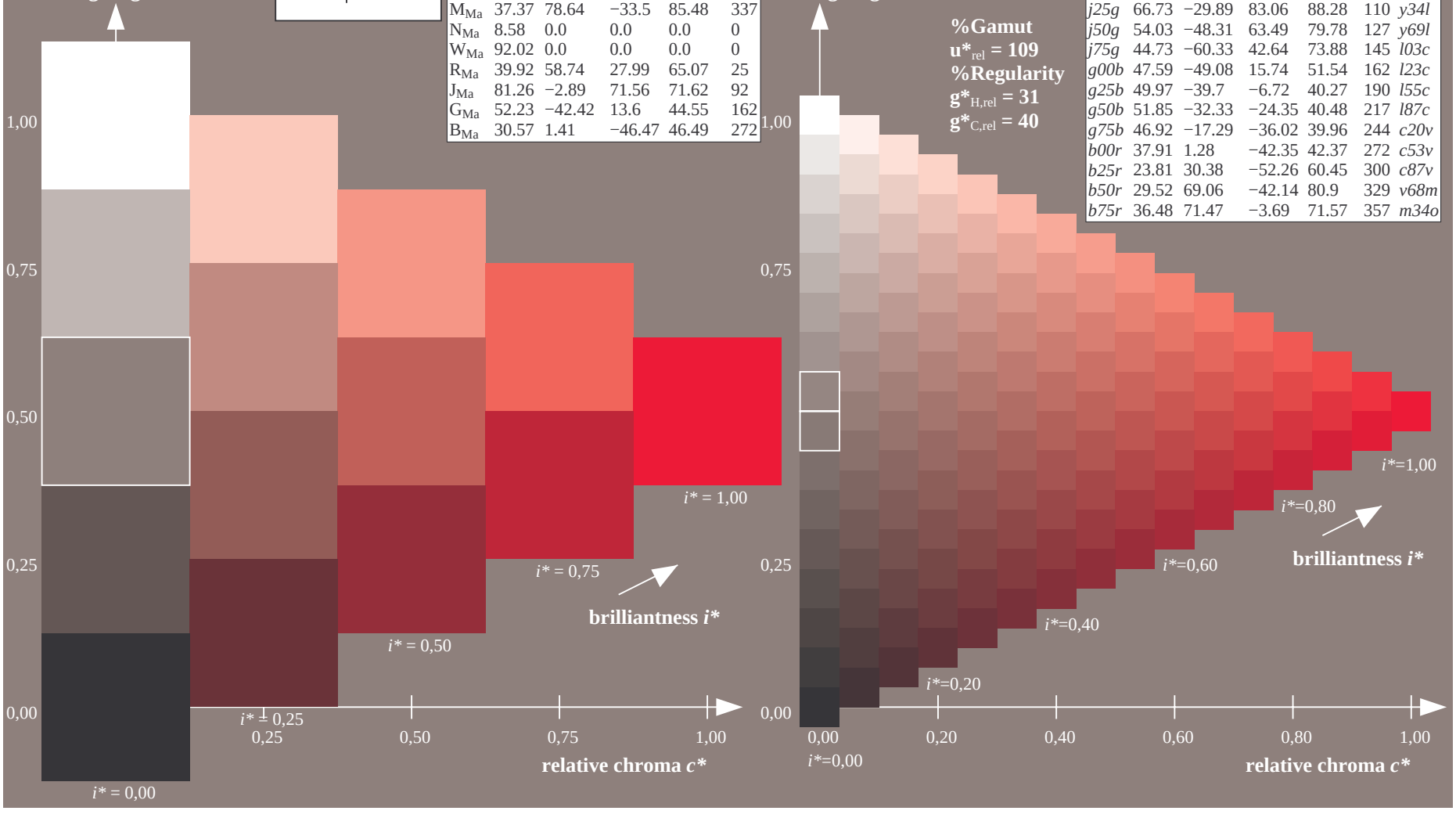
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

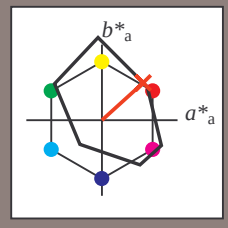
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ $u^*_e = r25j$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

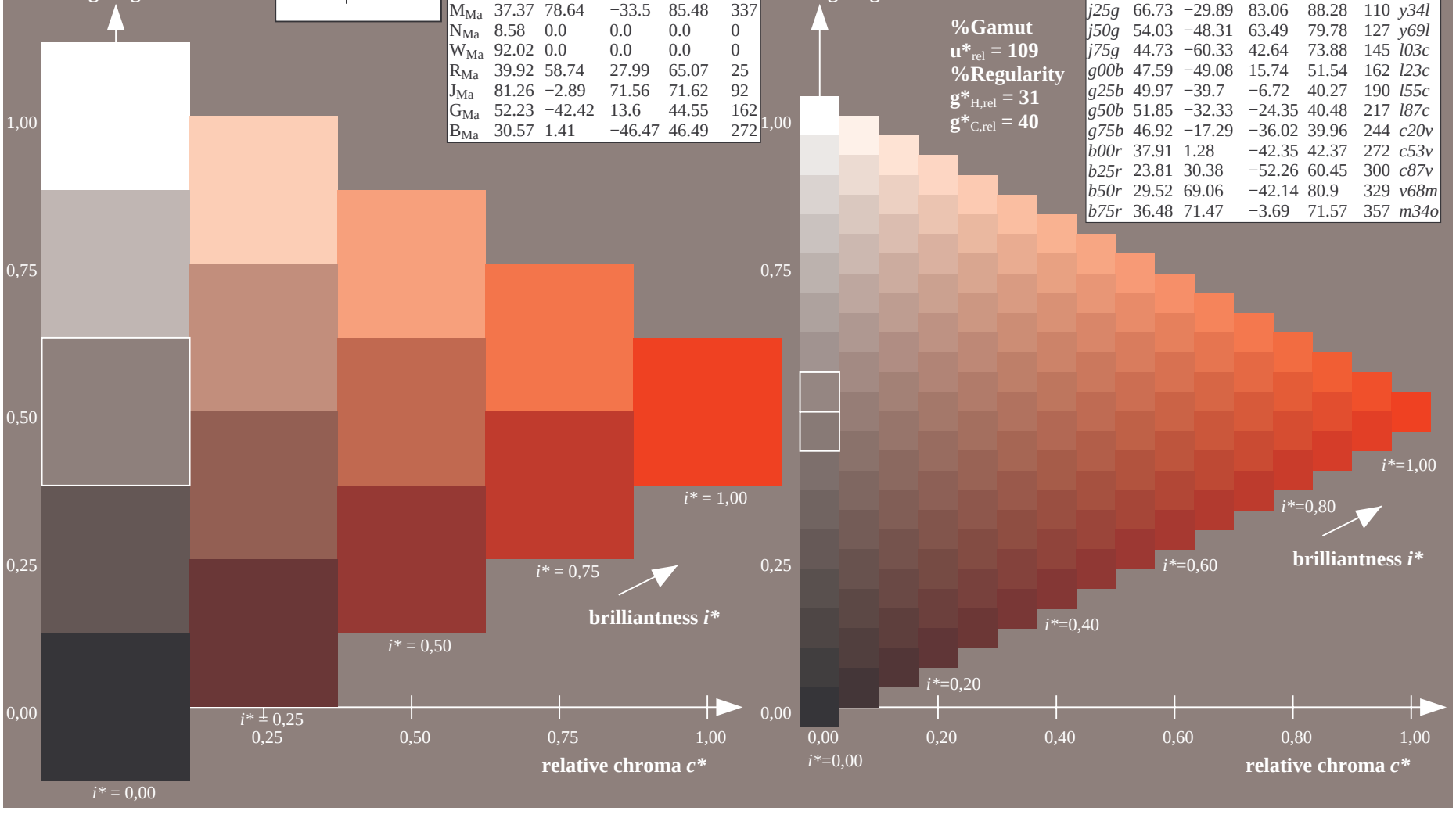
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 39 55 49
$LAB^*LCH^*_{Ma}$: 39 74 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.11 0.0
triangle lightness *t**

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

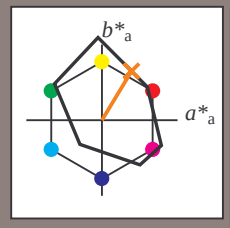
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ $u^*_e = r50j$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

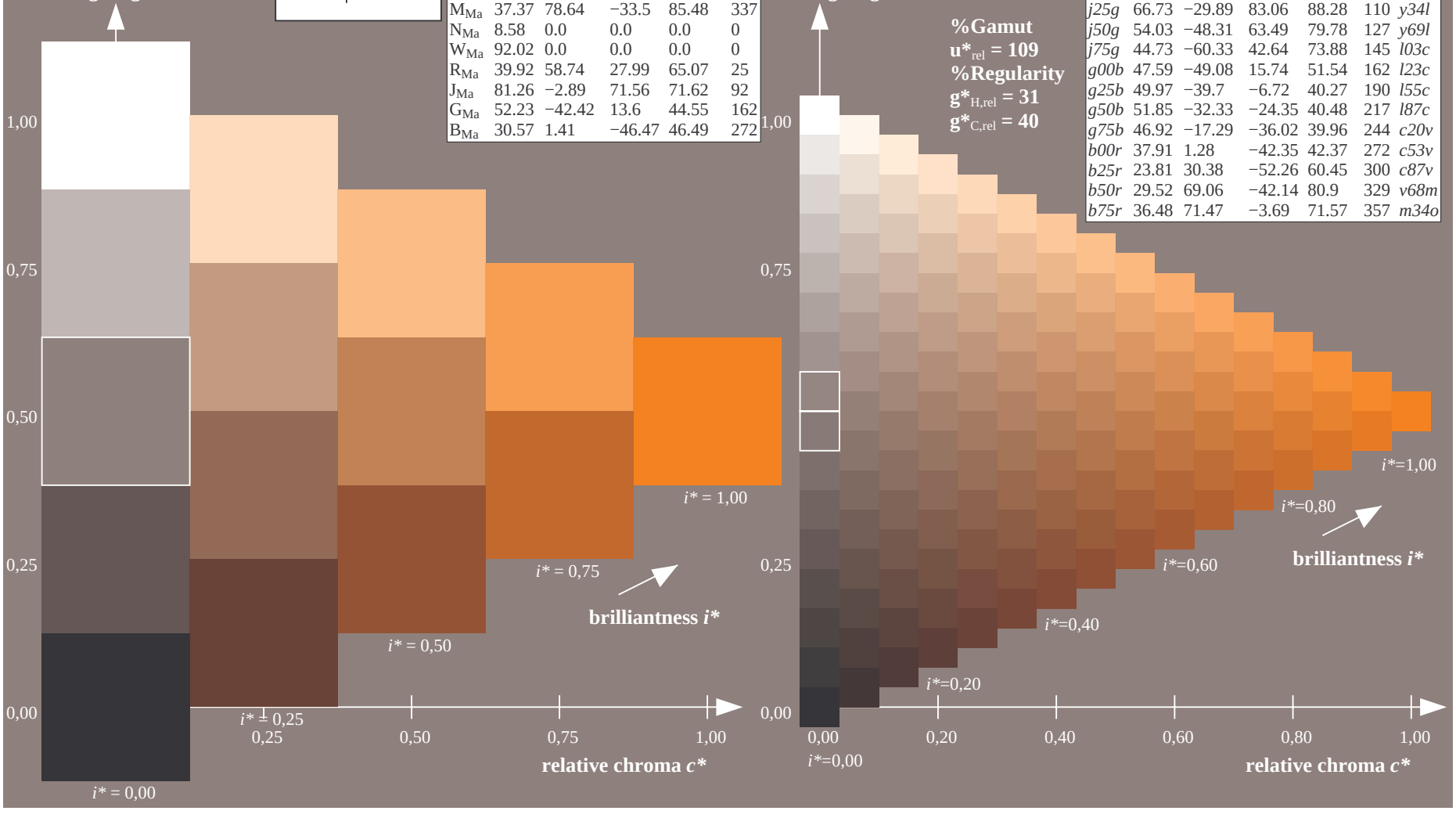
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 51 39 65
$LAB^*LCH^*_{Ma}$: 51 76 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.4 0.0
triangle lightness *t**

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

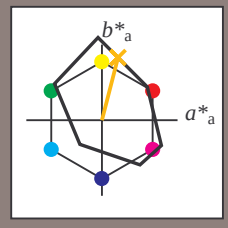
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** **u^*_e = *r75j***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

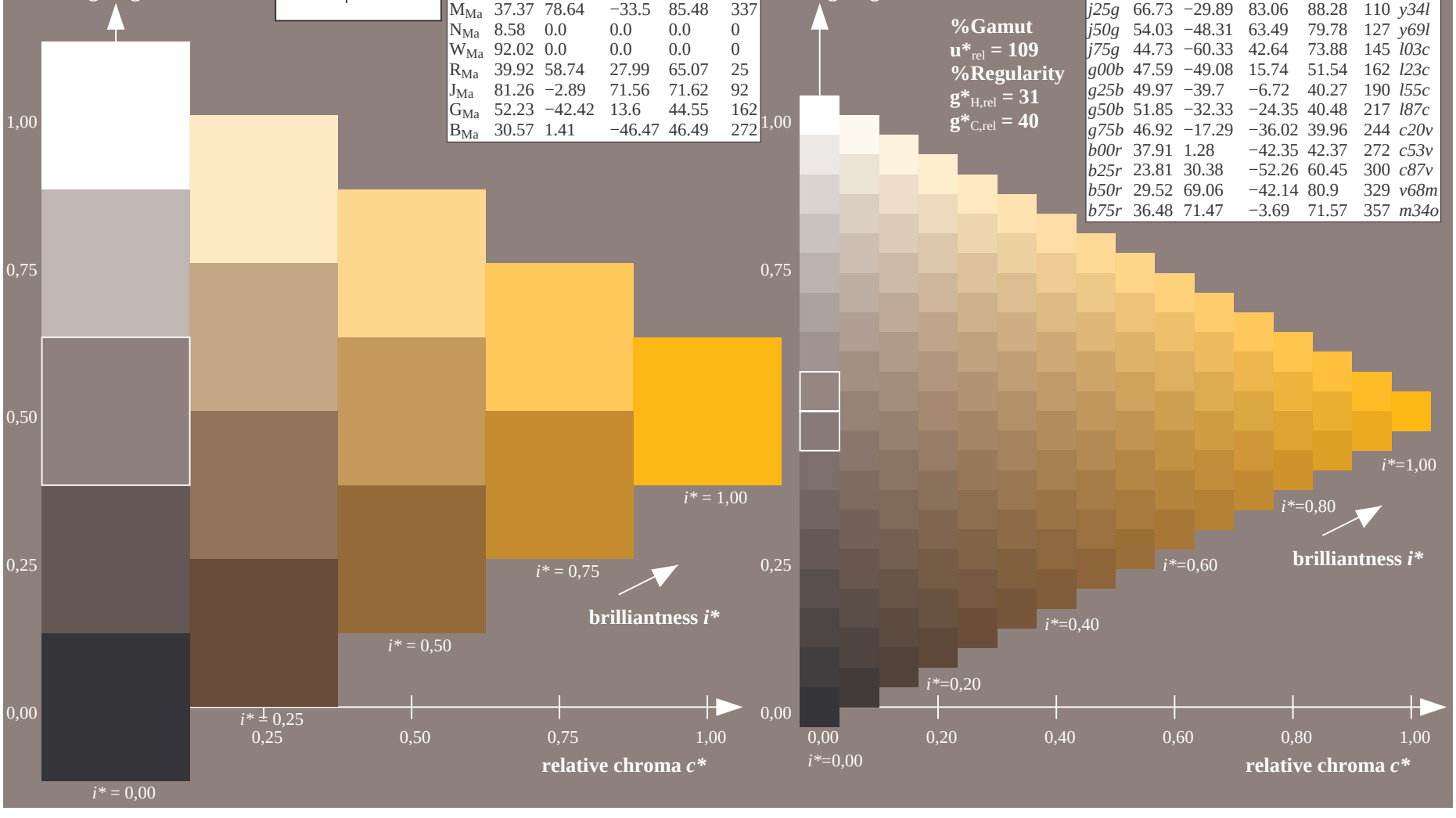
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

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

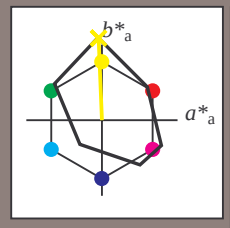
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256** **u^*_e = *j00g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

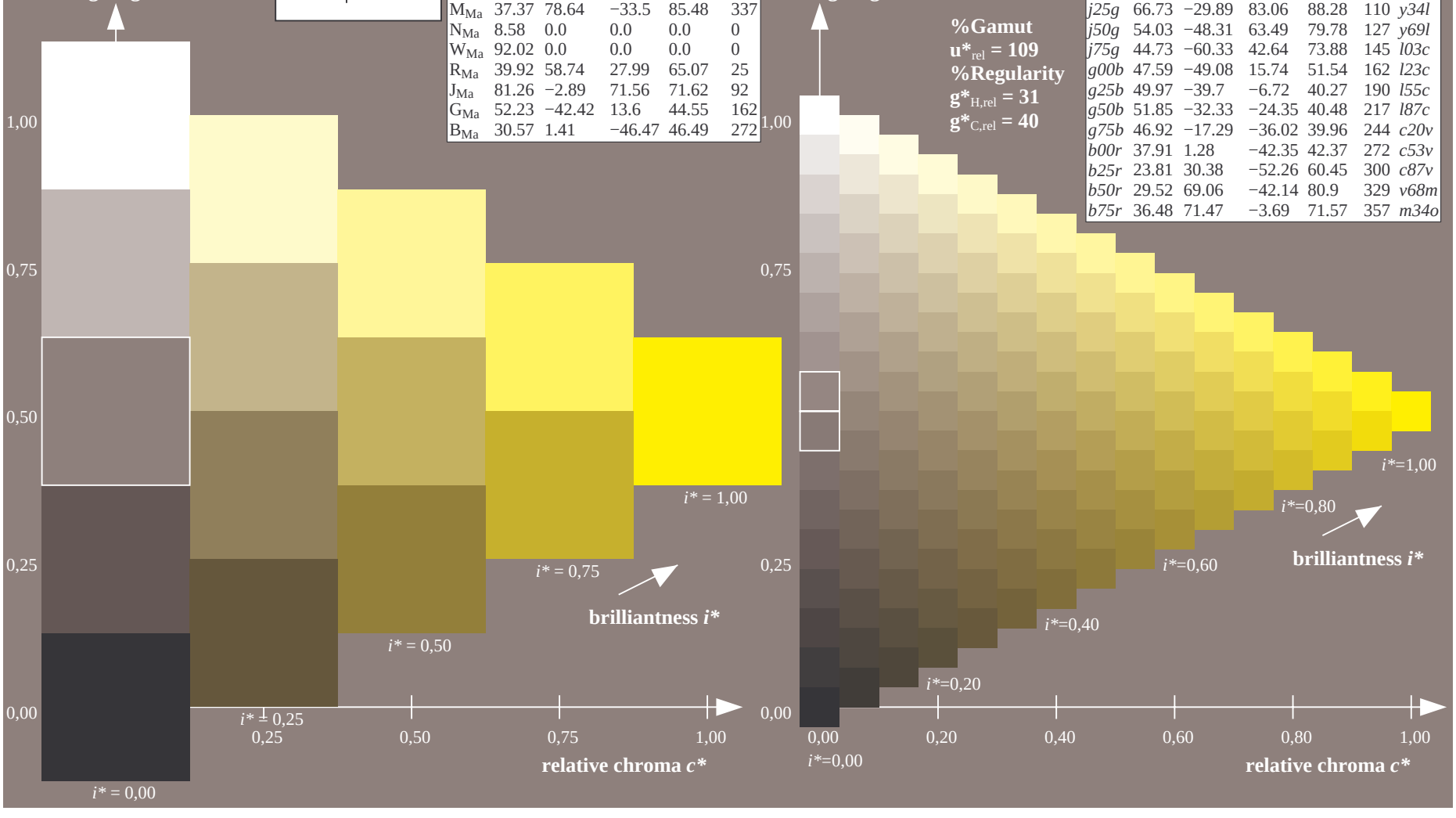
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

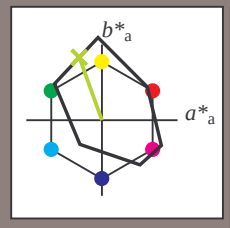
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** ***u*e = j25g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*e = j25g ***u*d = y34l***
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

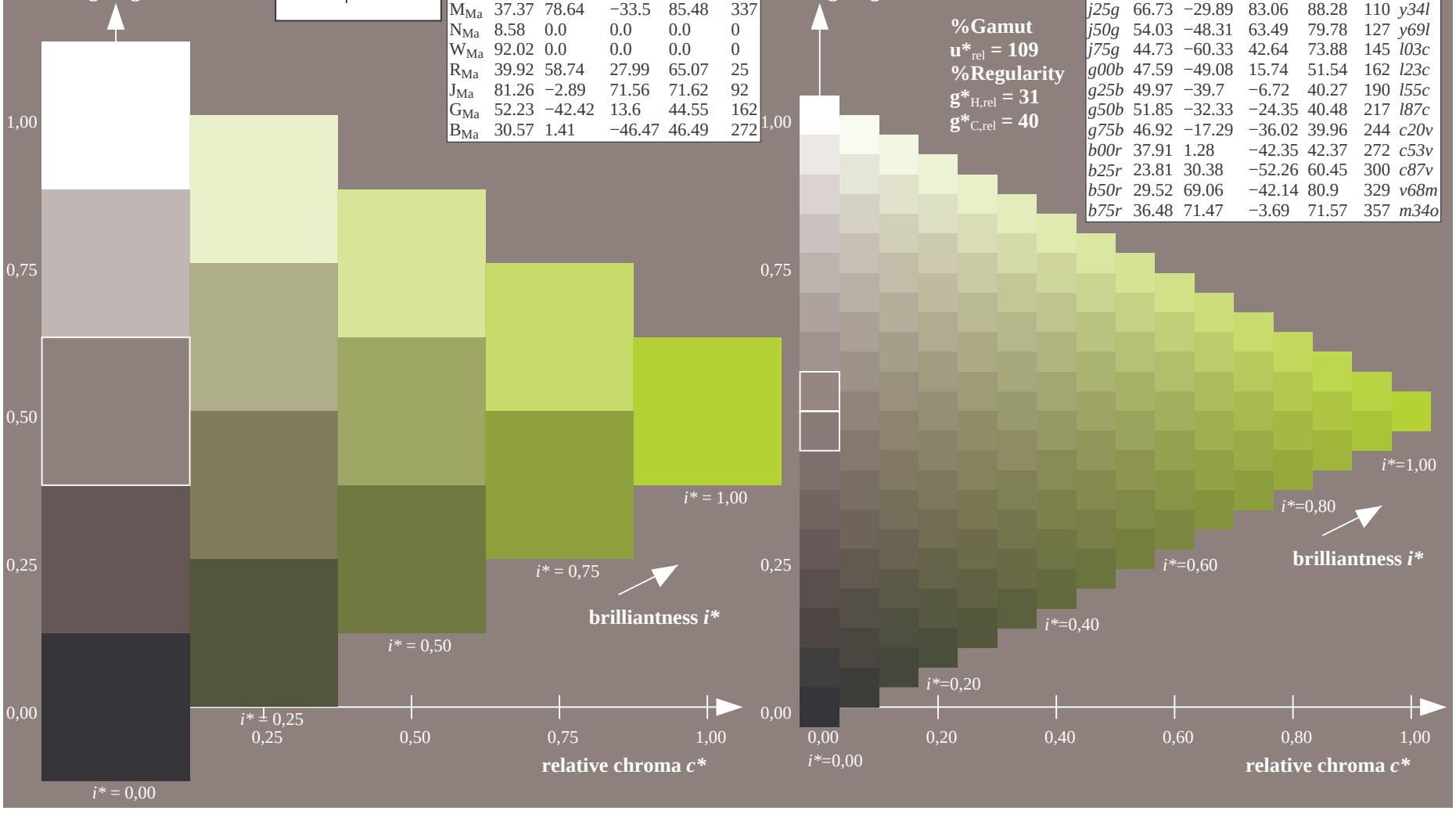
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

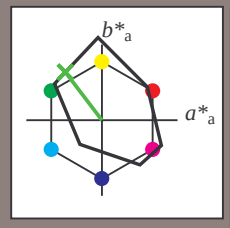
FRS09_92aM; adapted (a) CIELAB data

*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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** **u^*_e = *j50g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

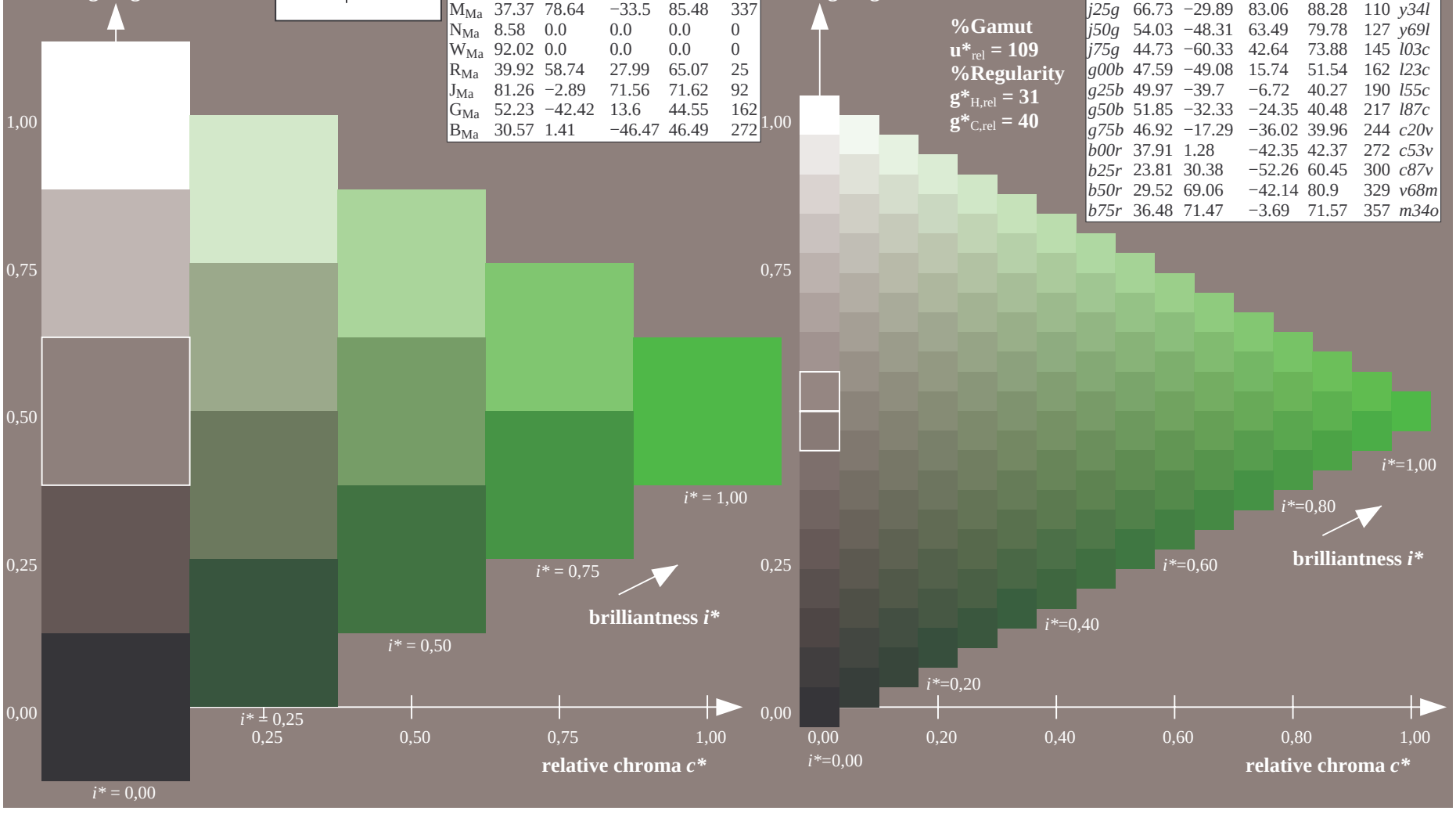
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

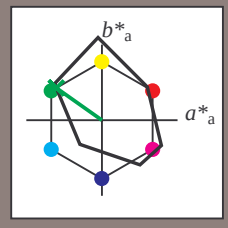
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** **u^*_e = *j75g***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

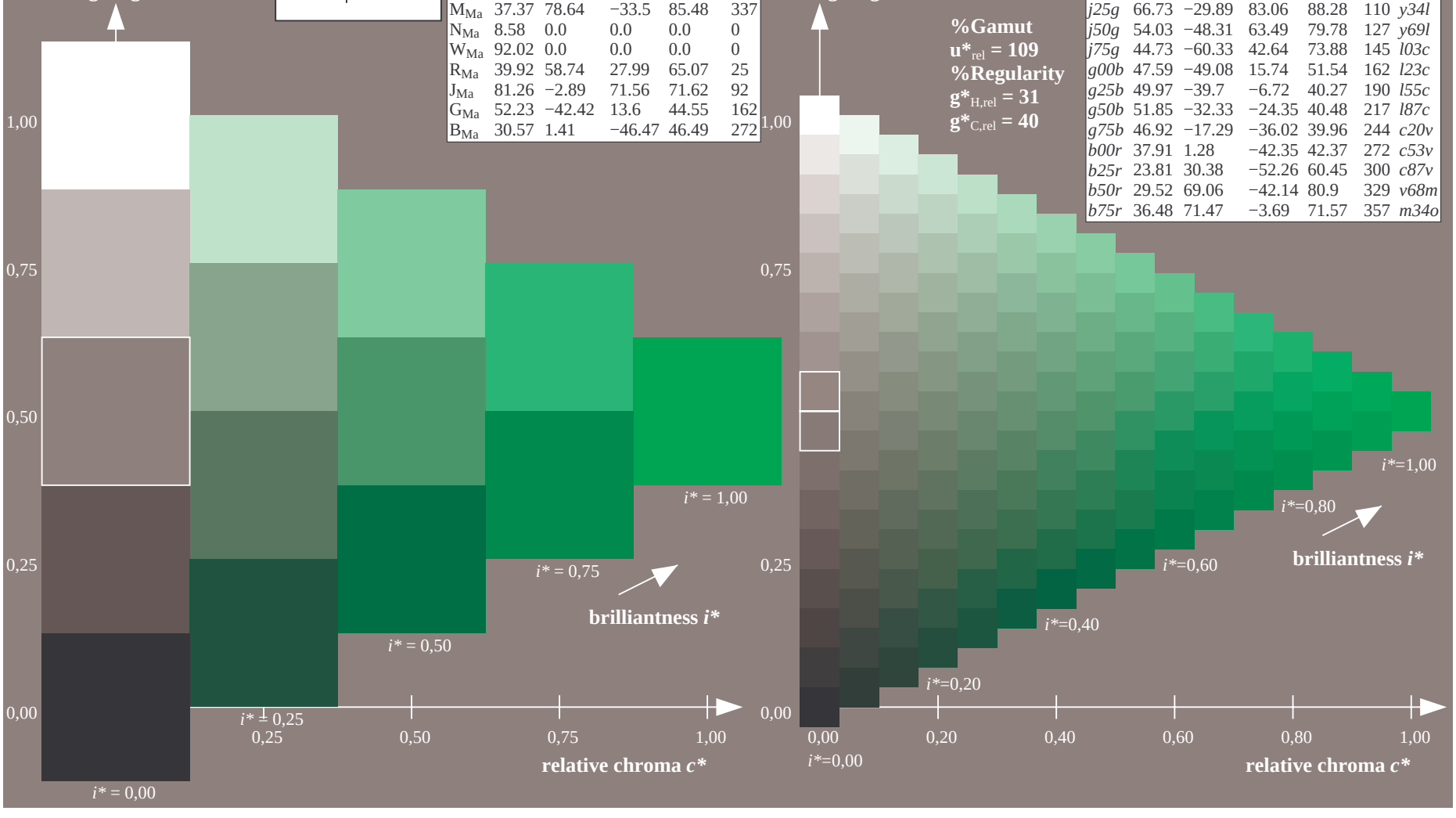
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 45 −60 43**
LAB*LCH*$_{Ma}$**: 45 74 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.03**
triangle lightness *t**

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

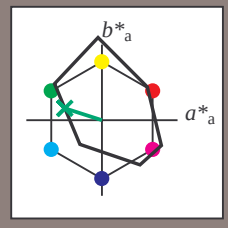
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

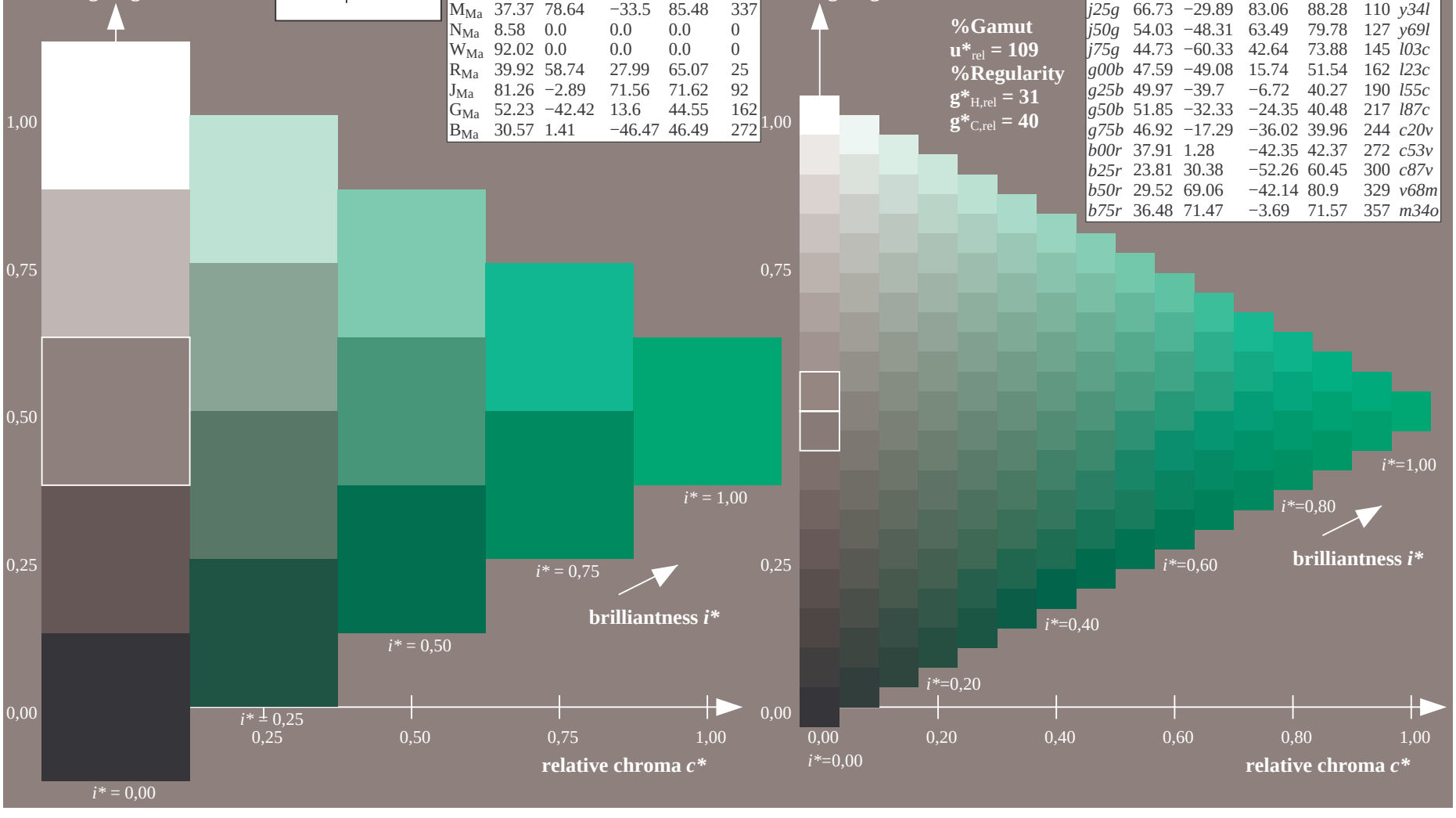
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

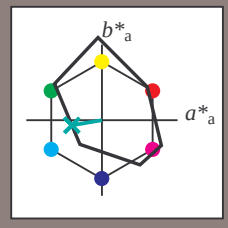
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

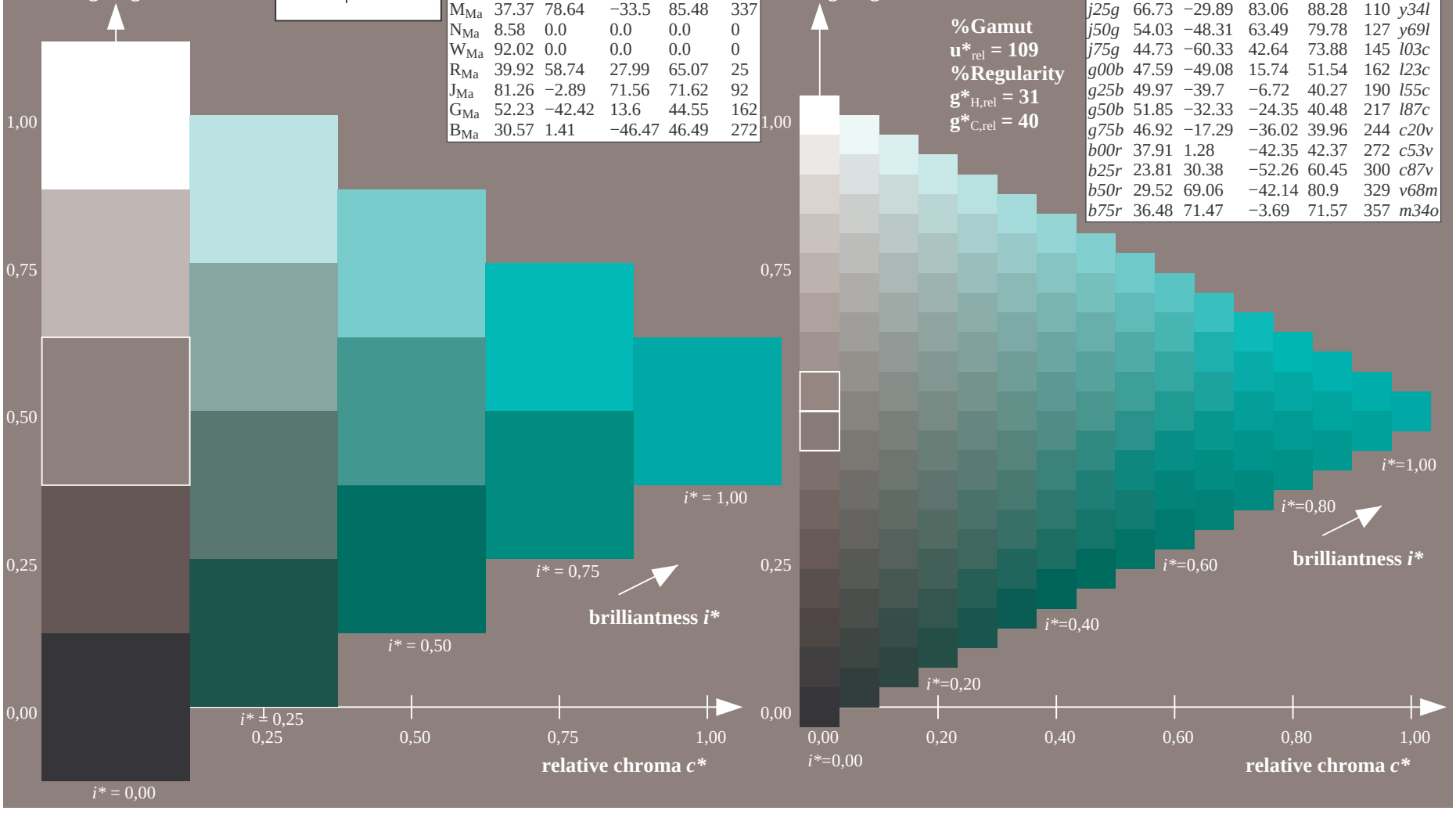
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

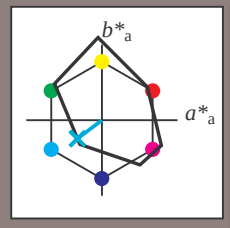
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

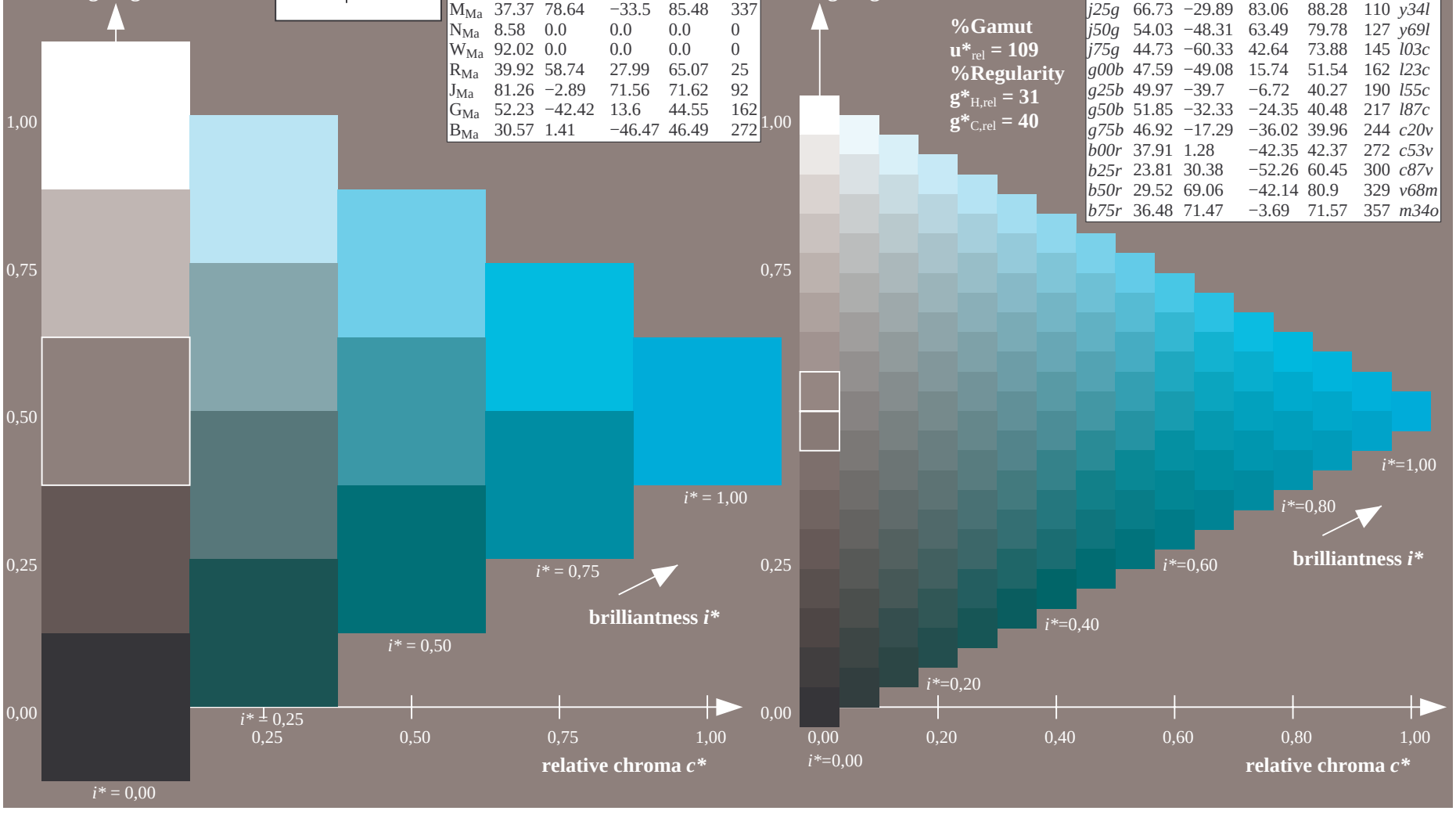
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

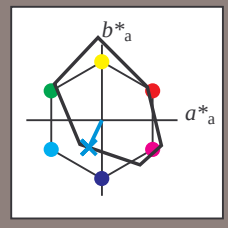
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

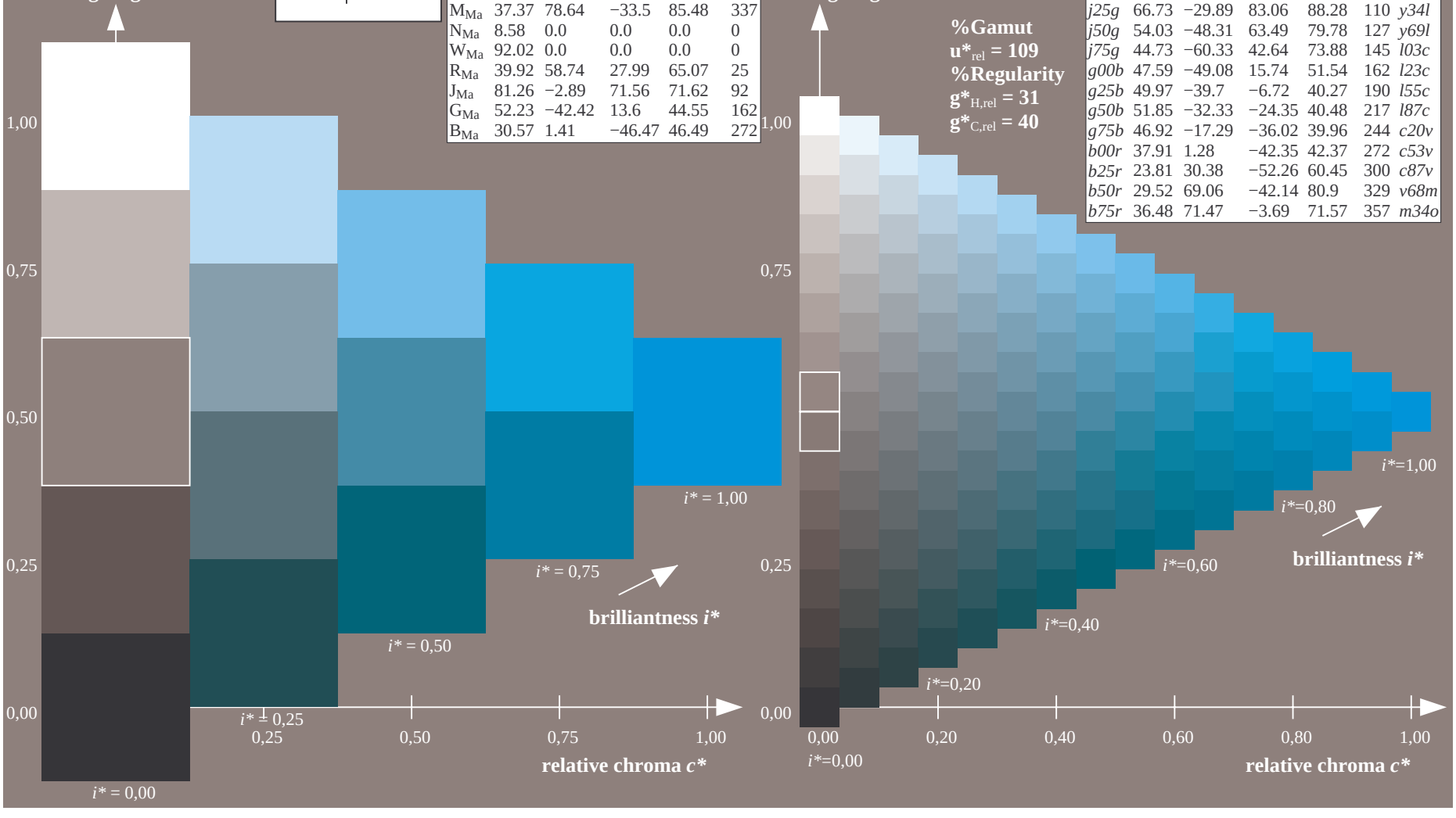
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0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

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

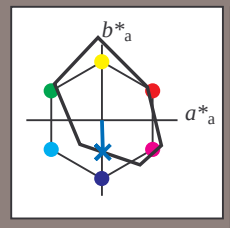
FRS09_92aM; adapted (a) CIELAB data

*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_92aM 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_92aM; adapted (a) CIELAB data

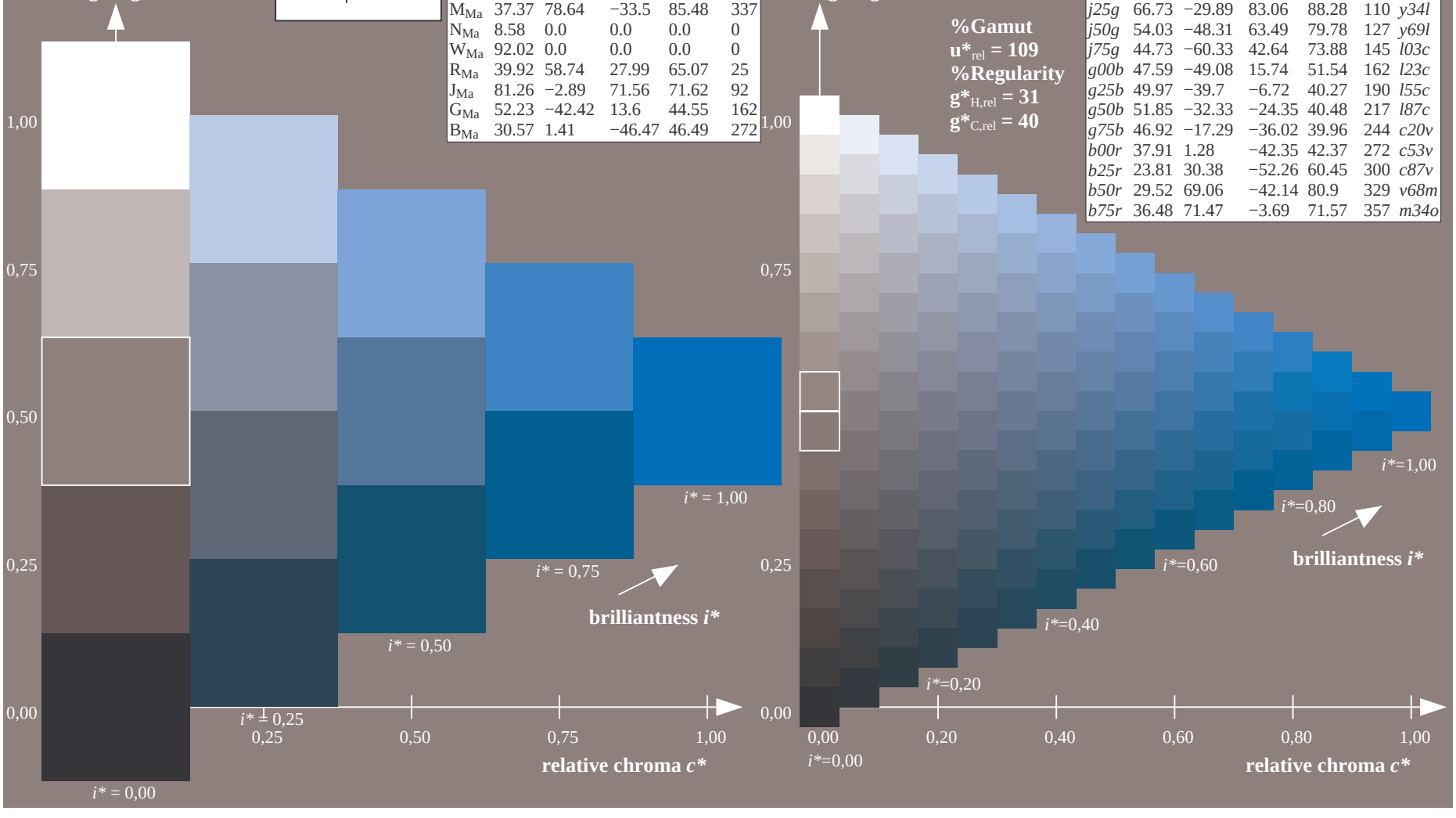
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

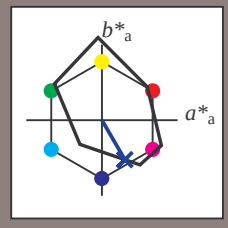
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

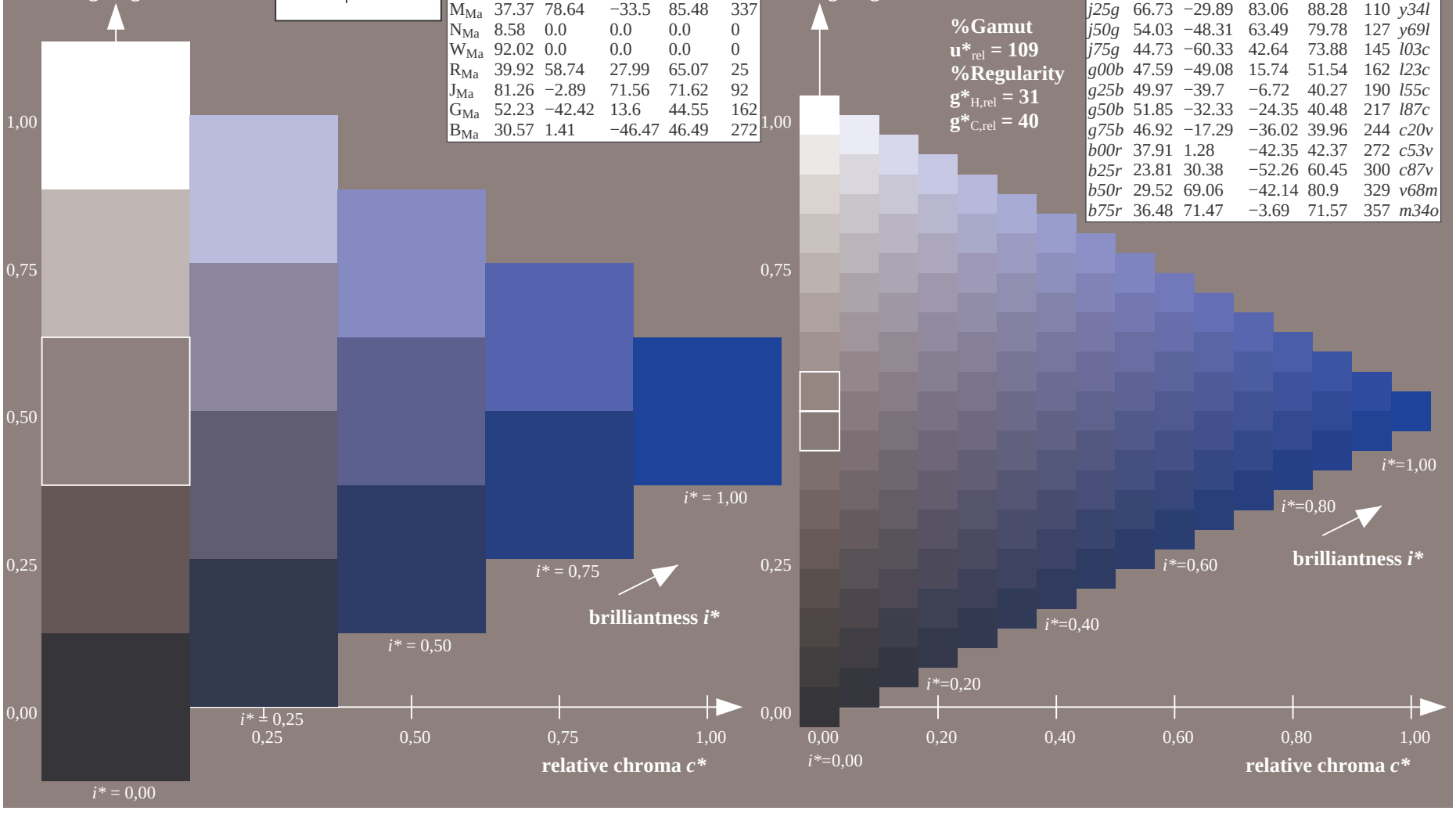
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

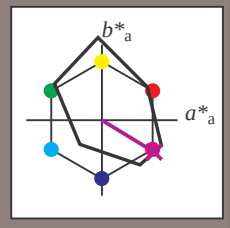
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

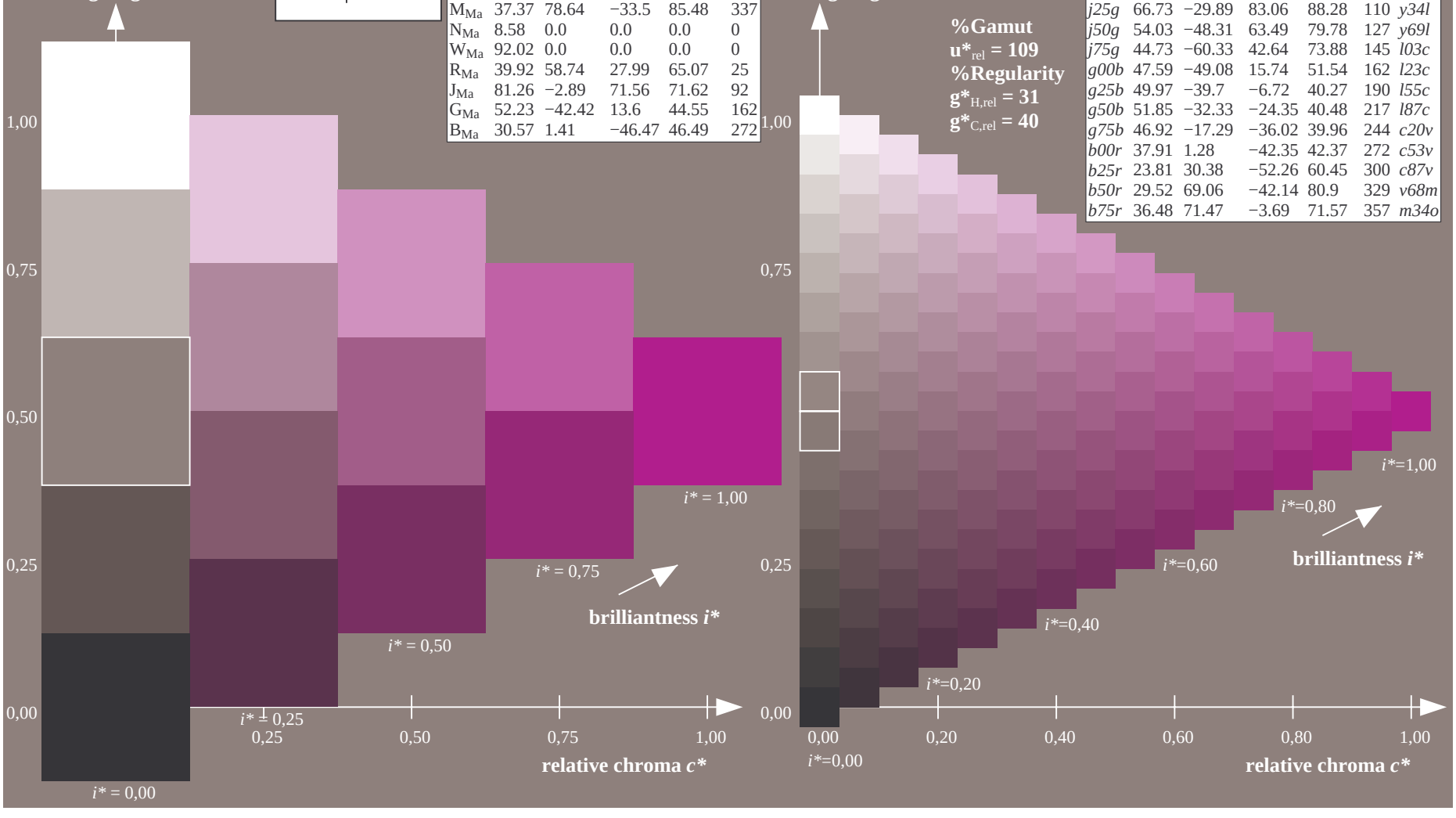
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

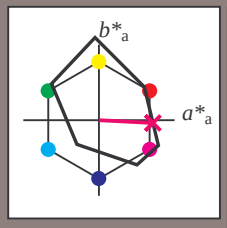
FRS09_92aM; adapted (a) CIELAB data

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_92aM 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_92aM; adapted (a) CIELAB data

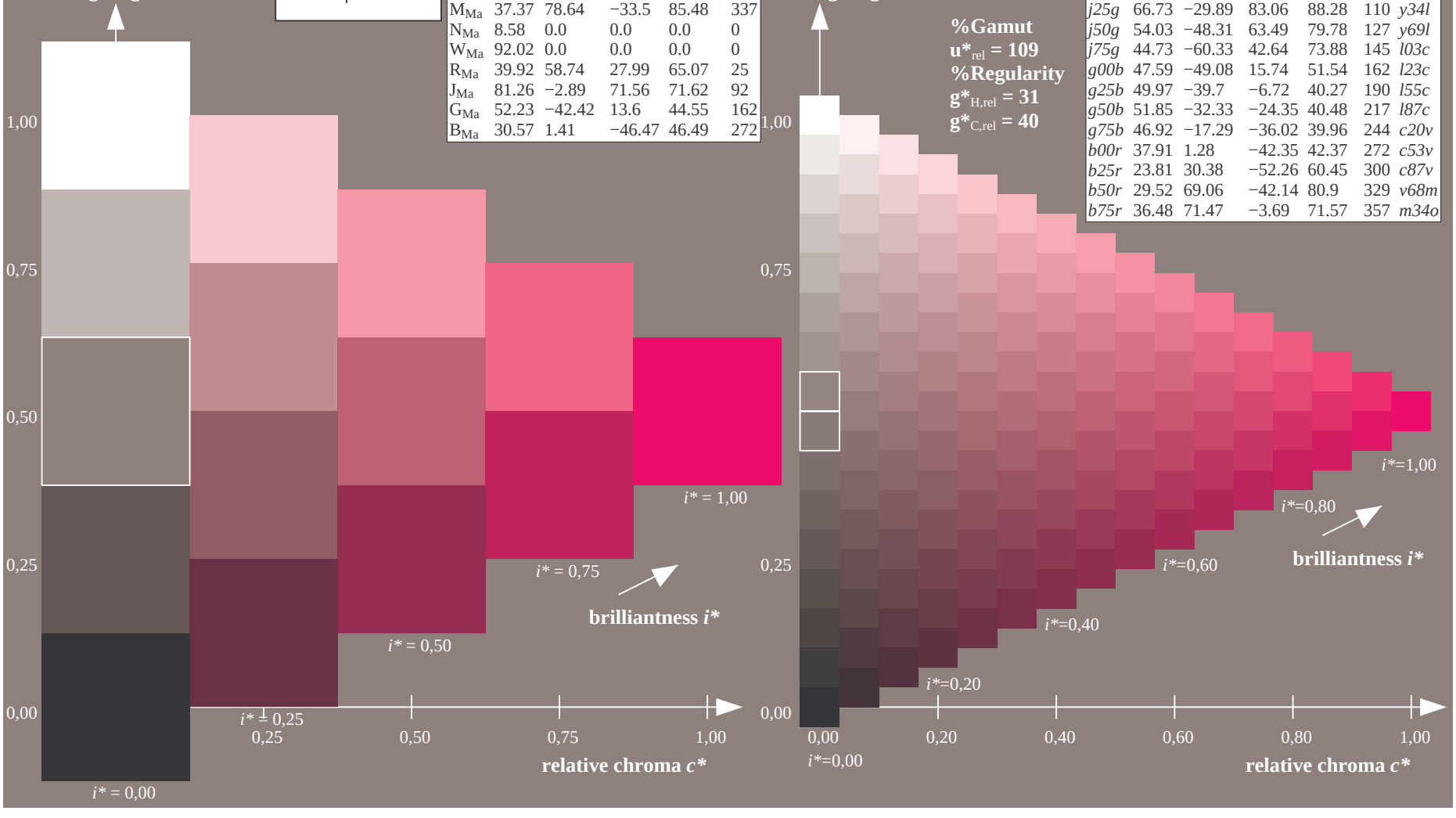
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

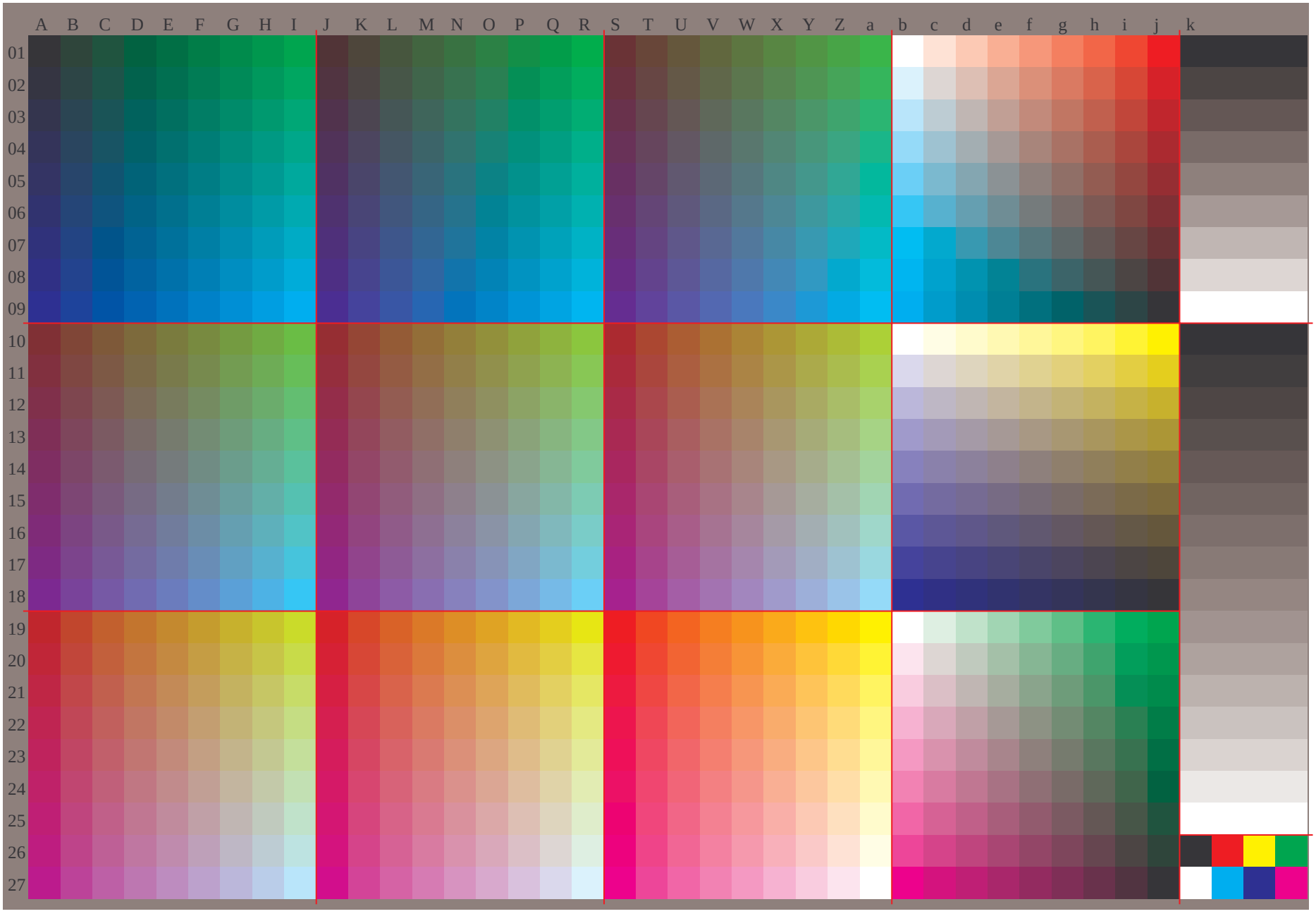
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness *t**

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

FRS09_92aM; 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*



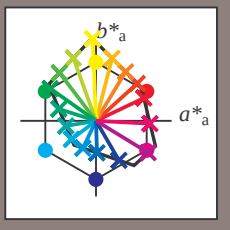


input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output:
Colorimetric Printer Reflective System FRS09_92aM data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

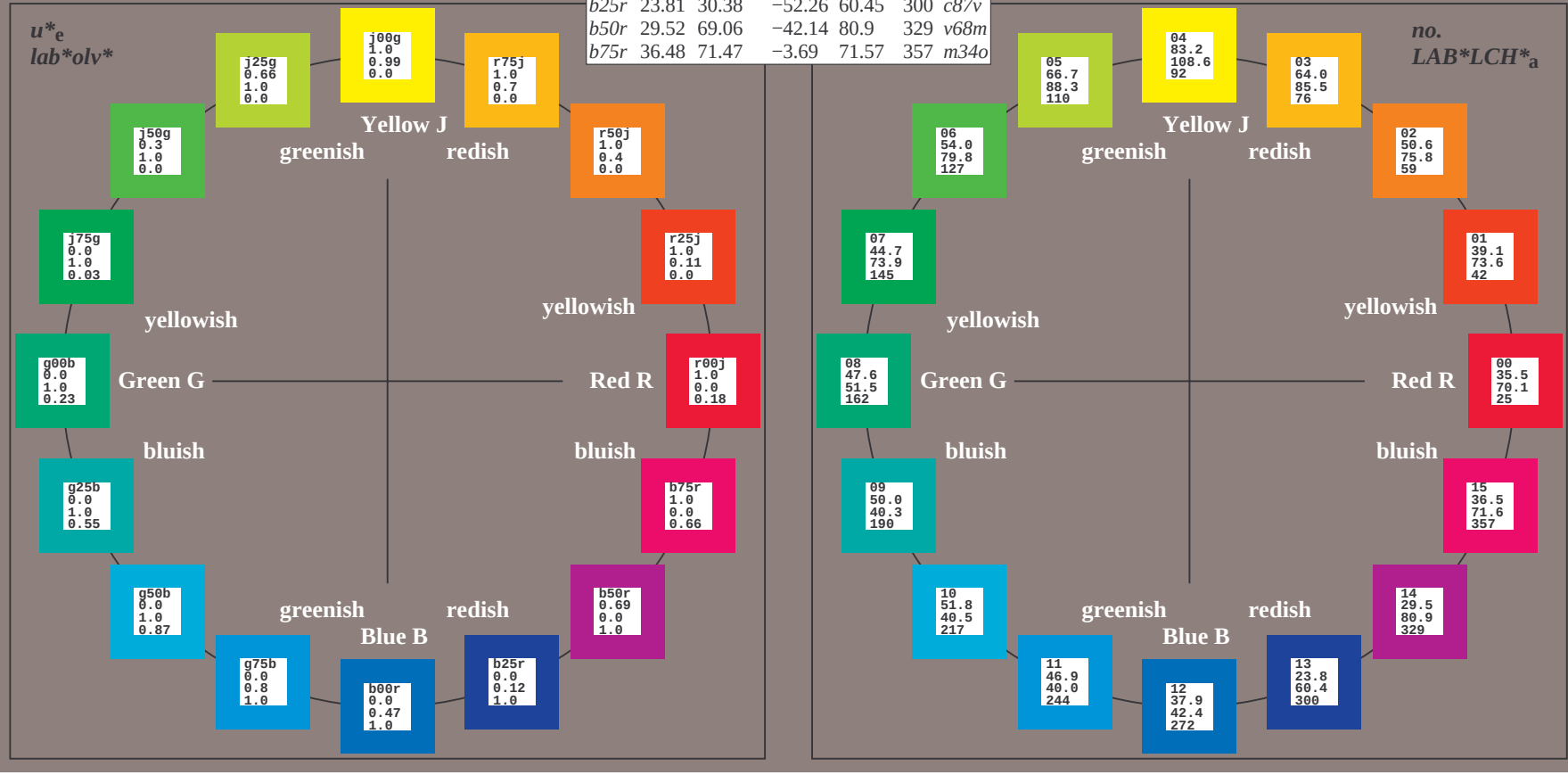
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

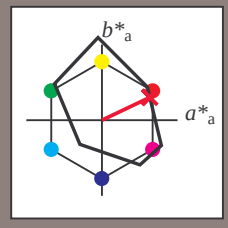
FRS09_92aM; adapted (a) CIELAB data

Name	*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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

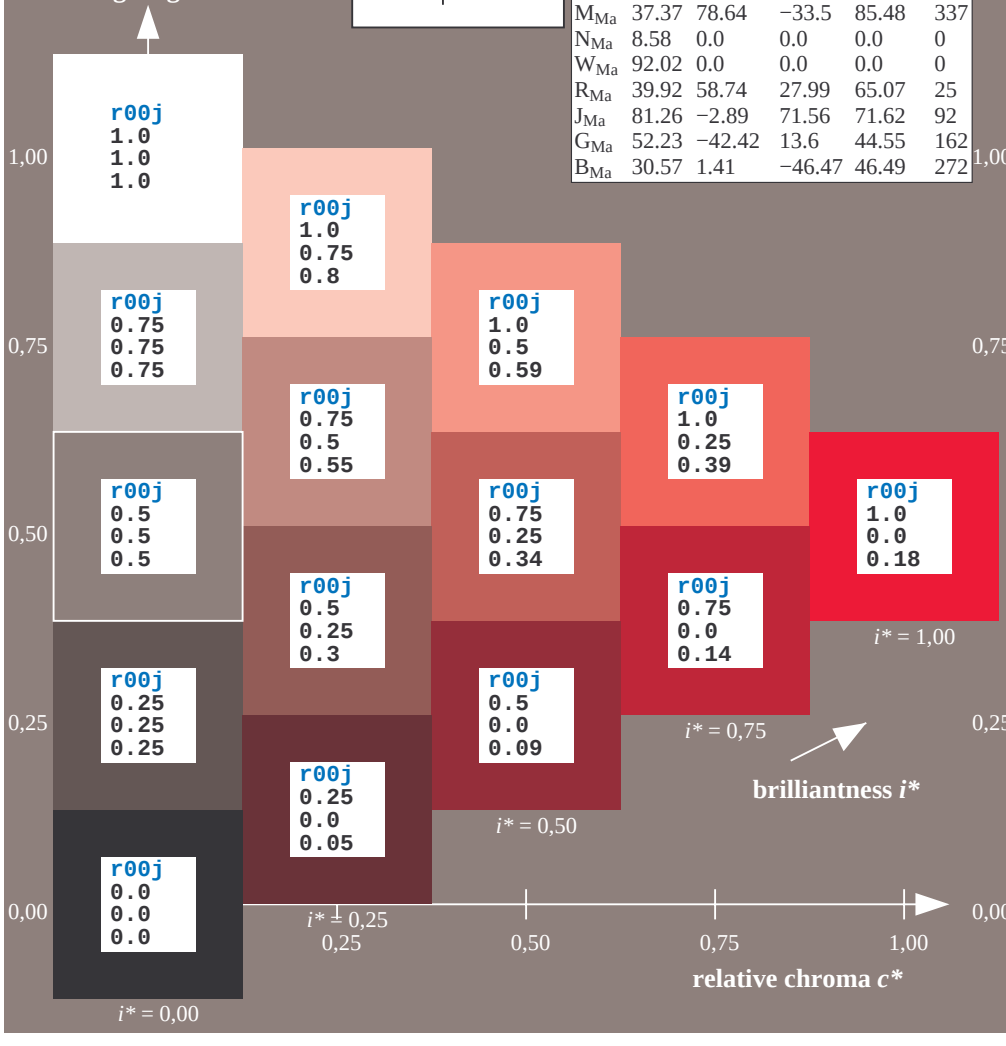
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

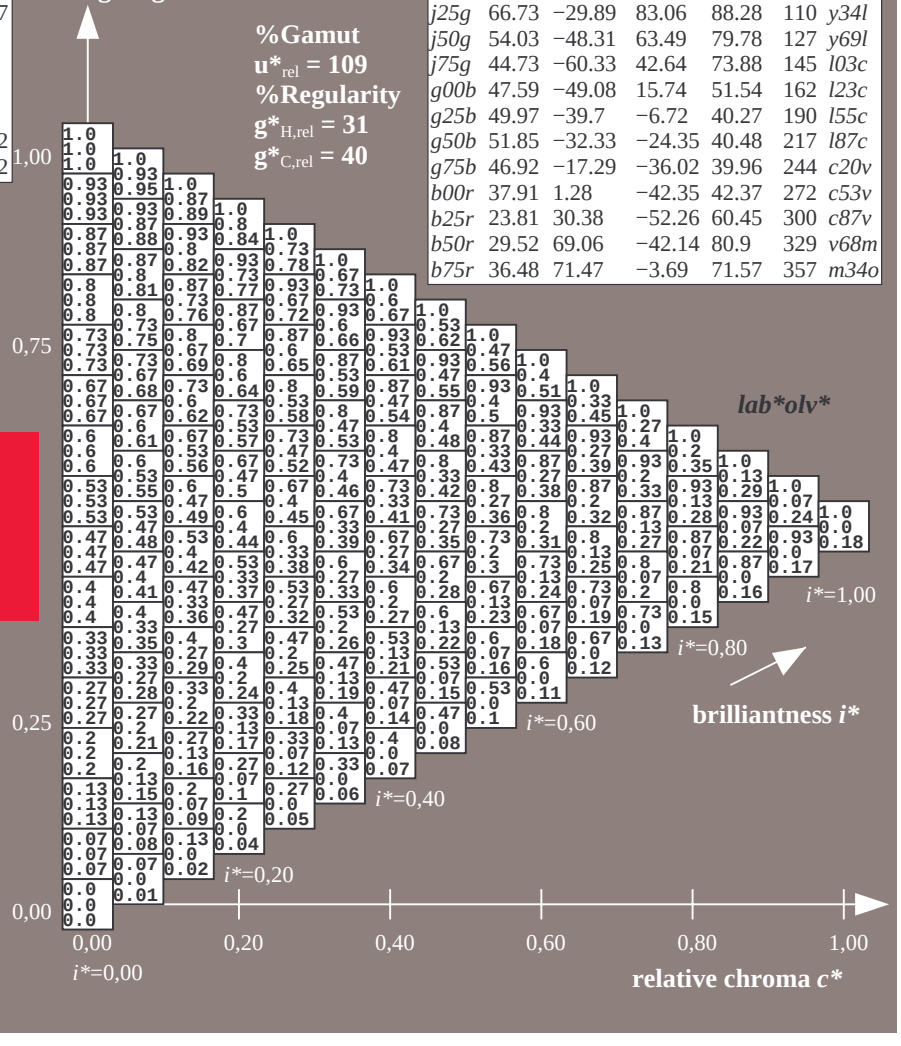
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r00j*
lab*olv*

FRS09_92aM; 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*

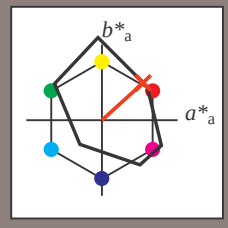




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

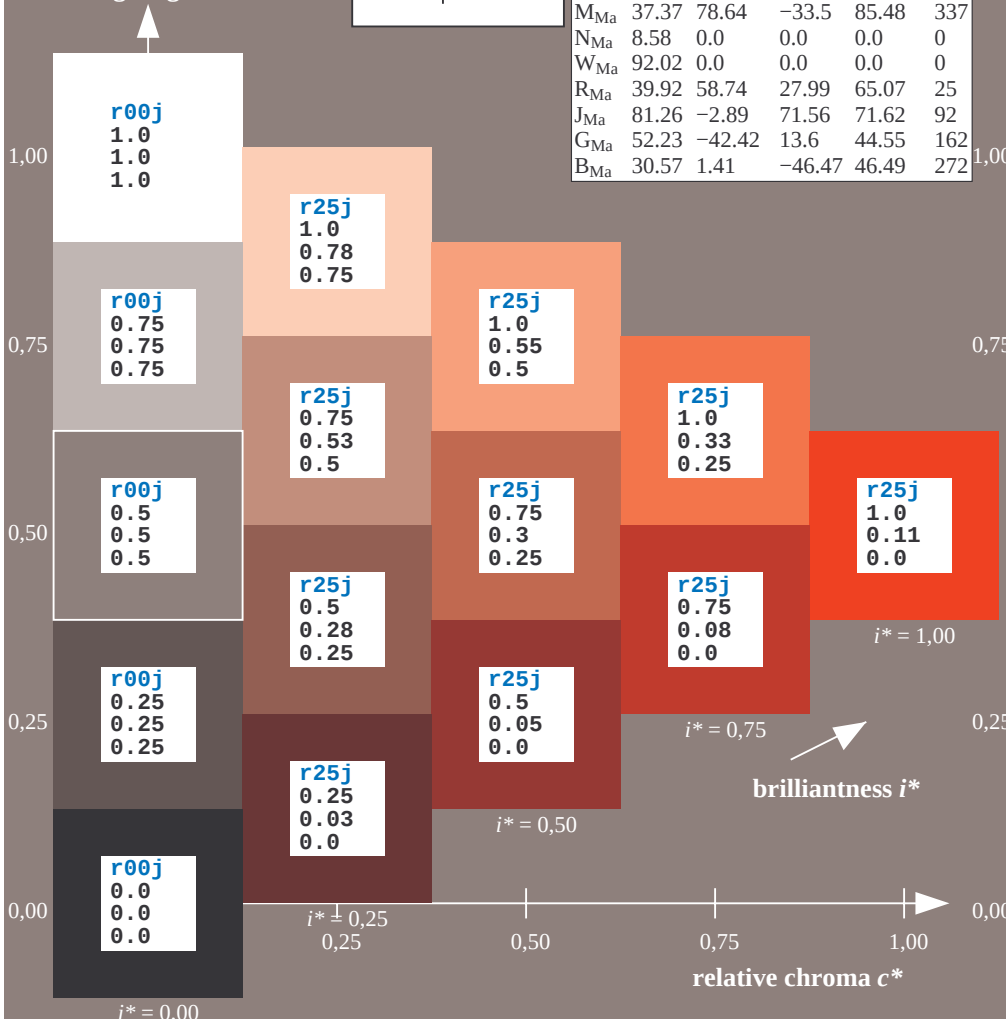
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

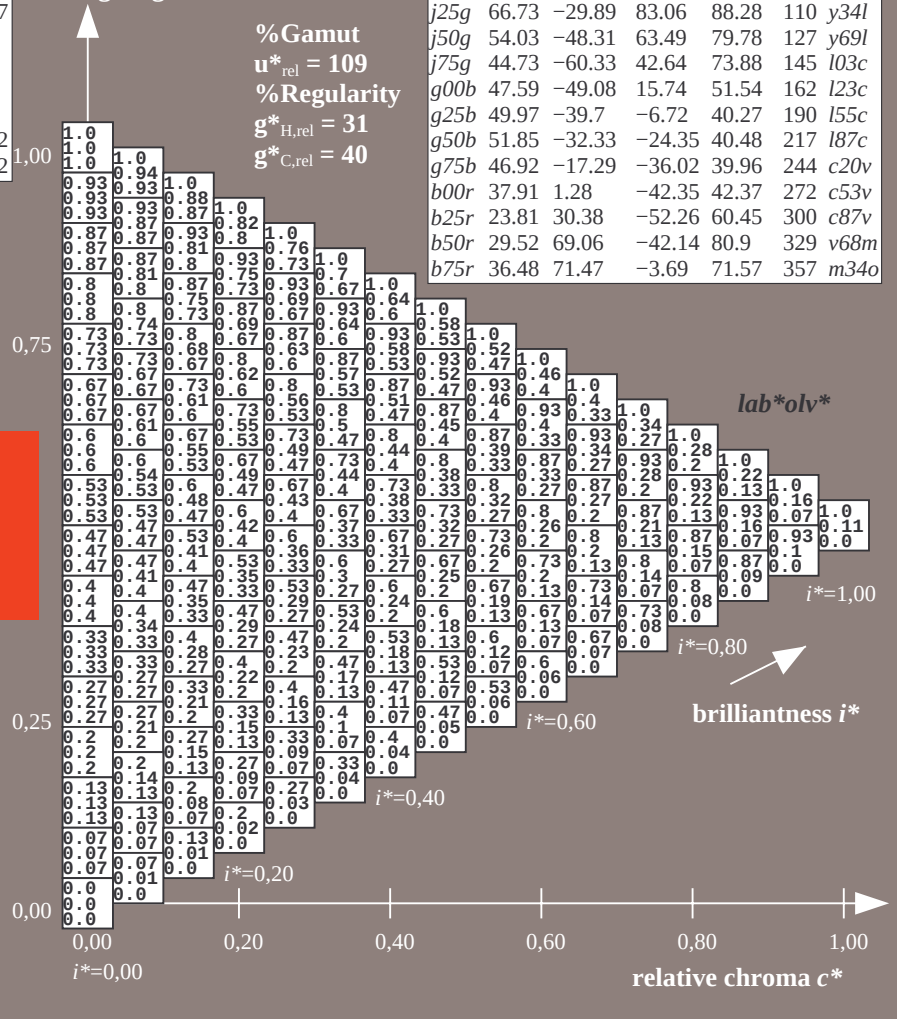
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r25j*
lab*olv*

FRS09_92aM; 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*

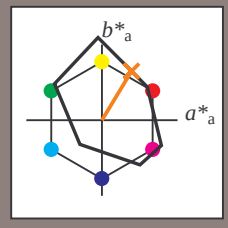




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

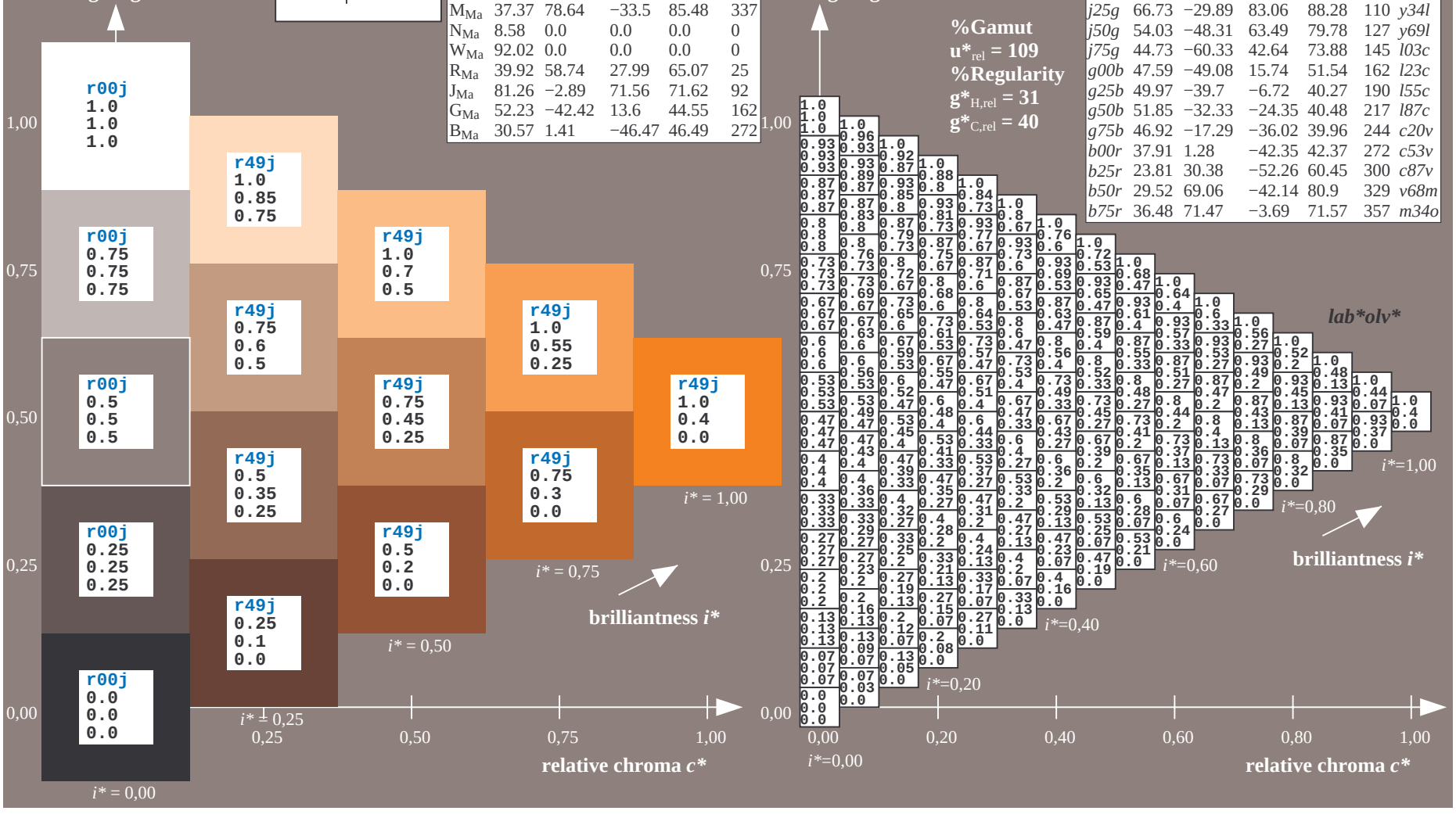
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

u^*_e = *r50j*
lab*olv*

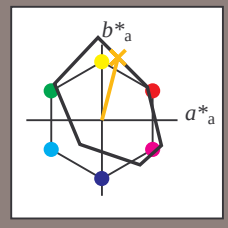
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

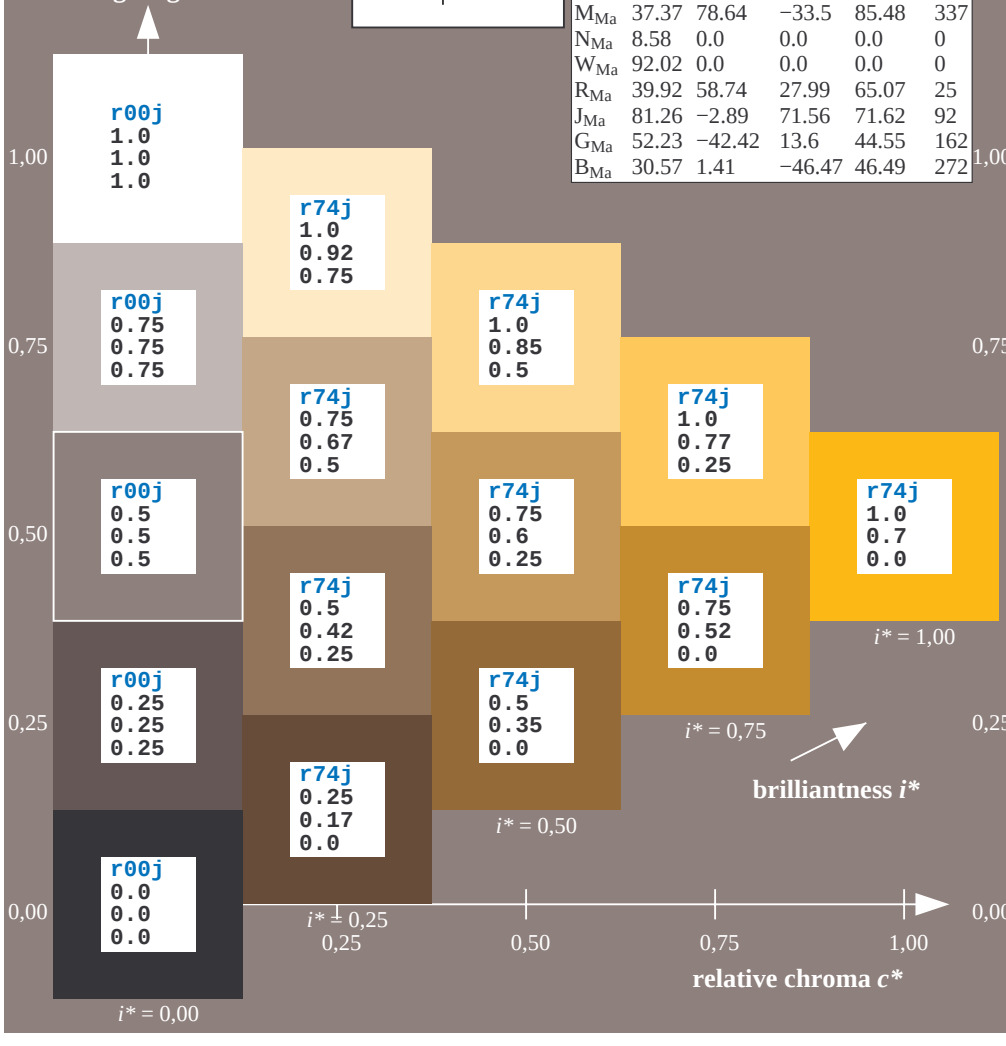
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

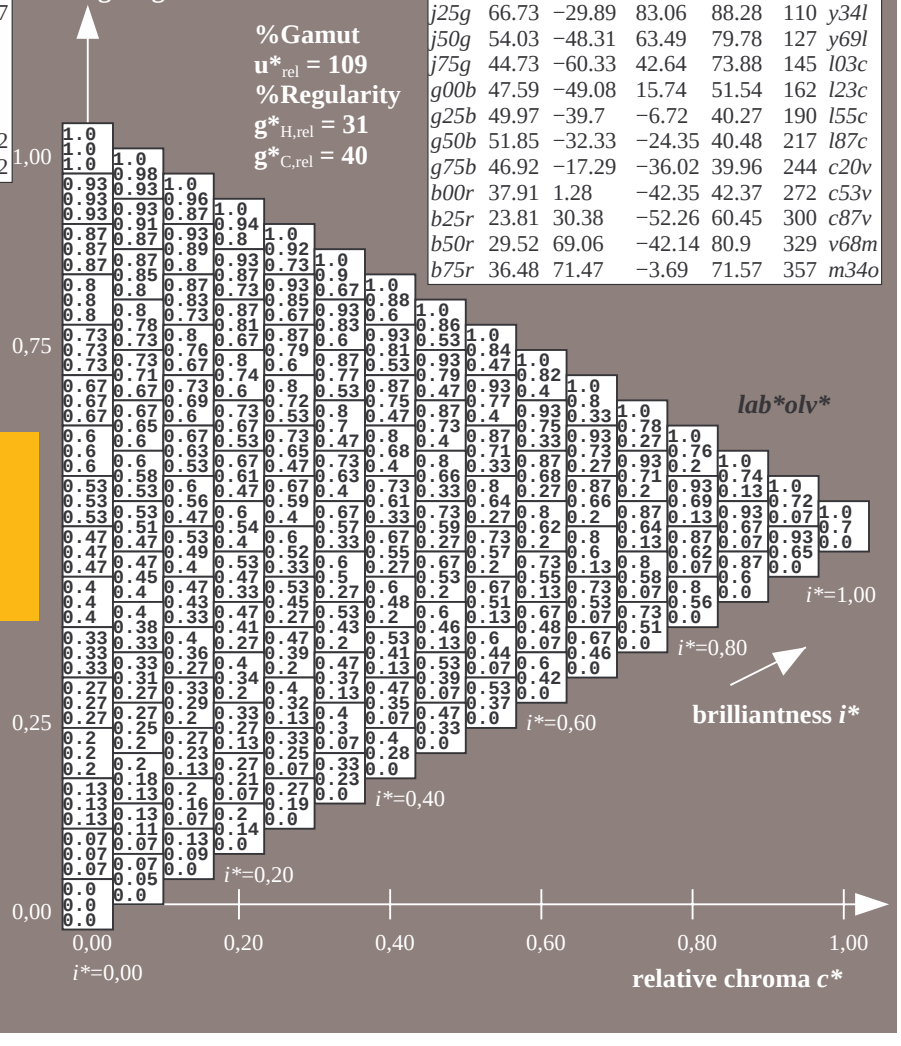
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r75j*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

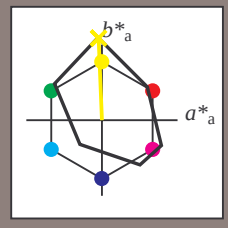
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

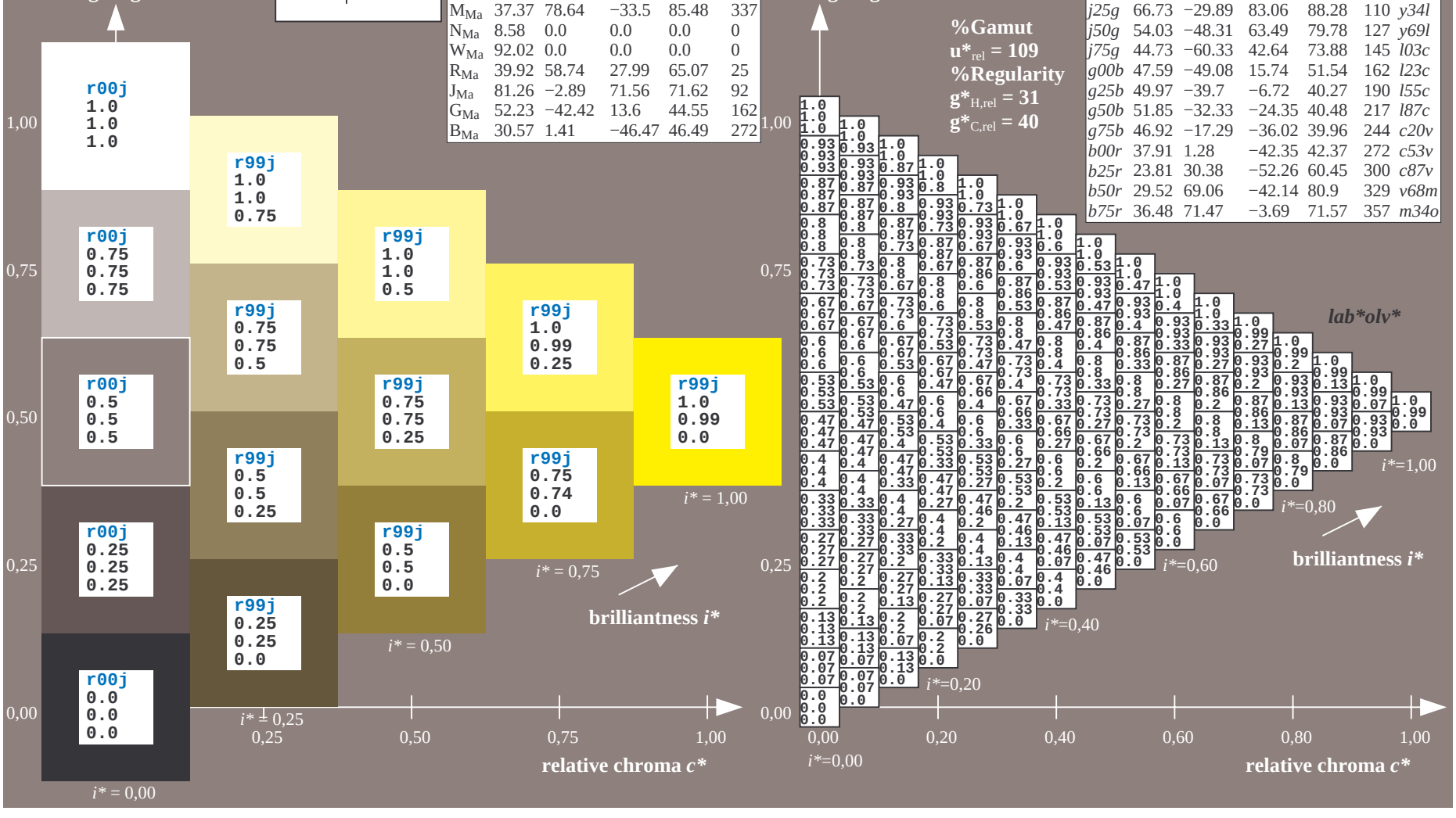
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u*e* = *j00g
lab*olv*

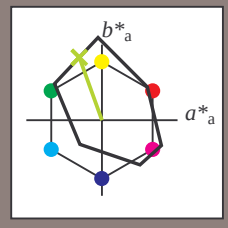
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

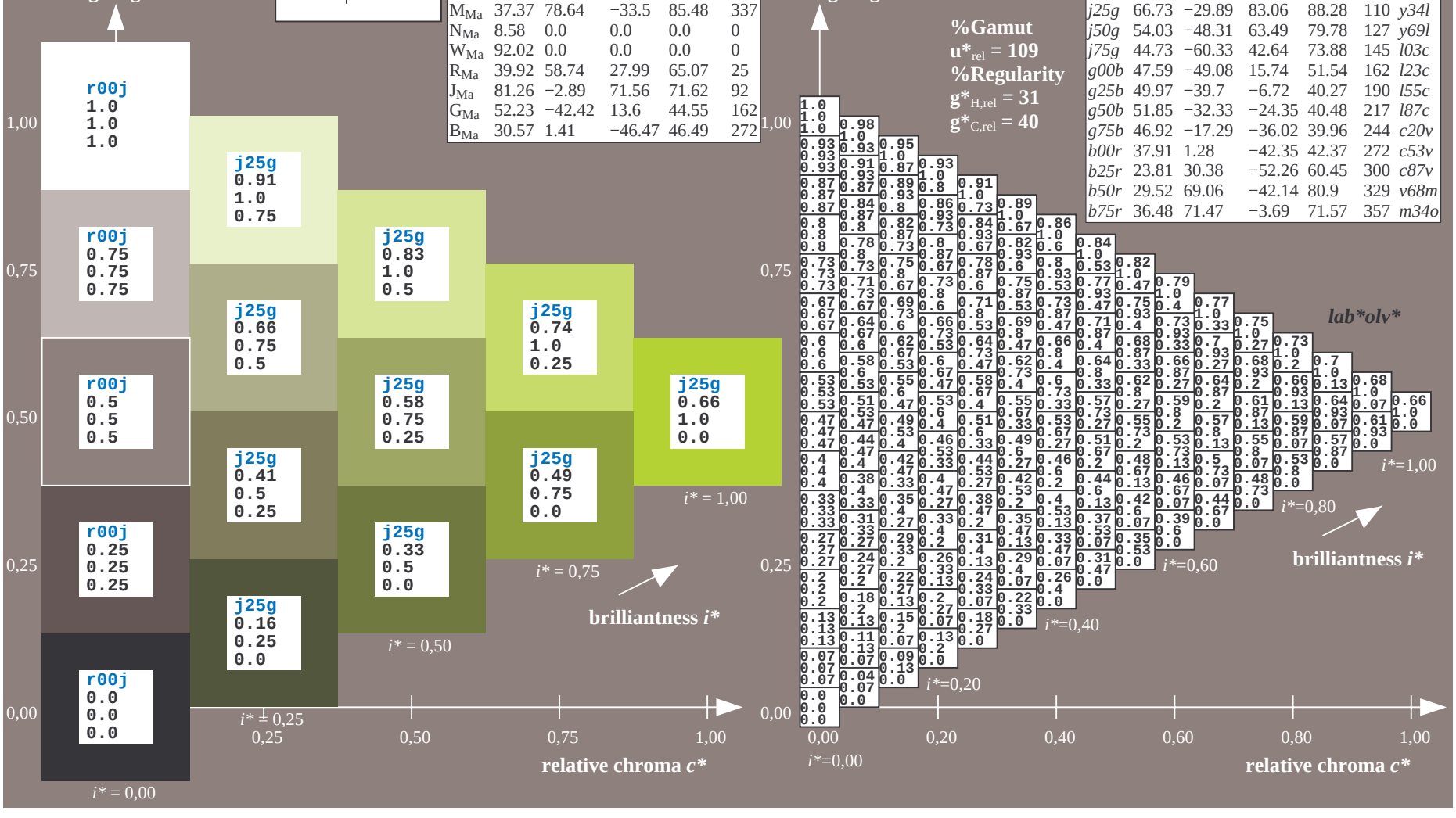
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j25g*
lab*olv*

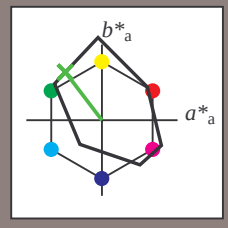
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

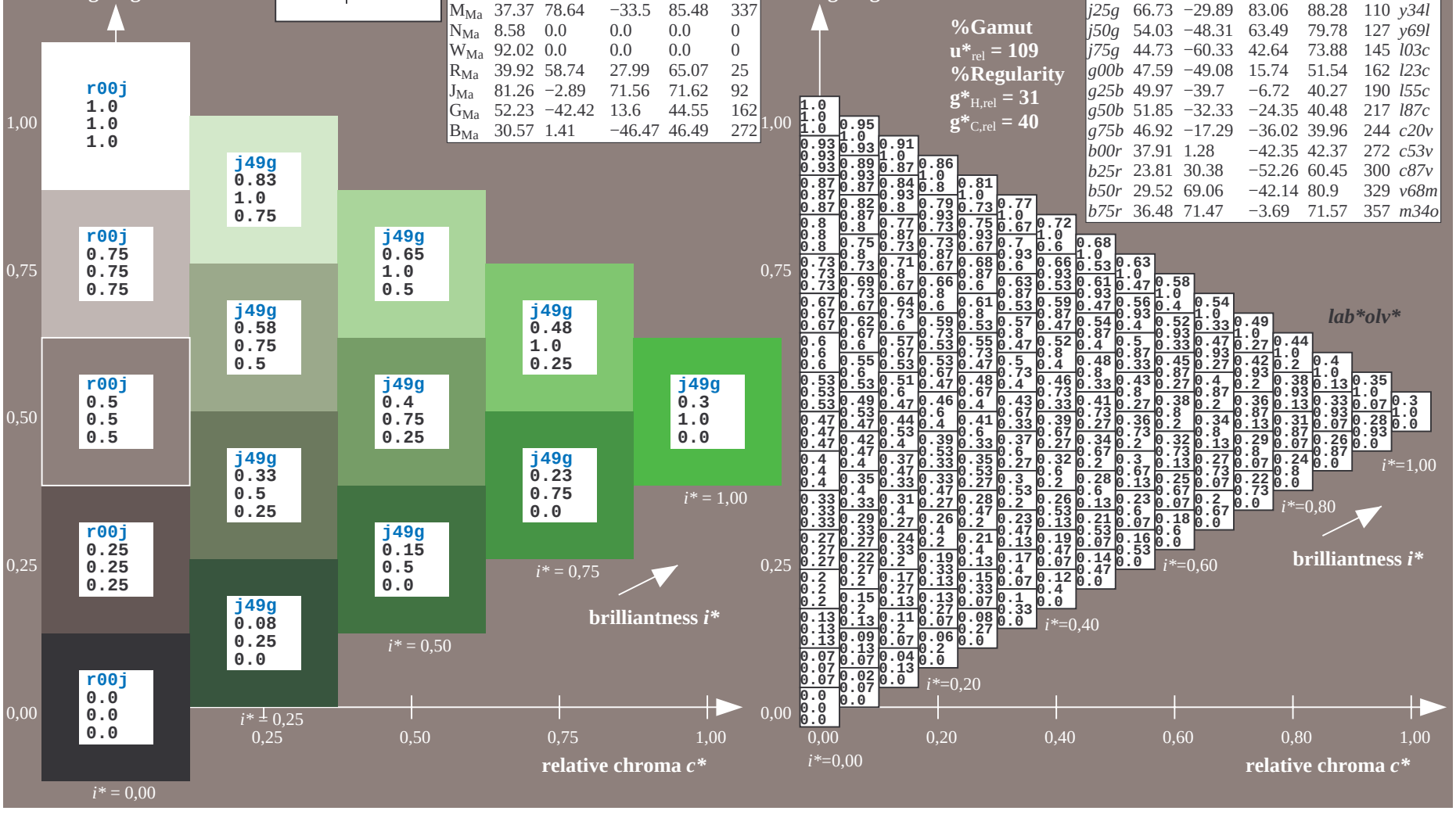
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j50g*
lab*olv*

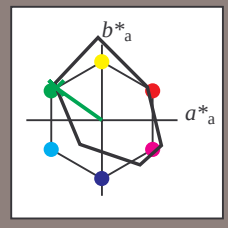
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; 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_{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

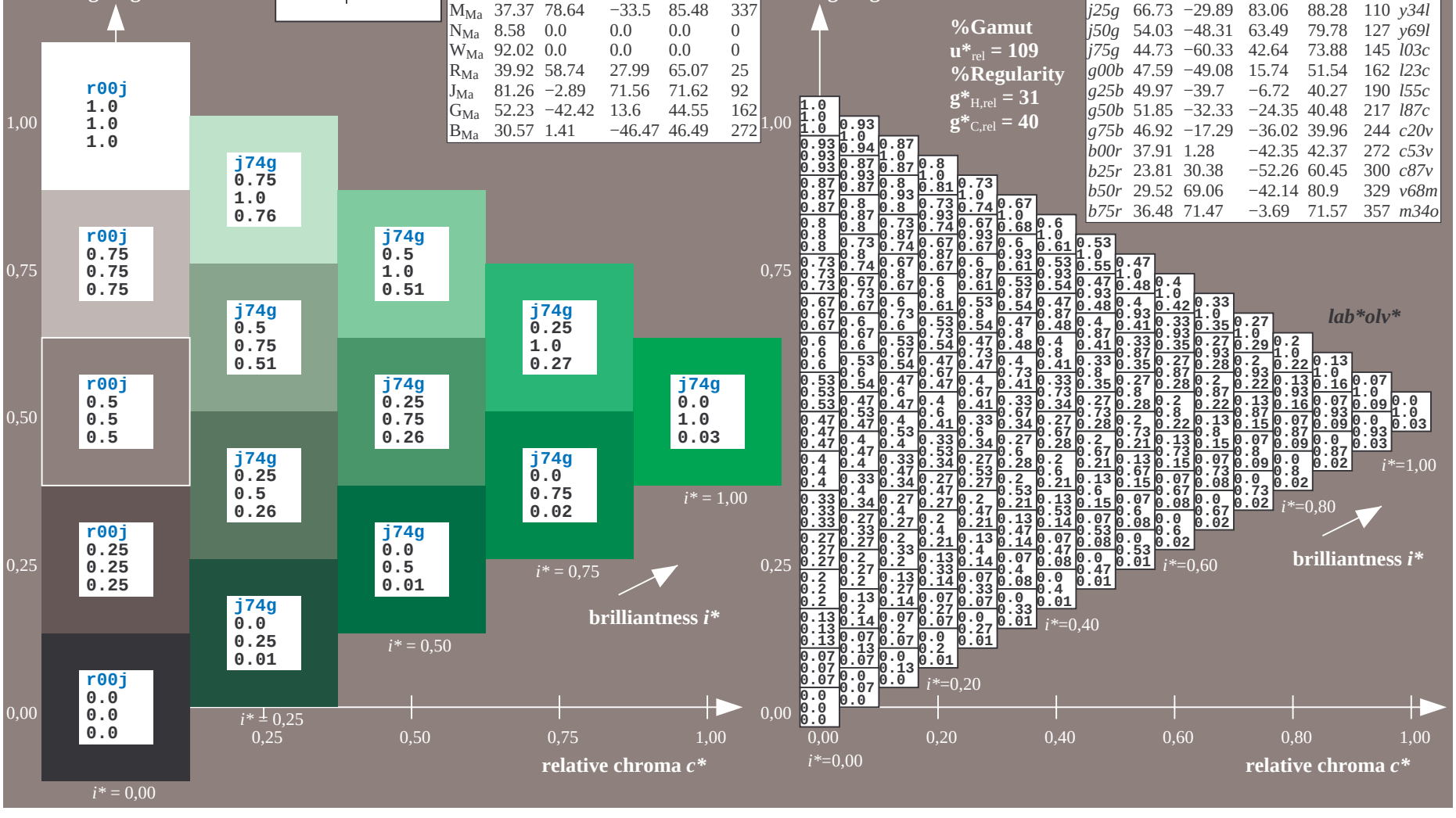
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 45 −60 43
*LAB*LCH**$_{Ma}$: 45 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

u^*_e = *j75g*
*lab*olv**

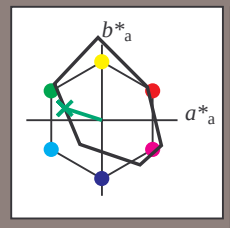
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; 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_{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

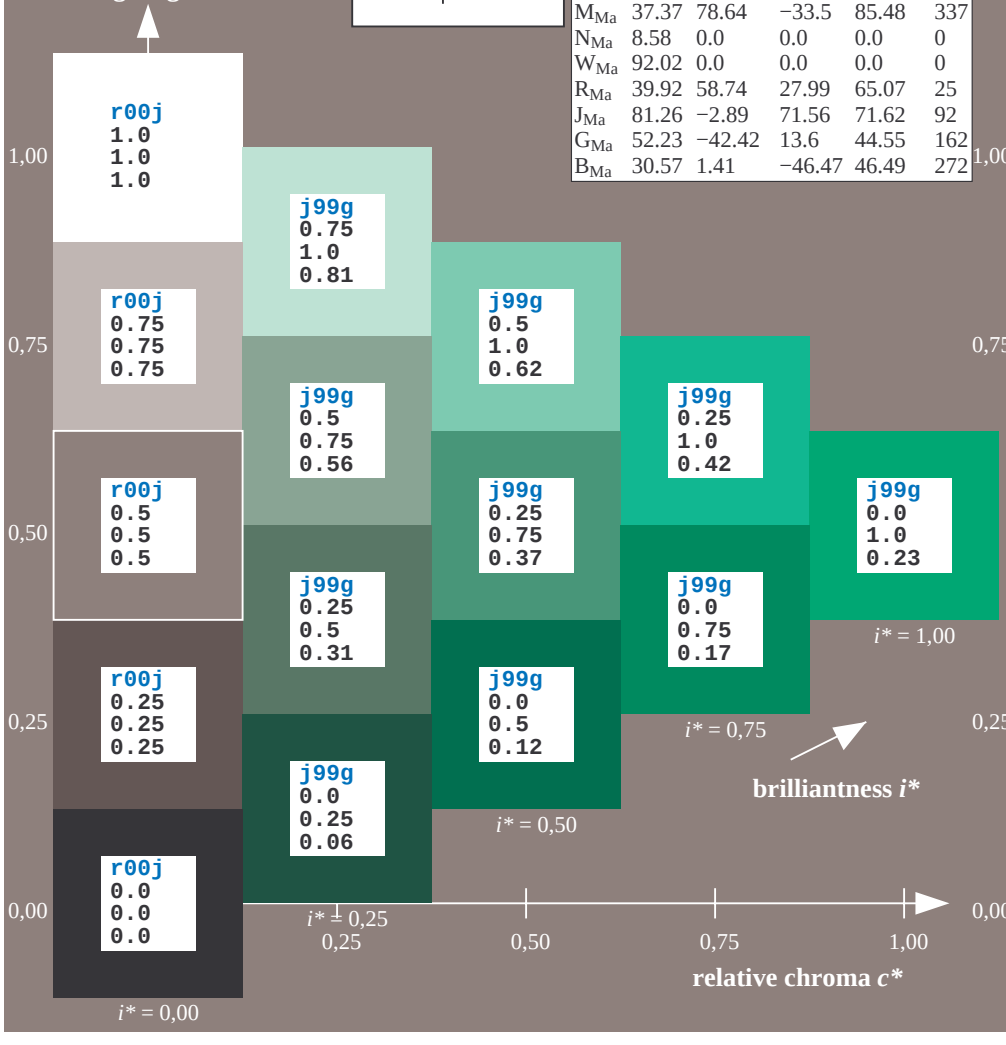
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

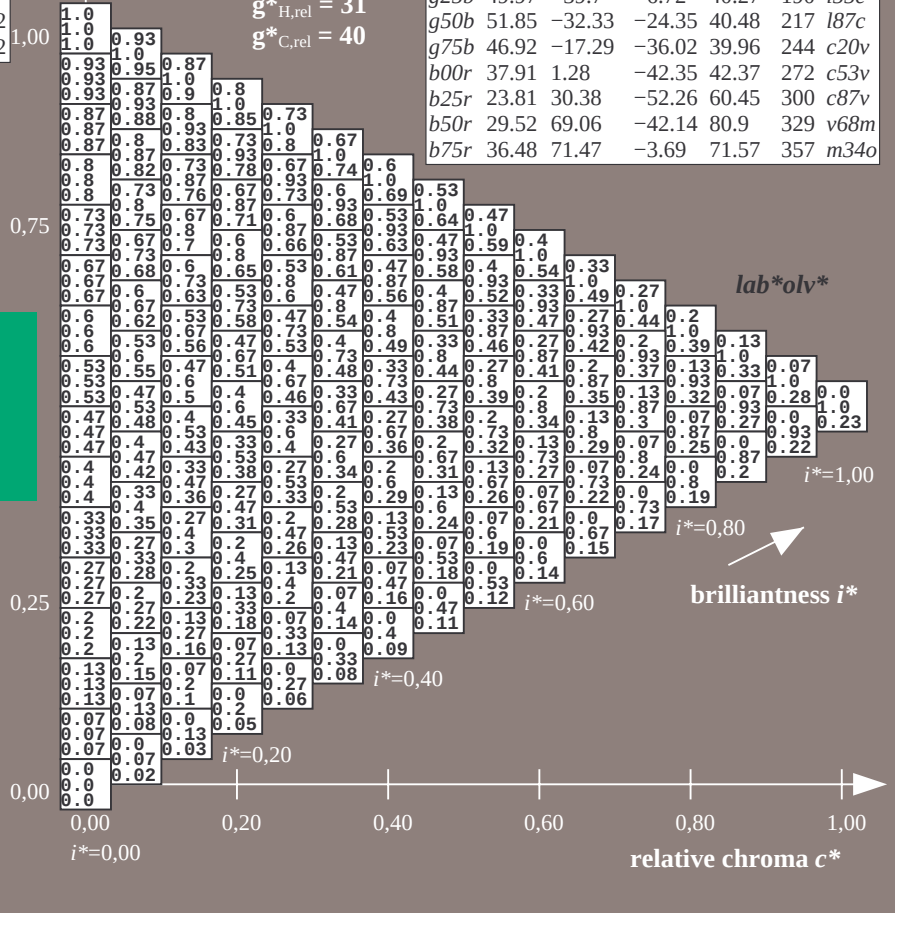
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g00b*
lab*olv*

FRS09_92aM; adapted (a) CIELAB data

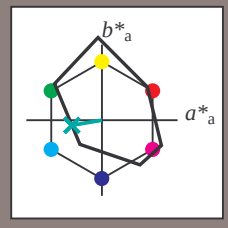
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; 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_{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

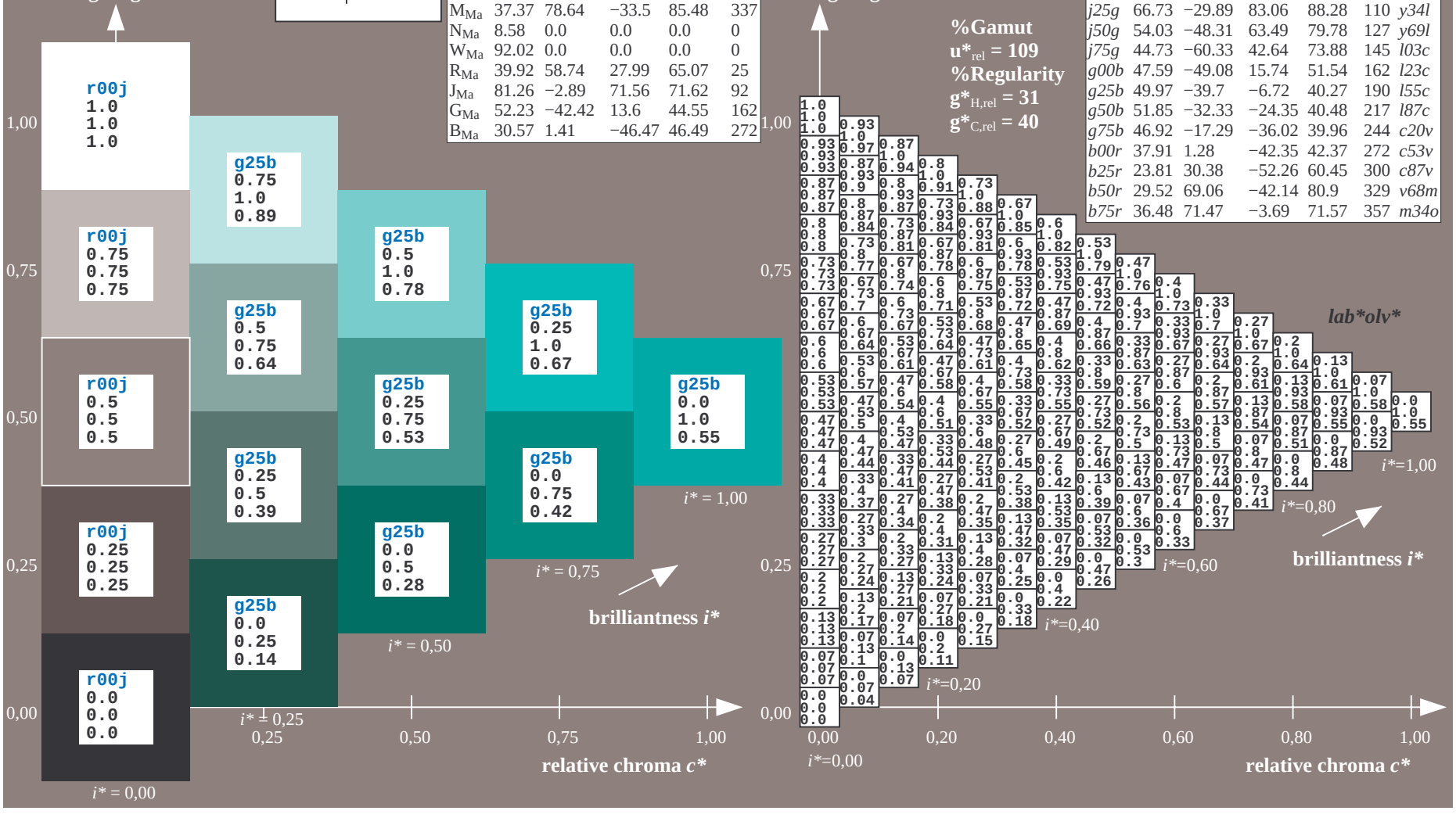
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

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

u^*_e = *g25b*
lab*olv*

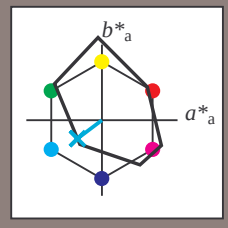
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; 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_{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

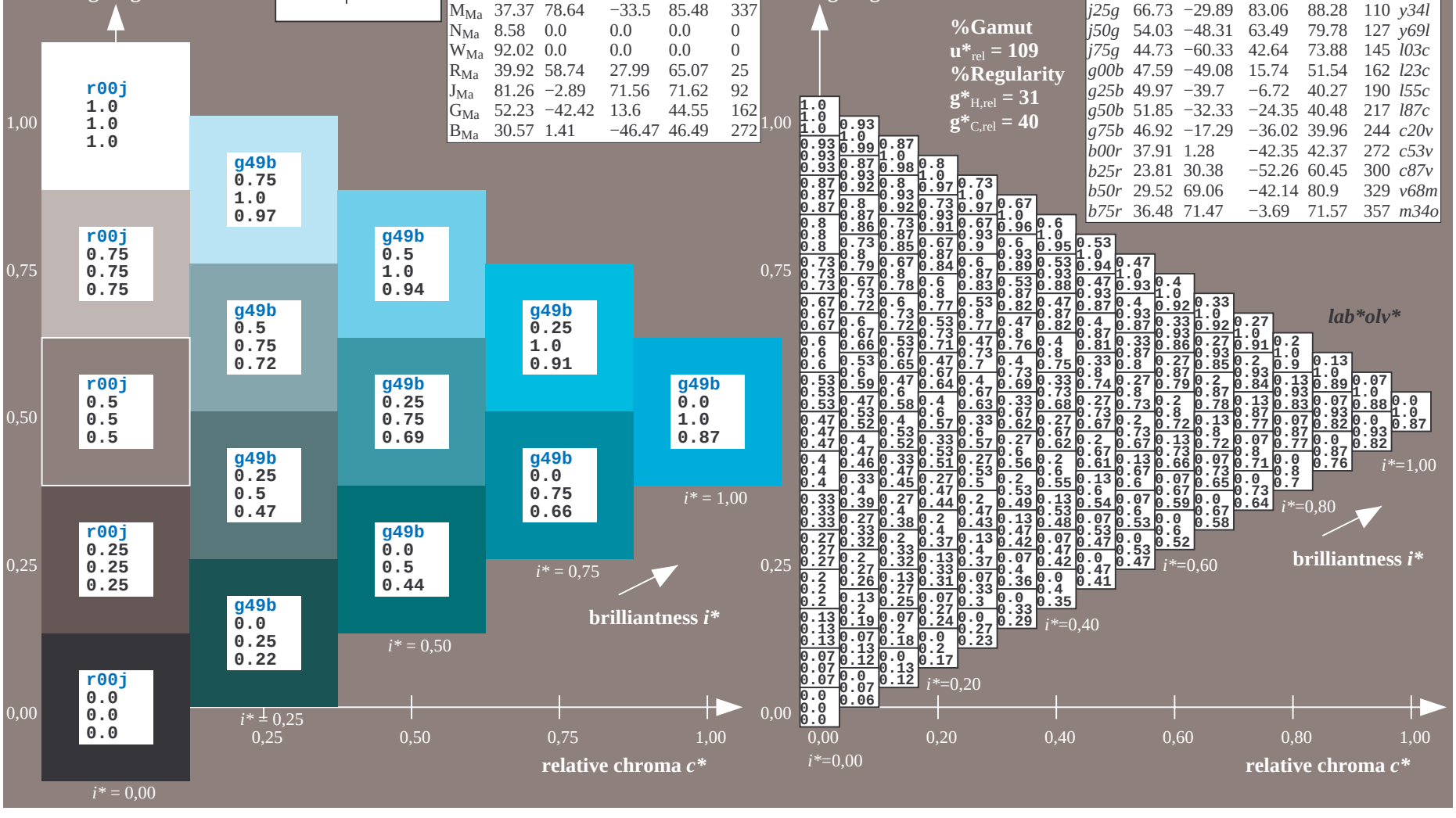
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −32 −24**
LAB*LCH*$_{Ma}$**: 52 40 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.87**
triangle lightness *t**

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

u^*_e = *g50b*
lab*olv*

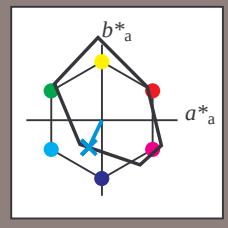
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

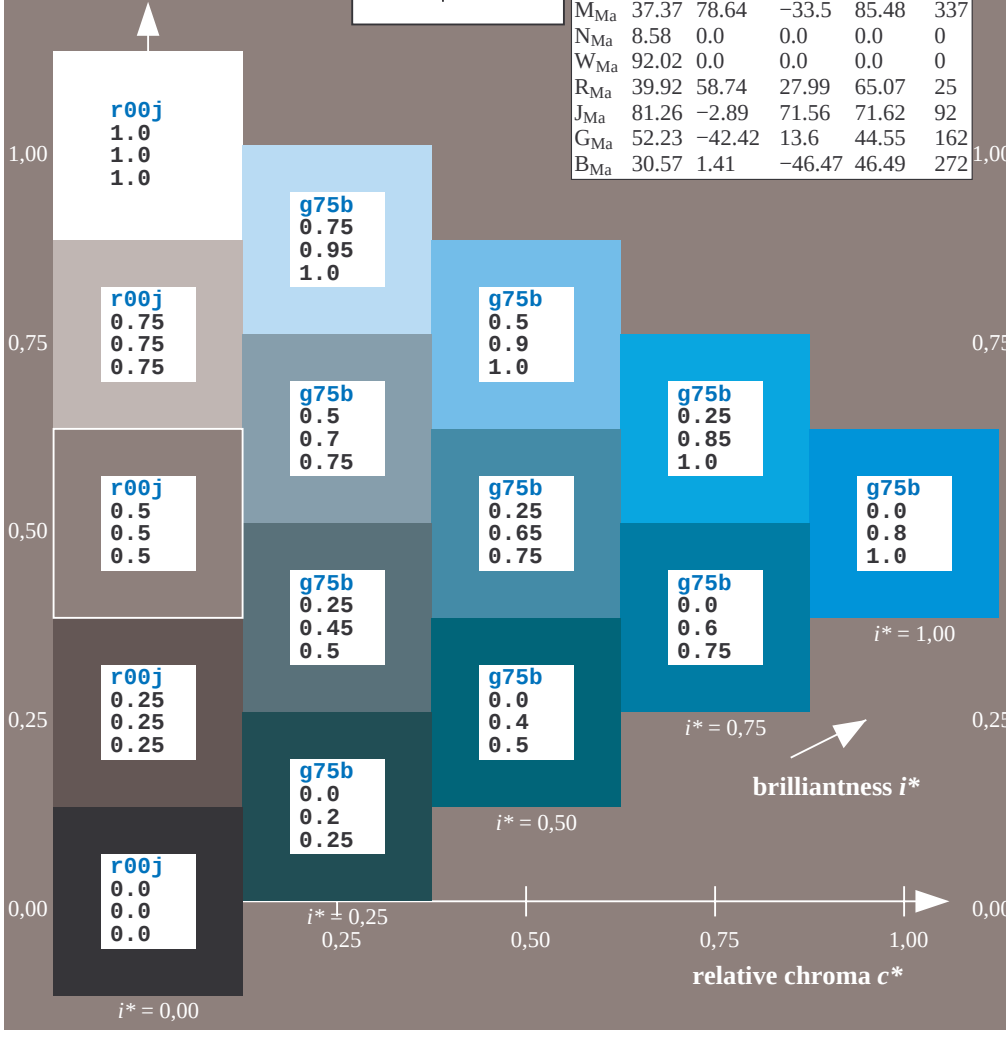
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

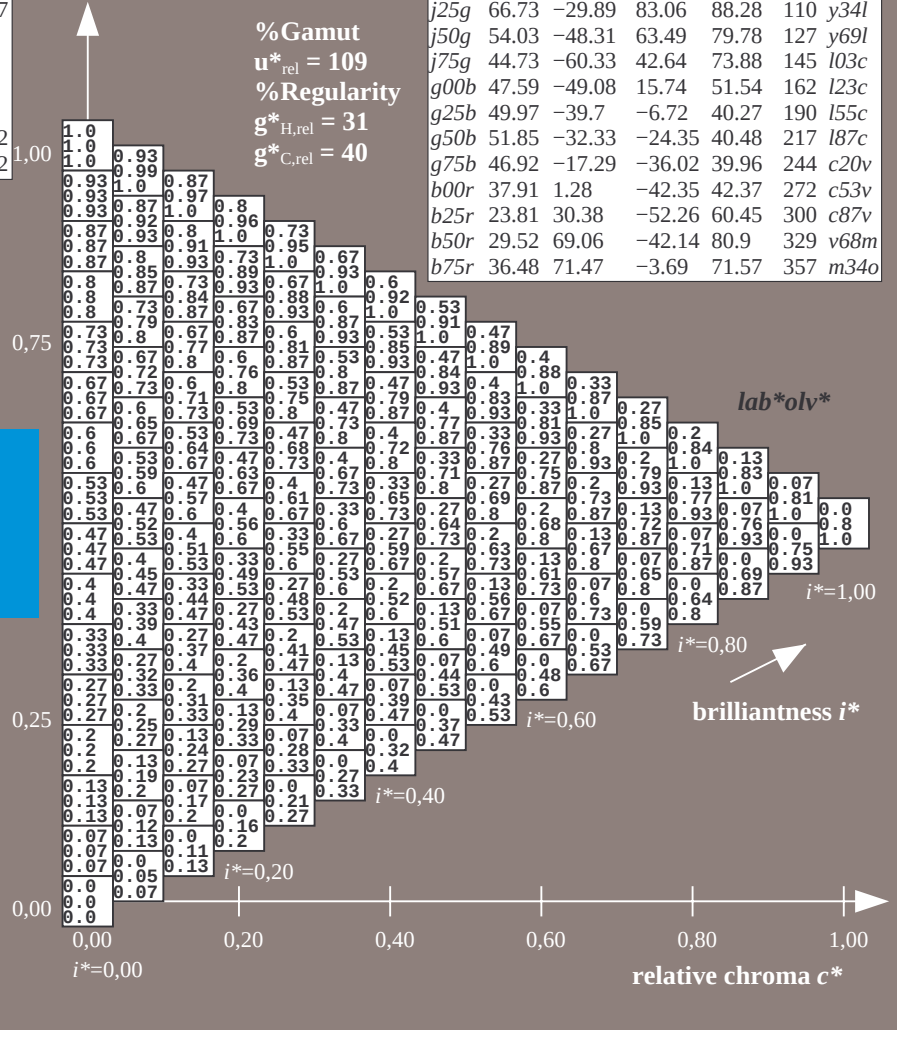
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g75b*
lab*olv*

FRS09_92aM; adapted (a) CIELAB data

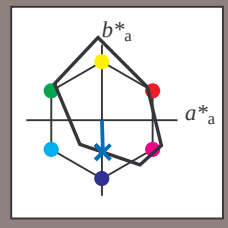
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; 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_{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

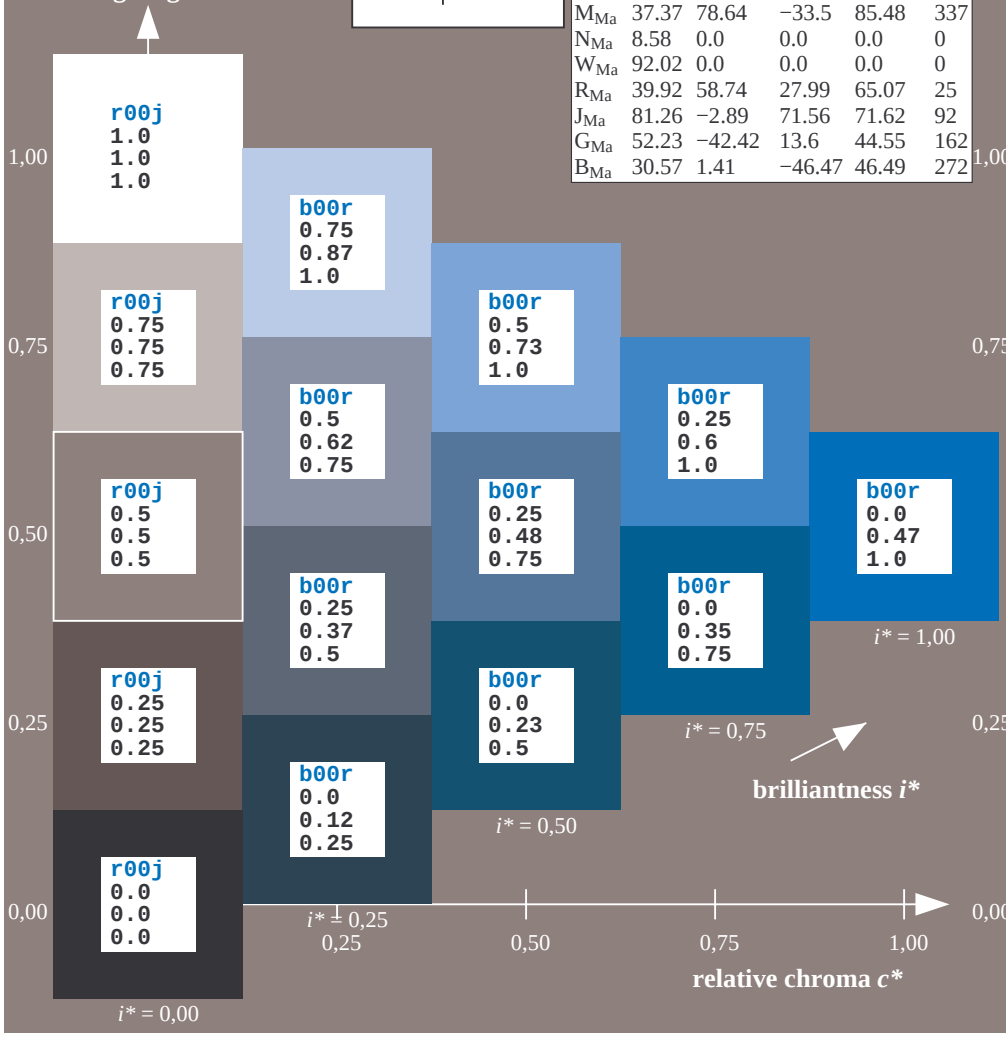
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 1 −42**
LAB*LCH*$_{Ma}$**: 38 42 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.47 1.0**
triangle lightness *t**

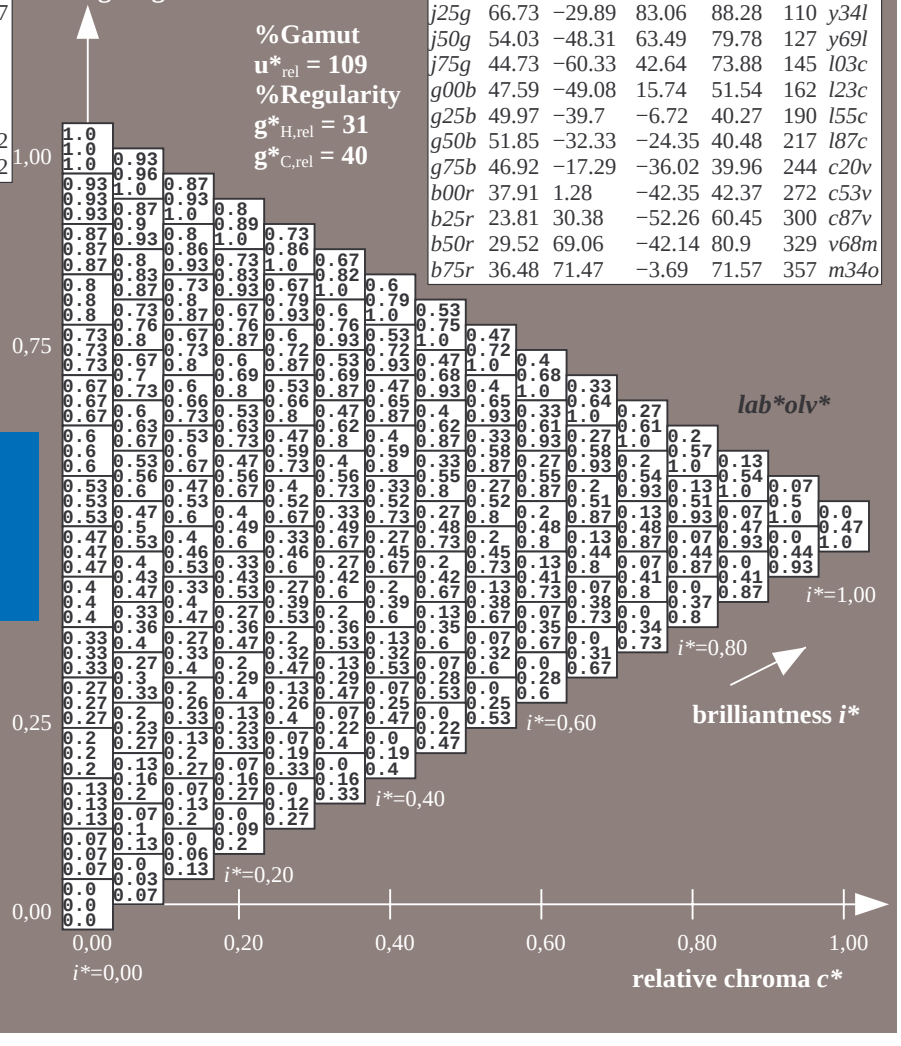
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b00r*
lab*olv*

FRS09_92aM; adapted (a) CIELAB data

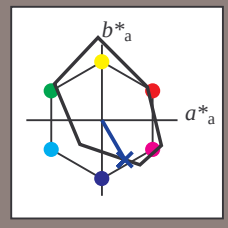
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; 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_{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

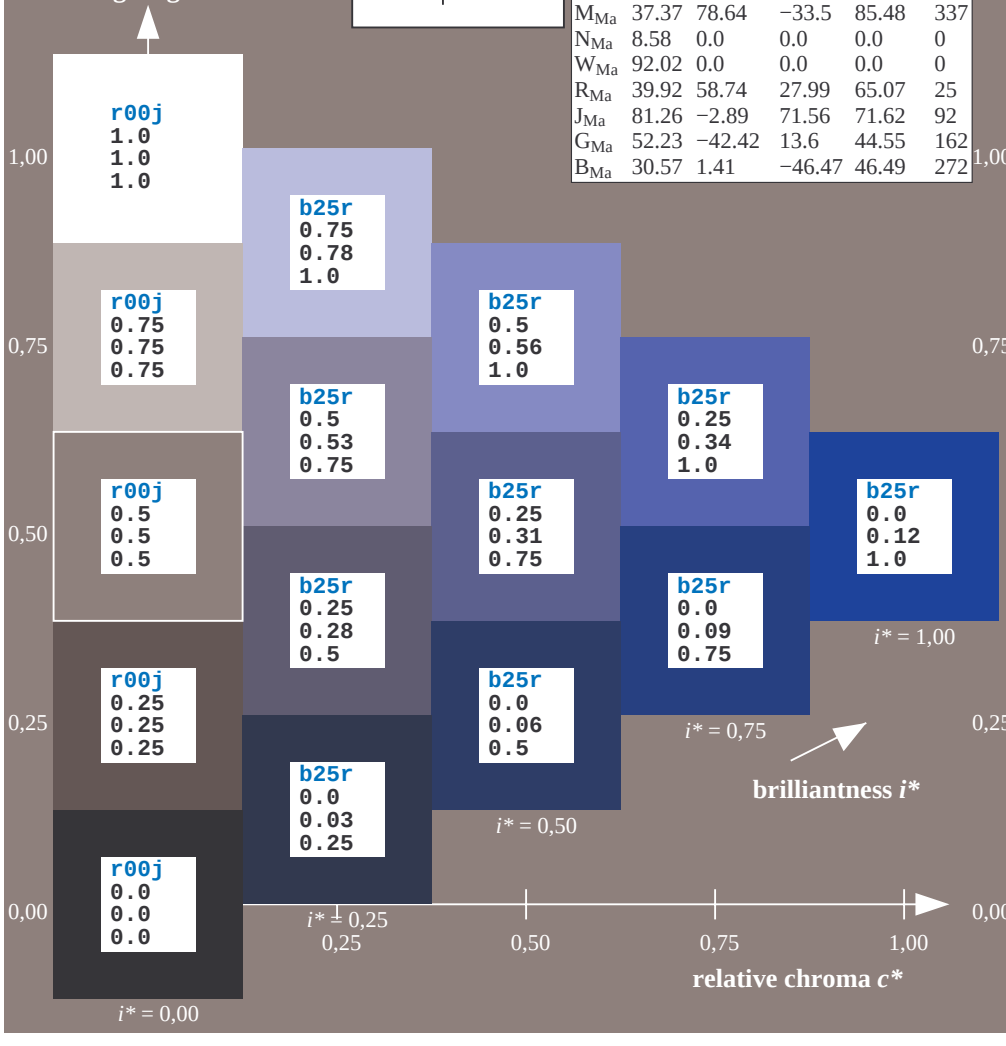
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 24 30 −52**
LAB*LCH*$_{Ma}$**: 24 60 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.12 1.0**
triangle lightness *t**

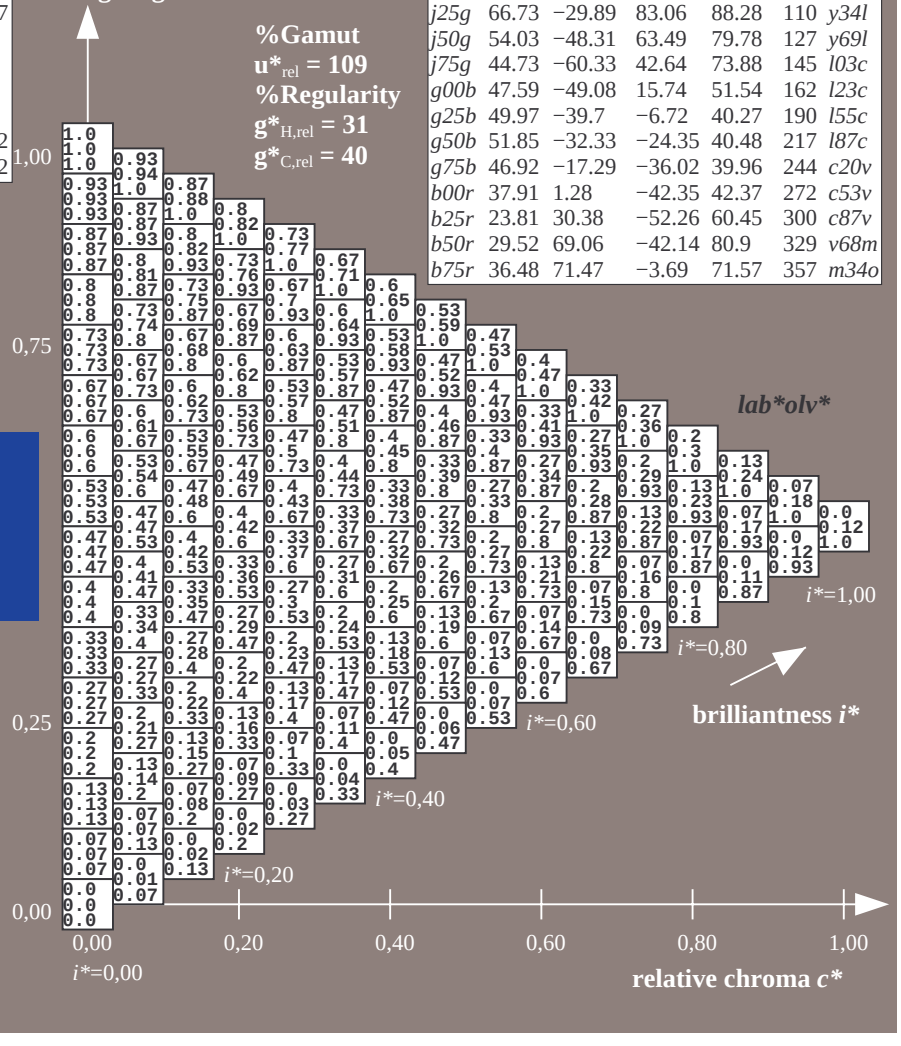
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b25r*
lab*olv*

FRS09_92aM; adapted (a) CIELAB data

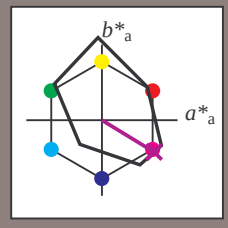
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; 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_{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

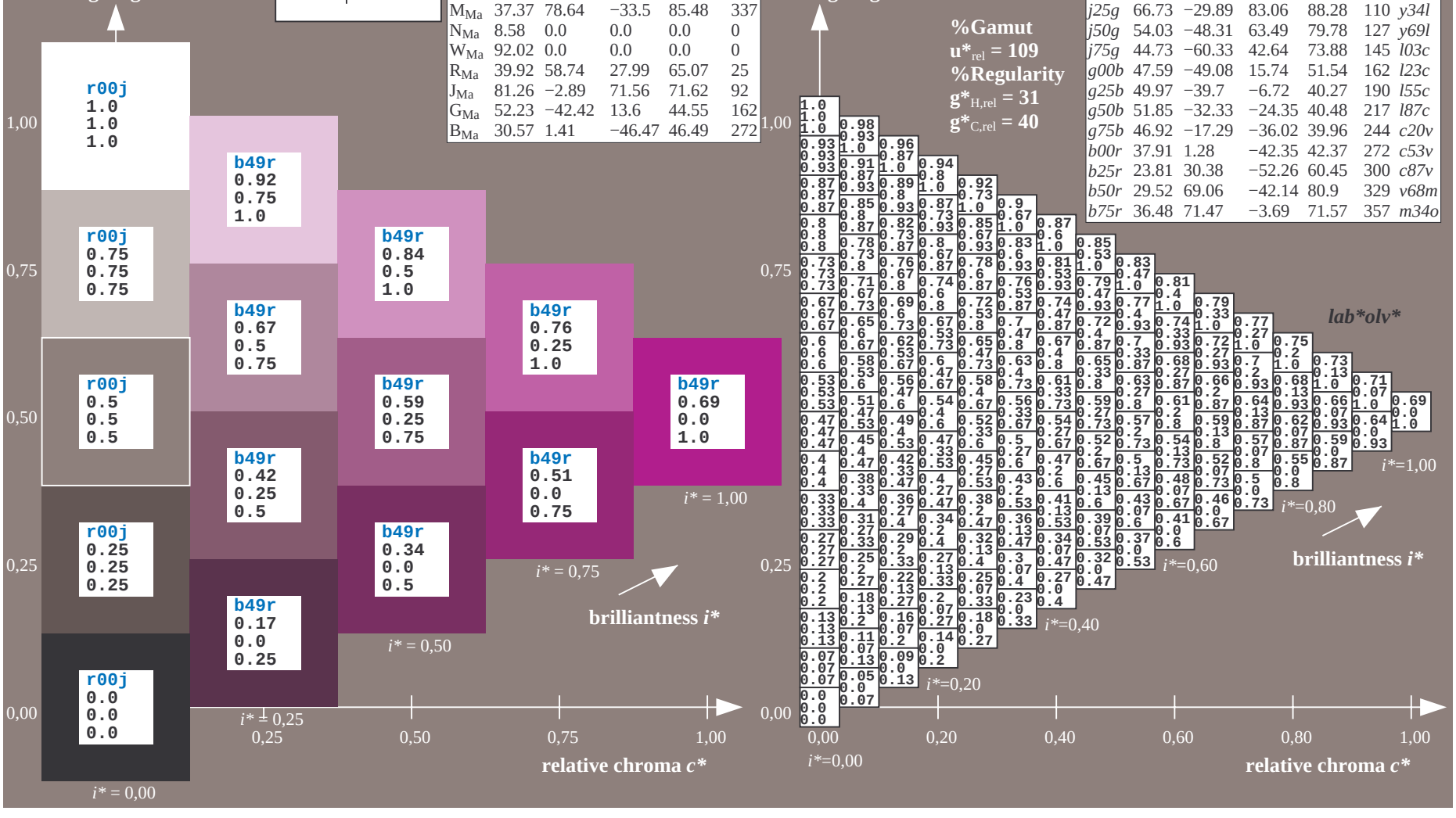
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

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

u^*_e = *b50r*
lab*olv*

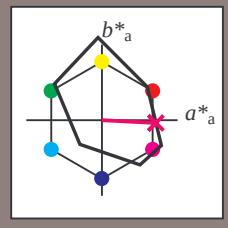
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; 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_{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

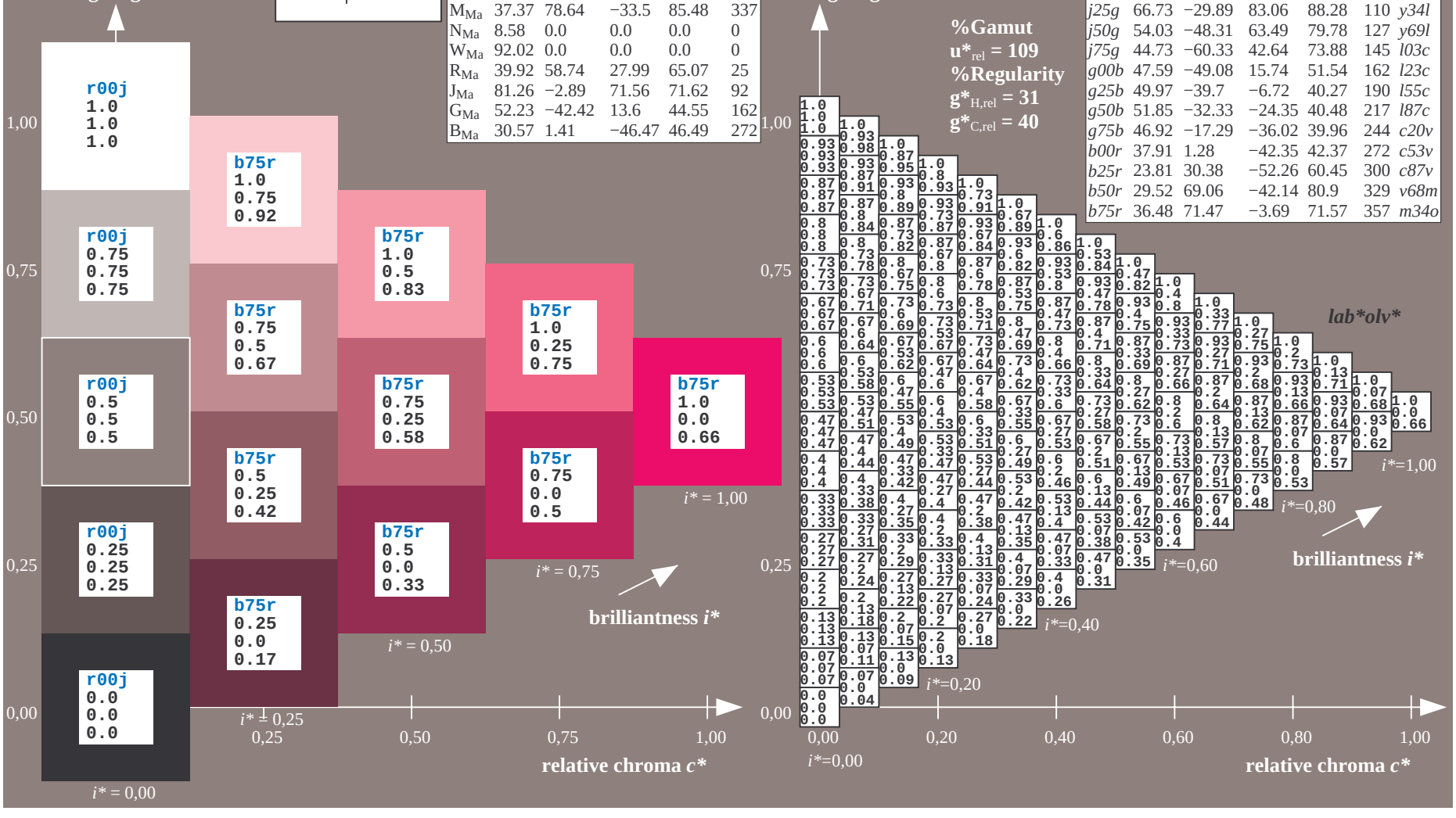
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

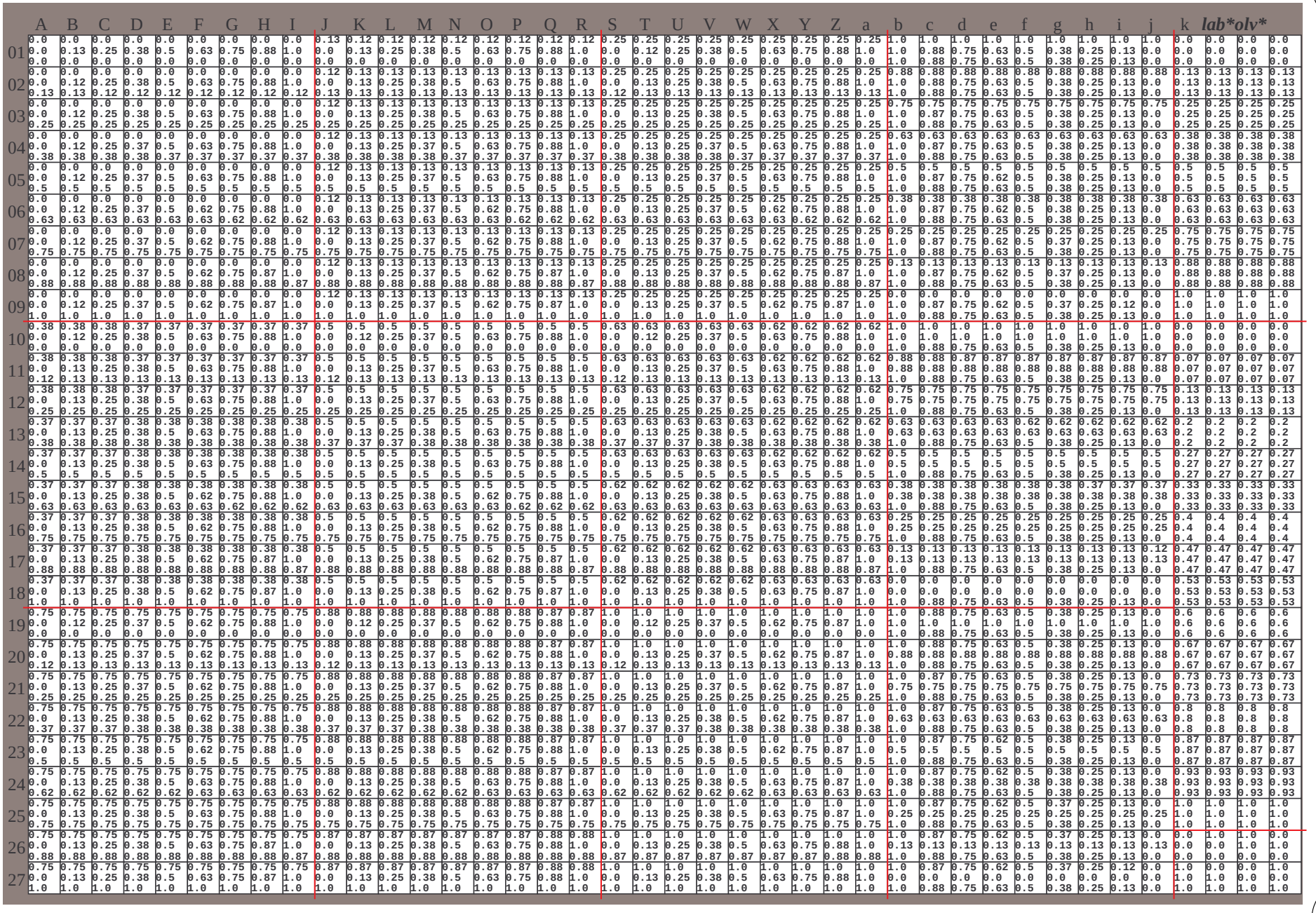
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b75r*
lab*olv*

FRS09_92aM; 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*

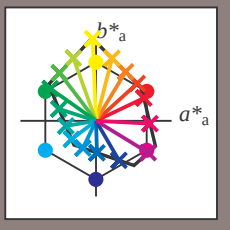




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

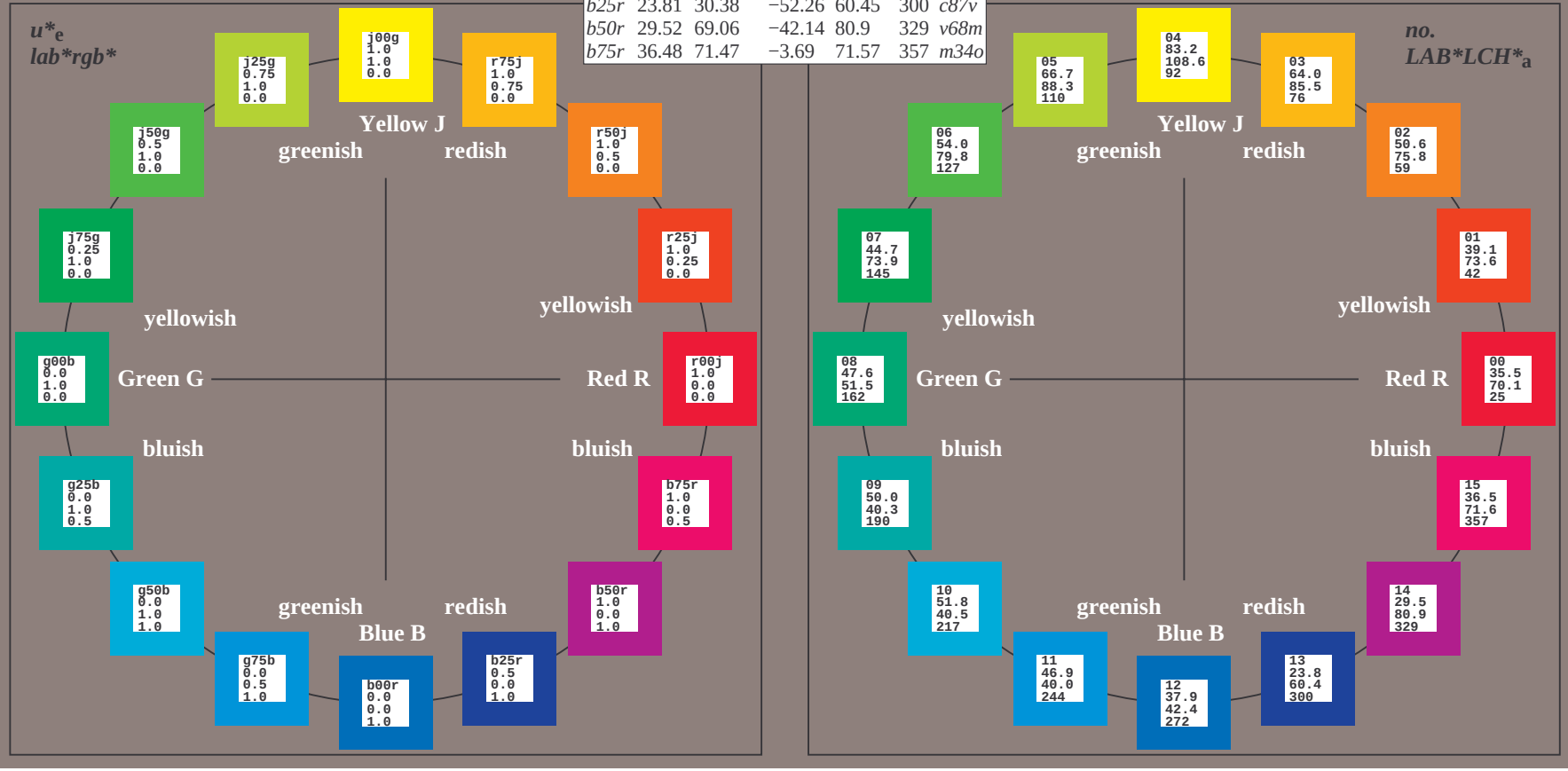
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

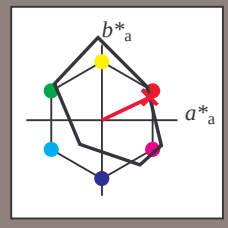
FRS09_92aM; adapted (a) CIELAB data

Name	*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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

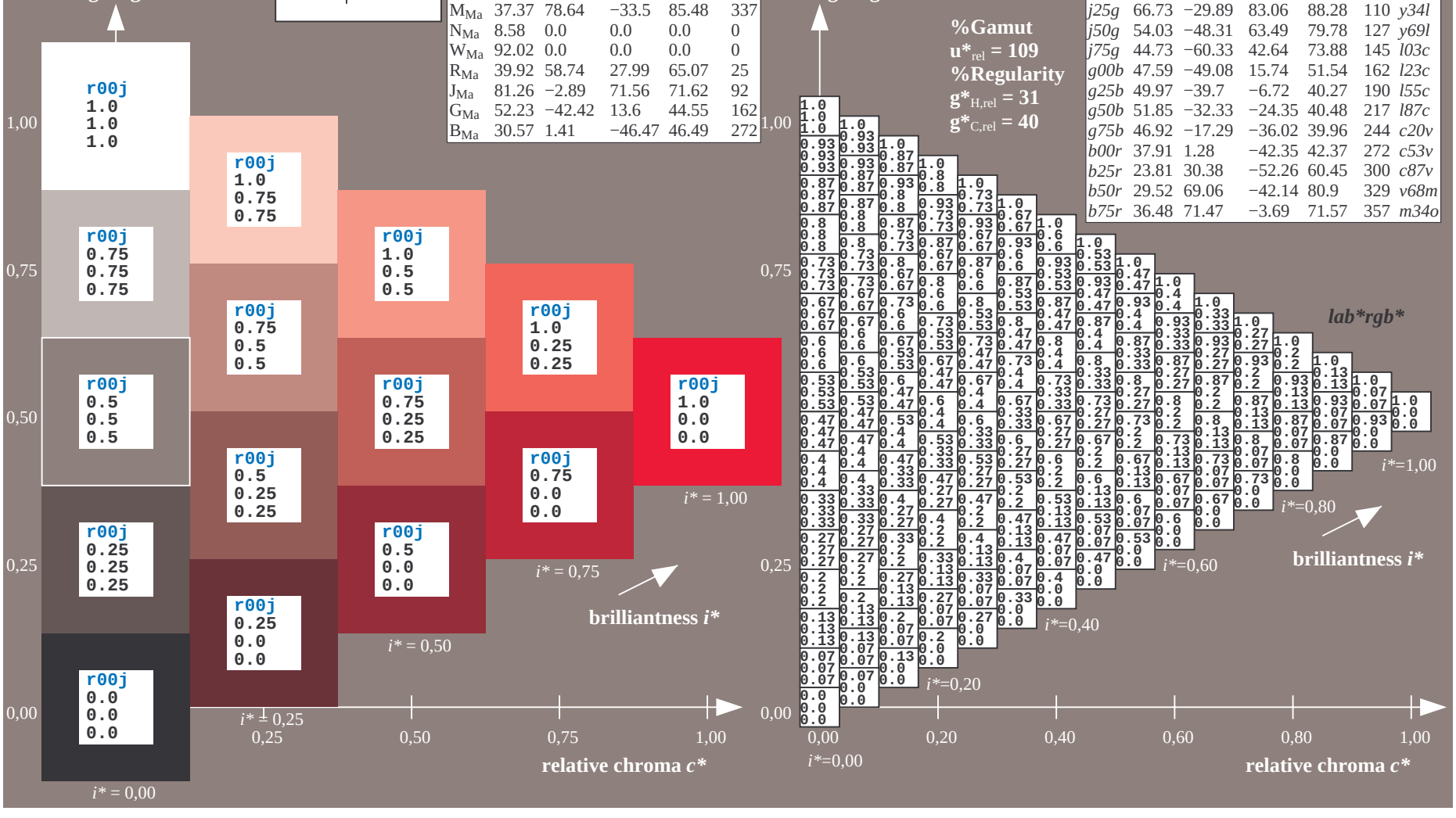
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u^*_e = *r00j*
lab*rgb*

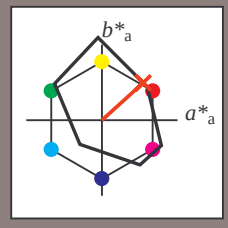
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

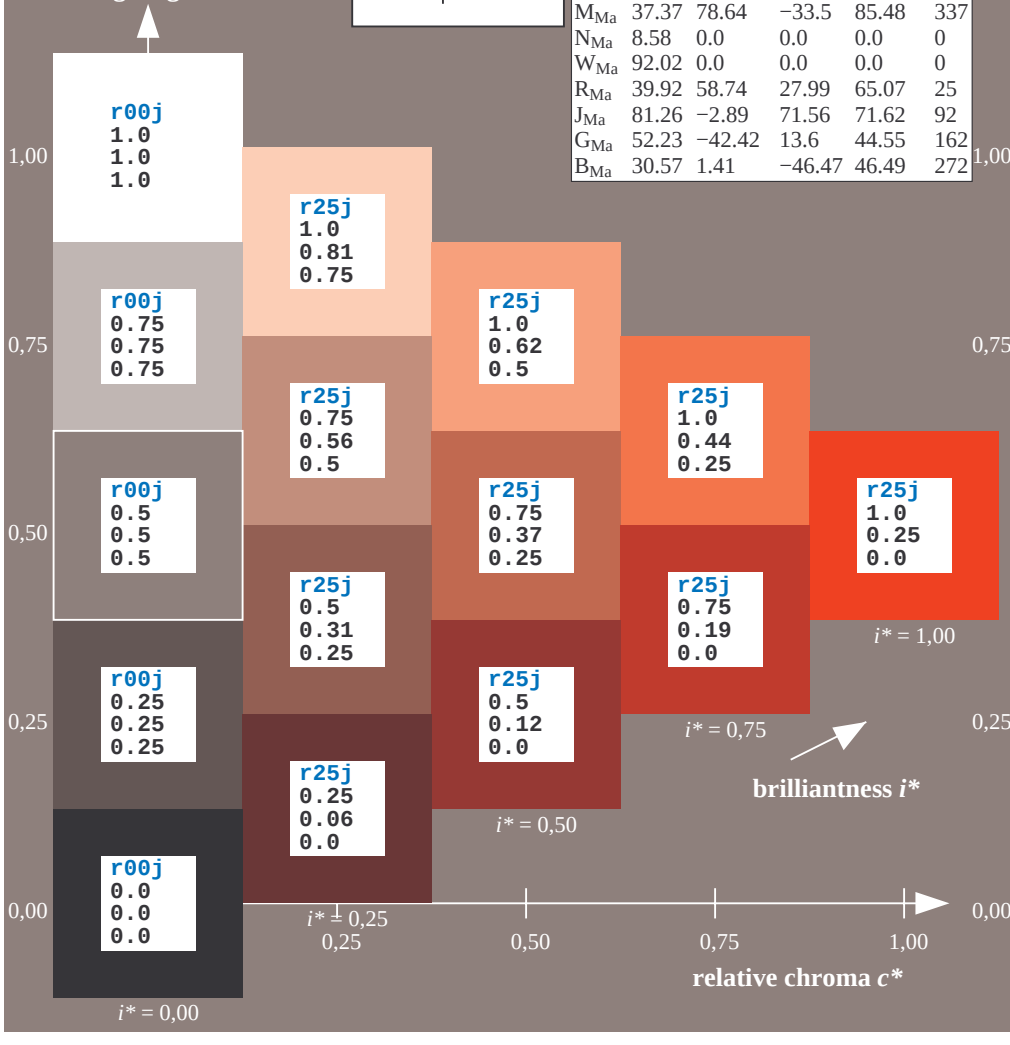
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

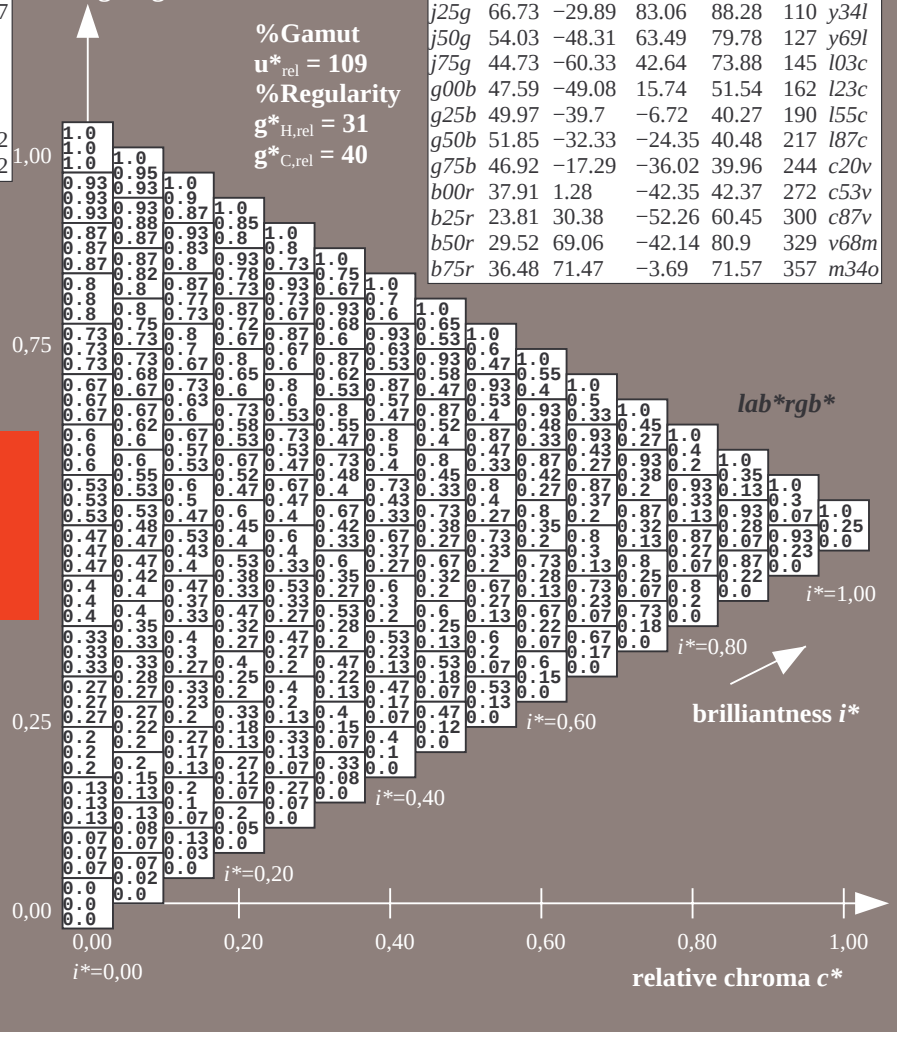
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r25j*
lab*rgb*

FRS09_92aM; adapted (a) CIELAB data

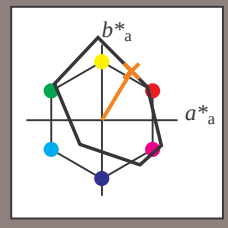
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

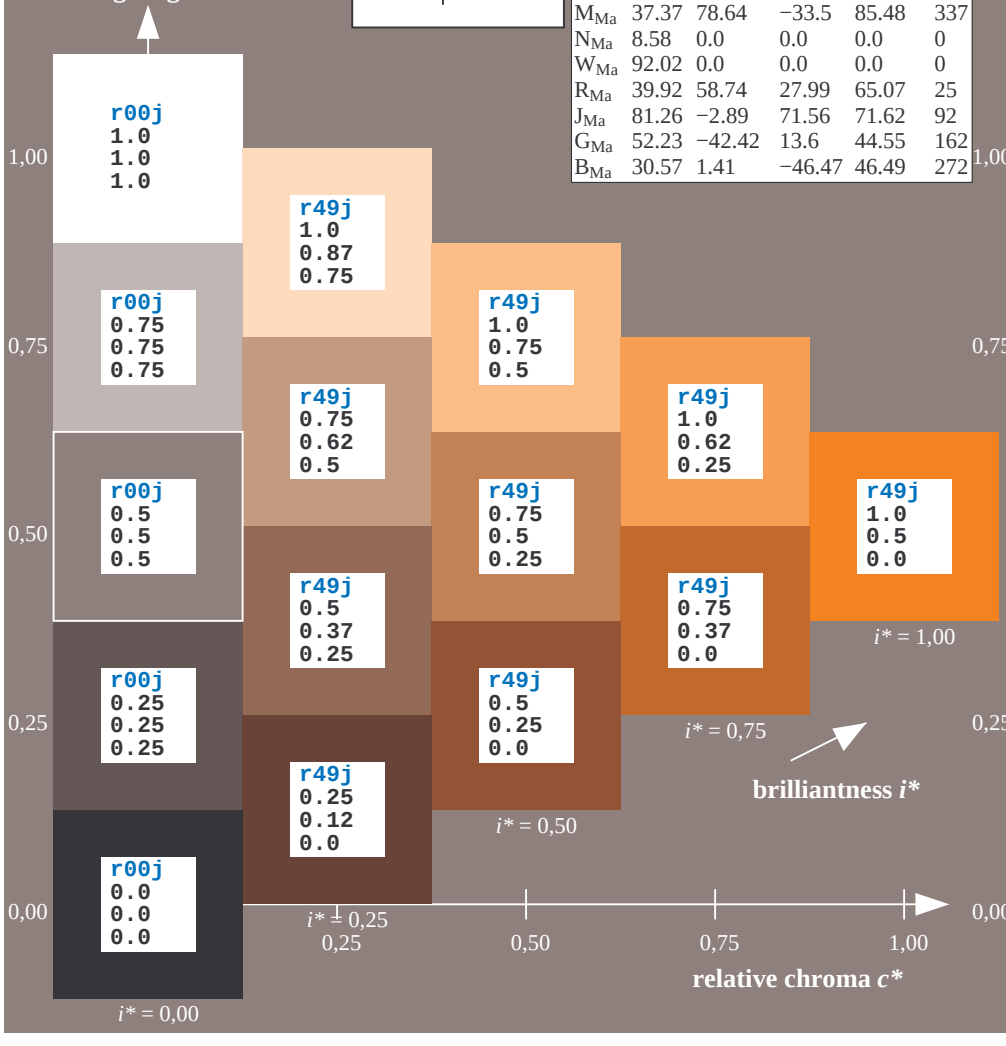
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

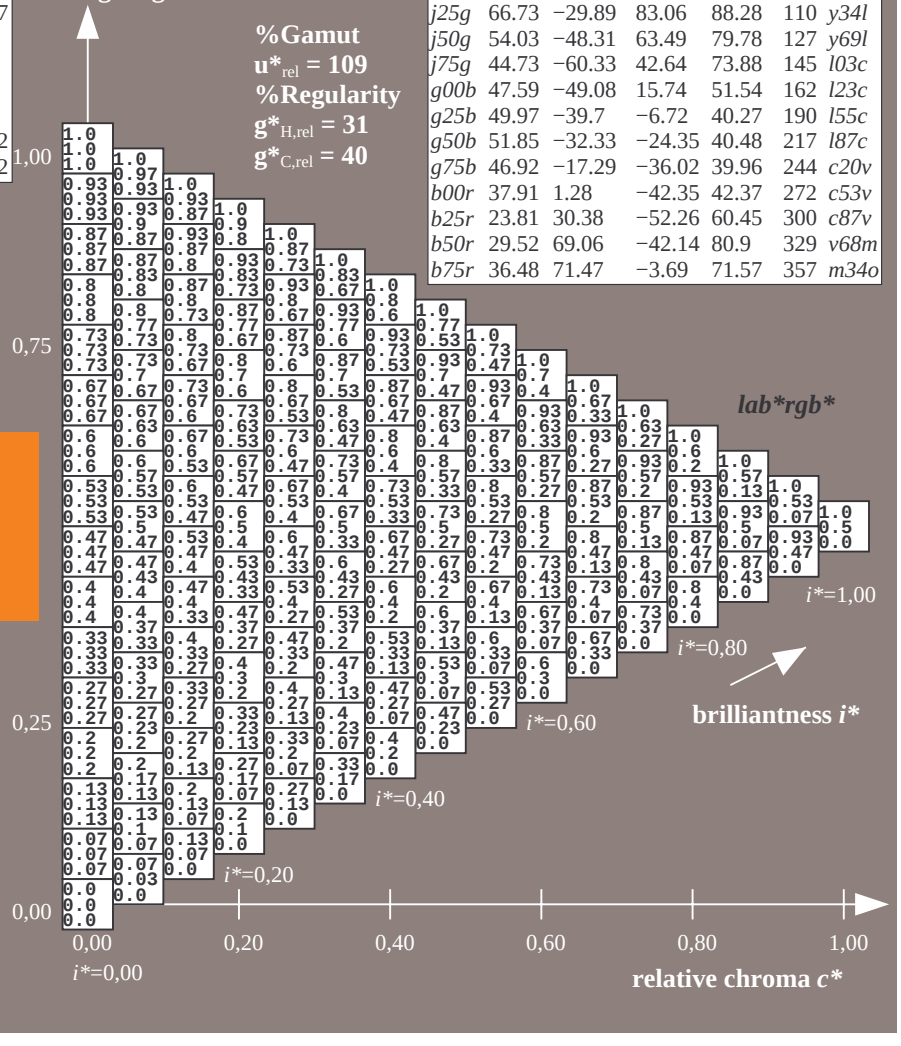
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r50j*
lab*rgb*

FRS09_92aM; 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*

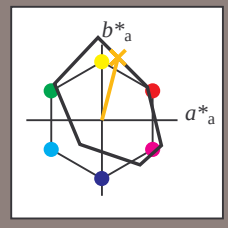




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

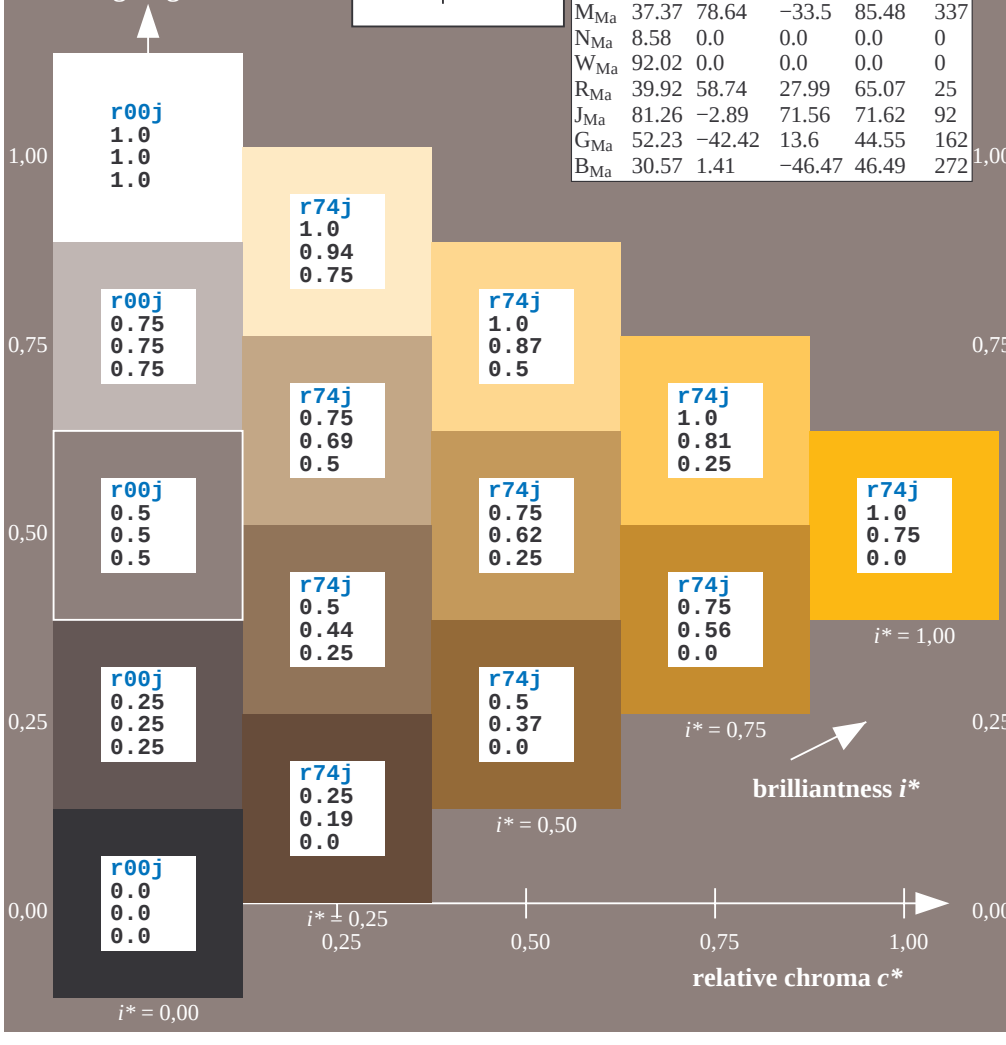
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

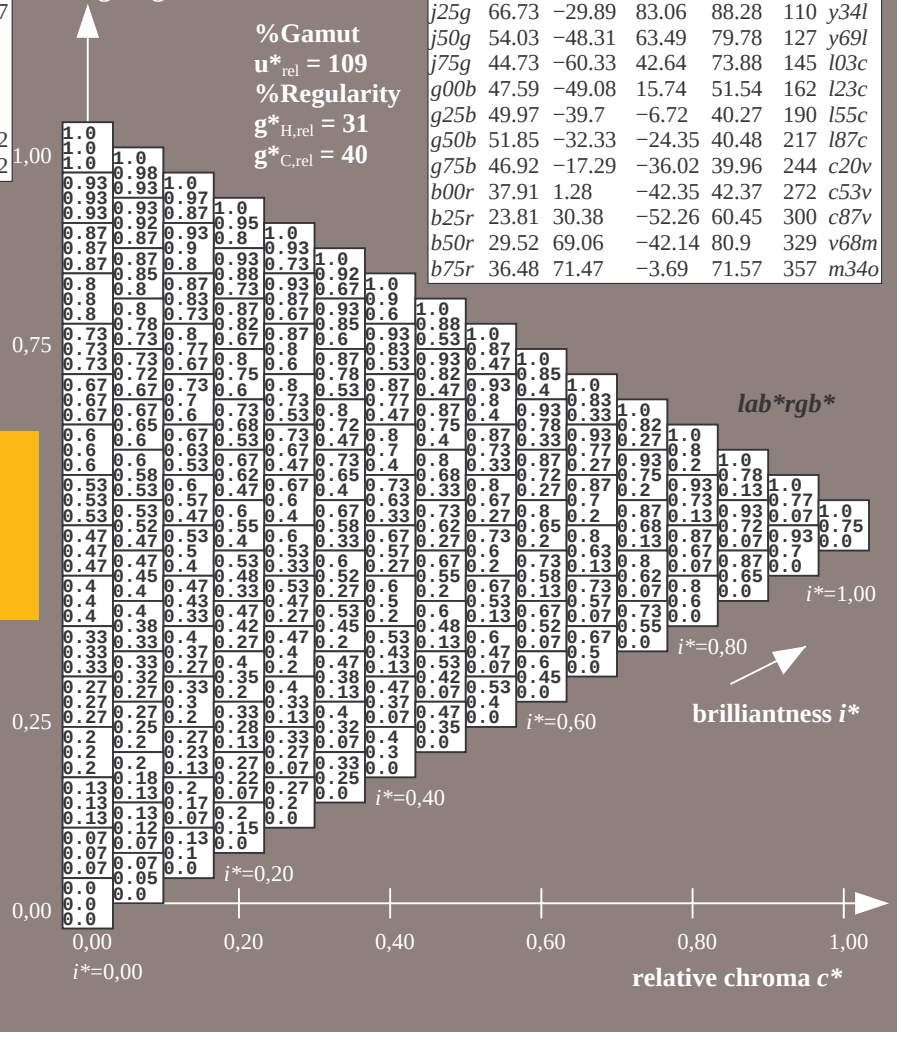
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r75j*
lab*rgb*

FRS09_92aM; adapted (a) CIELAB data

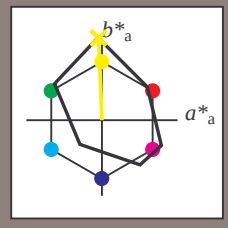
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

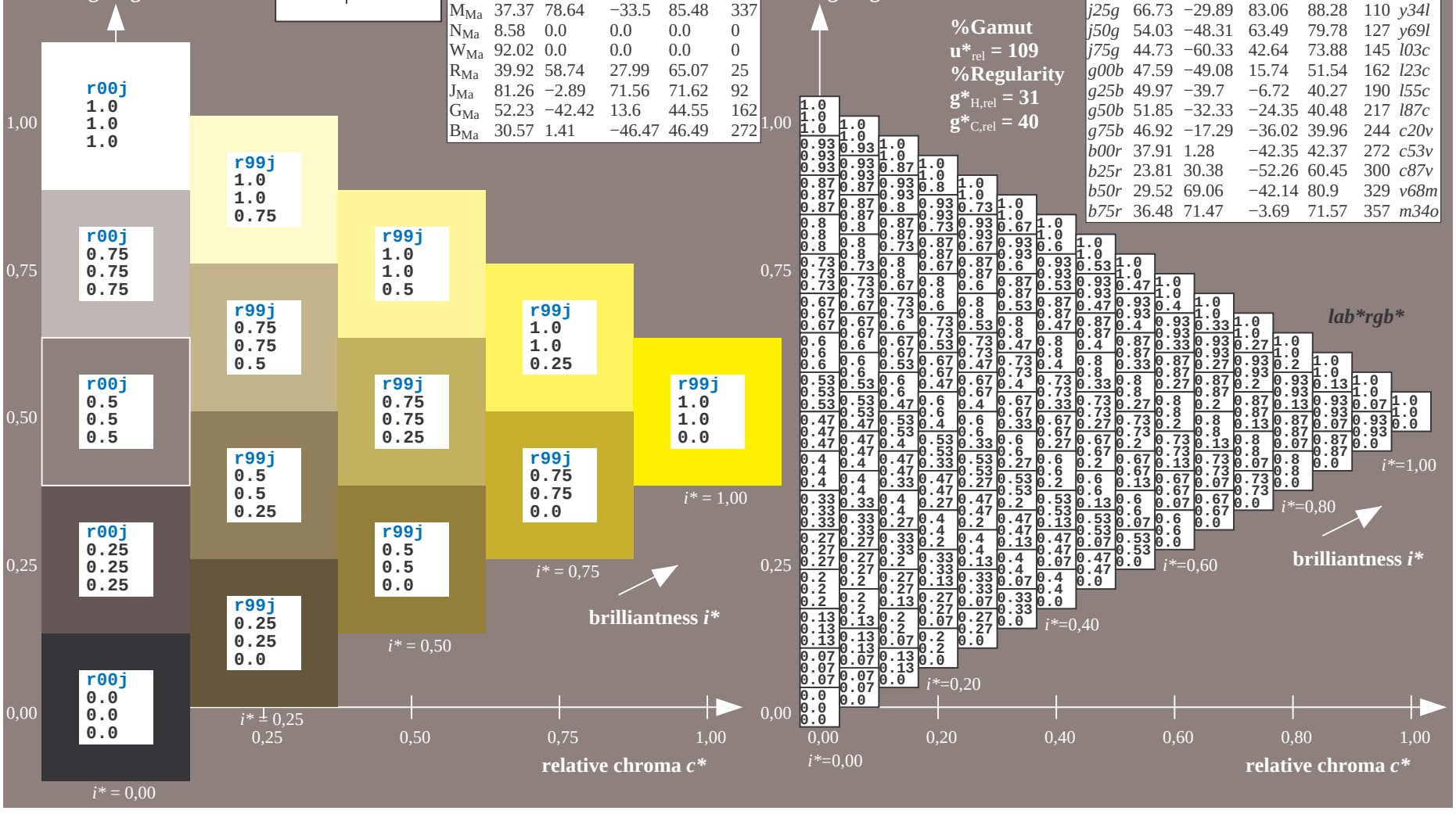
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
lab*rgb*

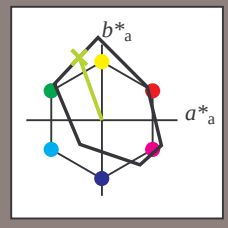
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

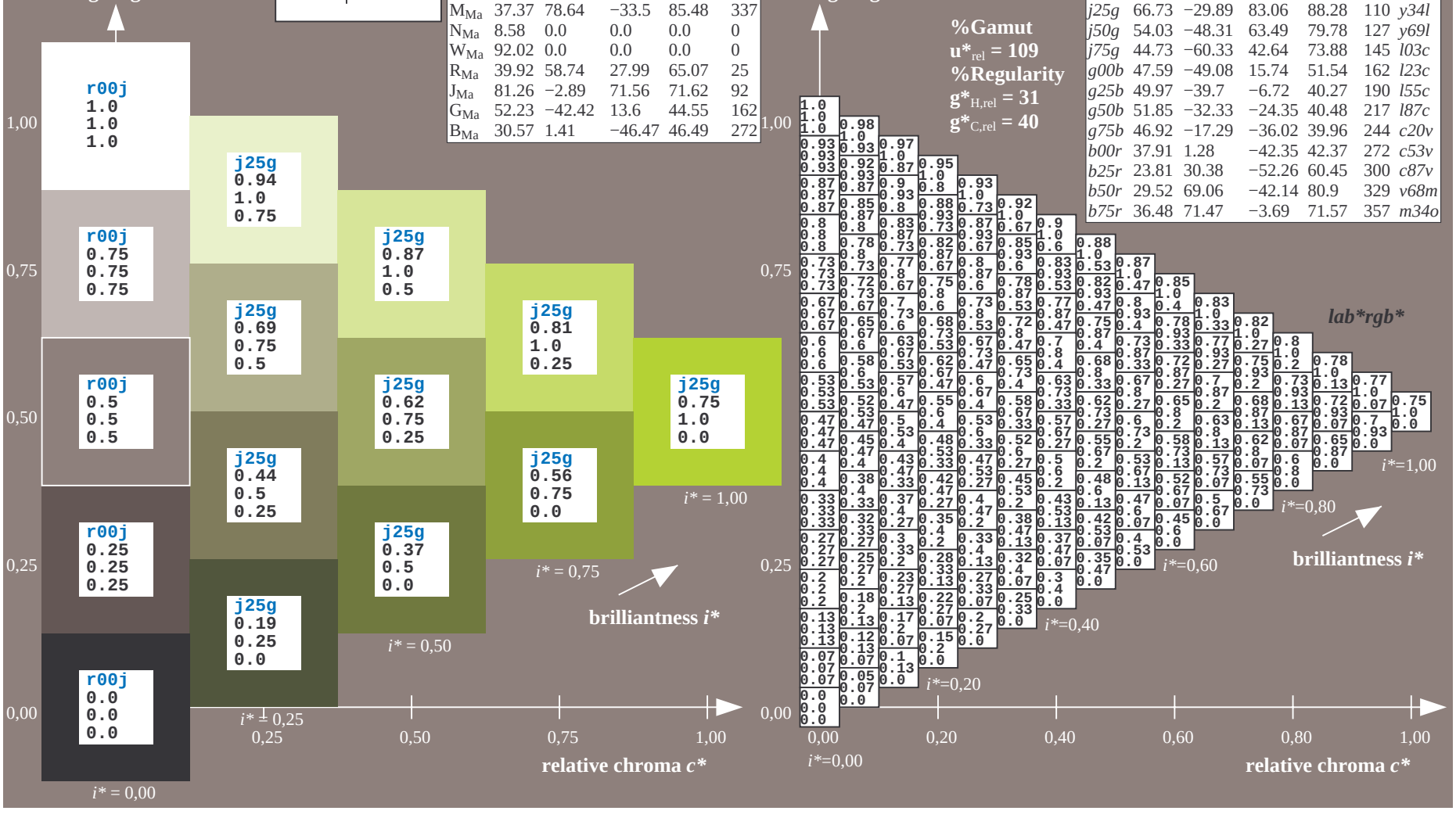
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u*e* = *j25g
lab*rgb*

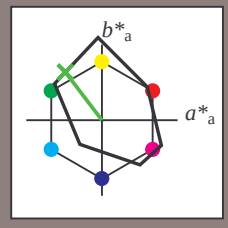
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

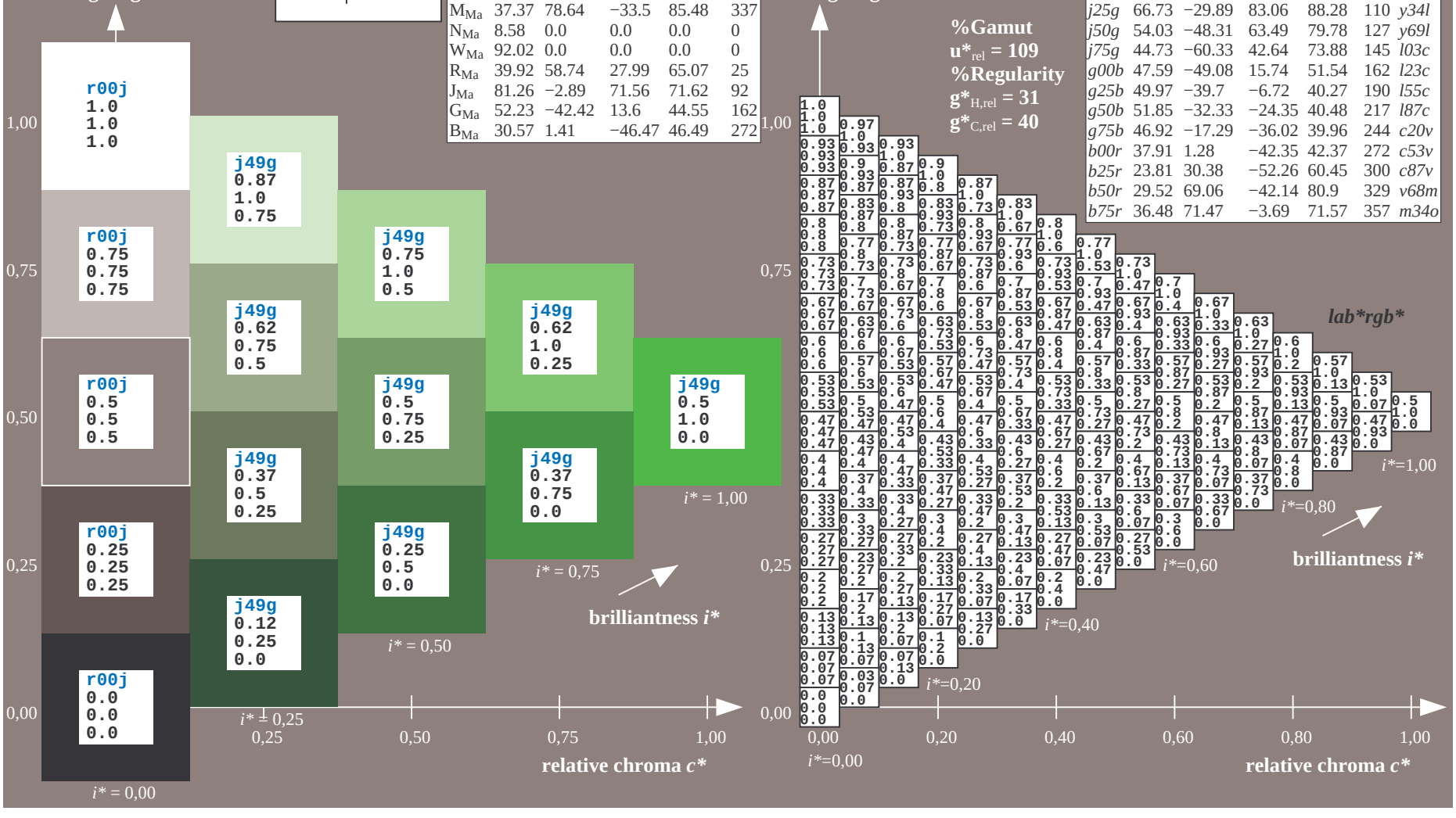
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j50g*
lab*rgb*

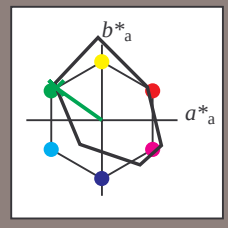
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

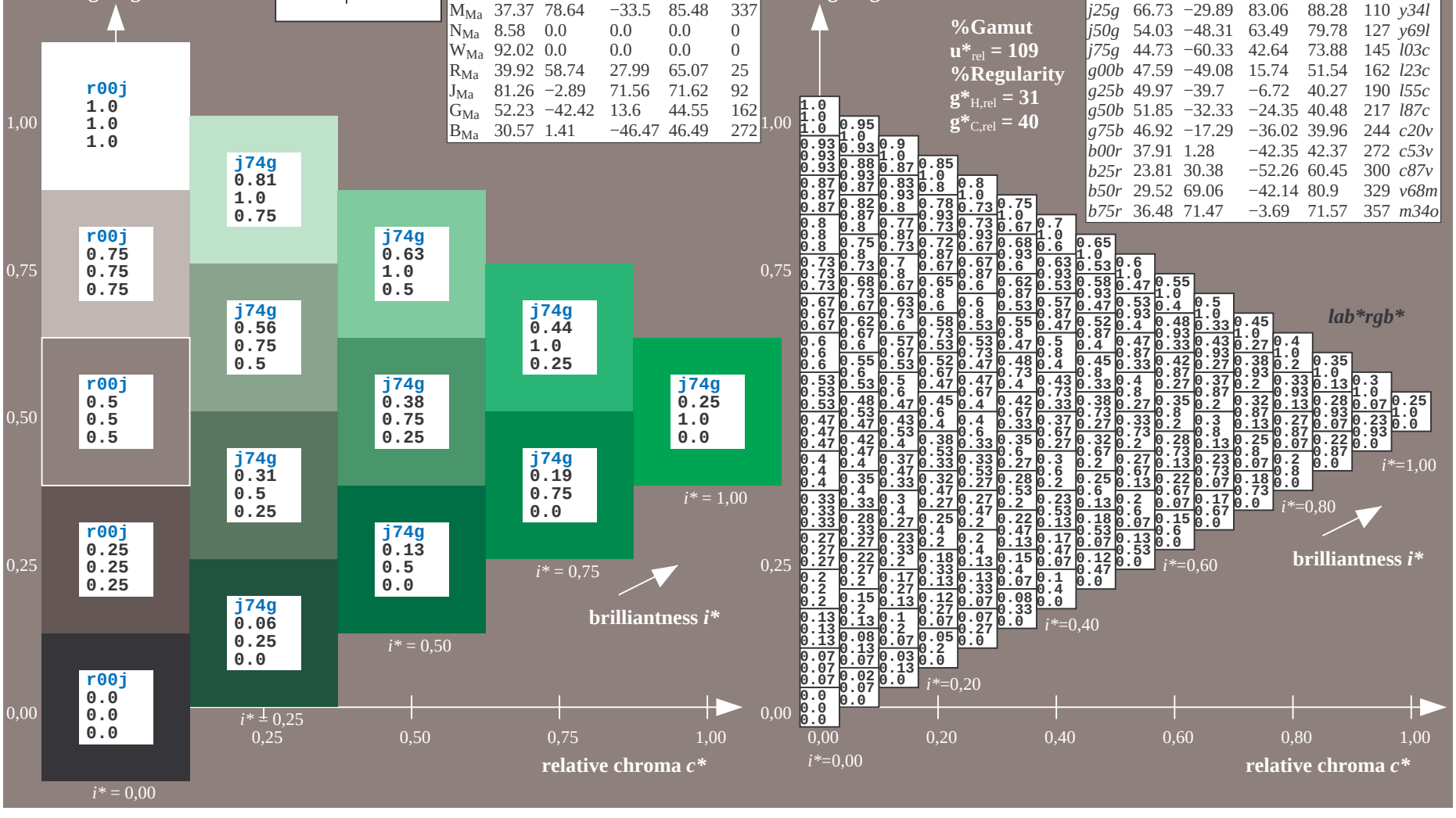
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 45 −60 43
LAB*LCH*$_{Ma}$: 45 74 144
lab*rgb*$_{Ma}$: 0.25 1.0 0.0
lab*olv*$_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

u*e = j75g
lab*rgb*

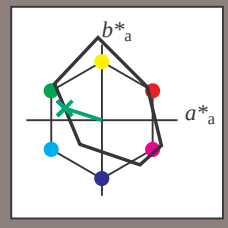
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; 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_{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	

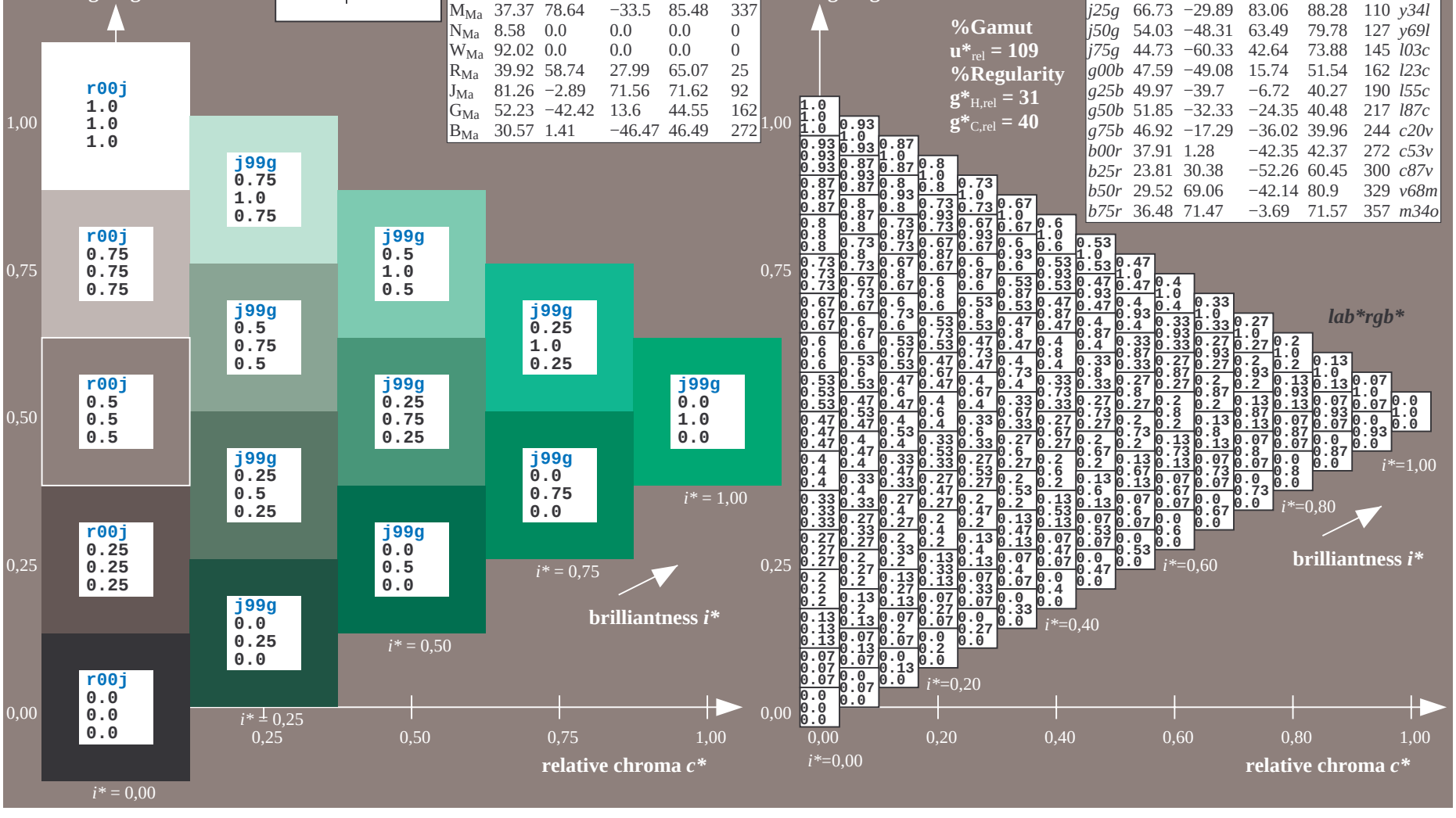
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

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

u^*_e = *g00b*
lab*rgb*

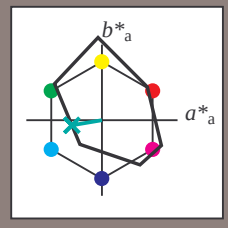
FRS09_92aM; adapted (a) CIELAB data

	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; 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_{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

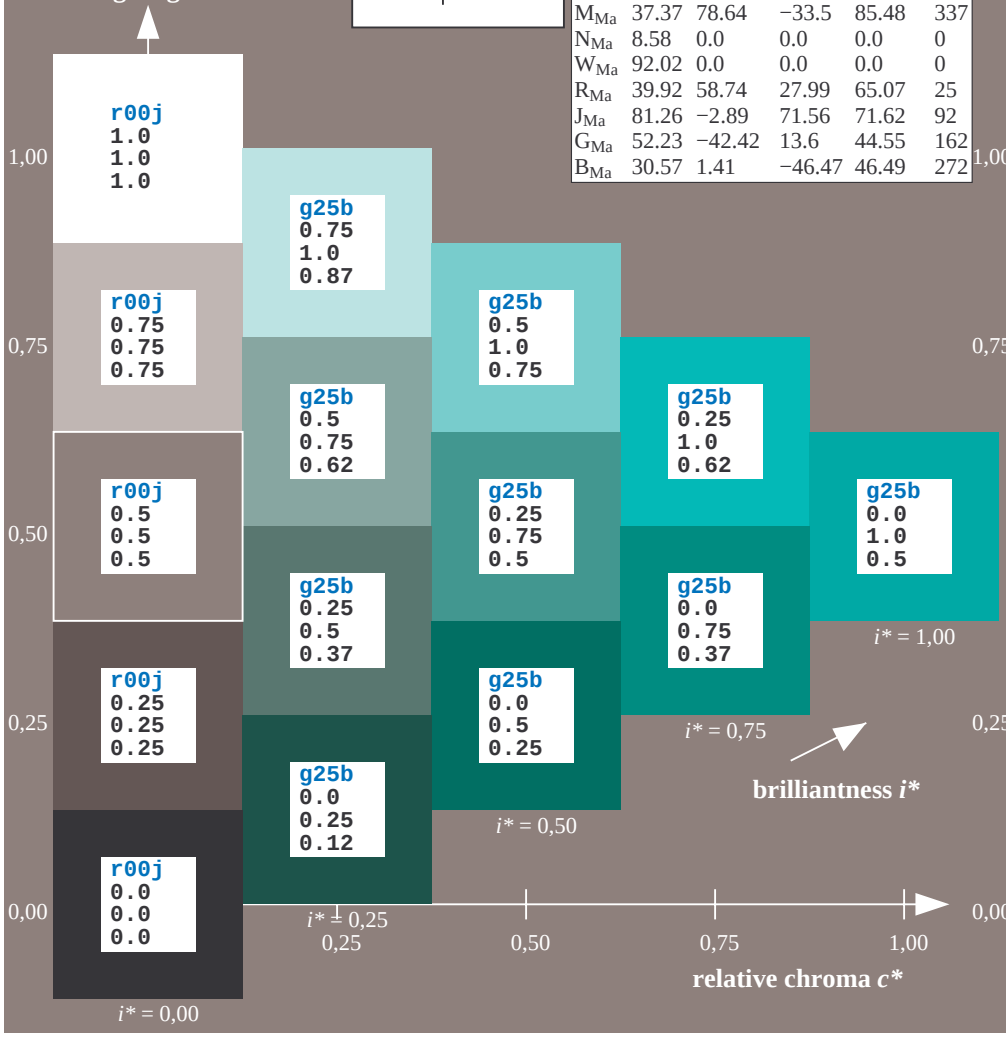
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

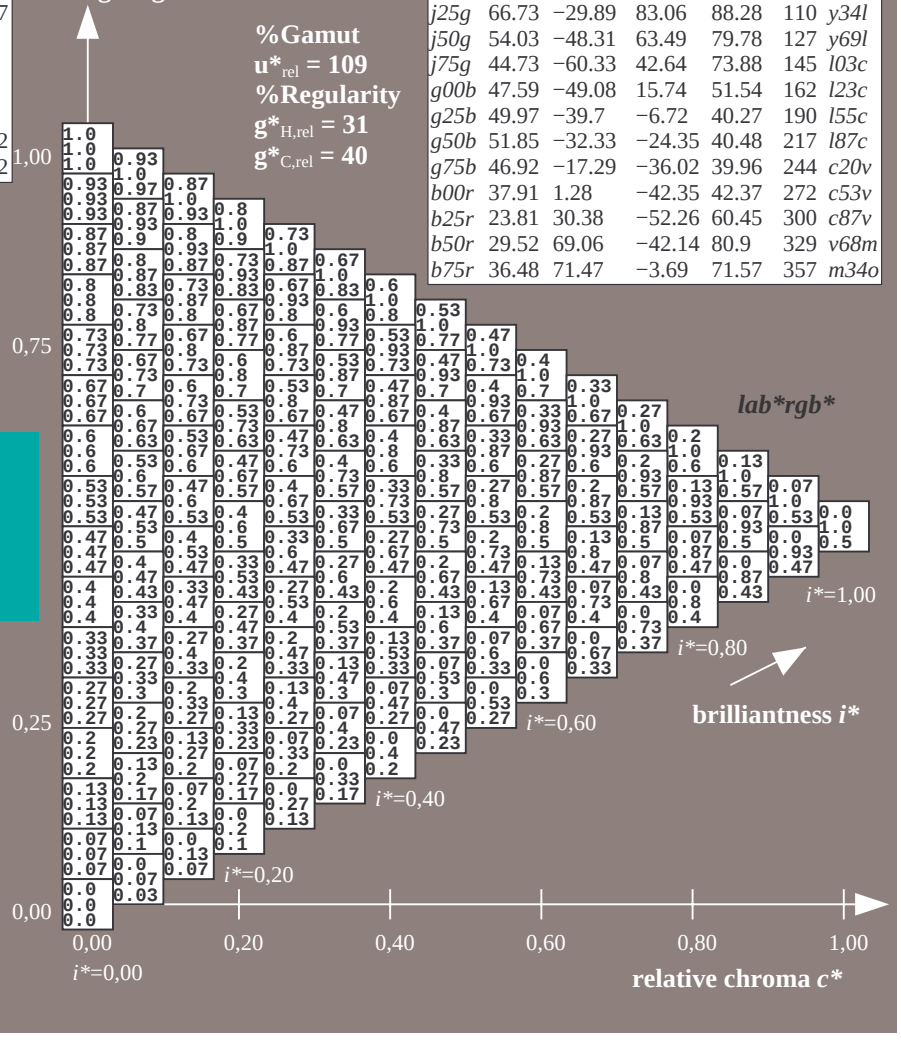
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*e = g25b
lab*rgb*

FRS09_92aM; adapted (a) CIELAB data

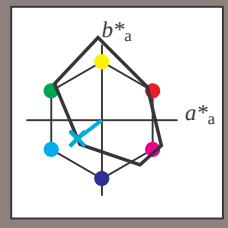
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; 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_{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	

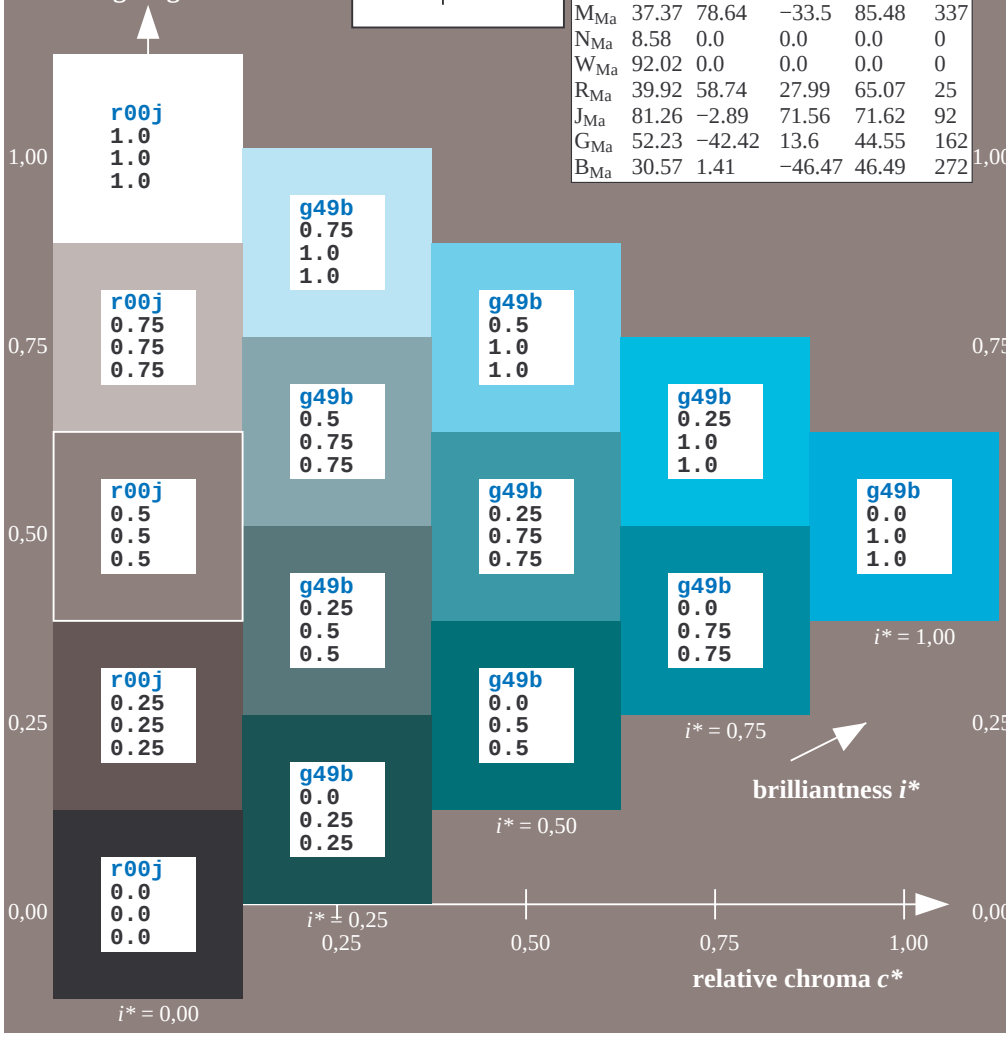
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −32 −24**
LAB*LCH*$_{Ma}$**: 52 40 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.87**
triangle lightness *t**

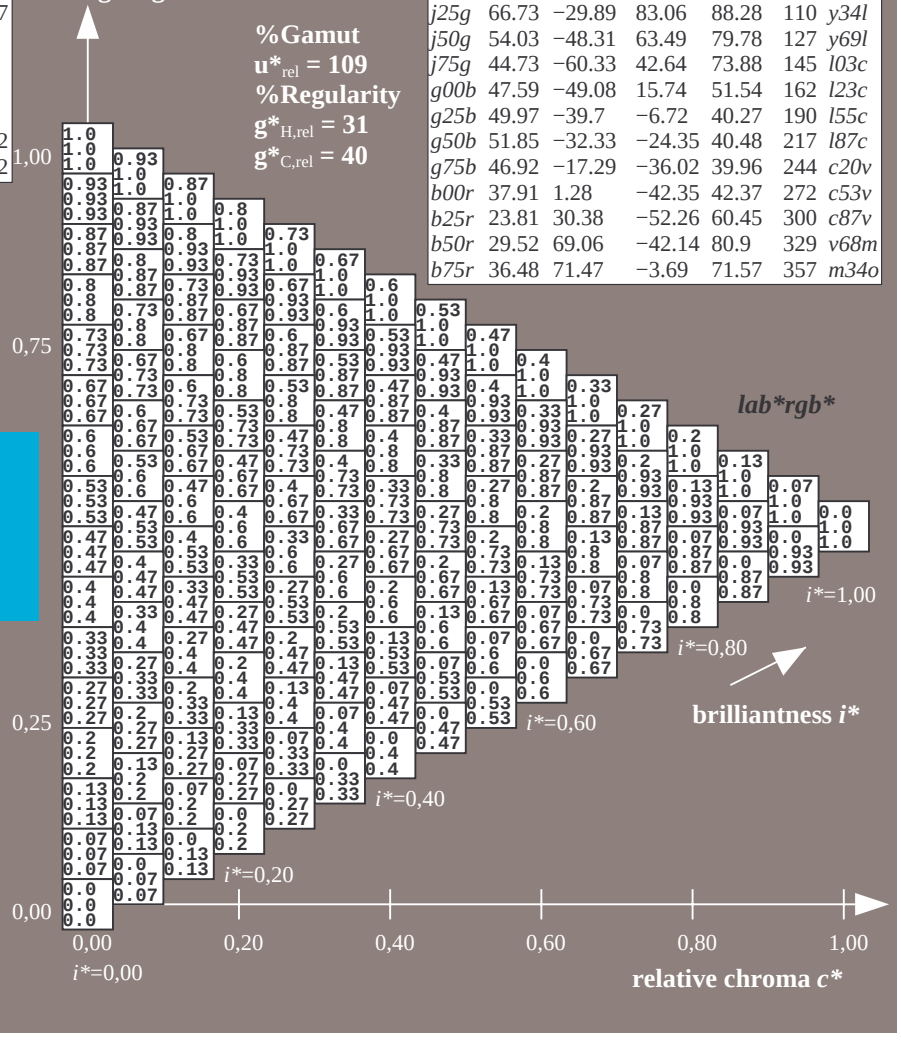
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*e = g50b
lab*rgb*

FRS09_92aM; adapted (a) CIELAB data

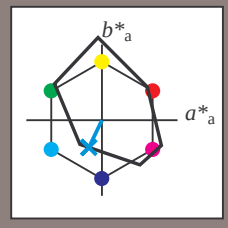
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

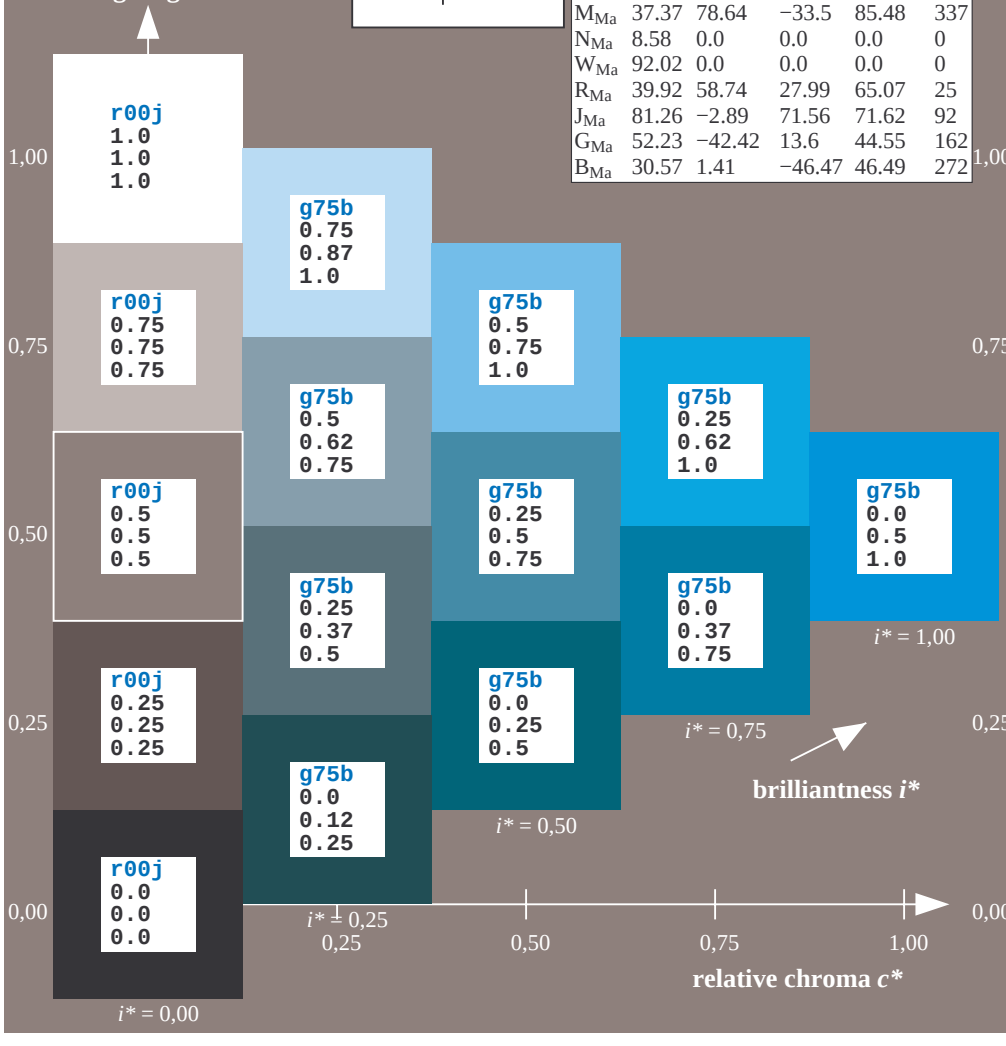
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

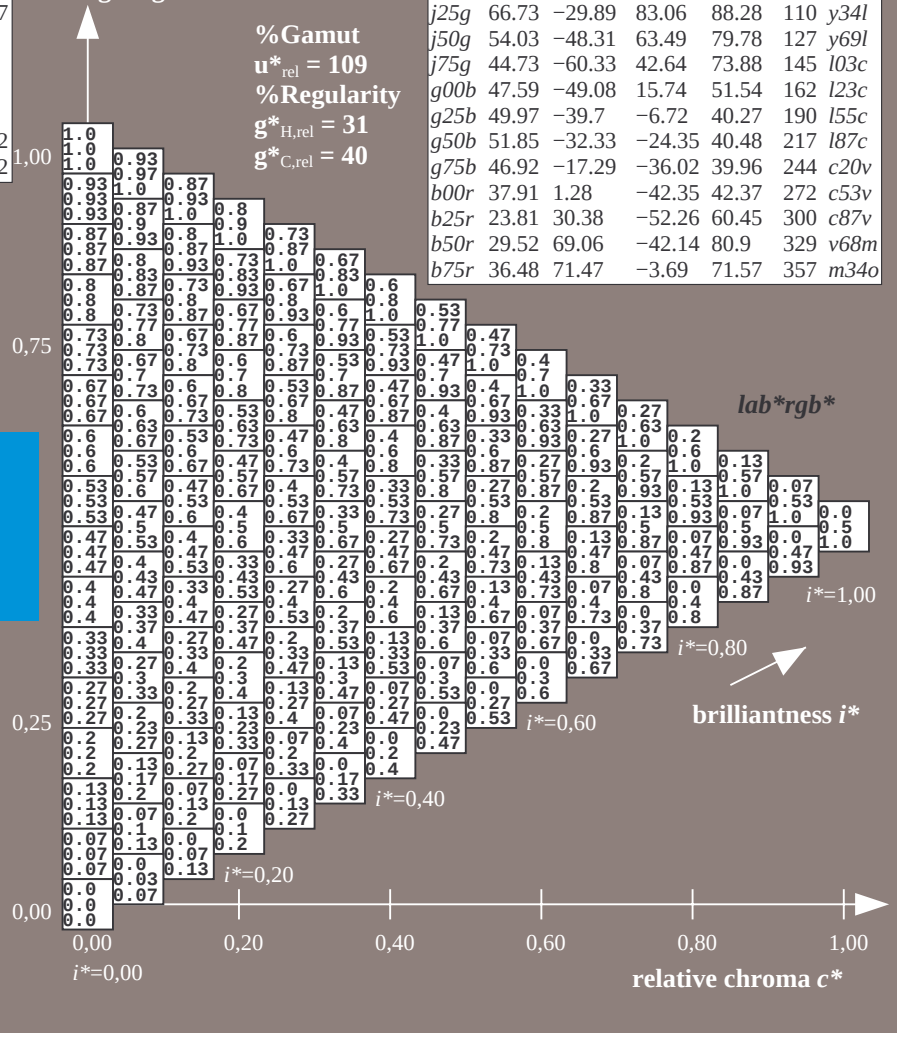
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g75b*
lab*rgb*

FRS09_92aM; adapted (a) CIELAB data

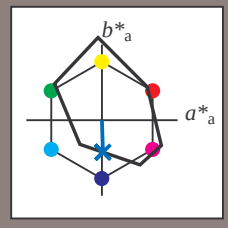
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; 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_{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

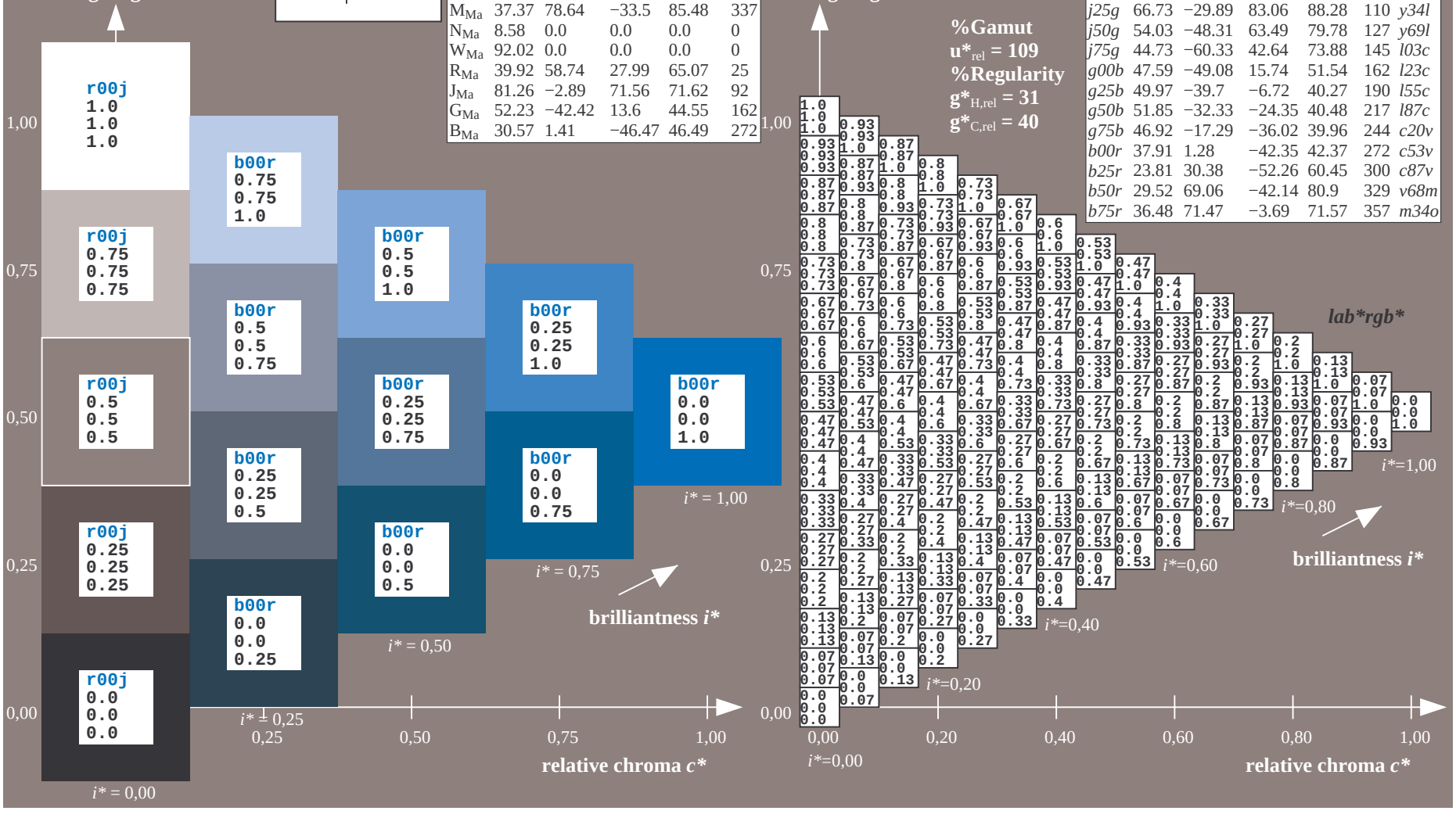
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 1 −42**
LAB*LCH*$_{Ma}$**: 38 42 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.47 1.0**
triangle lightness *t**

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

u^*_e = *b00r*
lab*rgb*

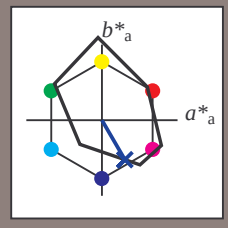
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; 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_{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

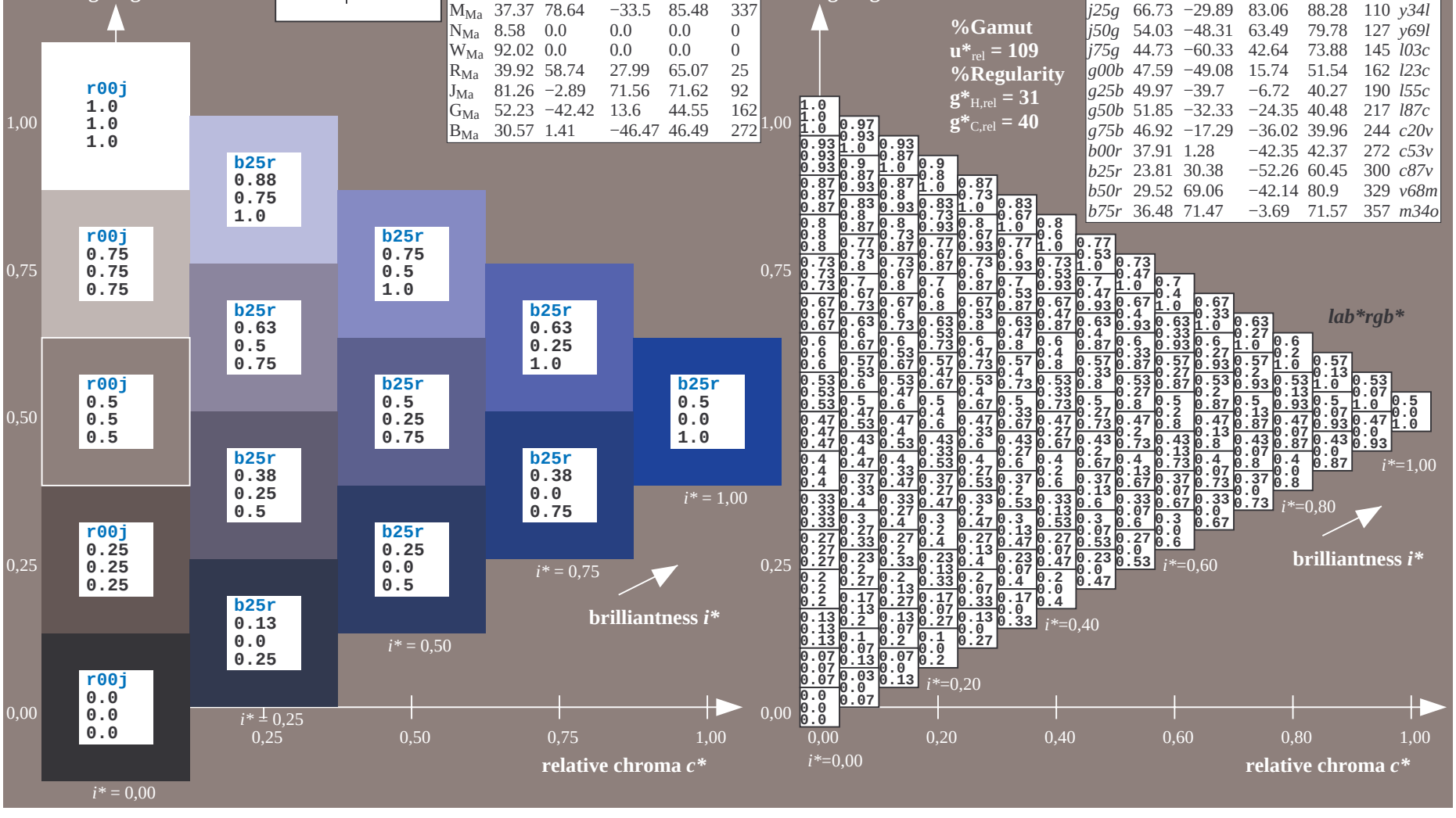
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 24 30 −52**
LAB*LCH*$_{Ma}$**: 24 60 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.12 1.0**
triangle lightness *t**

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

u^*_e = *b25r*
lab*rgb*

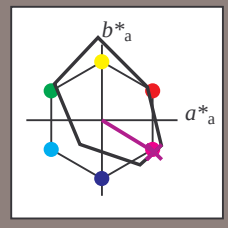
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; 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_{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

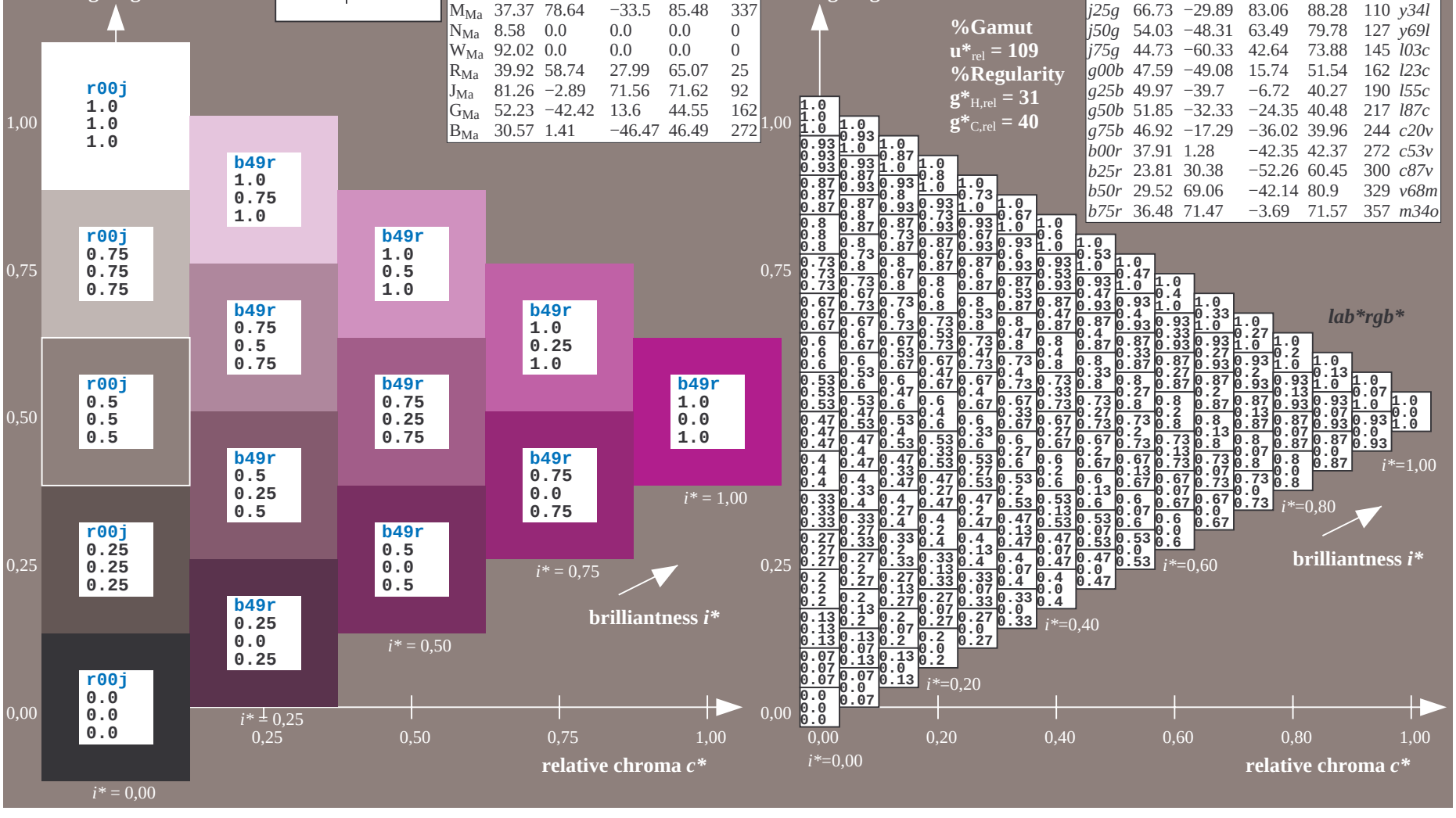
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

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

u^*_e = *b50r*
lab*rgb*

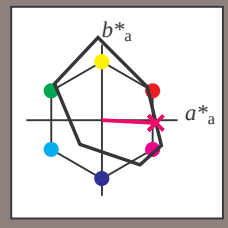
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; 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_{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

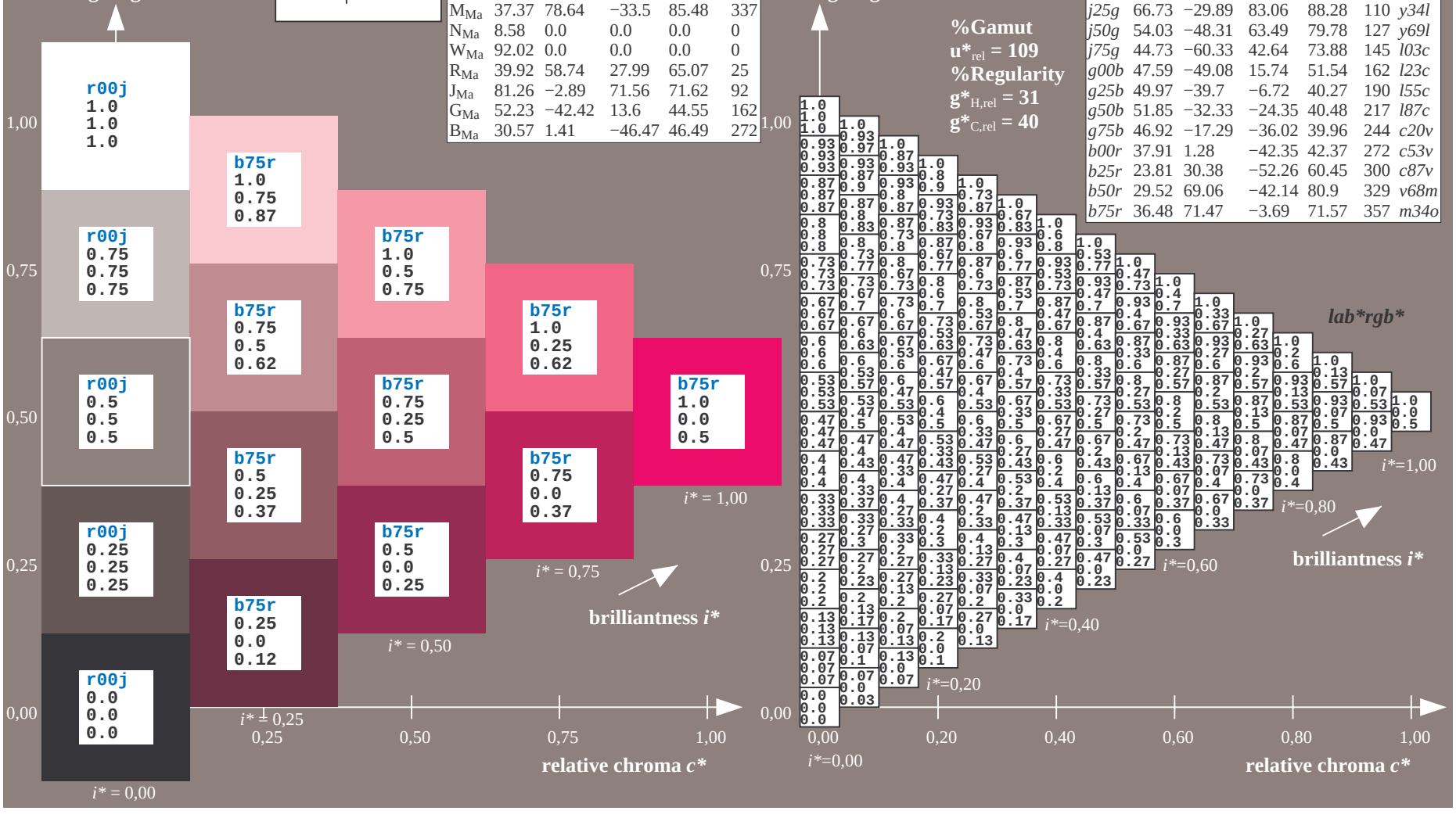
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

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

u^*_e = *b75r*
lab*rgb*

FRS09_92aM; 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*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
01	0.0 0.0 0.0	0.04 0.13 0.0	0.07 0.25 0.0	0.11 0.38 0.0	0.14 0.5 0.0	0.18 0.63 0.0	0.21 0.75 0.0	0.25 0.88 0.0	0.28 1.0 0.0	0.13 0.02 0.0	0.12 0.13 0.0	0.16 0.25 0.0	0.2 0.38 0.0	0.23 0.5 0.0	0.27 0.63 0.0	0.3 0.75 0.0	0.34 0.88 0.0	0.37 1.0 0.0
02	0.09 0.0 0.13	0.0 0.1 0.13	0.0 0.25 0.1	0.0 0.38 0.06	0.0 0.5 0.01	0.02 0.63 0.0	0.06 0.75 0.0	0.1 0.88 0.0	0.13 1.0 0.0	0.13 0.0 0.11	0.13 0.13 0.13	0.16 0.25 0.13	0.2 0.38 0.13	0.23 0.5 0.13	0.27 0.63 0.13	0.3 0.75 0.13	0.34 0.88 0.13	0.37 1.0 0.13
03	0.17 0.0 0.25	0.0 0.01 0.25	0.0 0.2 0.25	0.0 0.38 0.25	0.0 0.5 0.21	0.0 0.63 0.16	0.0 0.75 0.12	0.0 0.88 0.07	0.0 1.0 0.03	0.23 0.0 0.25	0.21 0.13 0.25	0.13 0.23 0.25	0.13 0.38 0.23	0.13 0.5 0.18	0.13 0.63 0.14	0.15 0.75 0.13	0.19 0.88 0.13	0.22 1.0 0.13
04	0.26 0.0 0.38	0.07 0.0 0.38	0.0 0.11 0.38	0.0 0.3 0.38	0.0 0.5 0.4	0.0 0.63 0.36	0.0 0.75 0.31	0.0 0.88 0.27	0.0 1.0 0.22	0.31 0.0 0.38	0.3 0.13 0.38	0.13 0.14 0.38	0.13 0.33 0.38	0.13 0.5 0.38	0.13 0.63 0.33	0.13 0.75 0.29	0.13 0.88 0.24	0.13 1.0 0.2
05	0.34 0.0 0.5	0.16 0.0 0.5	0.0 0.02 0.5	0.0 0.21 0.5	0.0 0.4 0.5	0.0 0.63 0.55	0.0 0.75 0.51	0.0 0.88 0.46	0.0 1.0 0.42	0.4 0.0 0.5	0.38 0.13 0.5	0.2 0.13 0.5	0.13 0.24 0.5	0.13 0.43 0.5	0.13 0.63 0.53	0.13 0.75 0.48	0.13 0.88 0.44	0.13 1.0 0.39
06	0.43 0.0 0.63	0.24 0.0 0.63	0.06 0.0 0.63	0.0 0.13 0.63	0.0 0.31 0.63	0.0 0.5 0.63	0.0 0.75 0.7	0.0 0.88 0.66	0.0 1.0 0.61	0.48 0.0 0.63	0.47 0.13 0.63	0.28 0.13 0.63	0.13 0.15 0.63	0.13 0.34 0.63	0.13 0.53 0.63	0.13 0.75 0.68	0.13 0.88 0.63	0.13 1.0 0.59
07	0.51 0.0 0.75	0.33 0.0 0.75	0.15 0.0 0.75	0.0 0.04 0.75	0.0 0.23 0.75	0.0 0.41 0.75	0.0 0.6 0.75	0.0 0.88 0.85	0.0 1.0 0.81	0.57 0.0 0.75	0.55 0.13 0.75	0.37 0.13 0.75	0.19 0.13 0.75	0.13 0.25 0.75	0.13 0.44 0.75	0.13 0.63 0.75	0.13 0.88 0.83	0.13 1.0 0.78
08	0.6 0.0 0.88	0.41 0.0 0.88	0.23 0.0 0.88	0.05 0.0 0.88	0.0 0.14 0.88	0.0 0.33 0.88	0.0 0.52 0.88	0.0 0.7 0.88	0.0 1.0 1.0	0.65 0.0 0.88	0.64 0.13 0.88	0.45 0.13 0.88	0.27 0.13 0.88	0.13 0.16 0.88	0.13 0.35 0.88	0.13 0.54 0.88	0.13 0.73 0.88	0.13 1.0 0.98
09	0.68 0.0 1.0	0.5 0.0 1.0	0.32 0.0 1.0	0.13 0.0 1.0	0.0 0.05 1.0	0.0 0.24 1.0	0.0 0.43 1.0	0.0 0.62 1.0	0.0 0.8 1.0	0.74 0.0 1.0	0.72 0.13 1.0	0.54 0.13 1.0	0.36 0.13 1.0	0.17 0.13 1.0	0.13 0.26 1.0	0.13 0.45 1.0	0.13 0.64 1.0	0.13 0.83 1.0
10	0.38 0.06 0.0	0.38 0.17 0.0	0.38 0.27 0.0	0.37 0.38 0.0	0.41 0.5 0.0	0.44 0.63 0.0	0.48 0.75 0.0	0.51 0.88 0.0	0.55 1.0 0.0	0.5 0.08 0.0	0.5 0.19 0.0	0.5 0.29 0.0	0.5 0.4 0.0	0.5 0.5 0.0	0.53 0.63 0.0	0.57 0.75 0.0	0.6 0.88 0.0	0.64 1.0 0.0
11	0.38 0.0 0.06	0.38 0.17 0.13	0.38 0.27 0.13	0.37 0.38 0.13	0.41 0.5 0.13	0.44 0.63 0.13	0.48 0.75 0.13	0.52 0.88 0.13	0.55 1.0 0.13	0.5 0.0 0.04	0.5 0.19 0.13	0.5 0.29 0.13	0.5 0.4 0.13	0.5 0.5 0.13	0.53 0.63 0.13	0.57 0.75 0.13	0.6 0.88 0.13	0.64 1.0 0.13
12	0.38 0.0 0.19	0.38 0.13 0.21	0.38 0.27 0.25	0.37 0.38 0.25	0.41 0.5 0.25	0.45 0.63 0.25	0.48 0.75 0.25	0.52 0.88 0.25	0.55 1.0 0.25	0.5 0.0 0.17	0.5 0.13 0.18	0.5 0.29 0.25	0.5 0.4 0.25	0.5 0.5 0.25	0.53 0.63 0.25	0.57 0.75 0.25	0.6 0.88 0.25	0.64 1.0 0.25
13	0.38 0.0 0.32	0.38 0.13 0.34	0.38 0.25 0.36	0.38 0.38 0.38	0.41 0.5 0.38	0.45 0.63 0.38	0.48 0.75 0.38	0.52 0.88 0.38	0.55 1.0 0.38	0.5 0.0 0.3	0.5 0.13 0.31	0.5 0.25 0.33	0.5 0.4 0.38	0.5 0.5 0.38	0.53 0.63 0.38	0.57 0.75 0.38	0.61 0.88 0.38	0.64 1.0 0.38
14	0.5 0.0 0.49	0.5 0.13 0.5	0.48 0.25 0.5	0.46 0.38 0.5	0.38 0.48 0.5	0.38 0.63 0.48	0.38 0.75 0.43	0.38 0.88 0.39	0.4 1.0 0.38	0.5 0.0 0.43	0.5 0.13 0.45	0.5 0.25 0.46	0.5 0.38 0.48	0.5 0.5 0.5	0.54 0.63 0.5	0.57 0.75 0.5	0.61 0.88 0.5	0.64 1.0 0.5
15	0.6 0.0 0.63	0.58 0.13 0.63	0.56 0.25 0.63	0.55 0.38 0.63	0.38 0.39 0.63	0.38 0.58 0.63	0.38 0.75 0.63	0.38 0.88 0.58	0.38 1.0 0.54	0.63 0.0 0.59	0.63 0.13 0.61	0.62 0.25 0.63	0.6 0.38 0.63	0.59 0.5 0.63	0.5 0.6 0.63	0.5 0.75 0.6	0.5 0.88 0.56	0.5 1.0 0.51
16	0.68 0.0 0.75	0.67 0.13 0.75	0.65 0.25 0.75	0.63 0.38 0.75	0.45 0.38 0.75	0.38 0.49 0.75	0.38 0.68 0.75	0.38 0.88 0.78	0.38 1.0 0.73	0.74 0.0 0.75	0.72 0.13 0.75	0.71 0.25 0.75	0.69 0.38 0.75	0.67 0.5 0.75	0.5 0.51 0.75	0.5 0.7 0.75	0.5 0.88 0.75	0.5 1.0 0.71
17	0.77 0.0 0.88	0.75 0.13 0.88	0.73 0.25 0.88	0.72 0.38 0.88	0.53 0.38 0.88	0.38 0.4 0.88	0.38 0.59 0.88	0.38 0.78 0.88	0.38 1.0 0.93	0.83 0.0 0.88	0.81 0.13 0.88	0.79 0.25 0.88	0.77 0.38 0.88	0.76 0.5 0.88	0.57 0.5 0.88	0.5 0.61 0.88	0.5 0.8 0.88	0.5 1.0 0.9
18	0.86 0.0 1.0	0.84 0.13 1.0	0.82 0.25 1.0	0.8 0.38 1.0	0.62 0.38 1.0	0.44 0.38 1.0	0.38 0.5 1.0	0.38 0.69 1.0	0.38 0.88 1.0	0.91 0.0 1.0	0.9 0.13 1.0	0.88 0.25 1.0	0.86 0.38 1.0	0.84 0.5 1.0	0.66 0.5 1.0	0.5 0.52 1.0	0.5 0.71 1.0	0.5 0.9 1.0
19	0.75 0.12 0.0	0.75 0.23 0.0	0.75 0.33 0.0	0.75 0.44 0.0	0.75 0.54 0.0	0.75 0.65 0.0	0.75 0.75 0.0	0.78 0.88 0.0	0.82 1.0 0.0	0.88 0.14 0.0	0.88 0.25 0.0	0.88 0.35 0.0	0.88 0.46 0.0	0.88 0.56 0.0	0.88 0.67 0.0	0.88 0.77 0.0	0.87 0.88 0.0	0.91 1.0 0.0
20	0.75 0.01 0.0	0.75 0.23 0.13	0.75 0.33 0.13	0.75 0.44 0.13	0.75 0.54 0.13	0.75 0.65 0.13	0.75 0.75 0.13	0.78 0.88 0.13	0.82 1.0 0.13	0.88 0.03 0.0	0.88 0.25 0.13	0.88 0.35 0.13	0.88 0.46 0.13	0.88 0.56 0.13	0.88 0.67 0.13	0.88 0.77 0.13	0.87 0.88 0.13	0.91 1.0 0.13
21	0.75 0.0 0.12	0.75 0.13 0.14	0.75 0.33 0.25	0.75 0.44 0.25	0.75 0.54 0.25	0.75 0.65 0.25	0.75 0.75 0.25	0.78 0.88 0.25	0.82 1.0 0.25	0.88 0.0 0.09	0.88 0.13 0.13	0.88 0.35 0.25	0.88 0.46 0.25	0.88 0.56 0.25	0.88 0.67 0.25	0.88 0.77 0.25	0.87 0.88 0.25	0.91 1.0 0.25
22	0.75 0.0 0.25	0.75 0.13 0.27	0.75 0.25 0.29	0.75 0.44 0.38	0.75 0.54 0.38	0.75 0.65 0.38	0.75 0.75 0.38	0.78 0.88 0.38	0.82 1.0 0.38	0.88 0.0 0.23	0.88 0.13 0.24	0.88 0.25 0.26	0.88 0.46 0.38	0.88 0.56 0.38	0.88 0.67 0.38	0.88 0.77 0.38	0.87 0.88 0.38	0.91 1.0 0.38
23	0.75 0.0 0.38	0.75 0.13 0.4	0.75 0.25 0.42	0.75 0.38 0.43	0.75 0.54 0.5	0.75 0.65 0.5	0.75 0.75 0.5	0.78 0.88 0.5	0.82 1.0 0.5	0.88 0.0 0.36	0.88 0.13 0.37	0.88 0.25 0.39	0.88 0.38 0.41	0.88 0.56 0.5	0.88 0.67 0.5	0.88 0.77 0.5	0.87 0.88 0.5	0.91 1.0 0.5
24	0.75 0.0 0.51	0.75 0.13 0.53	0.75 0.25 0.55	0.75 0.38 0.56	0.75 0.5 0.58	0.75 0.65 0.63	0.75 0.75 0.63	0.78 0.88 0.63	0.82 1.0 0.63	0.88 0.0 0.49	0.88 0.13 0.5	0.88 0.25 0.52	0.88 0.38 0.54	0.88 0.5 0.56	0.88 0.67 0.63	0.88 0.77 0.63	0.87 0.88 0.63	0.91 1.0 0.63
25	0.75 0.0 0.64	0.75 0.13 0.66	0.75 0.25 0.68	0.75 0.38 0.7	0.75 0.5 0.71	0.75 0.63 0.73	0.75 0.75 0.75	0.79 0.88 0.75	0.82 1.0 0.75	0.88 0.0 0.62	0.88 0.13 0.63	0.88 0.25 0.65	0.88 0.38 0.67	0.88 0.5 0.69	0.88 0.63 0.71	0.88 0.77 0.75	0.87 0.88 0.75	0.91 1.0 0.75
26	0.88 0.0 0.81	0.88 0.13 0.82	0.88 0.25 0.84	0.88 0.38 0.86	0.87 0.5 0.88	0.85 0.63 0.88	0.84 0.75 0.88	0.75 0.85 0.88	0.75 1.0 0.85	0.88 0.0 0.75	0.88 0.13 0.77	0.88 0.25 0.78	0.88 0.38 0.8	0.88 0.5 0.82	0.88 0.63 0.84	0.88 0.75 0.86	0.88 0.88 0.88	0.91 1.0 0.88
27	1.0 0.0 0.97	1.0 0.13 0.99	0.99 0.25 1.0	0.97 0.38 1.0	0.96 0.5 1.0	0.94 0.63 1.0	0.92 0.75 1.0	0.75 0.76 1.0	0.75 0.95 1.0	1.0 0.0 0.91	1.0 0.13 0.93	1.0 0.25 0.95	1.0 0.38 0.97	1.0 0.5 0.99	1.0 0.63 1.0	0.98 0.75 1.0	0.96 0.88 1.0	0.88 0.98 1.0

	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*		
01	0.25 0.04 0.0	0.25 0.15 0.0	0.25 0.25 0.0	0.28 0.38 0.0	0.32 0.5 0.0	0.35 0.63 0.0	0.39 0.75 0.0	0.43 0.88 0.0	0.46 1.0 0.0	1.0 1.0 1.0	1.0 0.9 0.88	1.0 0.79 0.75	1.0 0.69 0.63	1.0 0.58 0.5	1.0 0.48 0.38	1.0 0.37 0.25	1.0 0.27 0.13	1.0 0.16 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
02	0.25 0.0 0.08	0.25 0.15 0.13	0.25 0.25 0.13	0.28 0.38 0.13	0.32 0.5 0.13	0.36 0.63 0.13	0.39 0.75 0.13	0.43 0.88 0.13	0.46 1.0 0.13	0.88 0.98 1.0	0.88 0.88 0.88	0.88 0.77 0.75	0.88 0.67 0.63	0.88 0.56 0.5	0.88 0.46 0.38	0.88 0.35 0.25	0.88 0.25 0.13	0.88 0.14 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
03	0.25 0.0 0.21	0.25 0.13 0.23	0.25 0.25 0.25	0.29 0.38 0.25	0.32 0.5 0.25	0.36 0.63 0.25	0.39 0.75 0.25	0.43 0.88 0.25	0.46 1.0 0.25	0.75 0.95 1.0	0.75 0.85 0.88	0.75 0.75 0.75	0.75 0.65 0.63	0.75 0.54 0.5	0.75 0.44 0.38	0.75 0.33 0.25	0.75 0.23 0.13	0.75 0.12 0.0	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25	0.25 0.25 0.25
04	0.37 0.0 0.38	0.35 0.13 0.38	0.34 0.25 0.38	0.25 0.35 0.38	0.25 0.5 0.35	0.25 0.63 0.31	0.25 0.75 0.26	0.27 0.88 0.25	0.31 1.0 0.25	0.63 0.93 1.0	0.63 0.83 0.88	0.63 0.73 0.75	0.63 0.63 0.63	0.63 0.52 0.5	0.63 0.42 0.38	0.63 0.31 0.25	0.63 0.21 0.13	0.63 0.1 0.0	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38	0.38 0.38 0.38
05	0.46 0.0 0.5	0.44 0.13 0.5	0.42 0.25 0.5	0.25 0.26 0.5	0.25 0.45 0.5	0.25 0.63 0.5	0.25 0.75 0.46	0.25 0.88 0.41	0.25 1.0 0.37	0.5 0.9 1.0	0.5 0.8 0.88	0.5 0.7 0.75	0.5 0.6 0.63	0.5 0.5 0.5	0.5 0.4 0.38	0.5 0.29 0.25	0.5 0.19 0.13	0.5 0.08 0.0	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5	0.5 0.5 0.5
06	0.54 0.0 0.63	0.52 0.13 0.63	0.51 0.25 0.63	0.32 0.25 0.63	0.25 0.36 0.63	0.25 0.55 0.63	0.25 0.75 0.65	0.25 0.88 0.61	0.25 1.0 0.56	0.38 0.88 1.0	0.38 0.78 0.88	0.38 0.68 0.75	0.38 0.58 0.63	0.38 0.48 0.5	0.38 0.38 0.38	0.38 0.27 0.25	0.38 0.17 0.13	0.38 0.06 0.0	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63	0.63 0.63 0.63
07	0.63 0.0 0.75	0.61 0.13 0.75	0.59 0.25 0.75	0.41 0.25 0.75	0.25 0.27 0.75	0.25 0.46 0.75	0.25 0.65 0.75	0.25 0.88 0.8	0.25 1.0 0.76	0.25 0.85 1.0	0.25 0.75 0.88	0.25 0.65 0.75	0.25 0.55 0.63	0.25 0.45 0.5	0.25 0.35 0.38	0.25 0.25 0.25	0.25 0.15 0.13	0.25 0.04 0.0	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75	0.75 0.75 0.75
08	0.71 0.0 0.88	0.69 0.13 0.88	0.68 0.25 0.88	0.49 0.25 0.88	0.31 0.25 0.88	0.25 0.38 0.88	0.25 0.56 0.88	0.25 0.75 0.88	0.25 1.0 0.95	0.13 0.83 1.0	0.13 0.73 0.88	0.13 0.63 0.75	0.13 0.53 0.63	0.13 0.43 0.5	0.13 0.33 0.38	0.13 0.23 0.25	0.13 0.13 0.13	0.13 0.02 0.0	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88	0.88 0.88 0.88
09	0.8 0.0 1.0	0.78 0.13 1.0	0.76 0.25 1.0	0.58 0.25 1.0	0.4 0.25 1.0	0.25 0.29 1.0	0.25 0.48 1.0	0.25 0.66 1.0	0.25 0.85 1.0	0.0 0.8 1.0	0.0 0.7 0.88	0.0 0.6 0.75	0.0 0.5 0.63	0.0 0.4 0.5	0.0 0.3 0.38	0.0 0.2 0.25	0.0 0.1 0.13	0.0 0.0 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
10	0.63 0.1 0.0	0.63 0.21 0.0	0.63 0.31 0.0	0.63 0.42 0.0	0.63 0.52 0.0	0.62 0.63 0.0	0.66 0.75 0.0	0.69 0.88 0.0	0.73 1.0 0.0	1.0 1.0 1.0	1.0 1.0 0.88	1.0 1.0 0.75	1.0 1.0 0.63	1.0 1.0 0.5	1.0 1.0 0.38	1.0 1.0 0.25	1.0 1.0 0.13	0.99 1.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0
11	0.63 0.0 0.01	0.63 0.21 0.13	0.63 0.31 0.13	0.63 0.42 0.13	0.63 0.52 0.13	0.62 0.63 0.13	0.66 0.75 0.13	0.69 0.88 0.13	0.73 1.0 0.13	0.96 0.88 1.0	0.88 0.88 0.88	0.87 0.88 0.75	0.87 0.88 0.63	0.87 0.88 0.5	0.87 0.88 0.38	0.87 0.88 0.25	0.87 0.88 0.13	0.87 0.88 0.0	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07	0.07 0.07 0.07
12	0.63 0.0 0.14	0.63 0.13 0.16	0.63 0.31 0.25	0.63 0.42 0.25	0.63 0.52 0.25	0.62 0.63 0.25	0.66 0.75 0.25	0.69 0.88 0.25	0.73 1.0 0.25	0.92 0.75 1.0	0.84 0.75 0.88	0.75 0.75 0.75	0.75 0.75 0.63	0.75 0.75 0.5	0.75 0.75 0.38	0.75 0.75 0.25	0.75 0.75 0.13	0.75 0.75 0.0	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13	0.13 0.13 0.13
13	0.63 0.0 0.27	0.63 0.13 0.29	0.63 0.25 0.31	0.63 0.42 0.38	0.63 0.52 0.38	0.62 0.63 0.38	0.66 0.75 0.38	0.69 0.88 0.38	0.73 1.0 0.38	0.88 0.63 1.0	0.8 0.63 0.88	0.71 0.63 0.75	0.63 0.63 0.63	0.62 0.63 0.5	0.62 0.63 0.38	0.62 0.63 0.25	0.62 0.63 0.13	0.62 0.63 0.0	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2	0.2 0.2 0.2
14	0.63 0.0 0.4	0.63 0.13 0.42	0.63 0.25 0.44	0.63 0.38 0.46	0.63 0.52 0.5	0.62 0.63 0.5	0.66 0.75 0.5	0.7 0.88 0.5	0.73 1.0 0.5	0.84 0.5 1.0	0.76 0.5 0.88	0.67 0.5 0.75	0.59 0.5 0.63	0.5 0.5 0.5	0.5 0.5 0.38	0.5 0.5 0.25	0.5 0.5 0.13	0.5 0.5 0.0	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27	0.27 0.27 0.27
15	0.63 0.0 0.53	0.63 0.13 0.55	0.63 0.25 0.57	0.63 0.38 0.59	0.63 0.5 0.61	0.63 0.63 0.63	0.66 0.75 0.63	0.7 0.88 0.63	0.73 1.0 0.63	0.8 0.38 1.0	0.72 0.38 0.88	0.63 0.38 0.75	0.55 0.38 0.63	0.46 0.38 0.5	0.38 0.38 0.38	0.37 0.38 0.25	0.37 0.38 0.13	0.37 0.38 0.0	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33	0.33 0.33 0.33
16	0.75 0.0 0.7	0.75 0.13 0.72	0.75 0.25 0.74	0.75 0.38 0.75	0.73 0.5 0.75	0.71 0.63 0.75	0.63 0.73 0.75	0.63 0.88 0.73	0.63 1.0 0.68	0.76 0.25 1.0	0.68 0.25 0.88	0.59 0.25 0.75	0.51 0.25 0.63	0.42 0.25 0.5	0.34 0.25 0.38	0.25 0.25 0.25	0.25 0.25 0.13	0.25 0.25 0.0	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4	0.4 0.4 0.4
17	0.88 0.0 0.86	0.87 0.13 0.88	0.85 0.25 0.88	0.83 0.38 0.88	0.81 0.5 0.88	0.8 0.63 0.88	0.63 0.64 0.88	0.63 0.83 0.88	0.63 1.0 0.88	0.72 0.13 1.0	0.64 0.13 0.88	0.55 0.13 0.75	0.47 0.13 0.63	0.38 0.13 0.5	0.3 0.13 0.38	0.21 0.13 0.25	0.13 0.13 0.13	0.12 0.13 0.0	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47	0.47 0.47 0.47
18	0.97 0.0 1.0	0.95 0.13 1.0	0.93 0.25 1.0	0.92 0.38 1.0	0.9 0.5 1.0	0.88 0.63 1.0	0.7 0.63 1.0	0.63 0.74 1.0	0.63 0.93 1.0	0.68 0.0 1.0	0.6 0.0 0.88	0.51 0.0 0.75	0.43 0.0 0.63	0.34 0.0 0.5	0.26 0.0 0.38	0.17 0.0 0.25	0.09 0.0 0.13	0.0 0.0 0.0	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53	0.53 0.53 0.53
19	1.0 0.16 0.0	1.0 0.27 0.0	1.0 0.37 0.0	1.0 0.48 0.0	1.0 0.58 0.0	1.0 0.69 0.0	1.0 0.79 0.0	1.0 0.9 0.0	0.99 1.0 0.0	1.0 1.0 1.0	0.91 1.0 0.88	0.82 1.0 0.75	0.73 1.0 0.63	0.64 1.0 0.5	0.55 1.0 0.38	0.46 1.0 0.25	0.37 1.0 0.13	0.28 1.0 0.0	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6	0.6 0.6 0.6
20	1.0 0.05 0.0	1.0 0.27 0.13	1.0 0.37 0.13	1.0 0.48 0.13	1.0 0.58 0.13	1.0 0.69 0.13	1.0 0.79 0.13	1.0 0.9 0.13	1.0 1.0 0.13	1.0 0.88 0.98	0.88 0.88 0.88	0.79 0.88 0.75	0.7 0.88 0.63	0.61 0.88 0.5	0.52 0.88 0.38	0.43 0.88 0.25	0.34 0.88 0.13	0.25 0.88 0.0	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67	0.67 0.67 0.67
21	1.0 0.0 0.07	1.0 0.16 0.13	1.0 0.37 0.25	1.0 0.48 0.25	1.0 0.58 0.25	1.0 0.69 0.25	1.0 0.79 0.25	1.0 0.9 0.25	1.0 1.0 0.25	1.0 0.75 0.96	0.88 0.75 0.86	0.75 0.75 0.75	0.66 0.75 0.63	0.57 0.75 0.5	0.48 0.75 0.38	0.39 0.75 0.25	0.3 0.75 0.13	0.21 0.75 0.0	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73	0.73 0.73 0.73
22	1.0 0.0 0.2	1.0 0.13 0.22	1.0 0.26 0.25	1.0 0.48 0.38	1.0 0.58 0.38	1.0 0.69 0.38	1.0 0.79 0.38	1.0 0.9 0.38	1.0 1.0 0.38	1.0 0.63 0.95	0.88 0.63 0.84	0.75 0.63 0.73	0.63 0.63 0.63	0.54 0.63 0.5	0.45 0.63 0.38	0.36 0.63 0.25	0.27 0.63 0.13	0.18 0.63 0.0	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8	0.8 0.8 0.8
23	1.0 0.0 0.33	1.0 0.13 0.35	1.0 0.25 0.37	1.0 0.38 0.39	1.0 0.58 0.5	1.0 0.69 0.5	1.0 0.79 0.5	1.0 0.9 0.5	1.0 1.0 0.5	1.0 0.5 0.93	0.88 0.5 0.82	0.75 0.5 0.71	0.63 0.5 0.61	0.5 0.5 0.5	0.41 0.5 0.38	0.32 0.5 0.25	0.23 0.5 0.13	0.14 0.5 0.0	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87	0.87 0.87 0.87
24	1.0 0.0 0.46	1.0 0.13 0.48	1.0 0.25 0.5	1.0 0.38 0.52	1.0 0.5 0.54	1.0 0.69 0.63	1.0 0.79 0.63	1.0 0.9 0.63	1.0 1.0 0.63	1.0 0.38 0.91	0.88 0.38 0.8	0.75 0.38 0.7	0.63 0.38 0.59	0.5 0.38 0.48	0.38 0.38 0.38	0.29 0.38 0.25	0.2 0.38 0.13	0.11 0.38 0.0	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93	0.93 0.93 0.93
25	1.0 0.0 0.59	1.0 0.13 0.61	1.0 0.25 0.63	1.0 0.38 0.65	1.0 0.5 0.67	1.0 0.63 0.68	1.0 0.79 0.75	1.0 0.9 0.75	1.0 1.0 0.75	1.0 0.25 0.89	0.88 0.25 0.78	0.75 0.25 0.68	0.63 0.25 0.57	0.5 0.25 0.46	0.38 0.25 0.36	0.25 0.25 0.25	0.16 0.25 0.13	0.07 0.25 0.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0	1.0 1.0 1.0
26	1.0 0.0 0.72	1.0 0.13 0.74	1.0 0.25 0.76	1.0 0.38 0.78	1.0 0.5 0.8	1.0 0.63 0.81	1.0 0.75 0.83	1.0 0.9 0.88	1.0 1.0 0.88	1.0 0.13 0.87	0.88 0.13 0.77	0.75 0.13 0.66	0.63 0.13 0.55	0.5 0.13 0.45	0.38 0.13 0.34	0.25 0.13 0.23	0.13 0.13 0.13	0.04 0.13 0.0	0.0 0.0 0.0	1.0 0.16 0.0	0.99 1.0 0.0	0.28 1.0 0.0
27	1.0 0.0 0.85	1.0 0.13 0.87	1.0 0.25 0.89	1.0 0.38 0.91	1.0 0.5 0.93	1.0 0.63 0.95	1.0 0.75 0.96	1.0 0.88 0.98	1.0 1.0 1.0	1.0 0.0 0.85	0.88 0.0 0.75	0.75 0.0 0.64	0.63 0.0 0.53	0.5 0.0 0.43	0.38 0.0 0.32	0.25 0.0 0.21	0.13 0.0 0.11	0.0 0.0 0.0	1.0 1.0 1.0	0.0 0.8 1.0	0.68 0.0 1.0	1.0 0.0 0.85

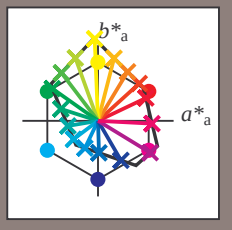
See for similar files: http://www.ps.bam.de/Ee32/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee32/10L/L32E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

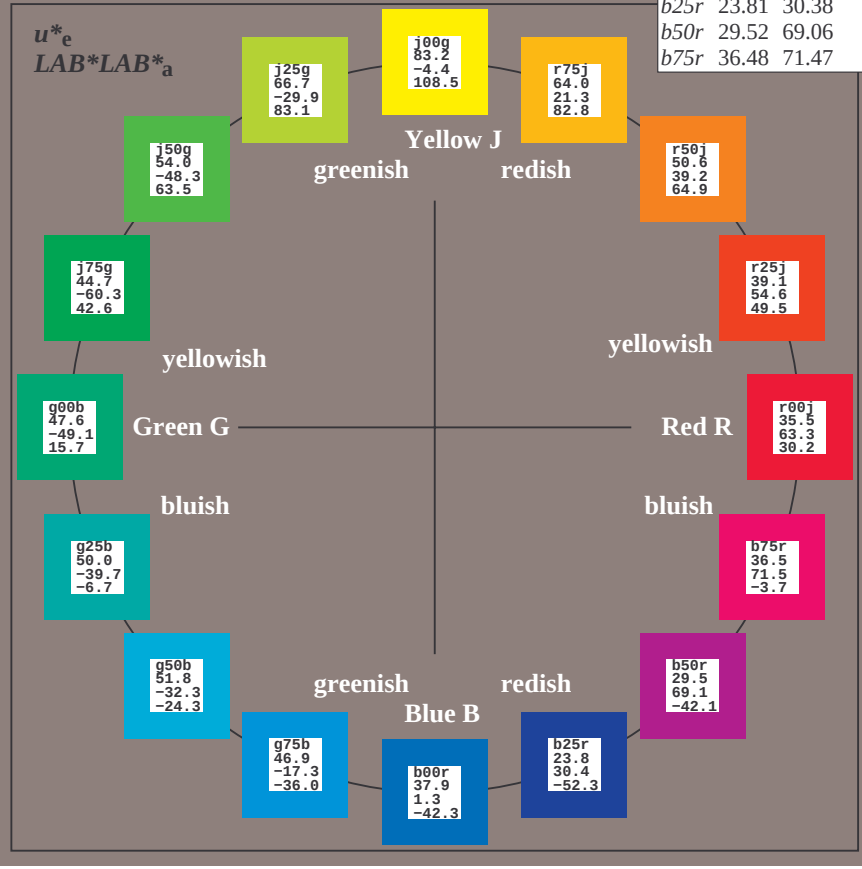
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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*

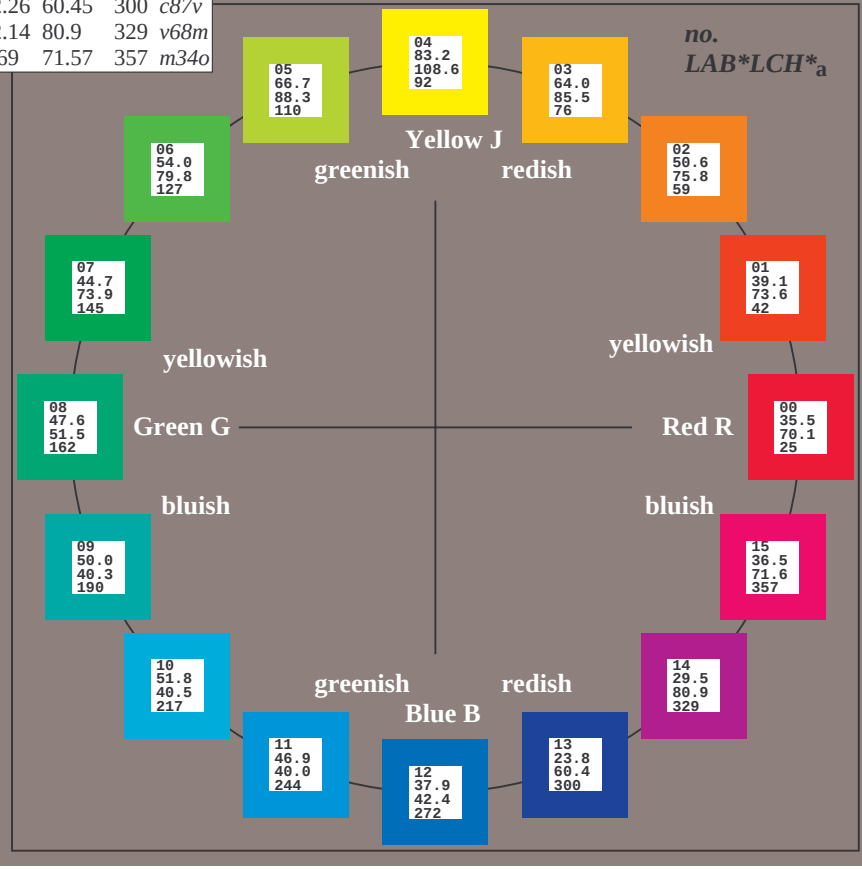


%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

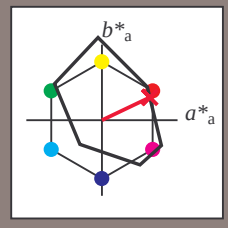
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	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





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; 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_{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

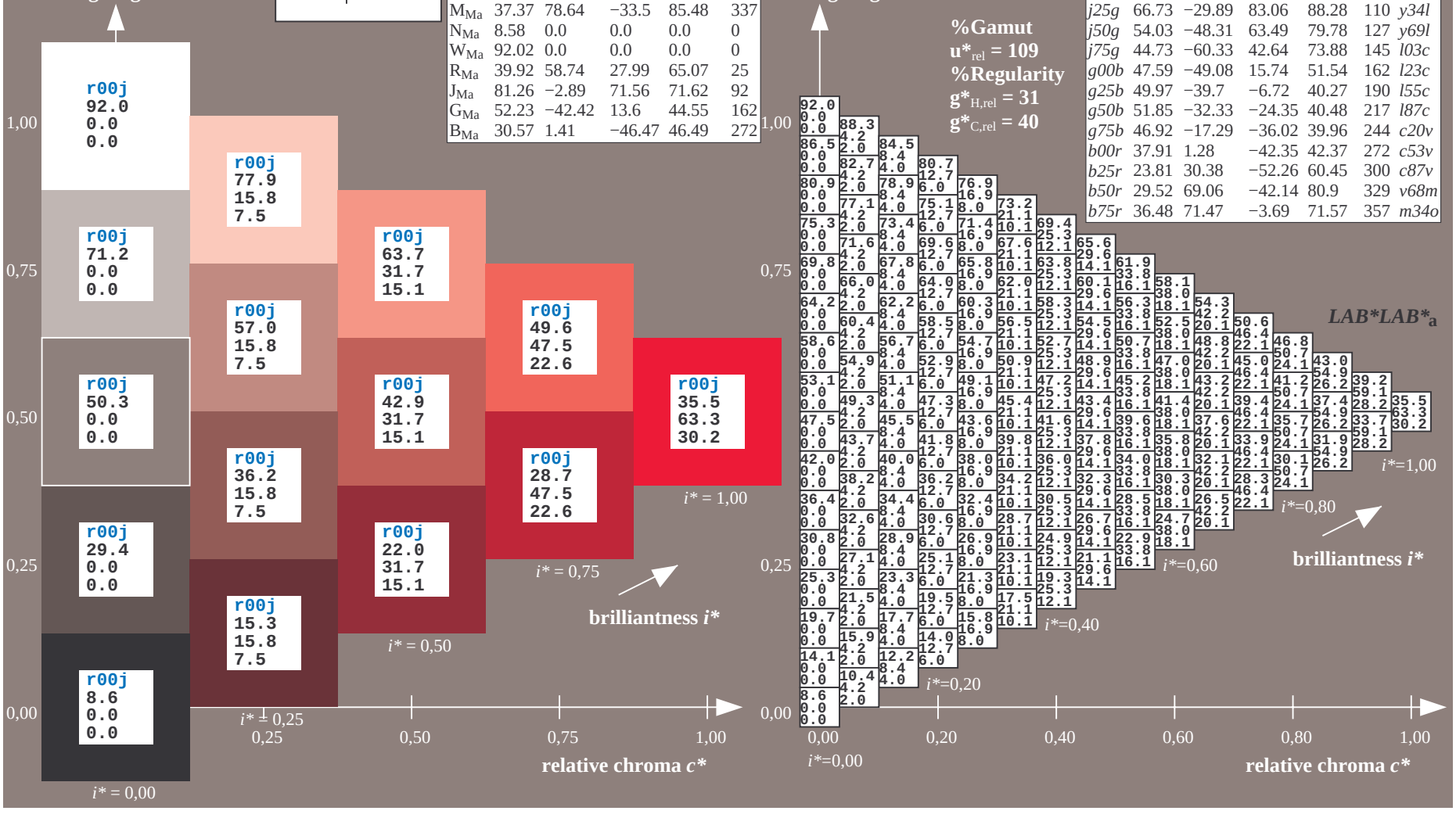
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 35 63 30
$LAB^*LCH^*_{Ma}$: 35 70 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.18
triangle lightness *t**

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

u^*_e = *r00j*
$LAB^*LAB^*_a$

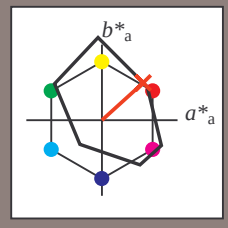
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

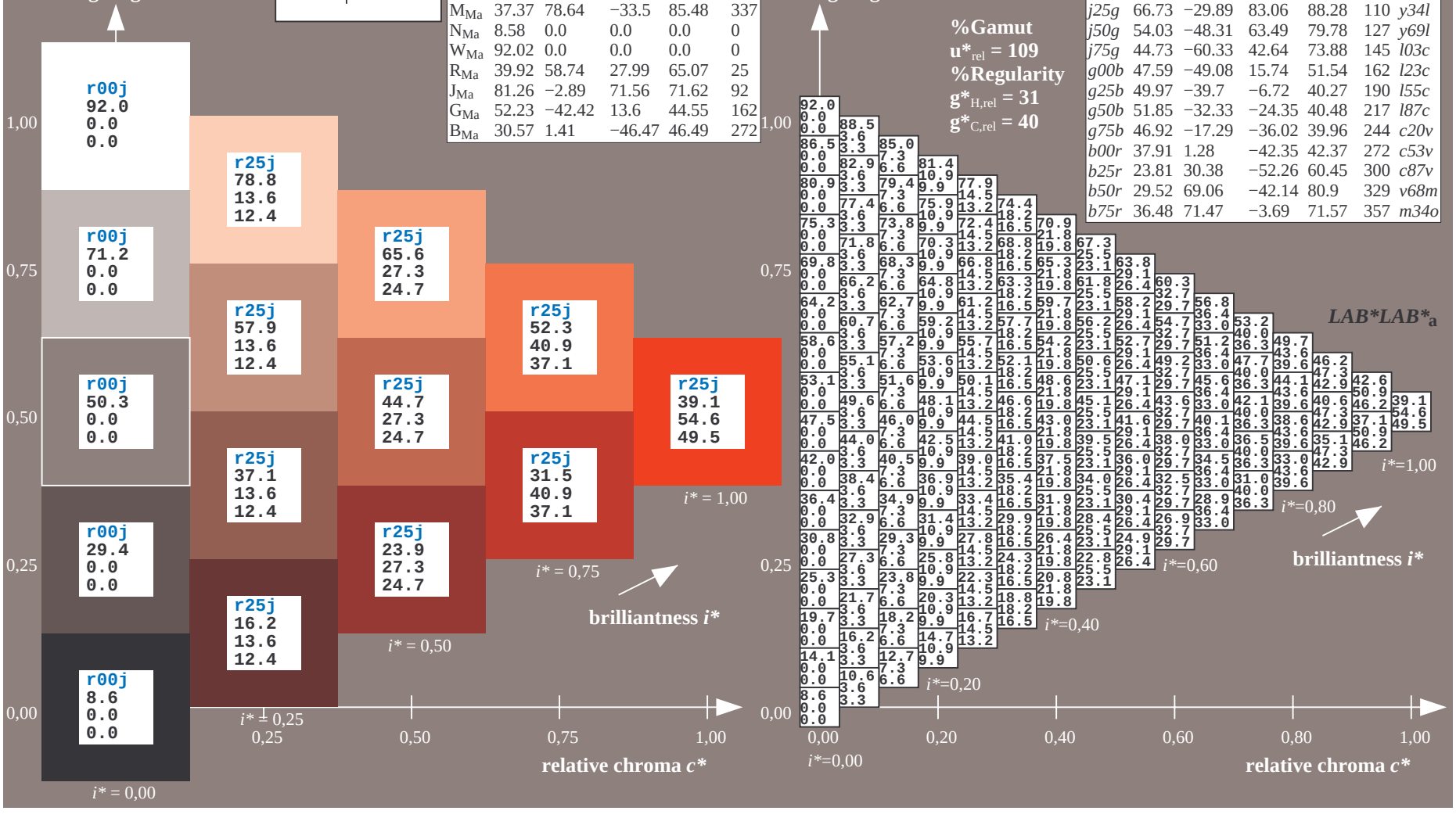
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

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

u^*_e = *r25j*
LAB*LAB*$^*_a$

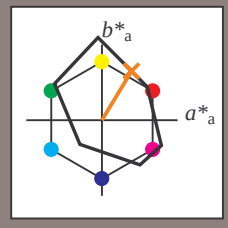
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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	

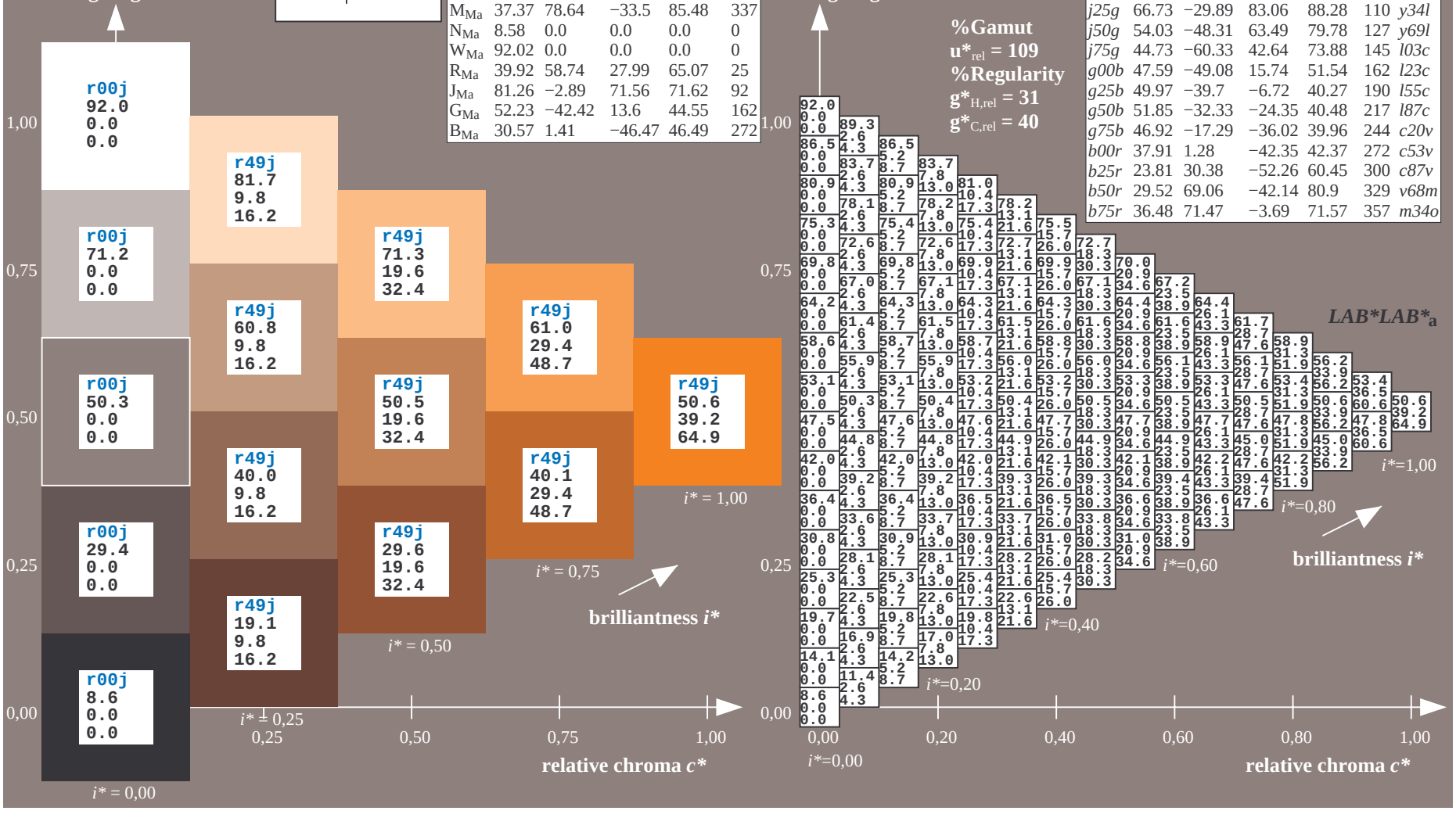
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

u*e = r50j
LAB*LAB*a

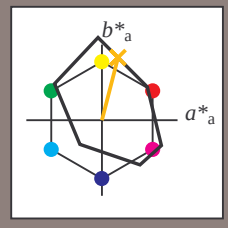
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; 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_{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	

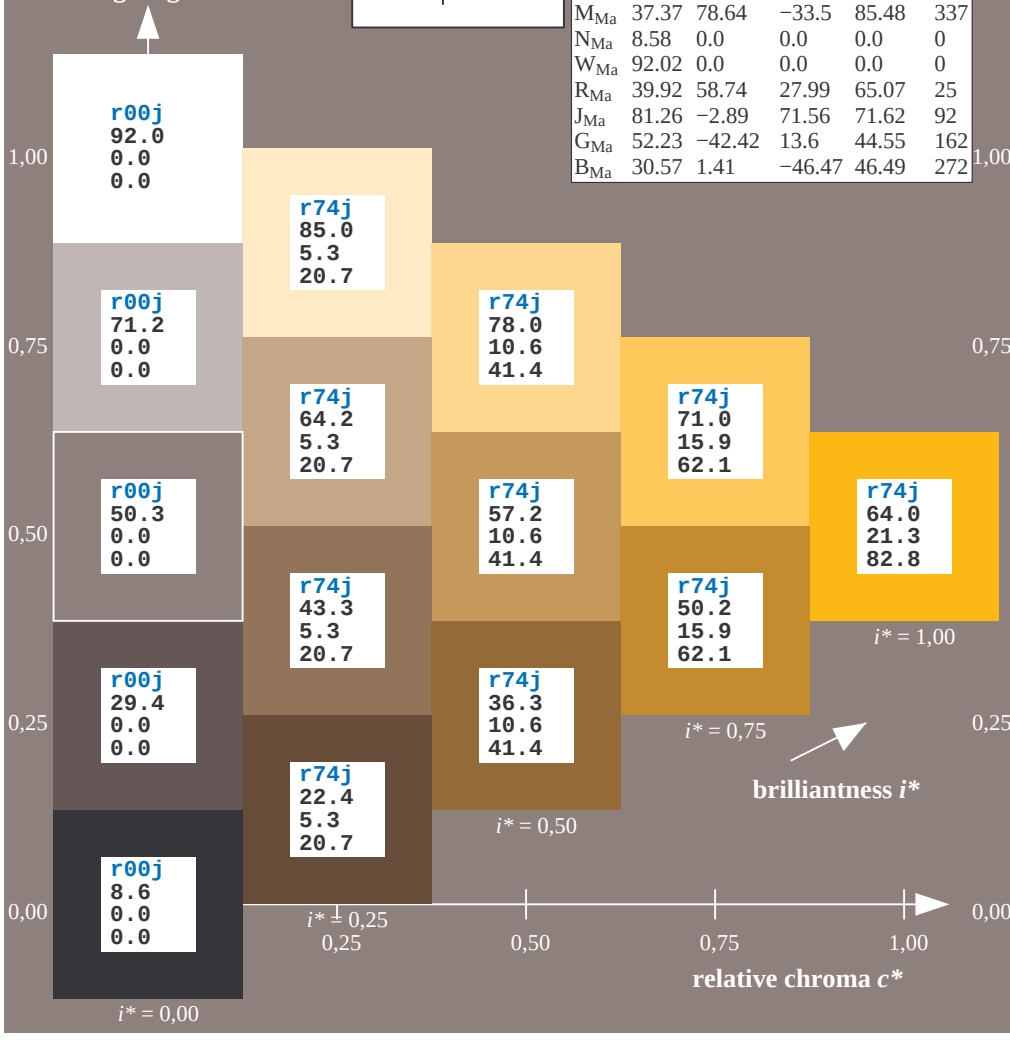
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

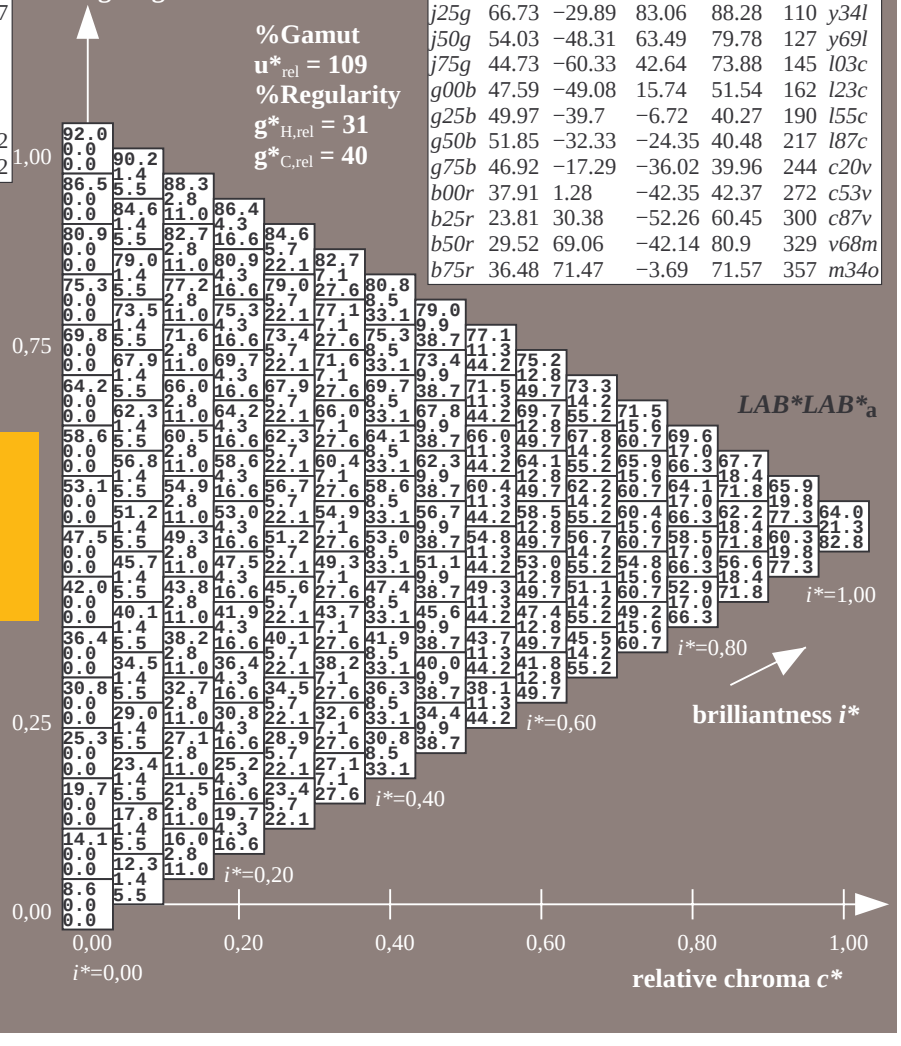
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

$u^*_e = r75j$
LAB*LAB*$^*_a$**

FRS09_92aM; adapted (a) CIELAB data

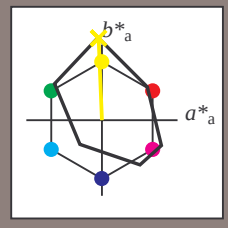
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

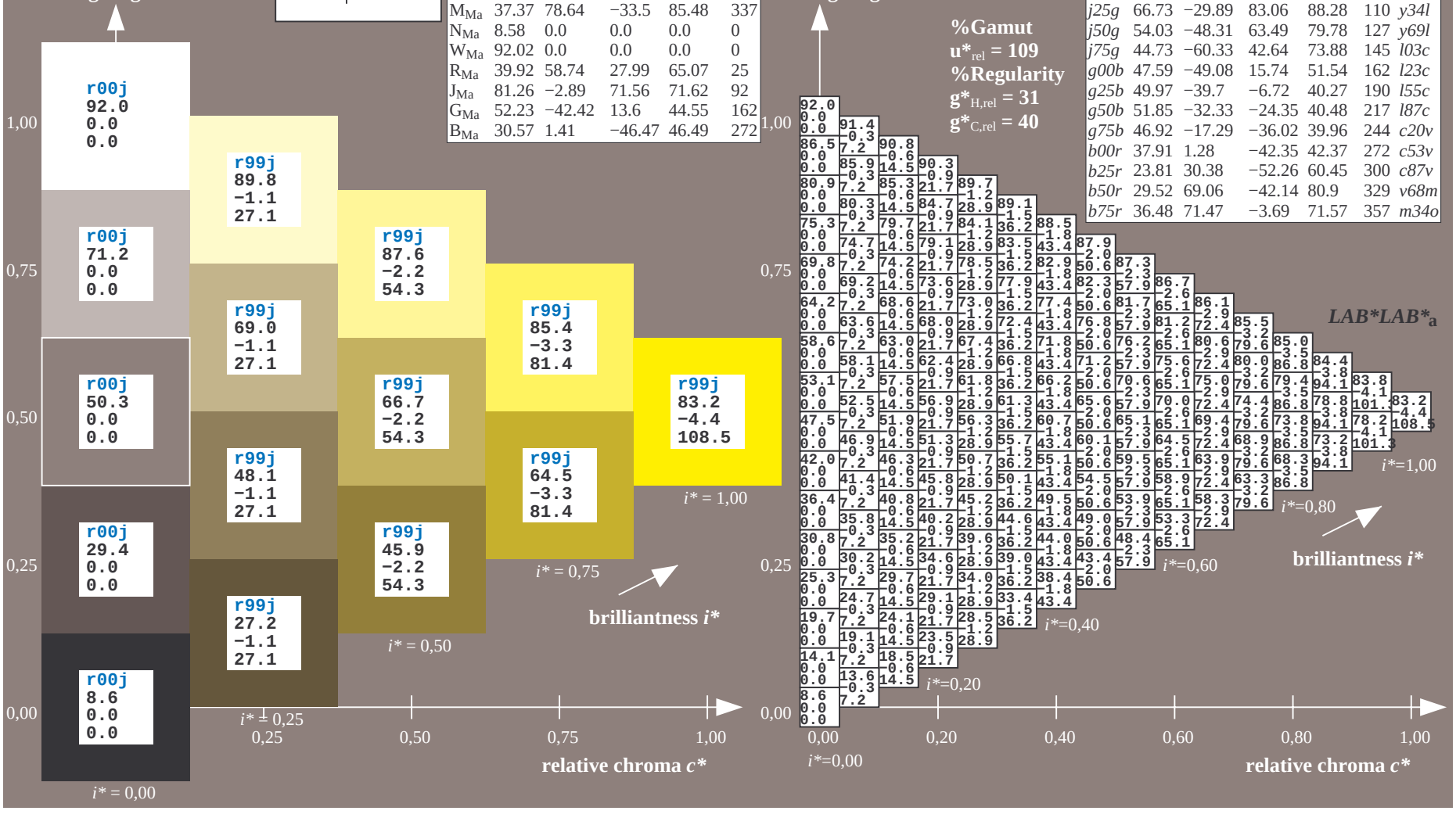
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
LAB*LAB*$_a$

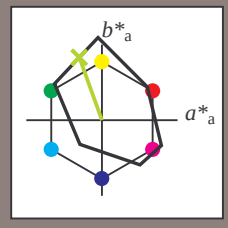
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

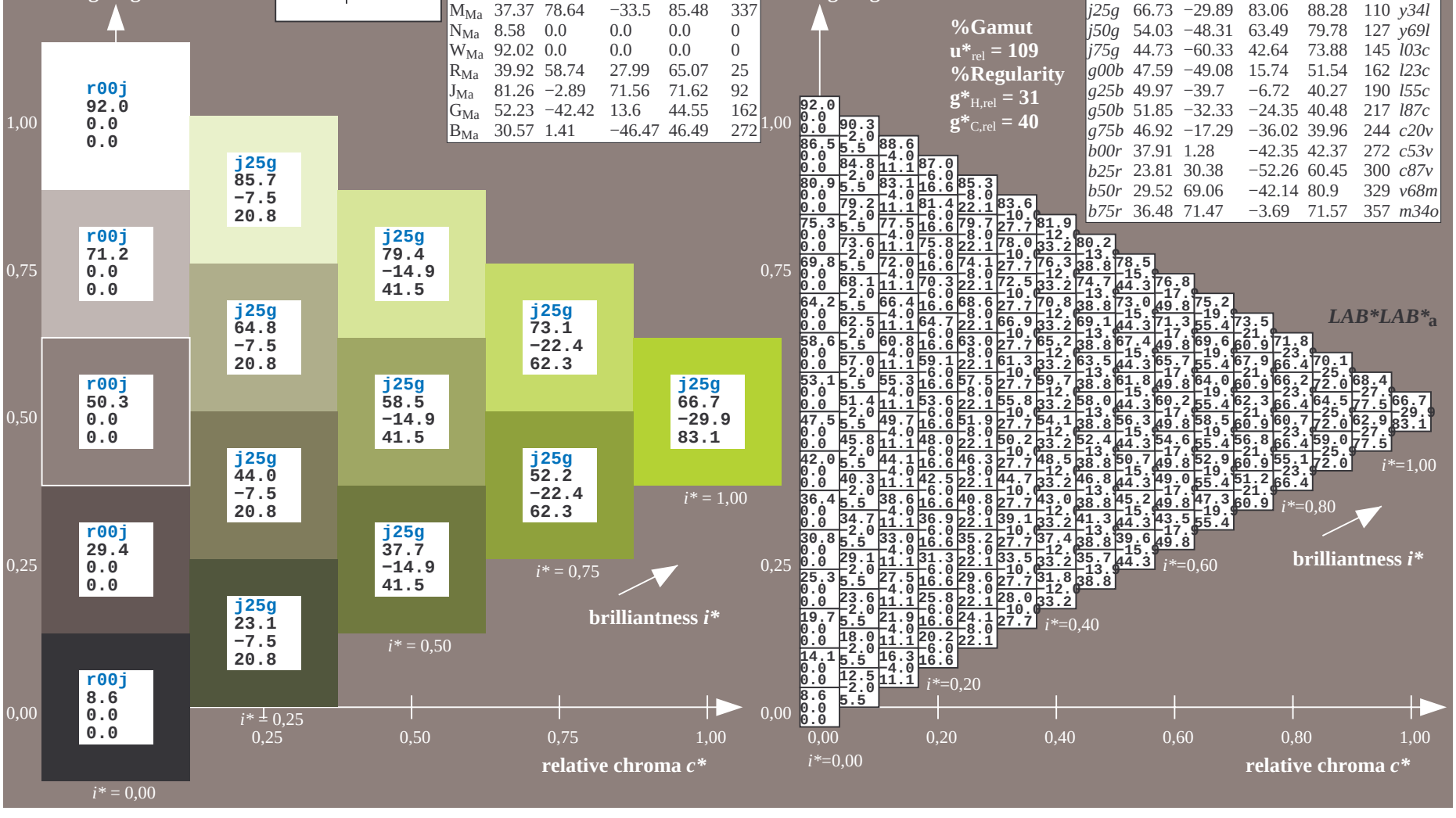
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j25g*
LAB*LAB*$_a$**

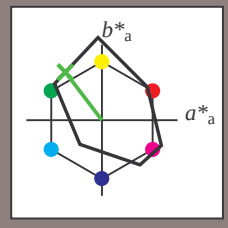
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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	

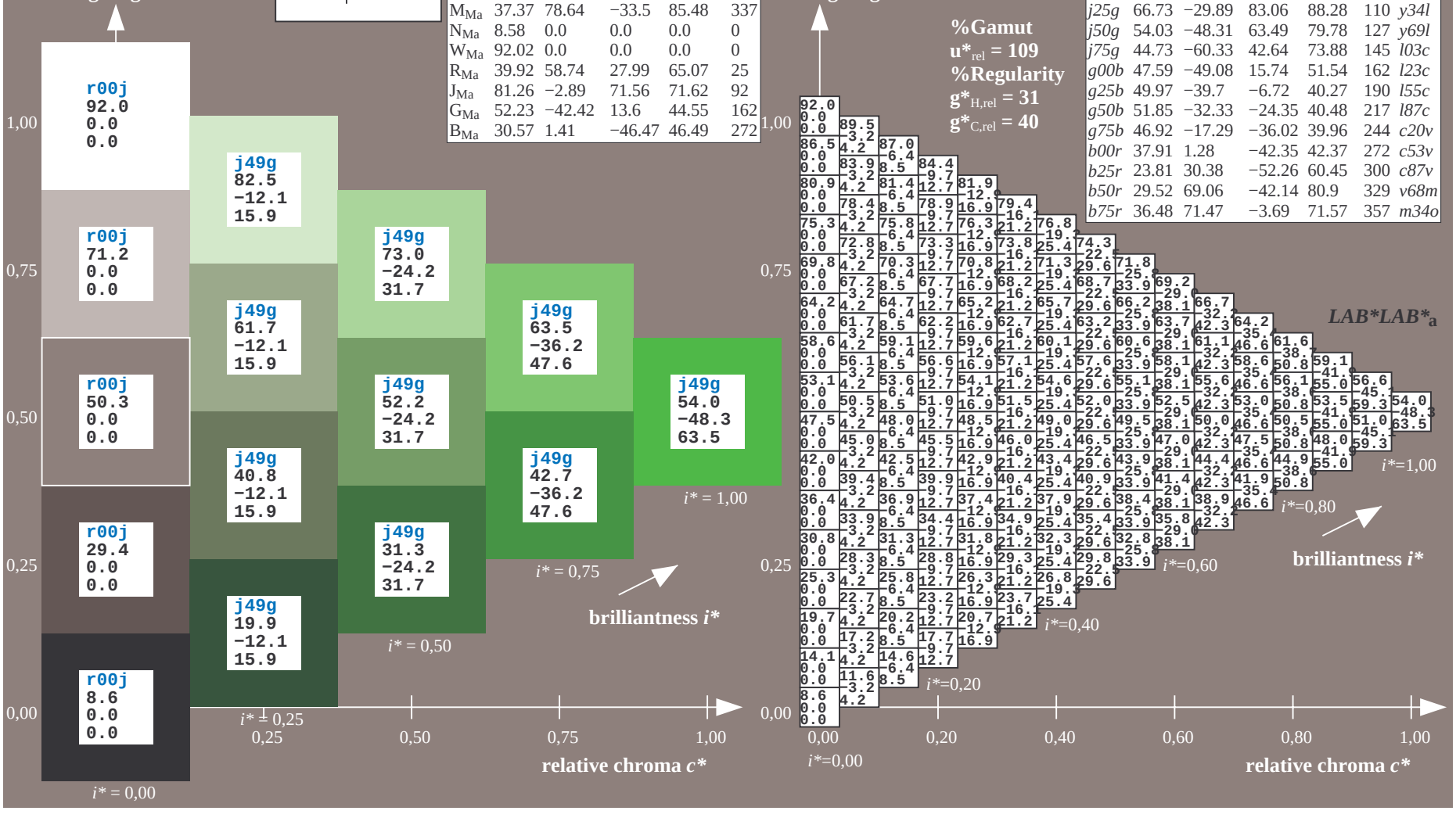
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u^*_e = j50g
LAB*LAB*$^*_a$**

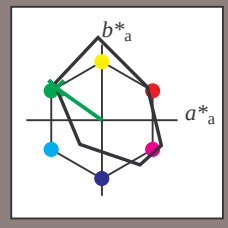
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; 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_{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

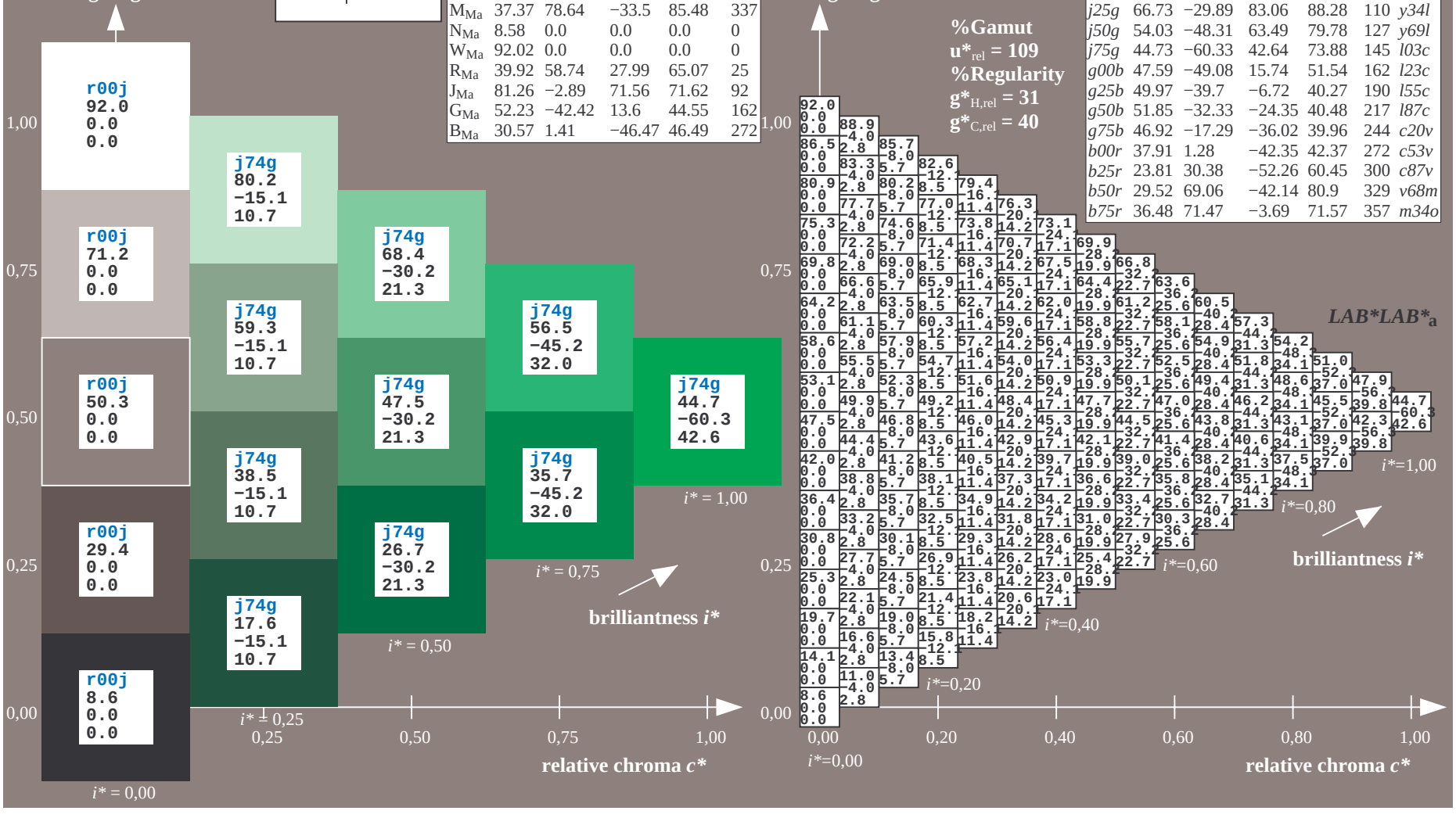
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 45 −60 43
$LAB^*LCH^*_{Ma}$: 45 74 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

u^*_e = *j75g*
$LAB^*LAB^*_a$

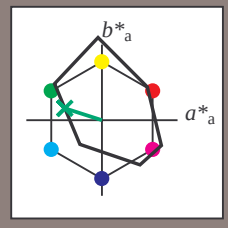
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; 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_{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	

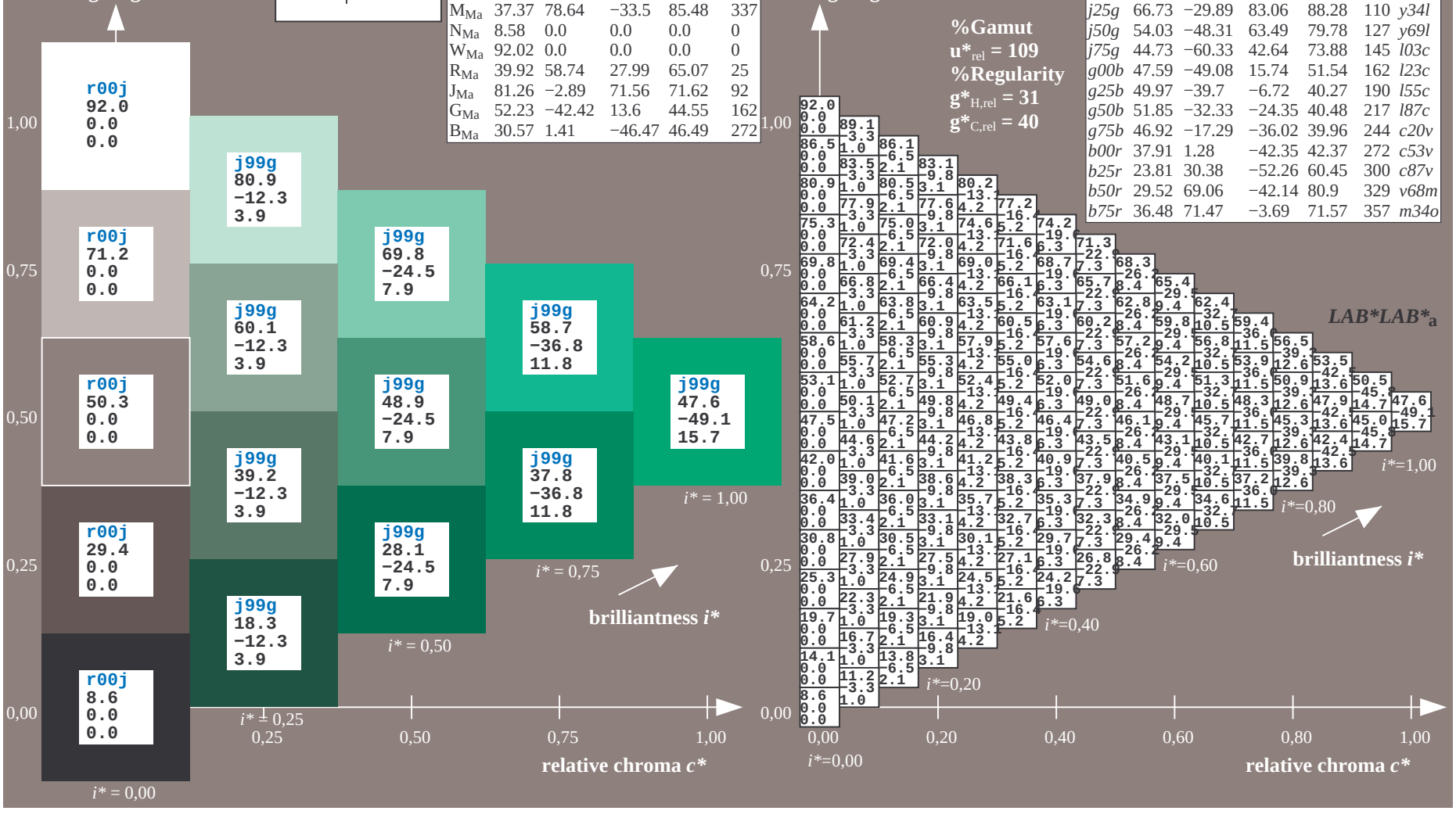
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 48 −49 16
LAB*LCH*$_{Ma}$: 48 52 162
lab*rgb*$_{Ma}$: 0.0 1.0 0.0
lab*olv*$_{Ma}$: 0.0 1.0 0.23
triangle lightness *t**

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

u^*_e = *g00b*
LAB*LAB*$^*_a$

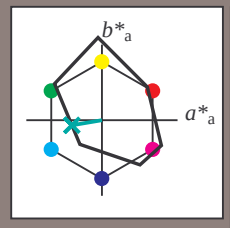
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; 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_{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

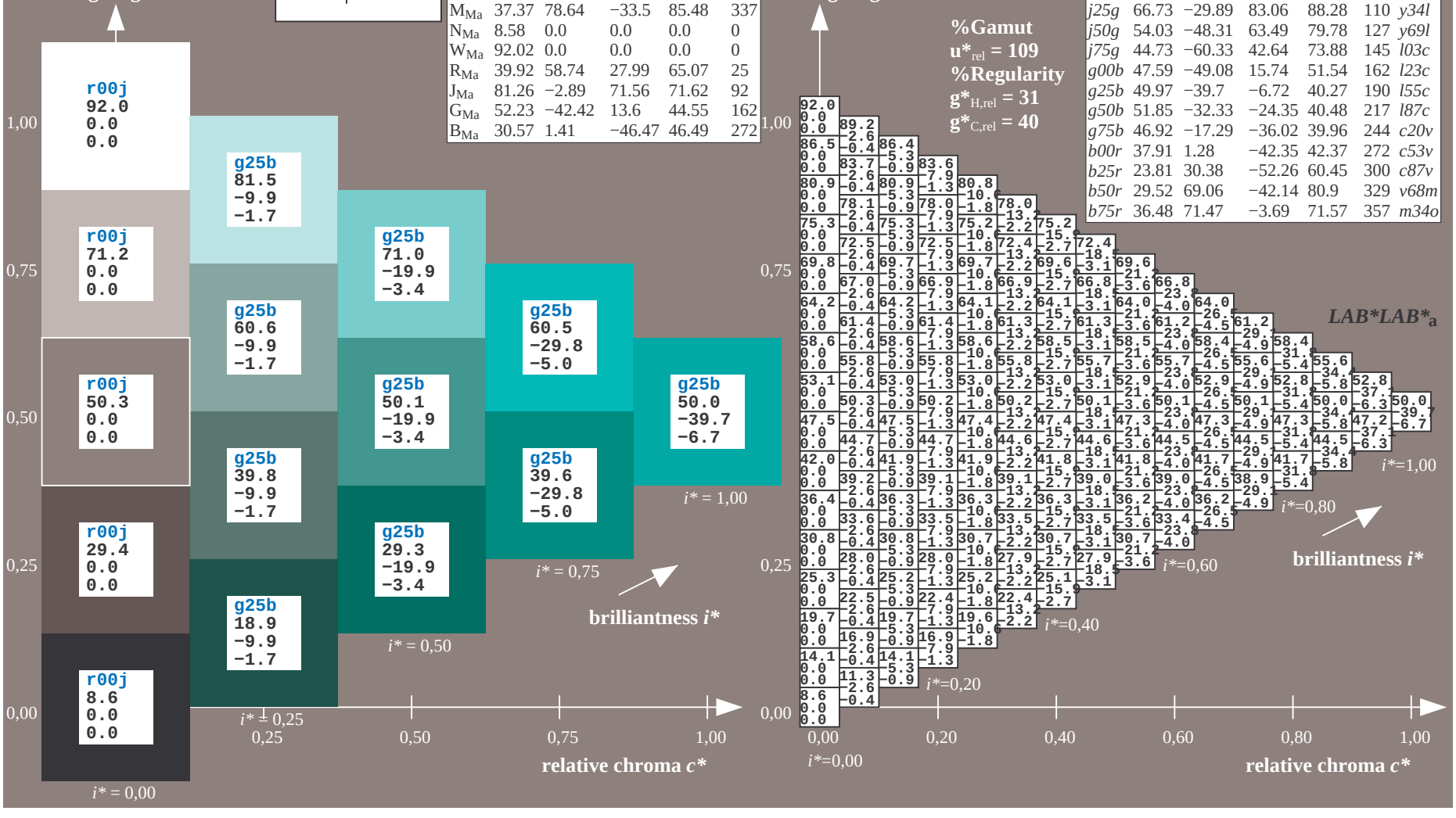
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

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

u^*_e = *g25b*
LAB*LAB*$^*_a$

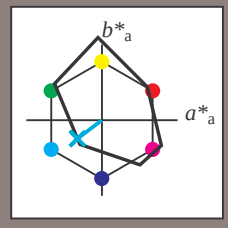
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; adapted (a) CIELAB data

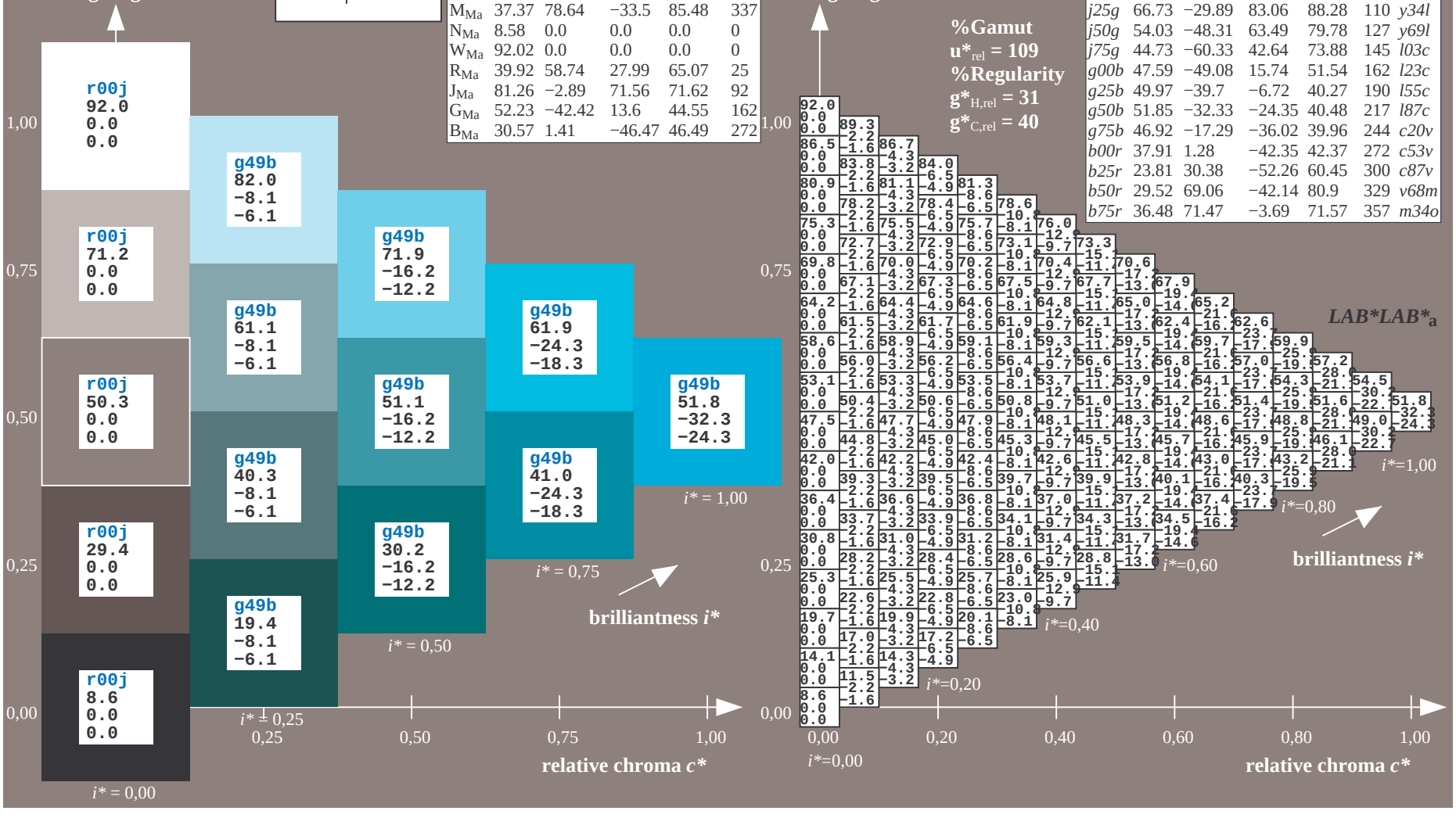
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

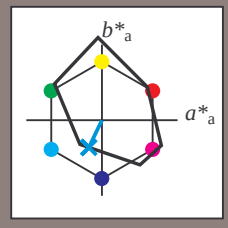
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

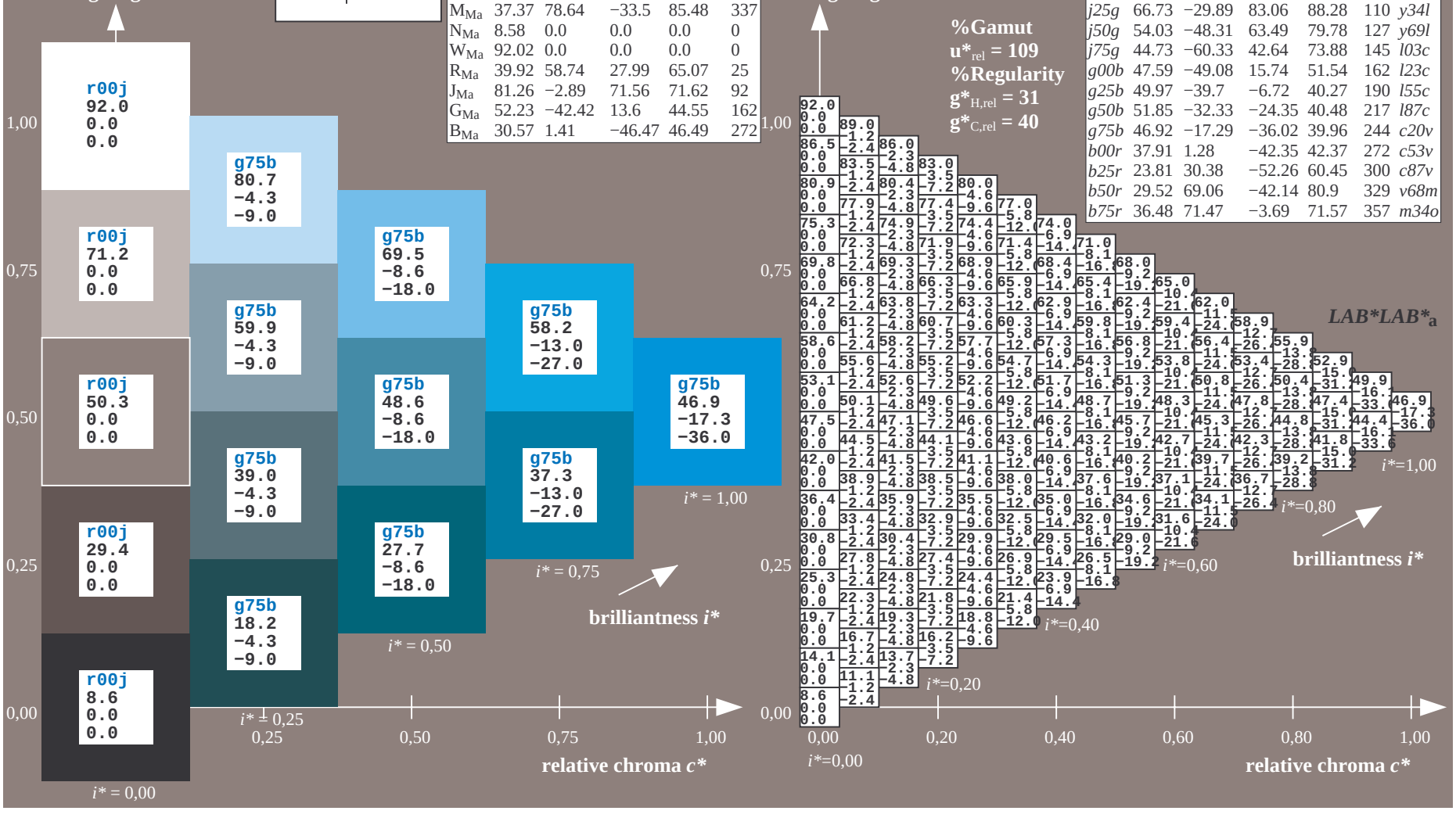
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

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

u^*_e = *g75b*
LAB*LAB*$^*_a$

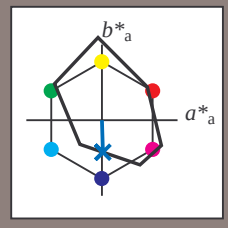
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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**



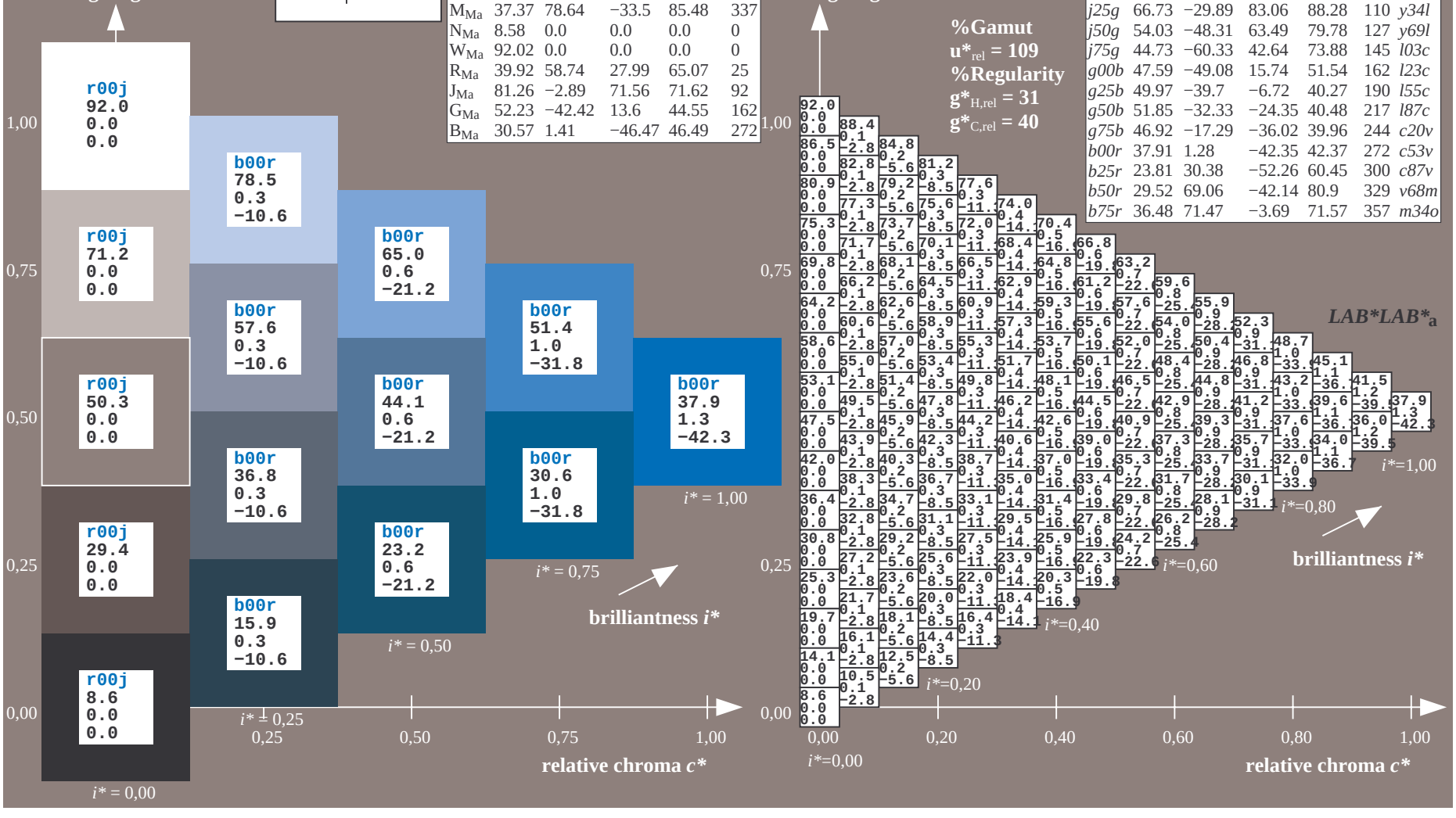
FRS09_92aM; adapted (a) CIELAB data

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_{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

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**

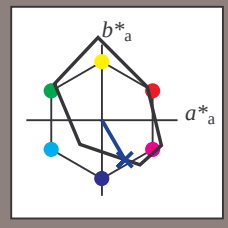
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

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_92aM; adapted (a) CIELAB data

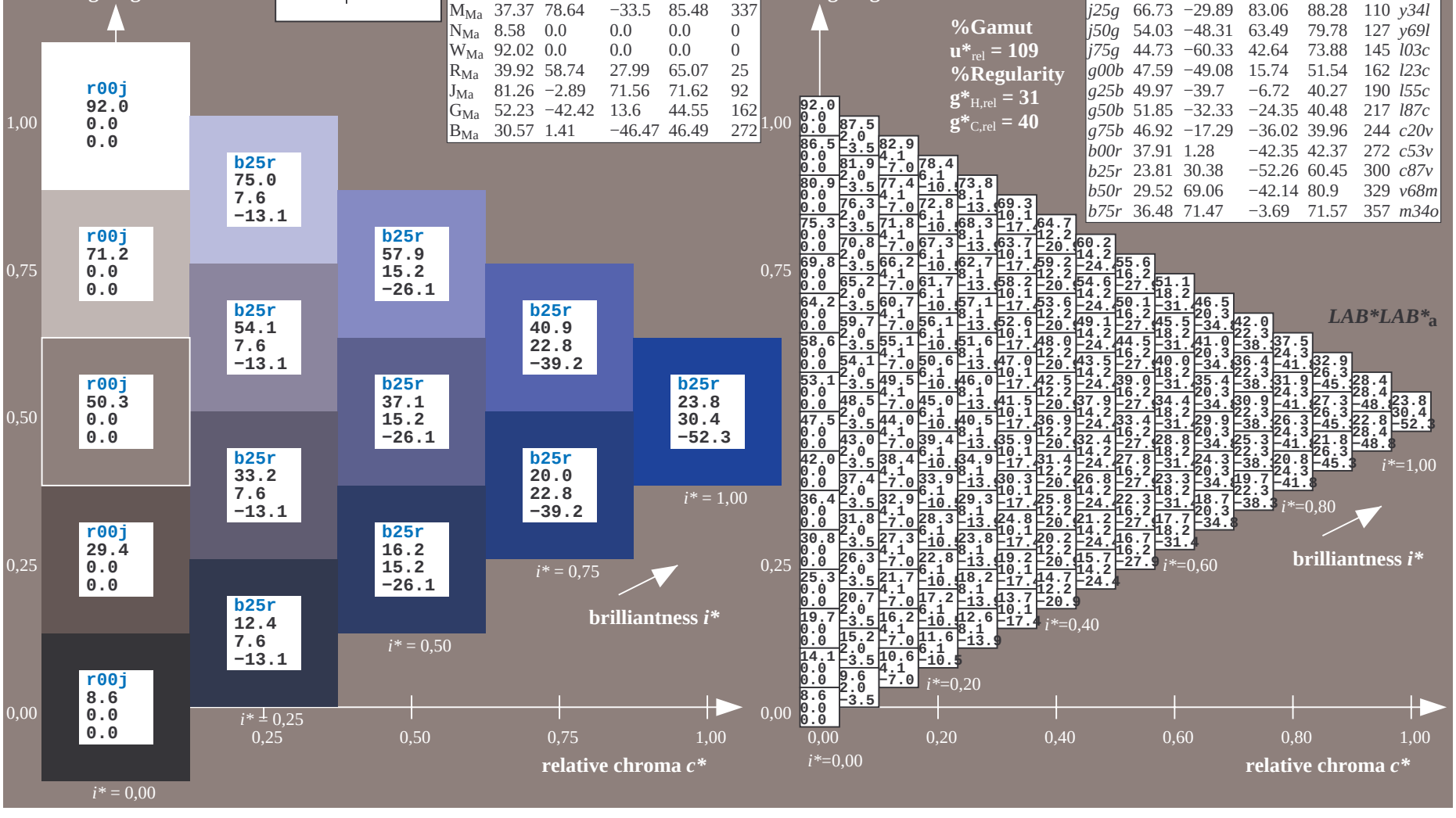
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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_92aM; adapted (a) CIELAB data

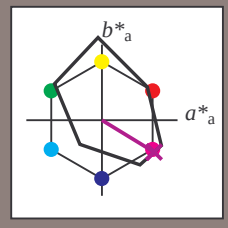
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; 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_{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

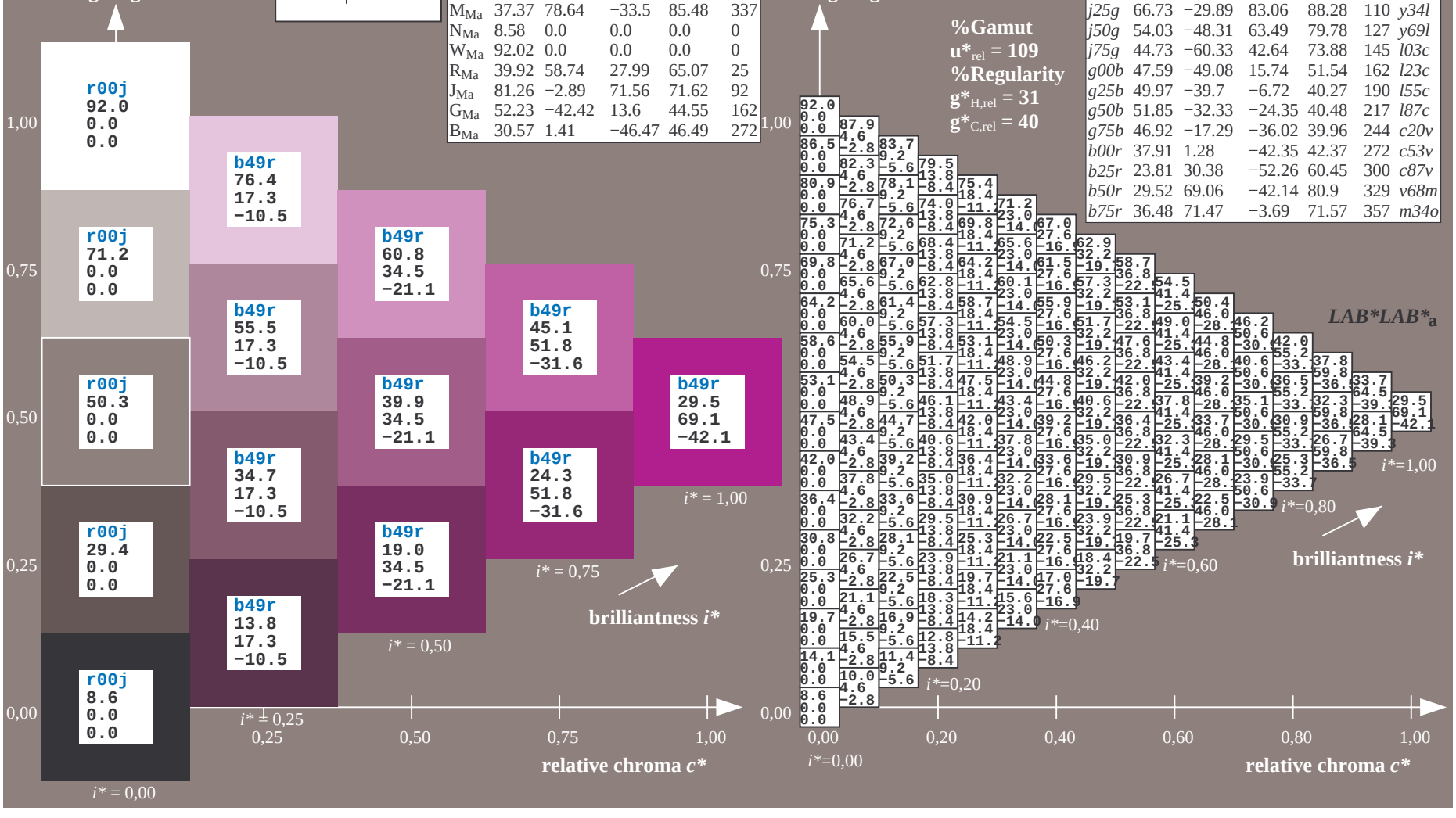
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

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

u^*_e **=** ***b50r***
LAB*LAB*$^*_a$

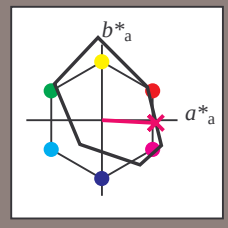
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

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_92aM; 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_{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

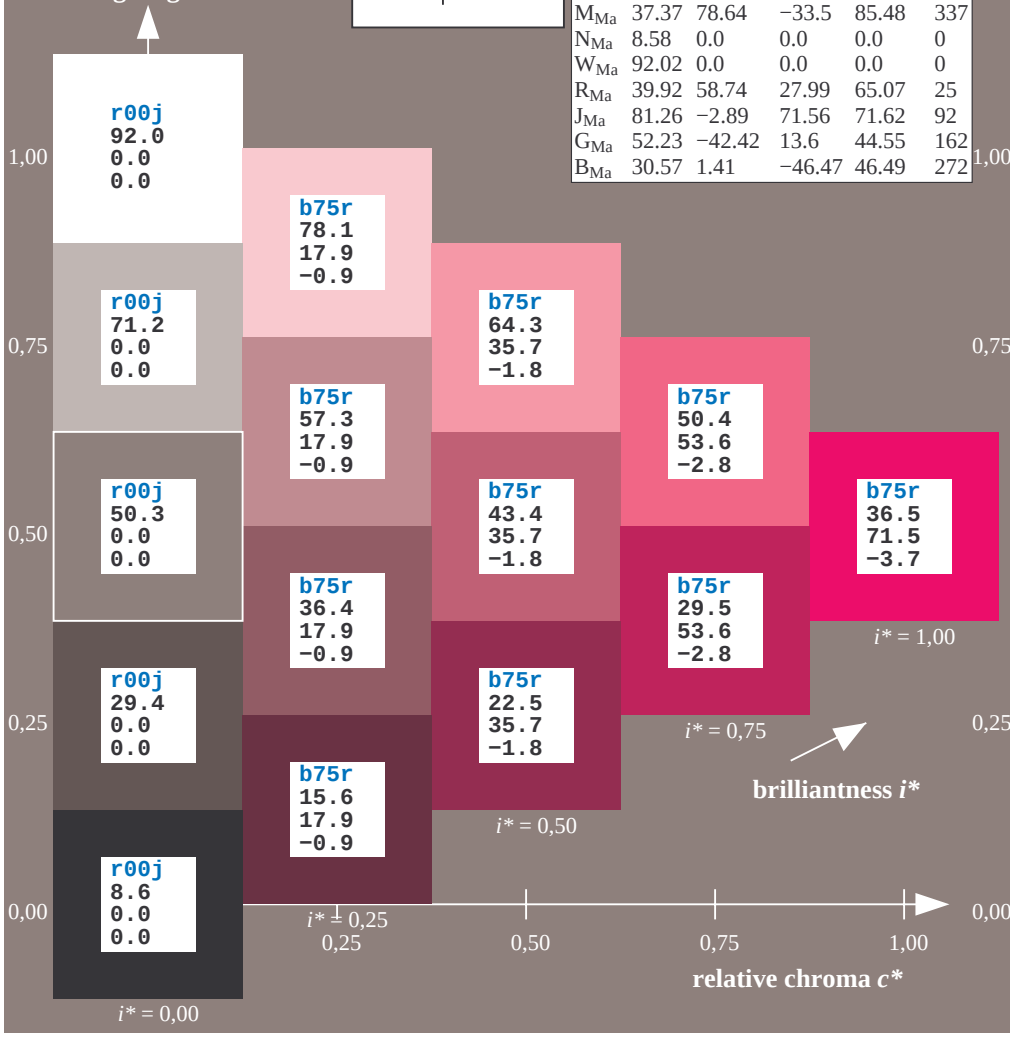
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 36 71 −4
$LAB^*LCH^*_{Ma}$: 36 72 357
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
$lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness *t**

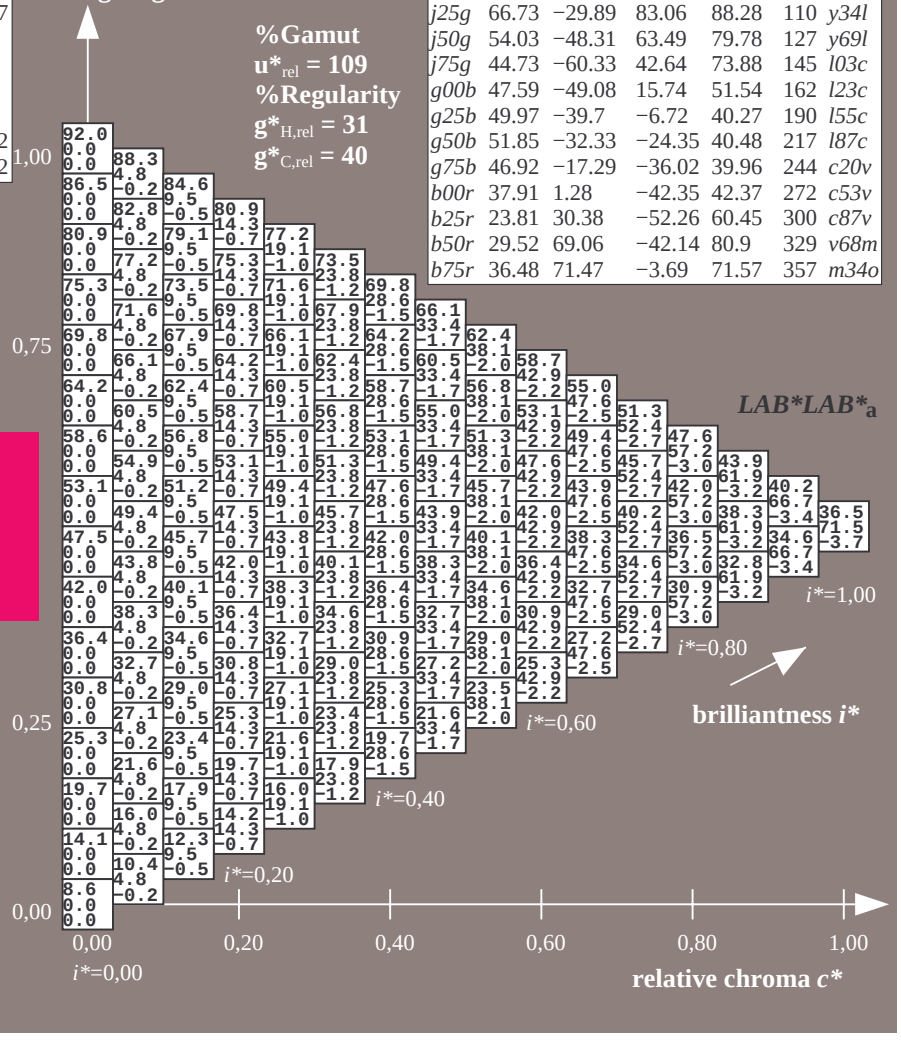
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b75r*
$LAB^*LAB^*_a$

FRS09_92aM; 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*





www.ps.bam.de/Ee32/10L/L32E00NP.PS/ .PDF; FRS09_92; transfer and output
N: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	11.9	18.0	21.6	26.0	30.4	34.8	39.3	43.7	48.2	15.2	20.1	27.4	30.5	34.7	39.0	43.4	47.8	52.2	92.0	84.9	77.8	70.7	63.5	56.4	49.3	42.2	35.1	8.6	8.6	8.6	8.6
	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	-62.7	7.5	-0.6	-9.6	-17.6	-25.5	-33.3	-41.1	-49.0	-56.8	15.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	-43.1	-50.9	0.0	7.5	15.0	22.5	30.0	37.5	45.0	52.5	60.0	0.0	0.0	0.0	0.0
	0.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	48.2	5.5	13.7	18.5	24.4	30.4	36.4	42.4	48.4	54.5	11.0	17.6	27.3	31.4	36.9	42.8	48.7	54.7	60.7	0.0	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	0.0	0.0	0.0	0.0
02	9.3	14.1	18.8	23.5	28.2	32.7	37.3	41.8	46.3	12.2	19.0	23.5	27.9	32.3	36.8	41.2	45.7	50.1	15.5	22.3	28.4	32.1	36.4	40.8	45.3	49.7	54.2	87.1	81.6	74.5	67.4	60.2	53.1	46.0	38.9	31.7	19.0	19.0	19.0	19.0
	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	-38.9	-46.4	-54.0	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	17.2	7.5	-0.6	-9.6	-17.6	-25.5	-33.3	-41.1	-49.0	-3.6	0.0	7.5	15.0	22.5	30.0	37.5	45.0	52.5	0.0	0.0	0.0	0.0
	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	2.0	5.5	13.7	18.5	24.4	30.4	36.4	42.4	48.4	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	33.0	38.5	0.0	0.0	0.0	0.0
03	10.0	16.2	19.6	24.4	29.1	33.8	38.5	43.1	47.8	12.7	19.7	24.5	29.3	34.0	38.6	43.2	47.7	52.3	15.8	22.6	29.4	33.9	38.3	42.8	47.2	51.7	56.1	82.2	76.7	71.2	64.0	56.9	49.8	42.7	35.6	28.4	29.4	29.4	29.4	29.4
	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-41.2	-48.4	15.9	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	-38.9	-46.4	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	37.5	45.0	0.0	0.0	0.0	0.0
	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	9.7	14.1	-11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	33.0	0.0	0.0	0.0	0.0
04	10.7	17.9	21.7	25.1	29.8	34.6	39.4	44.1	48.8	13.4	20.4	26.6	30.0	34.8	39.5	44.3	48.9	53.6	16.3	23.2	30.1	34.9	39.7	44.4	49.0	53.6	58.2	77.3	71.7	66.2	60.7	53.6	46.5	39.4	32.3	25.1	39.9	39.9	39.9	39.9
	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-37.5	-44.3	22.2	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-41.2	25.7	15.9	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	-38.9	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	37.5	0.0	0.0	0.0	0.0
	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	4.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	9.7	-16.0	-11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	0.0	0.0	0.0	0.0
05	11.4	19.4	23.7	27.1	30.6	35.3	40.1	44.9	49.6	14.1	21.1	28.4	32.1	35.5	40.3	45.1	49.8	54.5	16.9	23.8	30.8	37.0	40.5	45.2	50.0	54.7	59.4	72.3	66.8	61.3	55.8	50.3	43.2	36.1	28.9	21.8	50.3	50.3	50.3	50.3
	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-34.4	-41.0	28.5	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-37.5	31.9	22.2	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	0.0	0.0	0.0	0.0
	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-6.8	-3.6	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	-23.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	0.0	0.0	0.0	0.0
06	12.1	20.7	25.6	29.3	32.6	36.1	40.8	45.6	50.4	14.8	21.8	29.8	34.2	37.5	41.0	45.8	50.6	55.3	17.6	24.5	31.5	38.8	42.5	46.0	50.7	55.5	60.2	67.4	61.9	56.4	50.9	45.4	39.9	32.8	25.6	18.5	60.7	60.7	60.7	60.7
	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-31.5	-38.0	34.8	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-34.4	38.1	28.5	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	0.0	0.0	0.0	0.0
	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-13.6	-10.7	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-6.8	-30.9	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	0.0	0.0	0.0	0.0
07	12.8	21.8	27.3	31.3	34.7	38.0	41.6	46.3	51.1	15.5	22.5	31.1	36.0	39.7	43.0	46.6	51.3	56.0	18.2	25.2	32.2	40.3	44.6	48.0	51.5	56.2	61.0	62.5	57.0	51.5	46.0	40.5	34.9	29.4	22.3	15.2	71.2	71.2	71.2	71.2
	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-28.7	-35.2	41.1	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-31.5	44.4	34.8	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	0.0	0.0	0.0	0.0
	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.4	-17.4	-41.3	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-13.6	-38.3	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	0.0	0.0	0.0	0.0
08	13.5	22.9	28.8	33.2	36.8	40.2	43.5	47.1	51.8	16.2	23.2	32.3	37.7	41.7	45.2	48.5	52.1	56.8	18.9	25.9	32.9	41.5	46.5	50.1	53.4	57.0	61.7	57.6	52.1	46.6	41.0	35.5	30.0	24.5	19.0	11.9	81.6	81.6	81.6	81.6
	44.0	24.6	12.3	3.3	-4.2	-11.1	-18.0	-25.5	-32.3	47.3	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-28.7	50.7	41.1	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-25.5	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	0.0	0.0	0.0	0.0
	-51.7	-45.0	-40.9	-37.8	-35.2	-32.9	-30.5	-28.0	-24.4	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.4	-45.6	-41.3	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-28.0	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	0.0	0.0	0.0	0.0
09	14.2	23.9	30.2	35.0	38.9	42.3	45.6	49.0	52.7	16.9	23.9	33.3	39.2	43.6	47.3	50.6	53.9	57.6	19.6	26.6	33.6	42.7	48.1	52.2	55.6	58.9	62.5	52.7	47.1	41.6	36.1	30.6	25.1	19.6	14.1	8.6	92.0	92.0	92.0	92.0
	50.3	30.2	17.1	7.3	-0.7	-7.8	-14.7	-21.6	-29.1	53.6	44.0	24.6	12.3	3.3	-4.2	-11.1	-18.0	-25.5	57.0	47.3	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-29.1	-25.5	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	0.0	0.0	0.0	0.0
	-59.0	-52.2	-47.7	-44.4	-41.7	-39.2	-36.9	-34.6	-32.0	-56.0	-51.7	-45.0	-40.9	-37.8	-35.2	-32.9	-30.5	-28.0	-53.0	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-32.0	-28.0	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	0.0	0.0	0.0	0.0
10	18.5	23.3	28.8	36.8	39.6	43.5	47.7	52.0	56.4	21.8	26.6	31.7	37.7	46.2	48.8	52.5	56.5	60.8	25.1	29.9	34.8	40.3	46.8	55.6	58.1	61.6	65.5	92.0	91.0	90.0	88.9	87.9	86.9	85.8	84.8	83.8	8.6	8.6	8.6	8.6
	22.5	16.0	8.7	-1.9	-12.1	-20.7	-28.9	-36.9	-44.9	30.0	23.6	16.8	8.7	-2.6	-13.0	-22.0	-30.4	-38.5	37.5	31.1	24.5	17.3	8.5	-3.2	-13.9	-23.1	-31.7	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	-3.9	-4.5	-5.2	0.0	0.0	0.0	0.0
	16.5	23.0	30.3	41.0	44.6	49.8	55.4	61.2	67.1	22.0	28.5	35.2	43.3	54.7	57.9	62.8	68.2	73.9	27.5	34.0	40.5	47.8	56.5	68.3	71.4	75.9	81.1	0.0	13.7	27.3	41.0	54.7	68.3	82.0	95.7	109.3	0.0	0.0	0.0	0.0
11	18.8	25.6	30.6	37.8	41.0	45.1	49.4	53.8	58.2	22.1	28.9	33.8	39.2	47.2	50.1	54.0	58.1	62.5	25.4	32.3	37.1	42.1	48.1	56.6	59.3	62.9	67.0	82.3	81.6	80.6	79.5	78.5	77.5	76.4	75.4	74.4	14.1	14.1	14.1	14.1
	24.7	15.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	-43.1	32.2	22.5	16.0	8.7	-1.9	-12.1	-20.7	-28.9	-36.9	39.8	30.0	23.6	16.8	8.7	-2.6	-13.0	-22.0	-30.4	6.3	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	-3.9	-4.5	0.0	0.0	0.0	0.0
	7.3	11.0	17.6	27.3	31.4	36.9	42.8	48.7	54.7	12.7	16.5	23.0	30.3	41.0	44.6	49.8	55.4	61.2	18.0	22.0	28.5	35.2	43.3	54.7	57.9	62.8	68.2	-7.4	0.0	13.7	27.3	41.0	54.7	68.3	82.0	95.7	0.0	0.0	0.0	0.0
12	19.0	25.9	32.8	38.8	42.5	46.8	51.3	55.7	60.1	22.4	29.2	36.1	41.0	48.2	51.4	55.5	59.9	64.2	25.7	32.5	39.4	44.2	49.6	57.6	60.5	64.4	68.6	72.6	71.9	71.2	70.1	69.1	68.1	67.0	66.0	65.0	19.7	19.7	19.7	19.7
	26.8	17.2	7.5	-0.6	-9.6	-17.6	-25.5	-33.3	-41.1	34.3	24.7	15.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	41.9	32.2	22.5	16.0	8.7	-1.9	-12.1	-20.7	-28.9	12.6	6.3	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	-3.9	0.0	0.0	0.0	0.0
	-1.5	2.0	5.5	13.7	18.5	24.4	30.4	36.4	42.4	4.0	7.3	11.0	17.6	27.3	31.4	36.9	42.8	48.7	9.3	12.7	16.5	23.0	30.3	41.0	44.6	49.8	55.4	-14.8	-7.4	0.0	13.7	27.3	41.0	54.7	68.3	82.0	0.0	0.0	0.0	0.0
13	19.4	26.2	33.0	39.9	44.3	48.8	53.2	57.6	62.1	22.6	29.5	36.3	43.2	49.3	52.9	57.3	61.7	66.1	25.9	32.8	39.6	46.5	51.4	58.7	61.8	66.0	70.3	62.8	62.1	61.4	60.7	59.7	58.7	57.6	56.6	55.6	25.3	25.3	25.3	25.3
	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	36.6	26.8	17.2	7.5	-0.6	-9.6	-17.6	-25.5	-33.3	44.0	34.3	24.7	15.0	8.4	-1.3	-11.0	-19.3	-27.3	18.9	12.6	6.3	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	0.0	0.0	0.0	0.0
	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	-5.3	-1.5	2.0	5.5	13.7	18.5	24.4	30.4	36.4	0.5	4.0	7.3	11.0	17.6	27.3	31.4	36.9	42.8	-22.1	-14.8	-7.4	0.0	13.7	27.3	41.0	54.7	68.3	0.0	0.0	0.0	0.0
14	19.8	26.7	33.6	40.6	45.4	50.1	54.8	59.5	64.0	23.0	29.8	36.6	43.5	50.3	54.7	59.2	63.6	68.1	26.2	33.1	39.9	46.8	53.6	59.7	63.3	67.7	72.1	53.1	52.4	51.7	51.0	50.3	49.3	48.2	47.2	46.2	30.8	30.8	30.8	30.8
	35.5	25.7	15.9	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	46.3	36.6	26.8	17.2	7.5	-0.6	-9.6	-17.6	-25.5	25.2	18.9	12.6	6.3	0.0	-0.6	-1.3	-1.9	-2.6	0.0	0.0	0.0	0.0
	-20.2	-16.0	-11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	-9.2	-5.3	-1.5	2.0	5.5	13.7	18.5	24.4	30.4	-29.5	-22.1	-14.8	-7.4	0.0	13.7	27.3	41.0	54.7	0.0	0.0	0.0	0.0
15	20.4	27.3	34.3	41.3	47.4	50.9	55.6	60.4	65.1	23.4	30.2	37.1	44.0	51.0	55.8	60.6	65.3	69.9	26.6	33.4	40.2	47.1	53.9	60.7	65.2	69.6	74.1	43.4	42.7	42.0	41.3	40.6	39.9	38.8	37.8	36.8	36.4	36.4	36.4	36.4
	41.6	31.9	22.2	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	45.3	35.5	25.7	15.9	6.3	-3.6	-10.2	-17.1	-24.2	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	31.4	25.2	18.9	12.6	6.3	0.0	-0.6	-1.3	-1.9	0.0	0.0	0.0	0.0
	-27.7	-23.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	-24.4	-20.2	-16.0	-11.7	-7.4	-4.0	-0.9	2.8	7.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	-36.9	-29.5	-22.1	-14.8	-7.4	0.0	13.7	27.3	41.0	0.0	0.0	0.0	0.0
16	21.0	28.0	35.0	42.0	49.2	52.9	56.4	61.1	65.9	23.9	30.8	37.7	44.7	51.7	57.9	61.3	66.1	70.8	27.0	33.8	40.7	47.5	54.5	61.4	66.2	71.0	75.7	33.6	32.9	32.2	31.5	30.8	30.1	29.4	28.4	27.4	42.0	42.0	42.0	42.0
	47.8	38.1	28.5	18.9	3.9	-3.8	-10.9	-17.6	-24.1	51.4	41.6	31.9	22.2	12.6	-0.2	-7.3	-13.9	-20.5	55.1	45.3	35.5	25.7	15.9	6.3	-3.6	-10.2	-17.1	37.7	31.4	25.2	18.9	12.6	6.3	0.0	-0.6	-1.3	0.0	0.0	0.0	0.0
	-35.2	-30.9	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-32.0	-27.7	-23.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	-28.7	-24.4	-20.2	-16.0	-11.7	-7.4	-4.0	-0.9	2.8	-44.3	-36.9	-29.5	-22.1	-14.8	-7.4	0.0	13.7	27.3	0.0	0.0	0.0	0.0
17	21.7	28.7	35.7	42.7	50.7	55.0	58.4	61.9	66.6	24.6	31.5	38.4	45.4	52.4	59.6	63.4	66.8	71.6	27.5	34.4	41.3	48.2	55.1	62.1	68.3	71.7	76.5	23.9	23.2	22.5	21.8	21.1	20.4	19.7	19.0	18.0	47.5	47.5	47.5	47.5
	54.1	44.4	34.8	25.2	8.6	-0.3	-7.3	-14.6	-21.3	57.6	47.8	38.1	28.5	18.9	3.9	-3.8	-10.9	-17.6	61.1	51.4	41.6	31.9	22.2	12.6	-0.2	-7.3	-13.9	44.0	37.7	31.4	25.2	18.9	12.6	6.3	0.0	-0.6	0.0	0.0	0.0	0.0
	-42.6	-38.3	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-39.5	-35.2	-30.9	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-36.2	-32.0	-27.7	-23.4	-19.1	-14.8	-10.4	-8.0	-4.9	-51.7	-44.3	-36.9	-29.5	-22.1	-14.8	-7.4	0.0	13.7	0.0	0.0	0.0	0.0
18	22.4	29.4	36.3	43.4	52.0	56.9	60.5	63.9	67.4	25.2	32.1	39.1	46.1	53.1	61.1	65.4	68.8	72.3	28.1	35.0	41.9	48.8	55.8	62.8	70.1	73.8	77.3	14.2	13.5	12.8	12.1	11.4	10.7	10.0	9.3	8.6	53.1	53.1	53.1	53.1
	60.4	50.7	41.1	31.4	13.7	3.5	-4.0	-10.9	-18.2	63.8	54.1	44.4	34.8	25.2	8.6	-0.3	-7.3	-14.6	67.3	57.6	47.8	38.1	28.5	18.9	3.9	-3.8	-10.9	50.3	44.0	37.7	31.4	25.2	18.9	12.6	6.3	0.0	0.0	0.0	0.0	0.0
	-50.0	-45.6	-41.3	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-46.9	-42.6	-38.3	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-43.7	-39.5	-35.2	-30.9	-26.5	-22.1	-17.0	-14.4	-12.0	-59.0	-51.7	-44.3	-36.9	-29.5	-22.1	-14.8	-7.4	0.0	0.0	0.0	0.0	0.0
19	28.4	33.3	38.1	43.2	49.0	55.9	65.0	67.4	70.7	31.7	36.6	41.4	46.4	51.8	57.9	65.2	74.4	76.7	35.1	39.9	44.7	49.6	54.8	60.4	66.8	74.4	83.8	92.0	86.0	80.0	74.1	68.1	62.1	56.1	50.1	44.1	58.6	58.6	58.6	58.6
	45.0	38.6	32.1	25.2	17.5	8.2	-3.9	-14.7	-24.1	52.5	46.0	39.6	32.9	25.7	17.5	7.8	-4.5	-15.4	60.0	53.5	47.1	40.6	33.6	26.1	17.5	7.4	-5.2	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	-62.7	0.0	0.0	0.0	0.0
	33.0	39.5	45.9	52.8	60.6	69.9	82.0	84.9	89.2	38.5	45.0	51.4	58.1	65.3	73.5	83.3	95.7	98.4	44.0	50.5	56.9	63.5	70.4	78.0	86.6	96.8	109.3	0.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	48.2	0.0	0.0	0.0	0.0
20	28.7	35.6	40.4	45.3	50.7	57.2	66.0	68.5	72.0	32.0	38.9	43.7	48.5	53.7	59.4	66.4	75.4	77.8	35.3	42.2	47.0	51.8	56.8	62.2	68.3	75.6	84.8	85.2	81.6	75.6	69.6	63.6	57.6	51.7	45.7	39.7	64.2	64.2	64.2	64.2
	47.3	37.5	31.1	24.5	17.3	8.5	-3.2	-13.9	-23.1	54.8	45.0	38.6	32.1	25.2	17.5	8.2	-3.9	-14.7	62.3	52.5	46.0	39.6	32.9	25.7	17.5	7.8	-4.5	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	0.0	0.0	0.0	0.0
	23.4	27.5	34.0	40.5	47.8	56.5	68.3	71.4	75.9	28.9	33.0	39.5	45.9	52.8	60.6	69.9	82.0	84.9	34.3	38.5	45.0	51.4	58.1	65.3	73.5	83.3	95.7	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	0.0	0.0	0.0	0.0
21	29.0	35.8	42.7	47.5	52.5	58.6	67.0	69.7	73.4	32.3	39.2	46.0	50.8	55.7	61.1	67.6	76.4	78.9	35.6	42.5	49.3	54.1	59.0	64.1	69.9	76.8	85.8	78.4	74.8	71.2	65.2	59.2	53.2	47.2	41.2	35.2	69.8	69.8	69.8	69.8
	49.4	39.8	30.0	23.6	16.8	8.7	-2.6	-13.0	-22.0	57.0	47.3	37.5	31.1	24.5	17.3	8.5	-3.2	-13.9	64.5	54.8	45.0	38.6	32.1	25.2	17.5	8.2	-3.9	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	0.0	0.0	0.0	0.0
	14.6	18.0	22.0	28.5	35.2	43.3	54.7	57.9	62.8	20.0	23.4	27.5	34.0	40.5	47.8	56.5	68.3	71.4	25.3	28.9	33.0	39.5	45.9	52.8	60.6	69.9	82.0	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	0.0	0.0	0.0	0.0
22	29.2	36.1	43.0	49.8	54.6	60.1	68.1	70.9	74.8	32.6	39.4	46.3	53.1	57.9	63.0	69.0	77.5	80.1	35.9	42.7	49.6	56.4	61.2	66.1	71.5	78.1	86.9	71.5	67.9	64.3	60.7	54.7	48.8	42.8	36.8	30.8	75.3	75.3	75.3	75.3
	51.5	41.9	32.2	22.5	16.0	8.7	-1.9	-12.1	-20.7	59.0	49.4	39.8	30.0	23.6	16.8	8.7	-2.6	-13.0	66.6	57.0	47.3	37.5	31.1	24.5	17.3	8.5	-3.2	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	0.0	0.0	0.0	0.0
	6.0	9.3	12.7	16.5	23.0	30.3	41.0	44.6	49.8	11.3	14.6	18.0	22.0	28.5	35.2	43.3	54.7	57.9	16.6	20.0	23.4	27.5	34.0	40.5	47.8	56.5	68.3	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	0.0	0.0	0.0	0.0
23	29.5	36.4	43.2	50.1	56.9	61.8	69.1	72.3	76.4	32.8	39.7	46.5	53.4	60.2	65.1	70.5	78.5	81.4	36.1	43.0	49.8	56.7	63.5	68.4	73.4	79.4	87.9	64.7	61.1	57.5	53.9	50.3	44.3	38.3	32.3	26.4	80.9	80.9	80.9	80.9
	53.7	44.0	34.3	24.7	15.0	8.4	-1.3	-11.0	-19.3	61.2	51.5	41.9	32.2	22.5	16.0	8.7	-1.9	-12.1	68.7	59.0	49.4	39.8	30.0	23.6	16.8	8.7	-2.6	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	0.0	0.0	0.0	0.0
	-3.1	0.5	4.0	7.3	11.0	17.6	27.3	31.4	36.9	2.5	6.0	9.3	12.7	16.5	23.0	30.3	41.0	44.6	7.9	11.3	14.6	18.0	22.0	28.5	35.2	43.3	54.7	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	0.0	0.0	0.0	0.0
24	29.8	36.7	43.5	50.3	57.2	64.0	70.1	73.8	78.1	33.1	39.9	46.8	53.6	60.5	67.4	72.3	79.5	82.7	36.4	43.3	50.1	57.0	63.8	70.7	75.5	80.9	88.9	57.9	54.3	50.7	47.1	43.5	39.9	33.9	27.9	21.9	86.5	86.5	86.5	86.5
	56.1	46.3	36.6	26.8	17.2	7.5	-0.6	-9.6	-17.6	63.4	53.7	44.0	34.3	24.7	15.0	8.4	-1.3	-11.0	70.8	61.2	51.5	41.9	32.2	22.5	16.0	8.7	-1.9	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	-23.5	0.0	0.0	0.0	0.0
	-13.1	-9.2	-5.3	-1.5	2.0	5.5	13.7	18.5	24.4	-6.8	-3.1	0.5	4.0	7.3	11.0	17.6	27.3	31.4	-1.0	2.5	6.0	9.3	12.7	16.5	23.0	30.3	41.0	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	0.0	0.0	0.0	0.0
25	30.2	37.0	43.8	50.7	57.5	64.3	71.2	75.6	80.0	33.4	40.2	47.1	53.9	60.8	67.6	74.5	80.6	84.2	36.7	43.5	50.4	57.2	64.1	70.9	77.8	82.7	90.0	51.0	47.4	43.8	40.2	36.6	33.0	29.4	23.5	17.5	92.0	92.0	92.0	92.0
	59.0	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	65.9	56.1	46.3	36.6	26.8	17.2	7.5	-0.6	-9.6	73.1	63.4	53.7	44.0	34.3	24.7	15.0	8.4	-1.3	59.0	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	-15.7	0.0	0.0	0.0	0.0
	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	-17.2	-13.1	-9.2	-5.3	-1.5	2.0	5.5	13.7	18.5	-10.6	-6.8	-3.1	0.5	4.0	7.3	11.0	17.6	27.3	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	12.1	0.0	0.0	0.0	0.0
26	30.5	37.4	44.2	51.1	58.0	64.9	71.9	76.7	81.4	33.8	40.6	47.4	54.3	61.1	67.9	74.8	81.6	86.0	37.0	43.8	50.7	57.5	64.4	71.2	78.0	84.9	91.0	44.2	40.6	37.0	33.4	29.8	26.2	22.6	19.0	13.0	8.6	35.1	83.8	44.1
	64.9	55.1	45.3	35.5	25.7	15.9	6.3	-3.6	-10.2	68.8	59.0	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	75.7	65.9	56.1	46.3	36.6	26.8	17.2	7.5	-0.6	68.8	59.0	49.2	39.3	29.5	19.7	9.8	0.0	-7.8	0.0	60.0	-5.2	-62.7
	-32.9	-28.7	-24.4	-20.2	-16.0	-11.7	-7.4	-4.0	-0.9	-29.3	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	-21.2	-17.2	-13.1	-9.2	-5.3	-1.5	2.0	5.5	13.7	-29.3	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	6.0	0.0	44.0	109.3	48.2
27	31.0	37.9	44.8	51.7	58.6	65.6	72.6	78.7	82.2	34.1	41.0	47.8	54.7	61.5	68.4	75.3	82.3	87.1	37.4	44.2	51.0	57.9	64.7	71.5	78.4	85.2	92.0	37.4	33.8	30.2	26.6	23.0	19.4	15.8	12.2	8.6	92.0	52.7	14.2	37.4
	70.9	61.1	51.4	41.6	31.9	22.2	12.6	-0.2	-7.3	74.7	64.9	55.1	45.3	35.5	25.7	15.9	6.3	-3.6	78.6	68.8	59.0	49.2	39.3	29.5	19.7	9.8	0.0	78.6	68.8	59.0	49.2	39.3	29.5	19.7	9.8	0.0	0.0	-29.1	50.3	78.6
	-40.5	-36.2	-32.0	-27.7	-23.4	-19.1	-14.8	-10.4	-8.0	-37.1	-32.9	-28.7	-24.4	-20.2	-16.0	-11.7	-7.4	-4.0	-33.5	-29.3	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	-33.5	-29.3	-25.1	-20.9	-16.8	-12.6	-8.4	-4.2	0.0	0.0	-32.0	-59.0	-33.5

See for similar files: http://www.ps.bam.de/Ee32/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

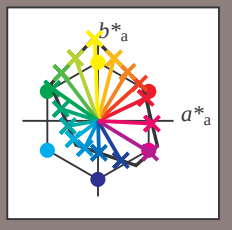
BAM registration: 20081001-Ee32/10L/L32E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

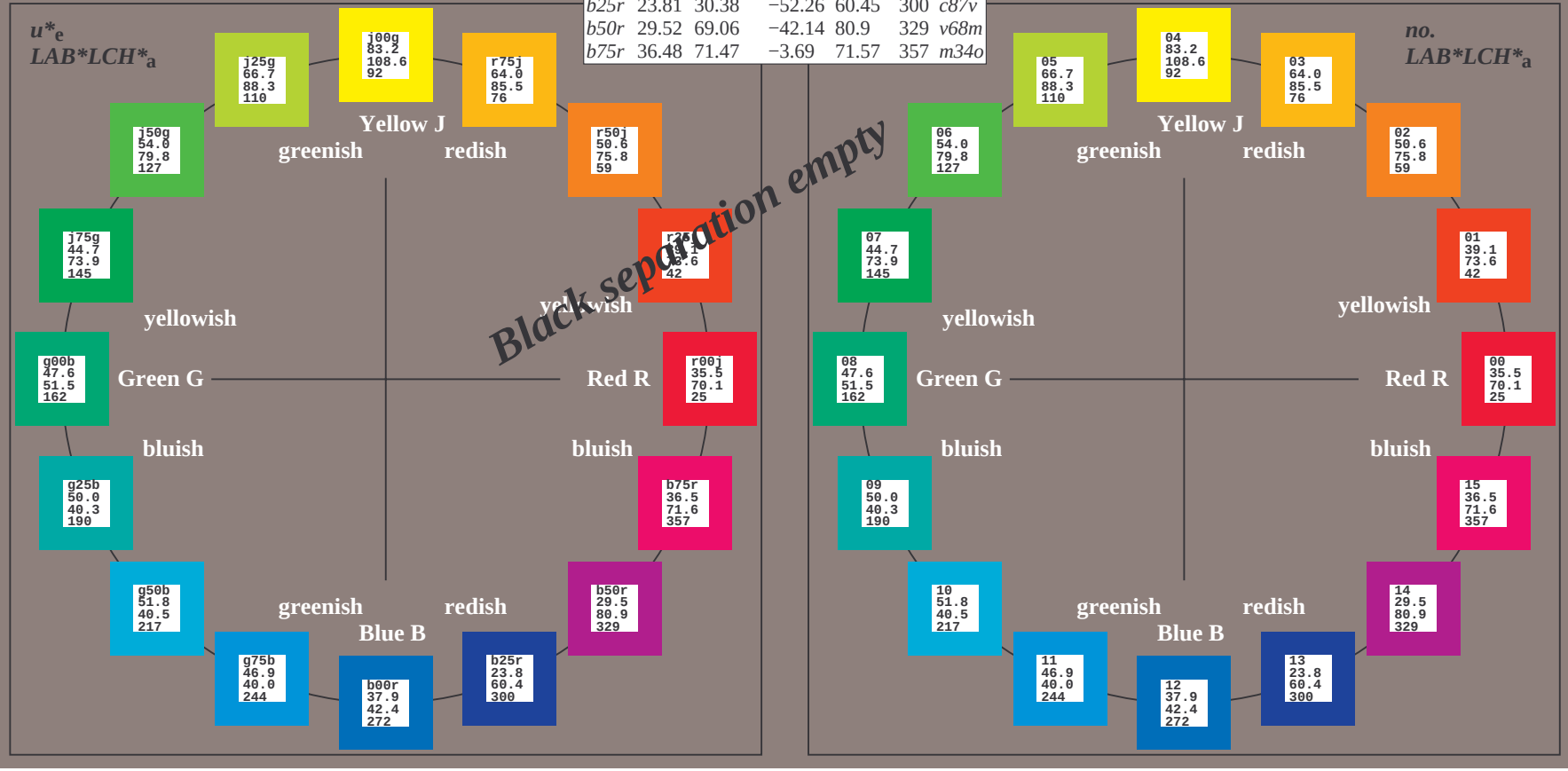
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

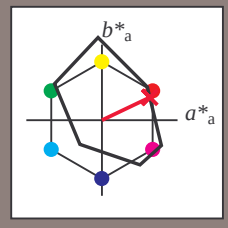
FRS09_92aM; adapted (a) CIELAB data

Name	*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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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	

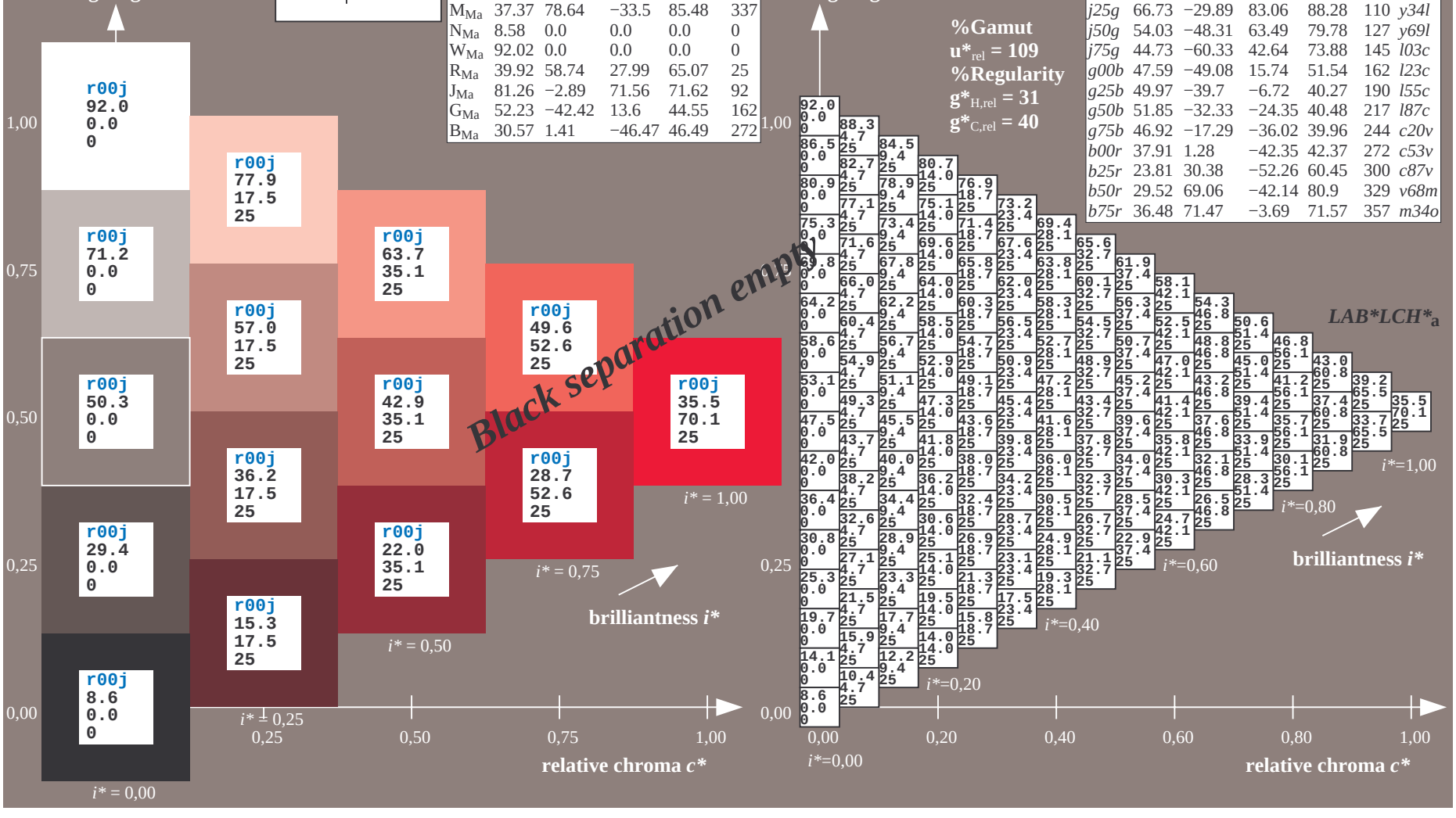
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u^*_e = *r00j*
LAB*LCH*$^*_a$

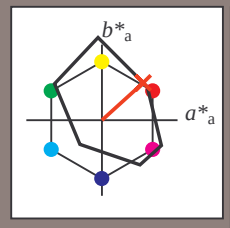
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

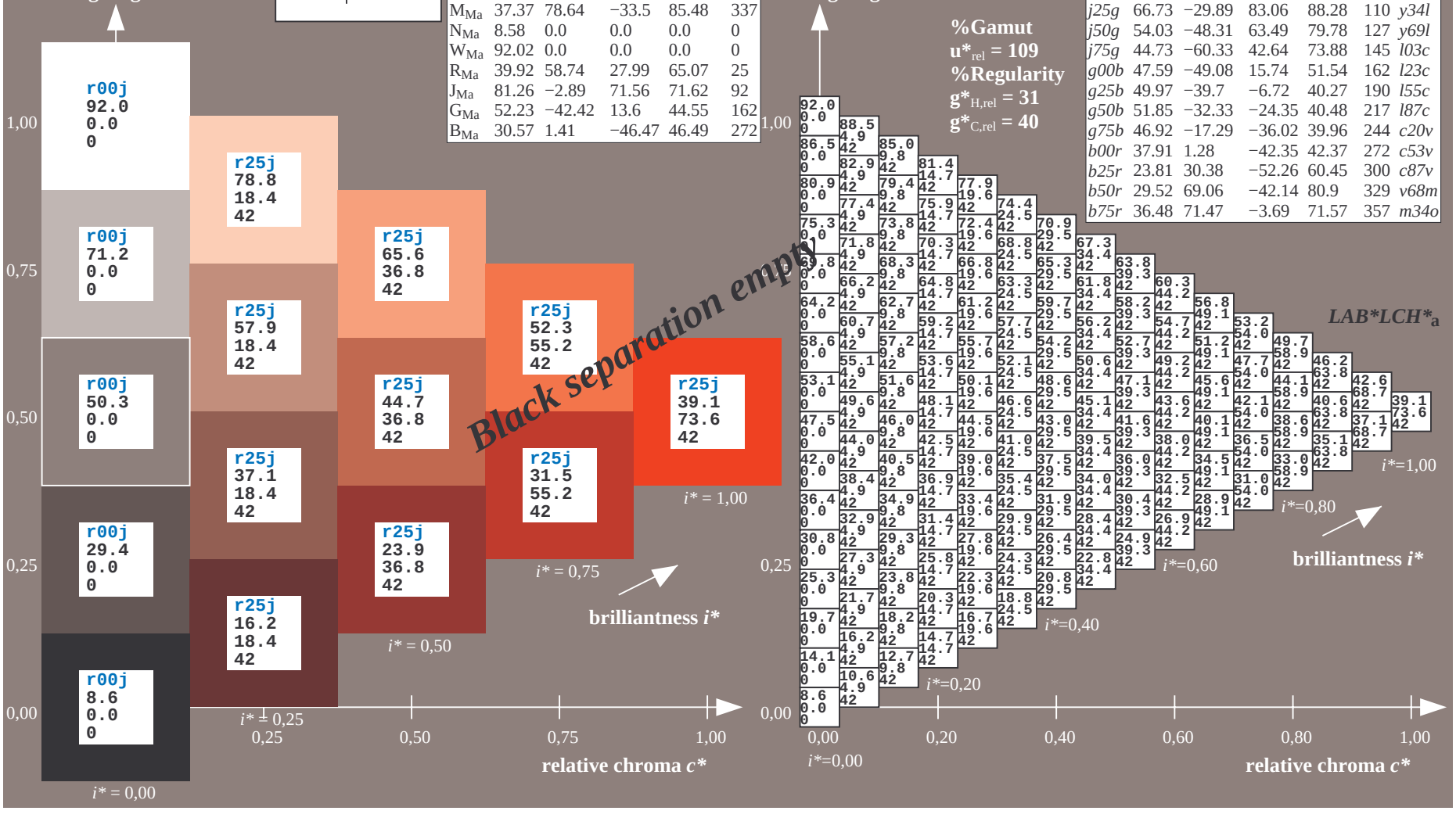
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

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

u^*_e = *r25j*
LAB*LCH*$^*_a$

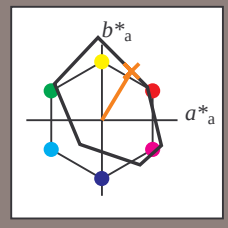
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

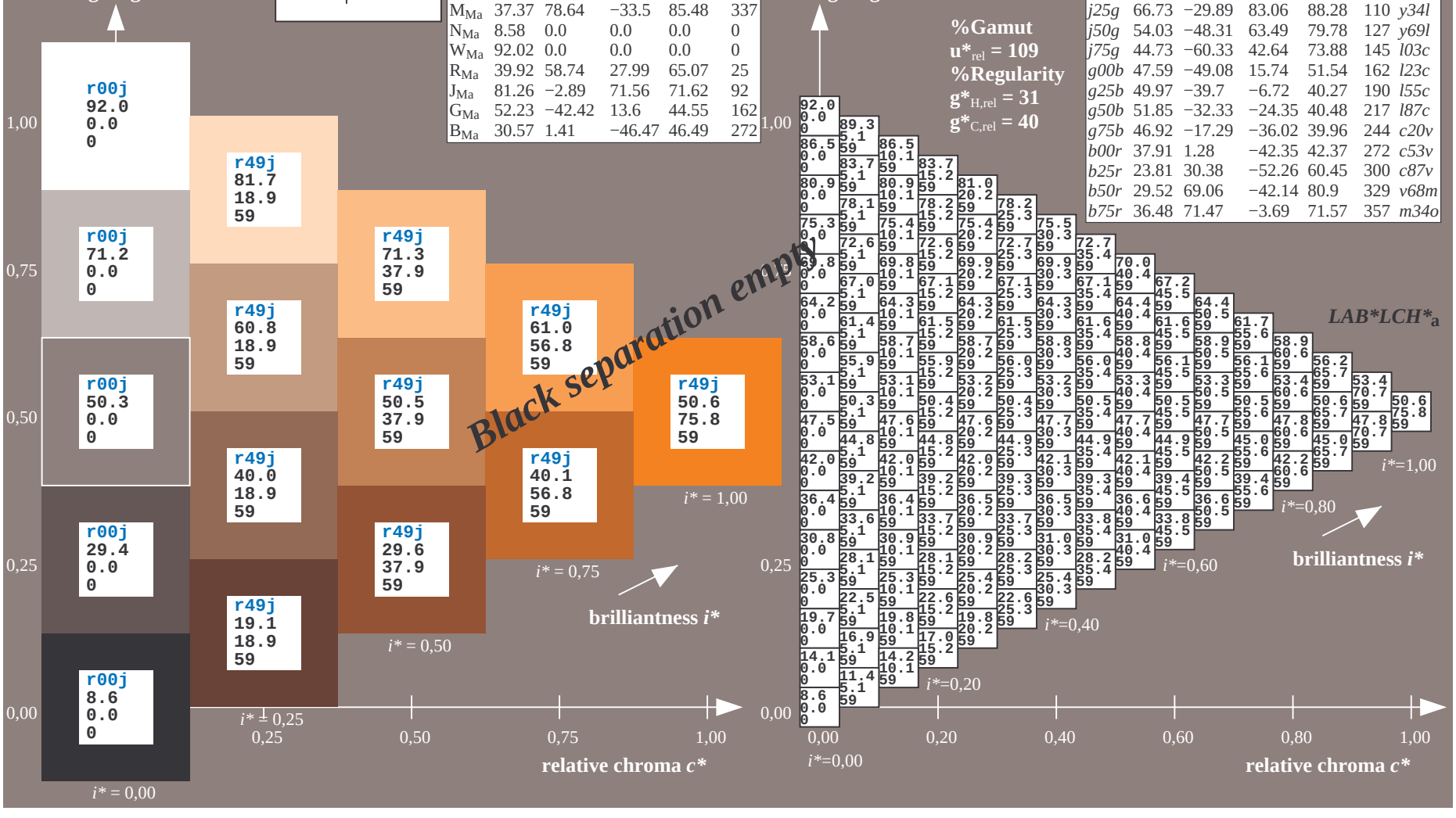
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

u^*_e = *r50j*
LAB*LCH*$_a$

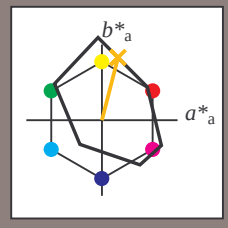
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

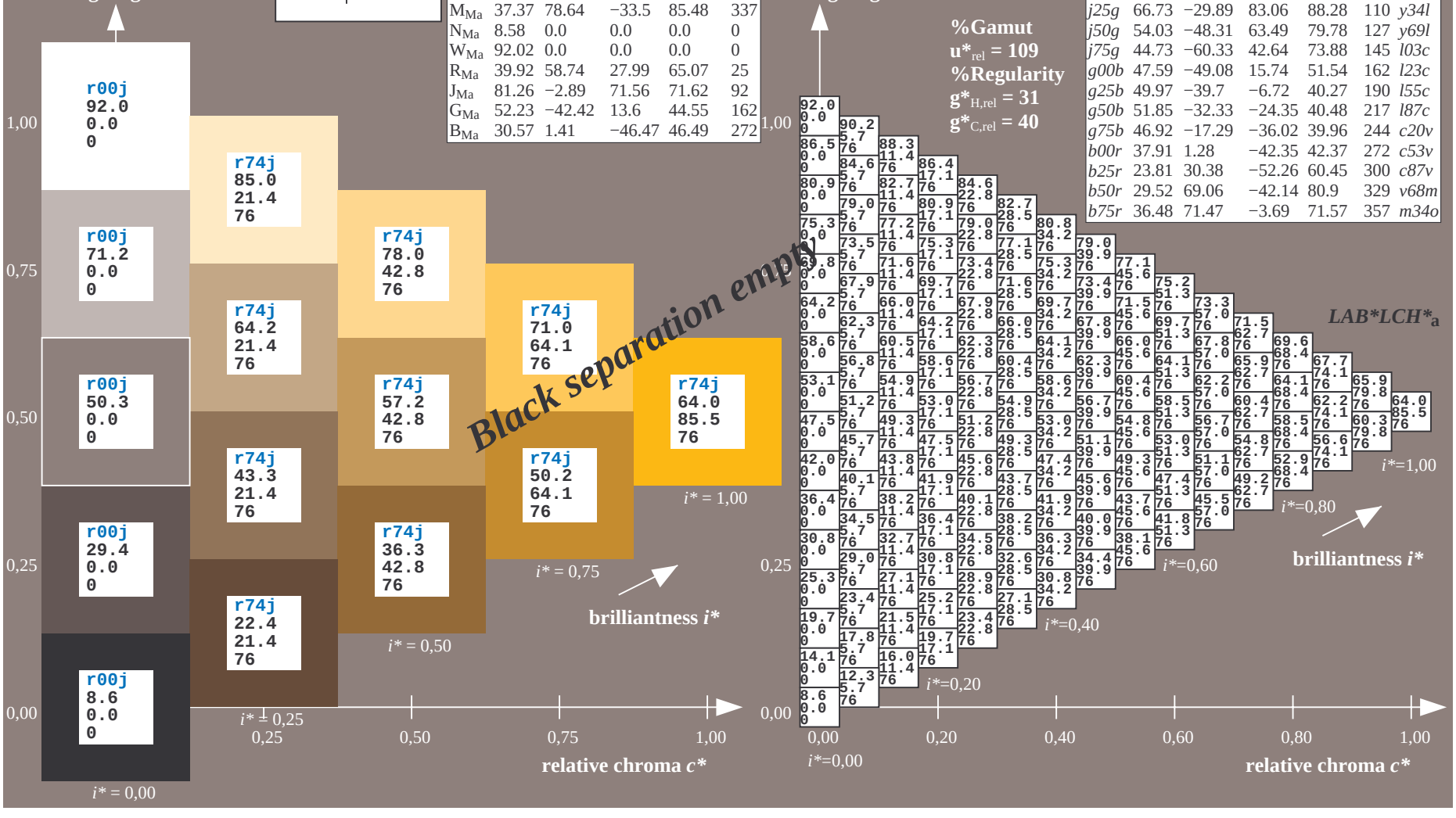
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

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

u^*_e = *r75j*
LAB*LCH*$^*_a$

FRS09_92aM; adapted (a) CIELAB data

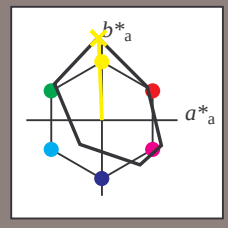
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

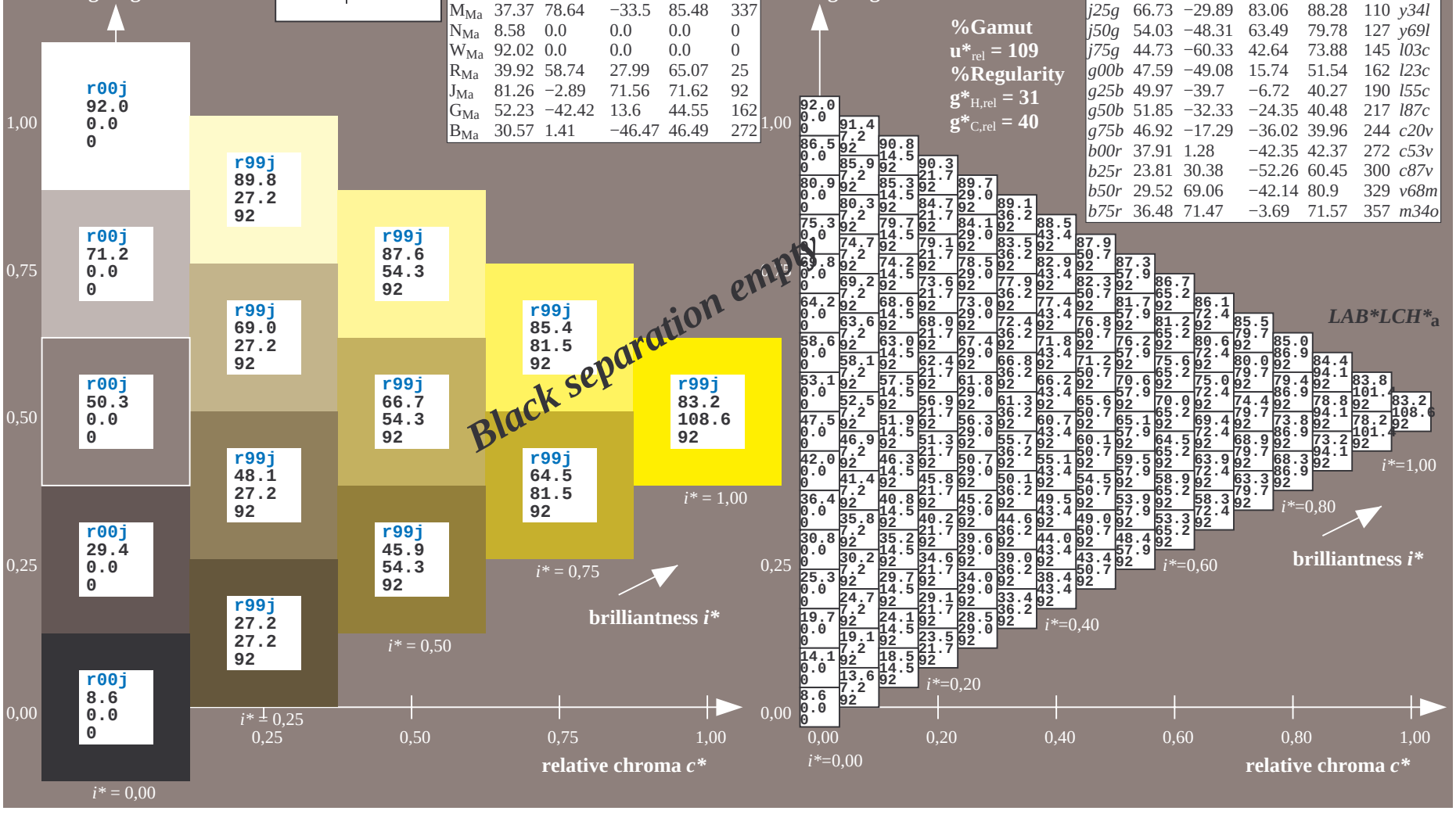
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
LAB*LCH*$^*_a$

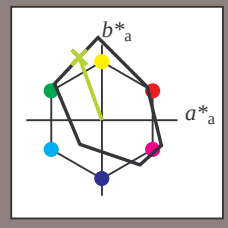
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
$c_R = 1.0$
triangle lightness t^*



FRS09_92aM; 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_{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

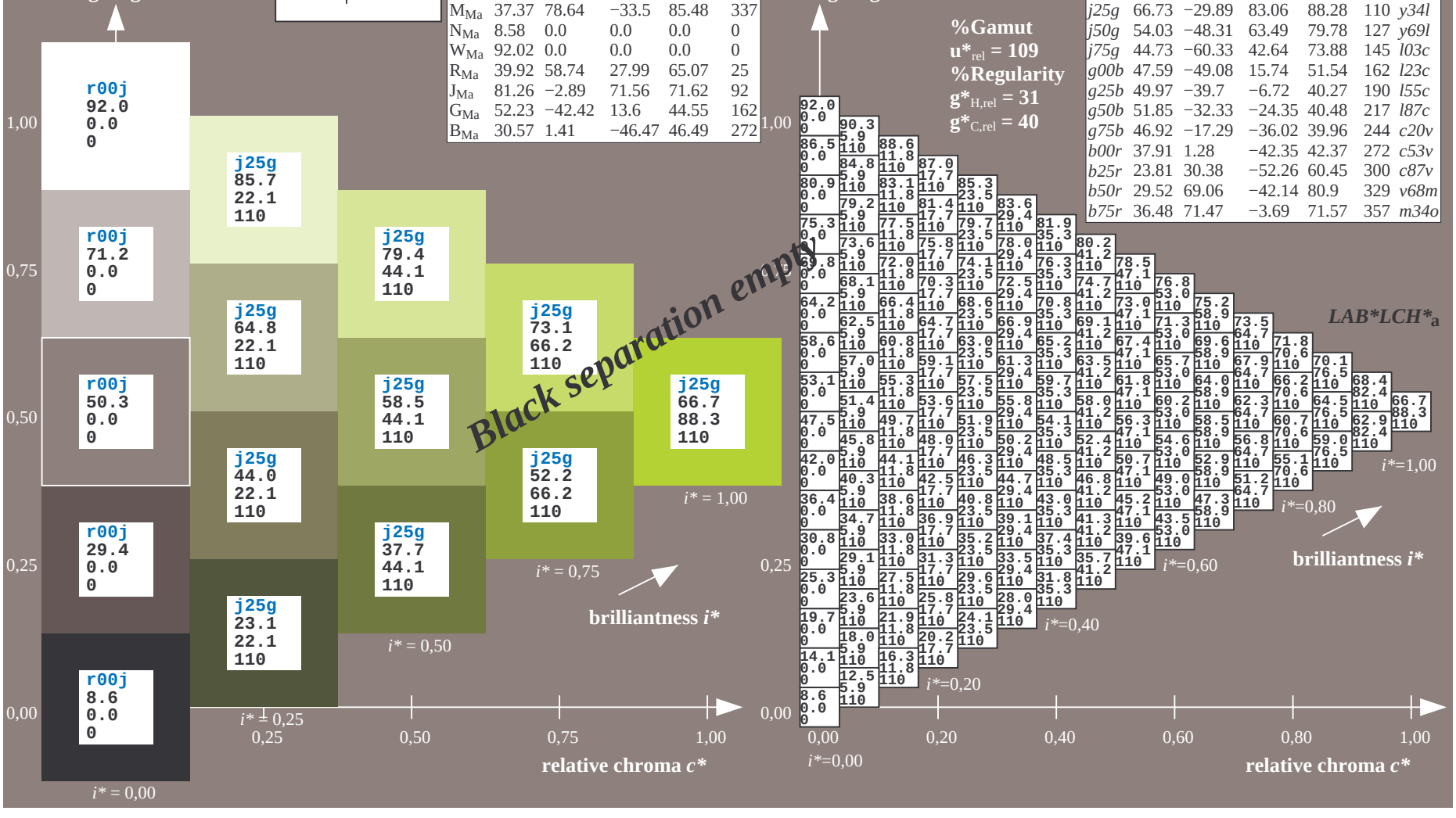
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 67 −30 83
$LAB^*LCH^*_{Ma}$: 67 88 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.66 1.0 0.0
triangle lightness t^*

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

$u^*_e = j25g$
$LAB^*LCH^*_a$

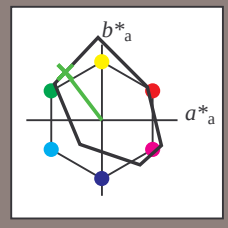
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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	

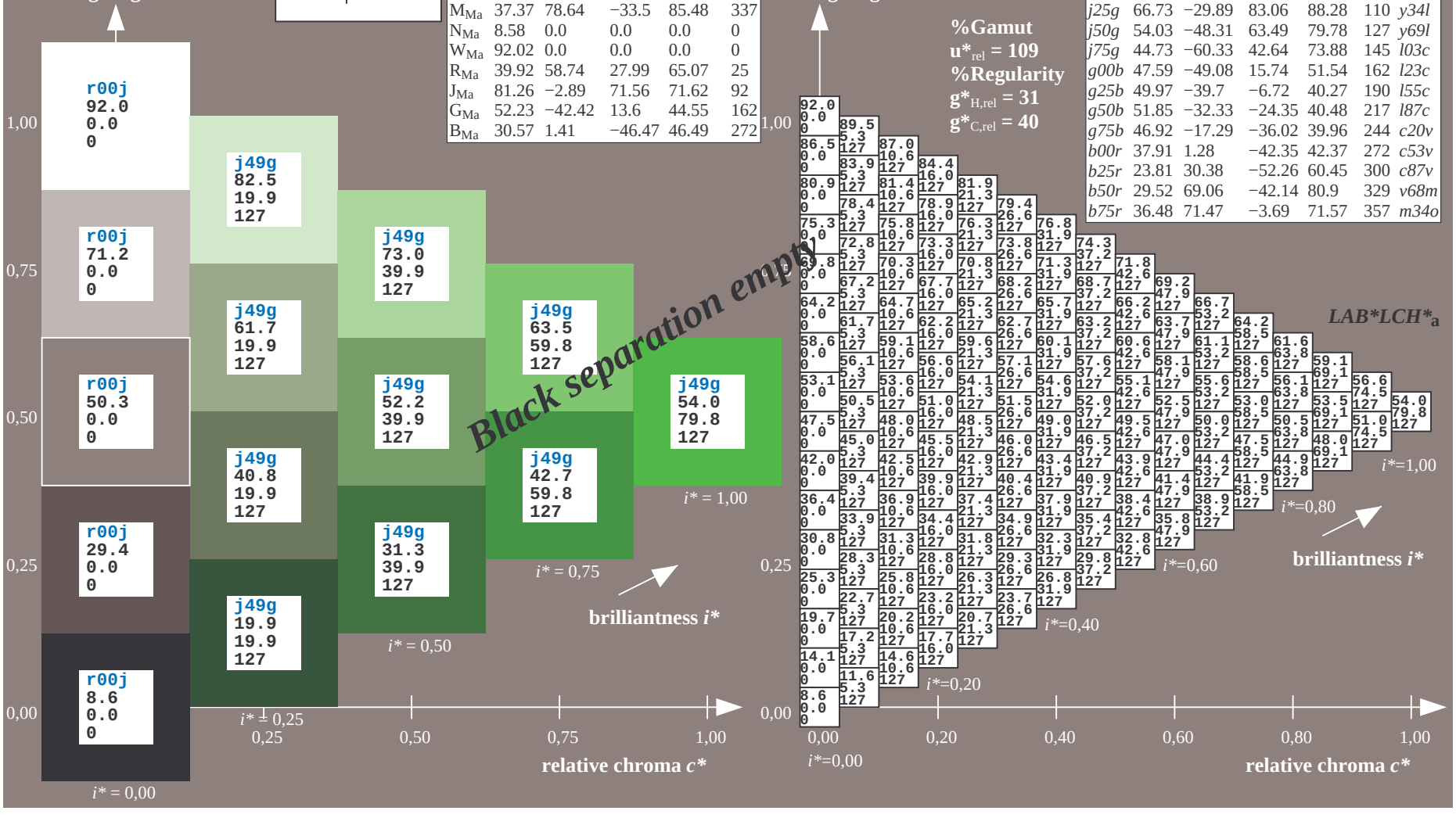
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u*e = j50g
LAB*LCH*a**

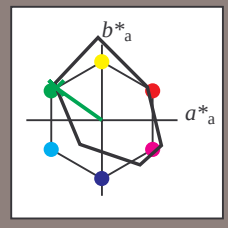
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

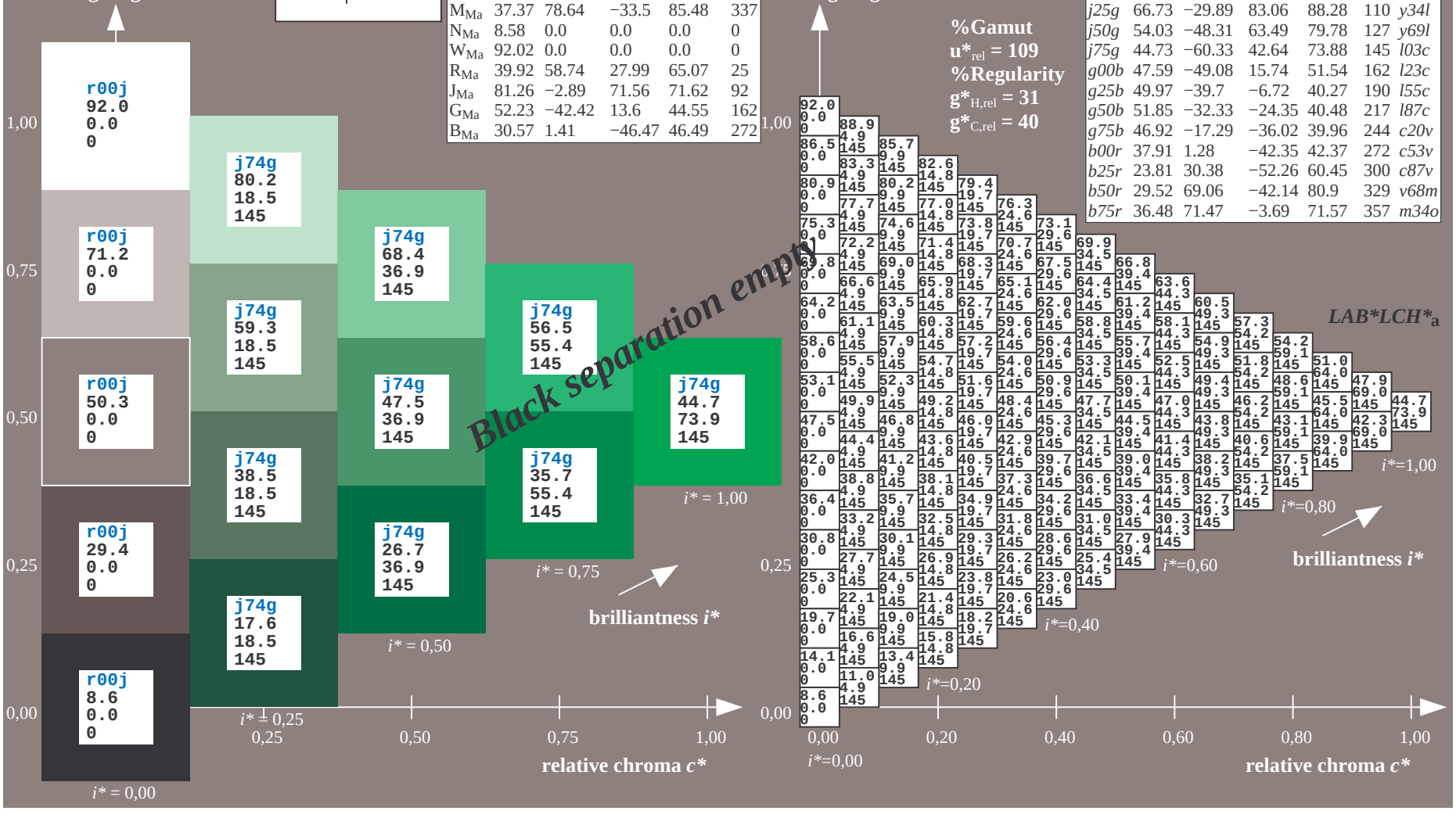
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 45 −60 43
*LAB*LCH**$_{Ma}$: 45 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

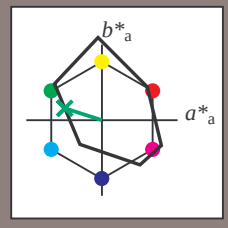
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; 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_{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

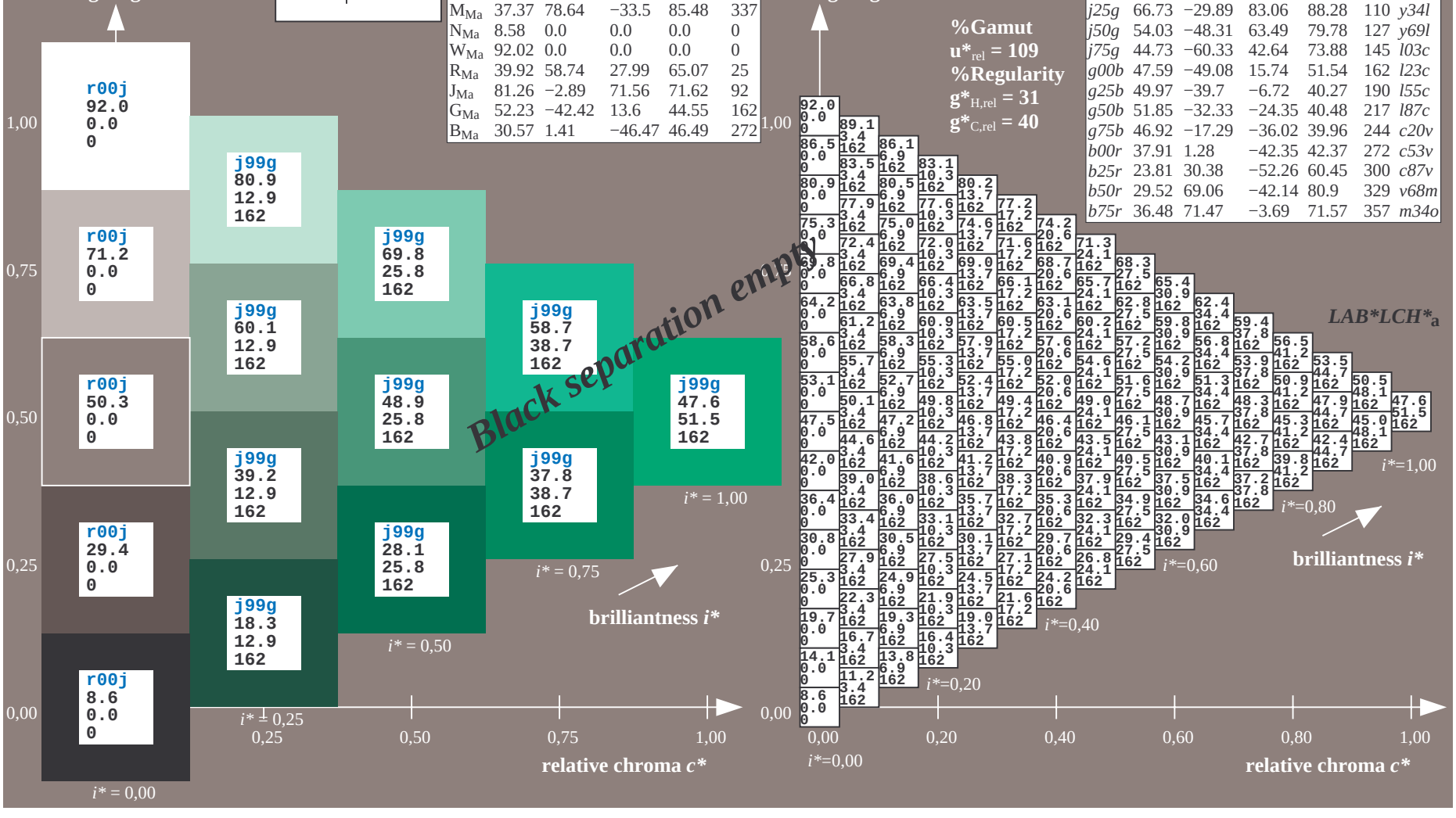
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

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

u^*_e = *g00b*
LAB*LCH*$_a$

FRS09_92aM; adapted (a) CIELAB data

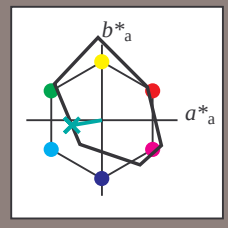
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; adapted (a) CIELAB data

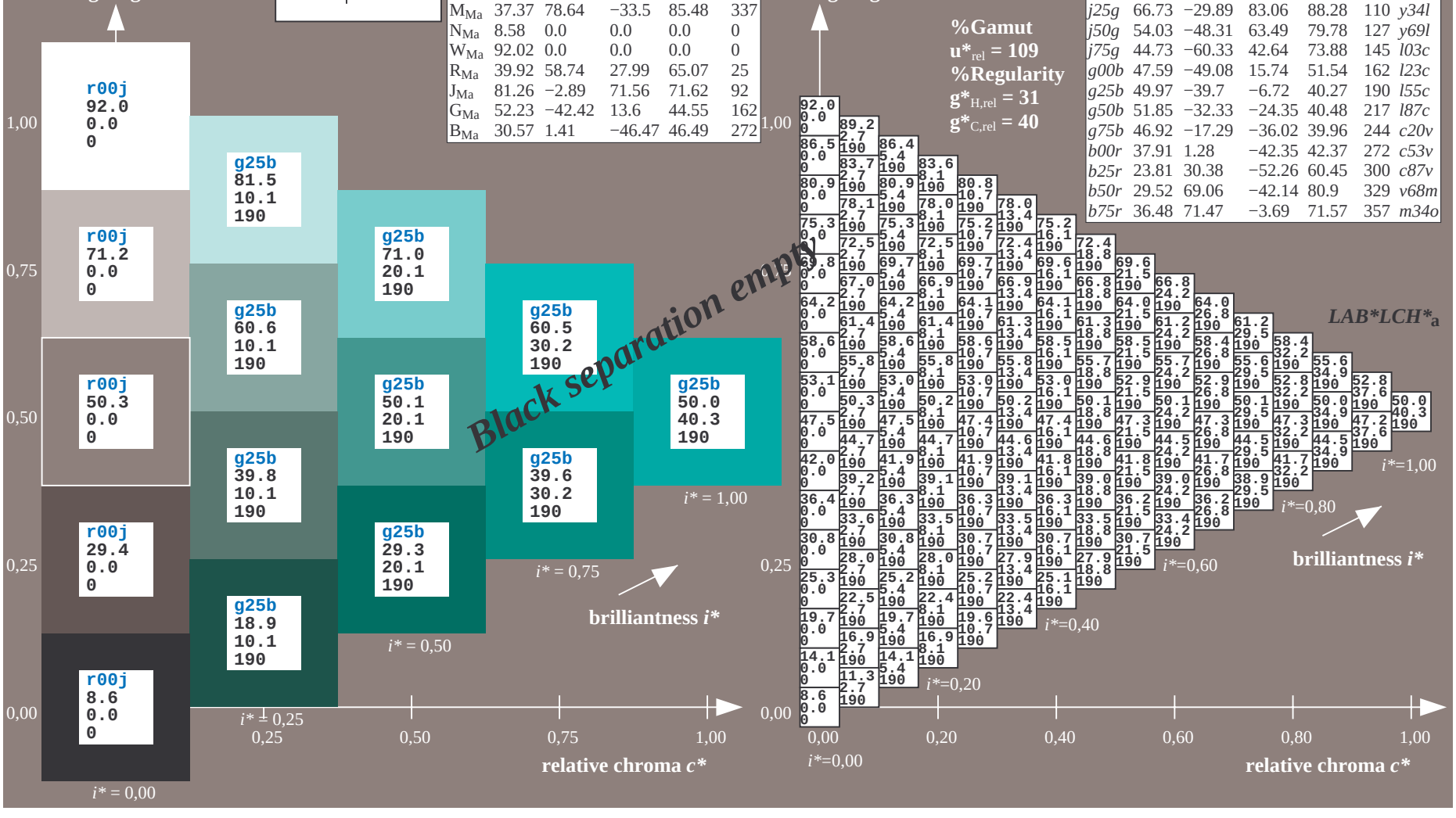
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

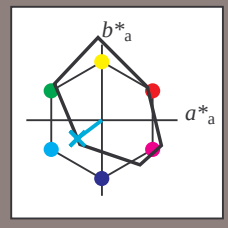
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; adapted (a) CIELAB data

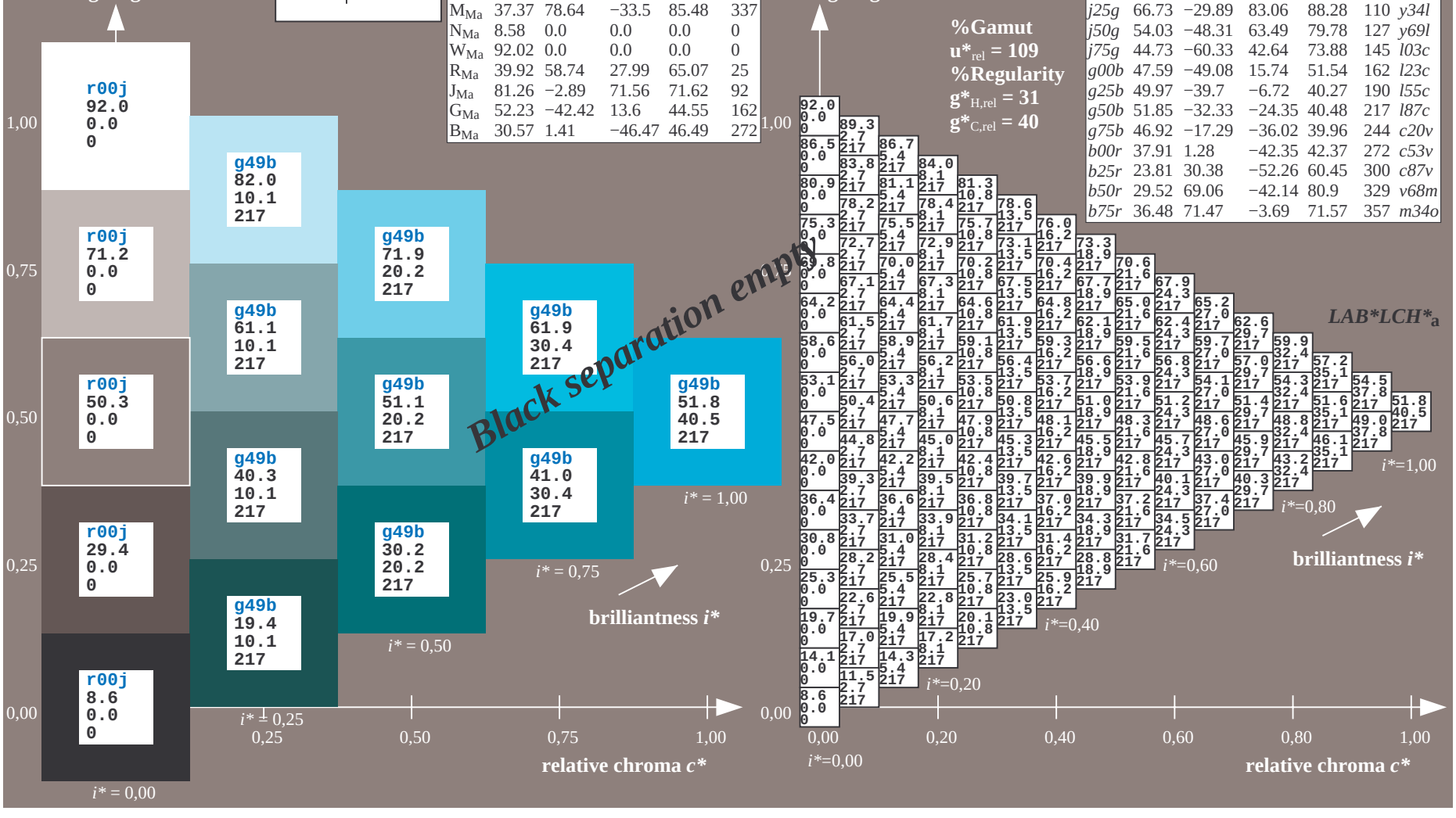
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

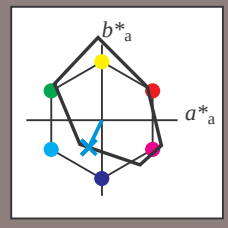
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

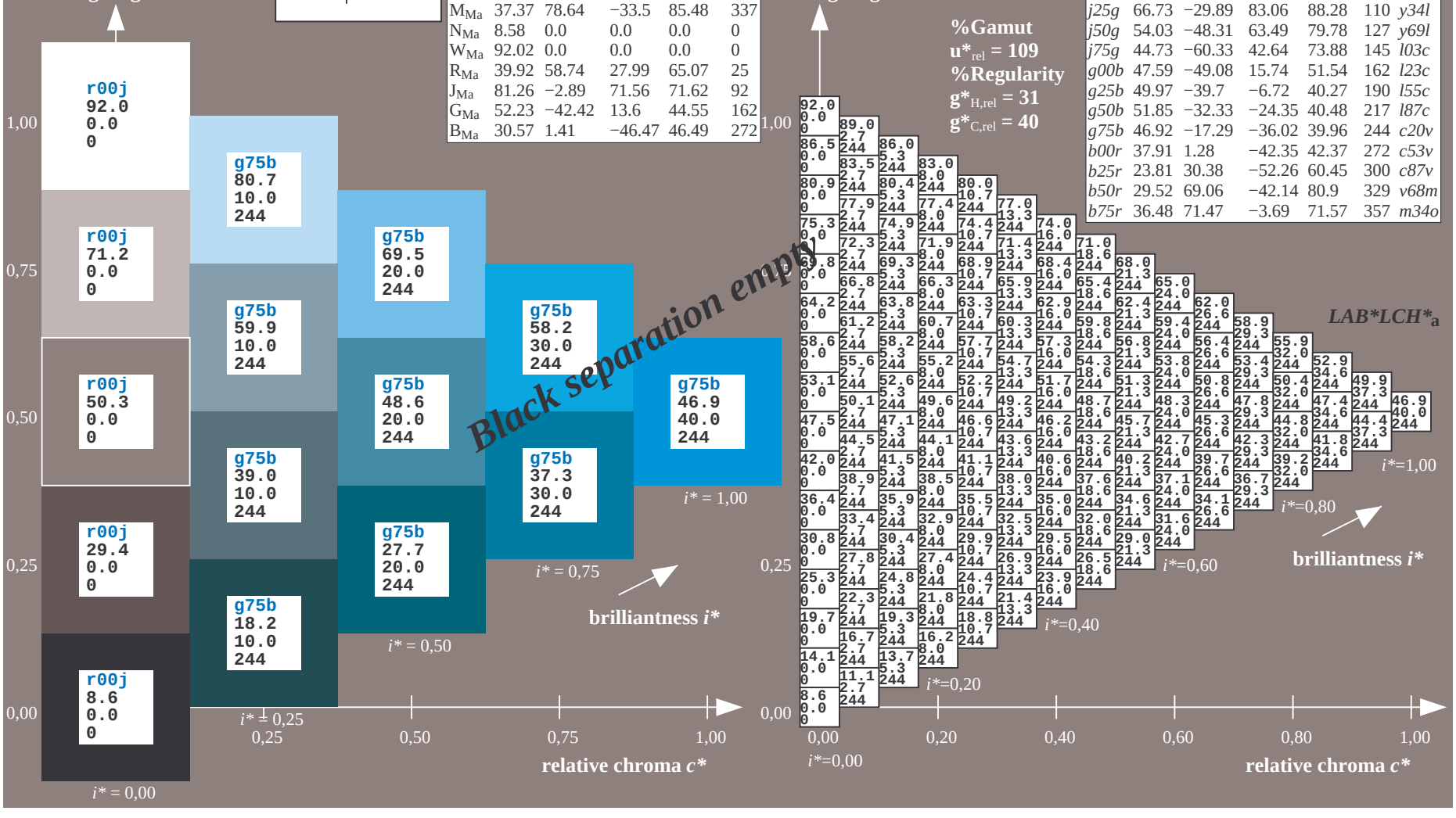
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

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

u*e = g75b
LAB*LCH*a

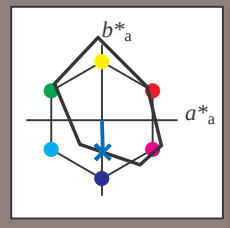
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

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_92aM; 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_{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	

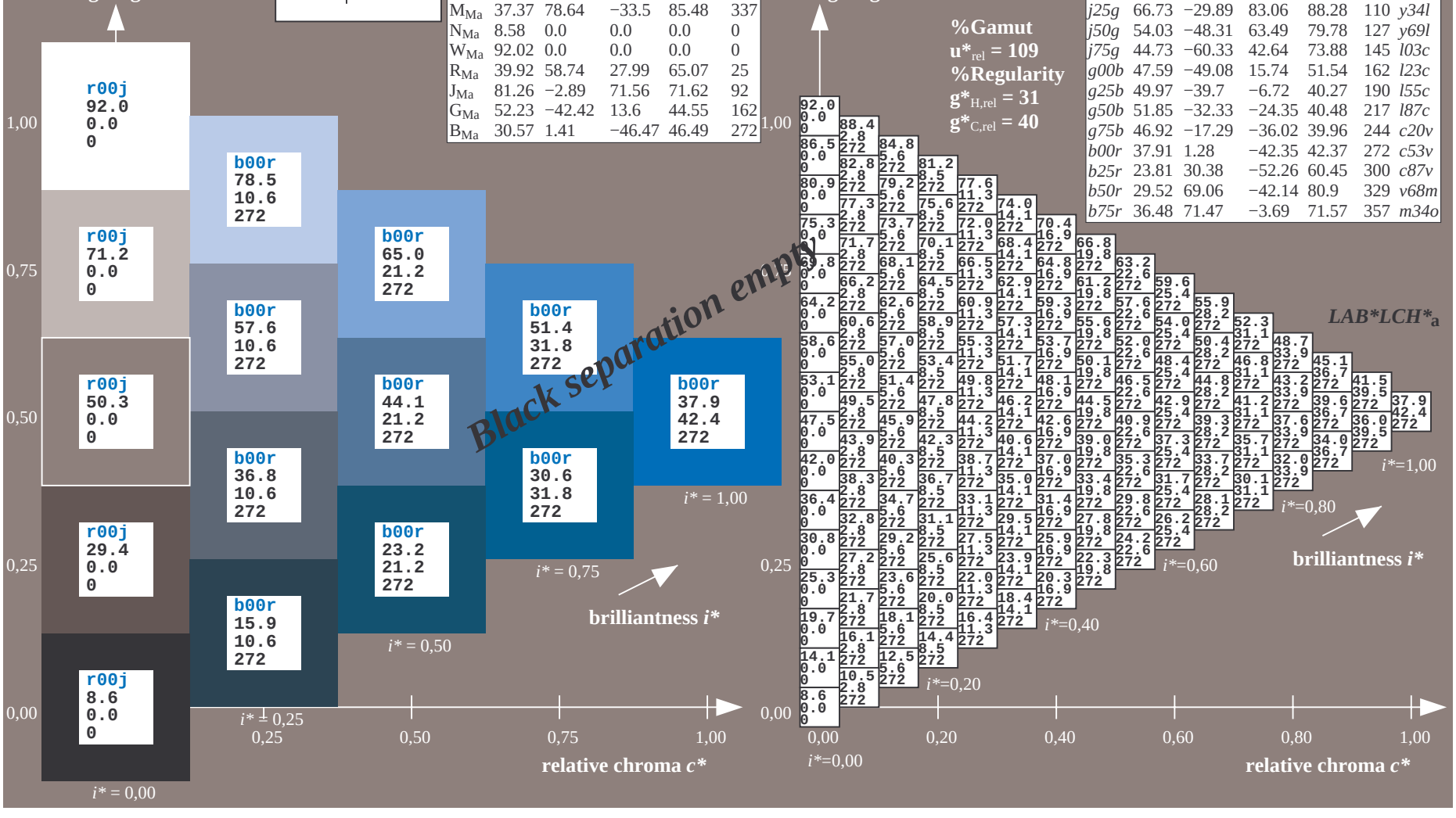
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 38 1 −42**
***LAB*LCH*Ma*: 38 42 271**
***lab*rgb*Ma*: 0.0 0.0 1.0**
***lab*olv*Ma*: 0.0 0.47 1.0**
triangle lightness *t**

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

$u^*_e = b00r$
LAB*LCH*a

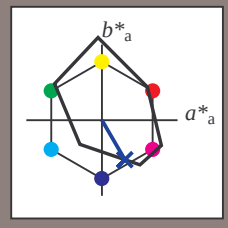
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; 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_{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

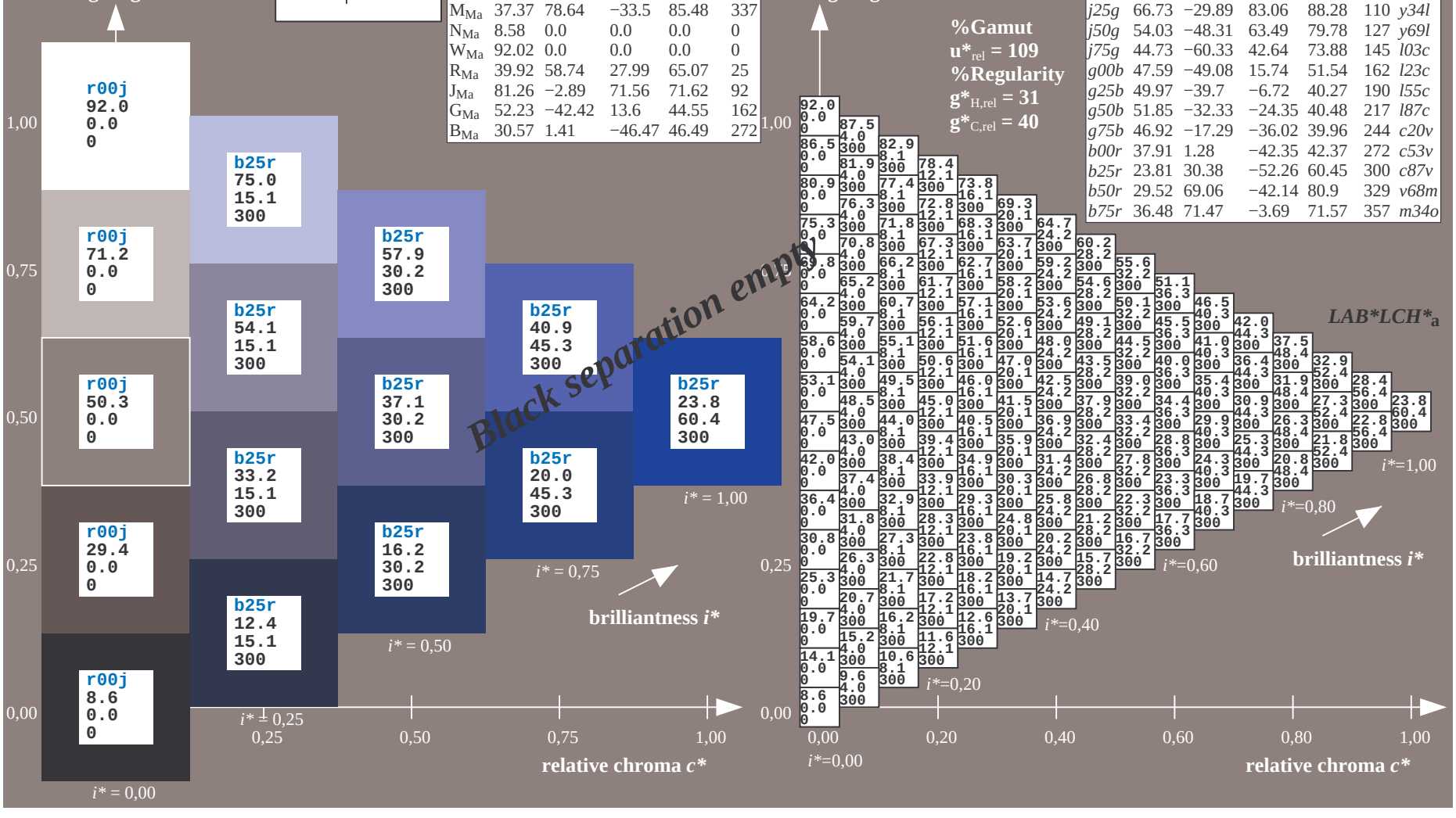
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 24 30 −52
LAB*LCH*$_{Ma}$: 24 60 300
lab*rgb*$_{Ma}$: 0.5 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.12 1.0
triangle lightness *t**

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

u^*_e = *b25r*
LAB*LCH*$^*_a$

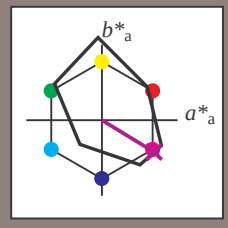
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

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_92aM; adapted (a) CIELAB data

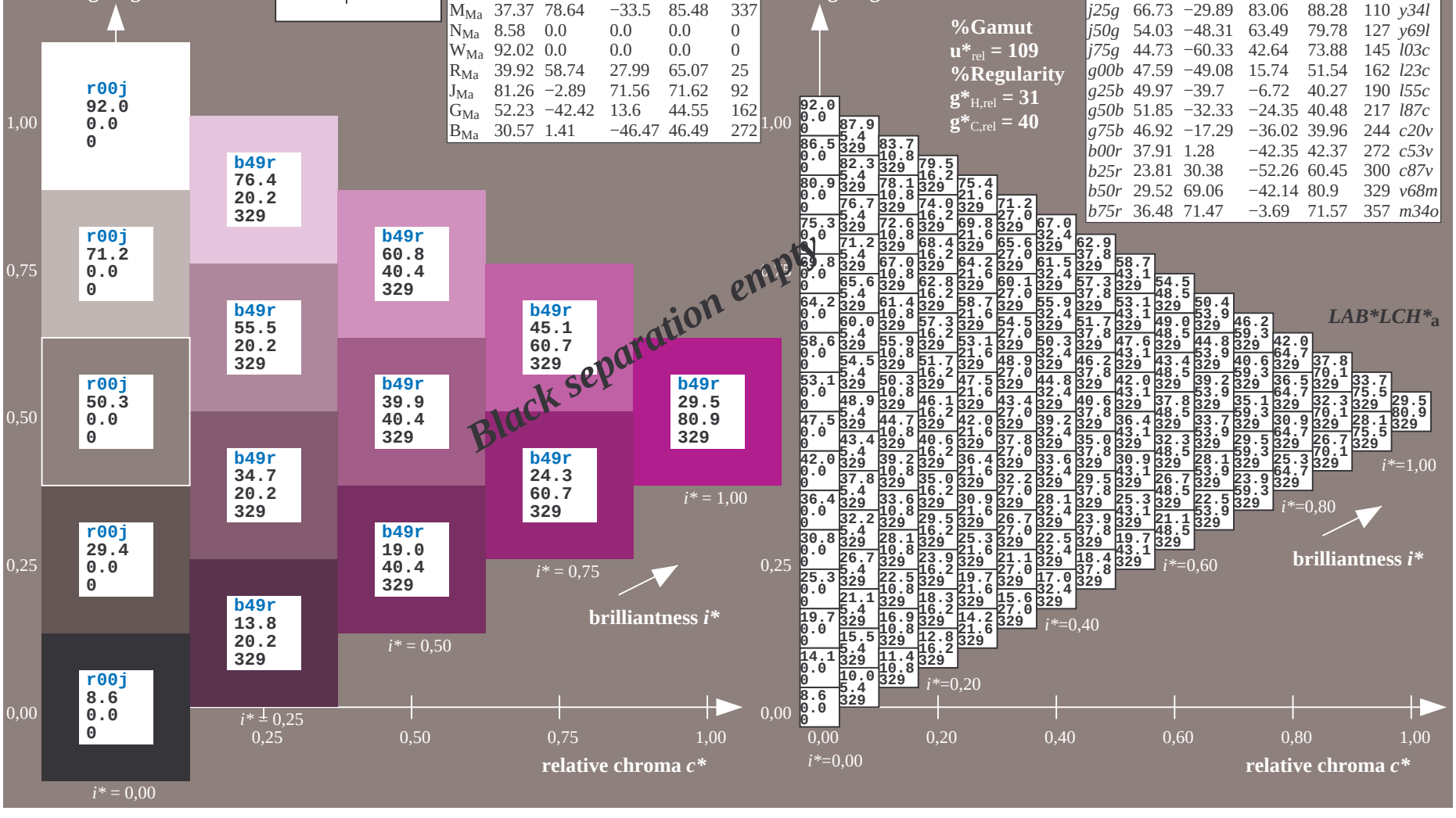
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

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

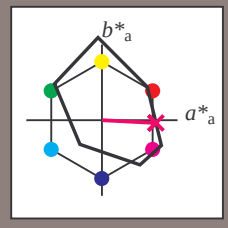
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; 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_{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

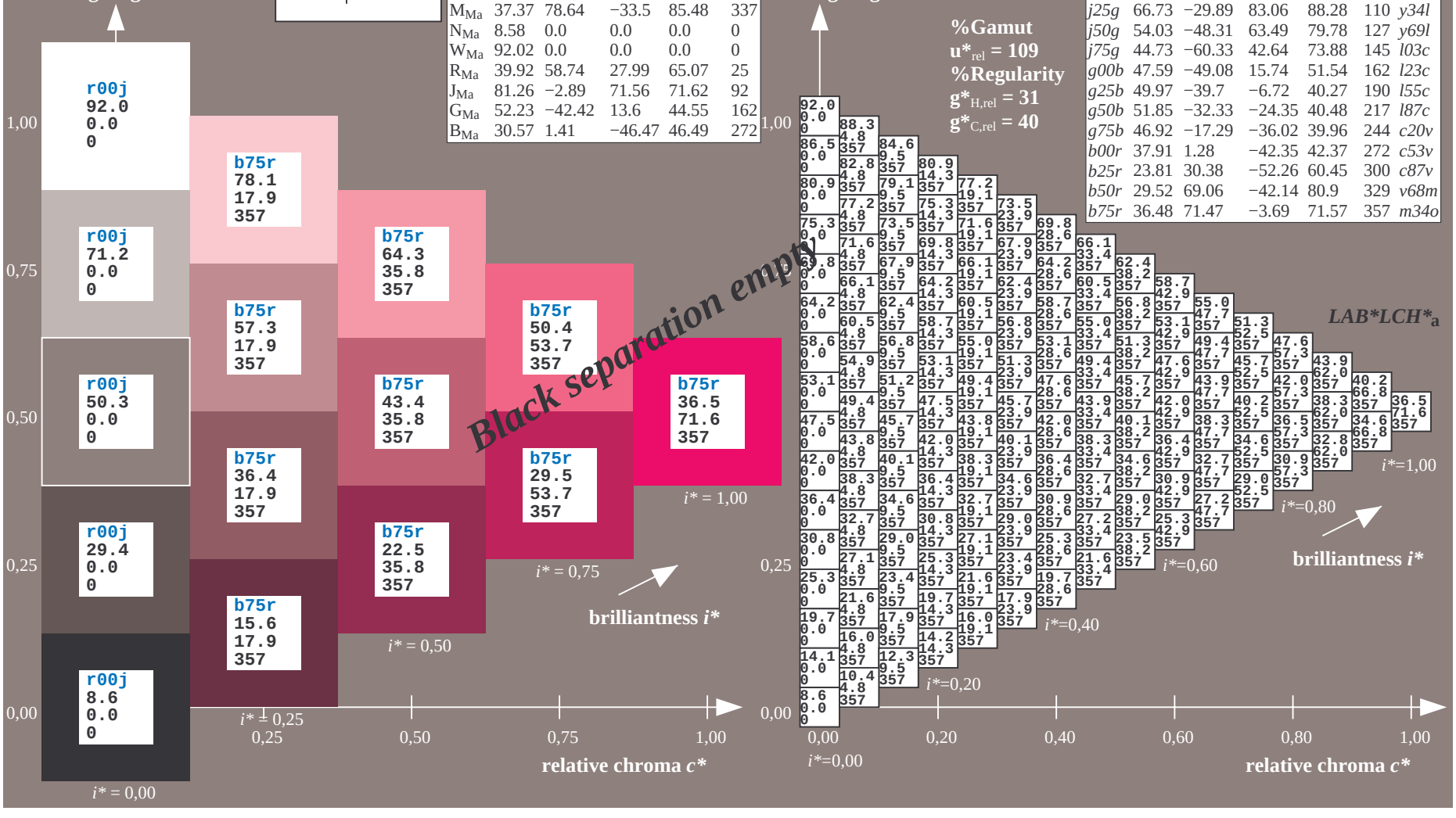
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

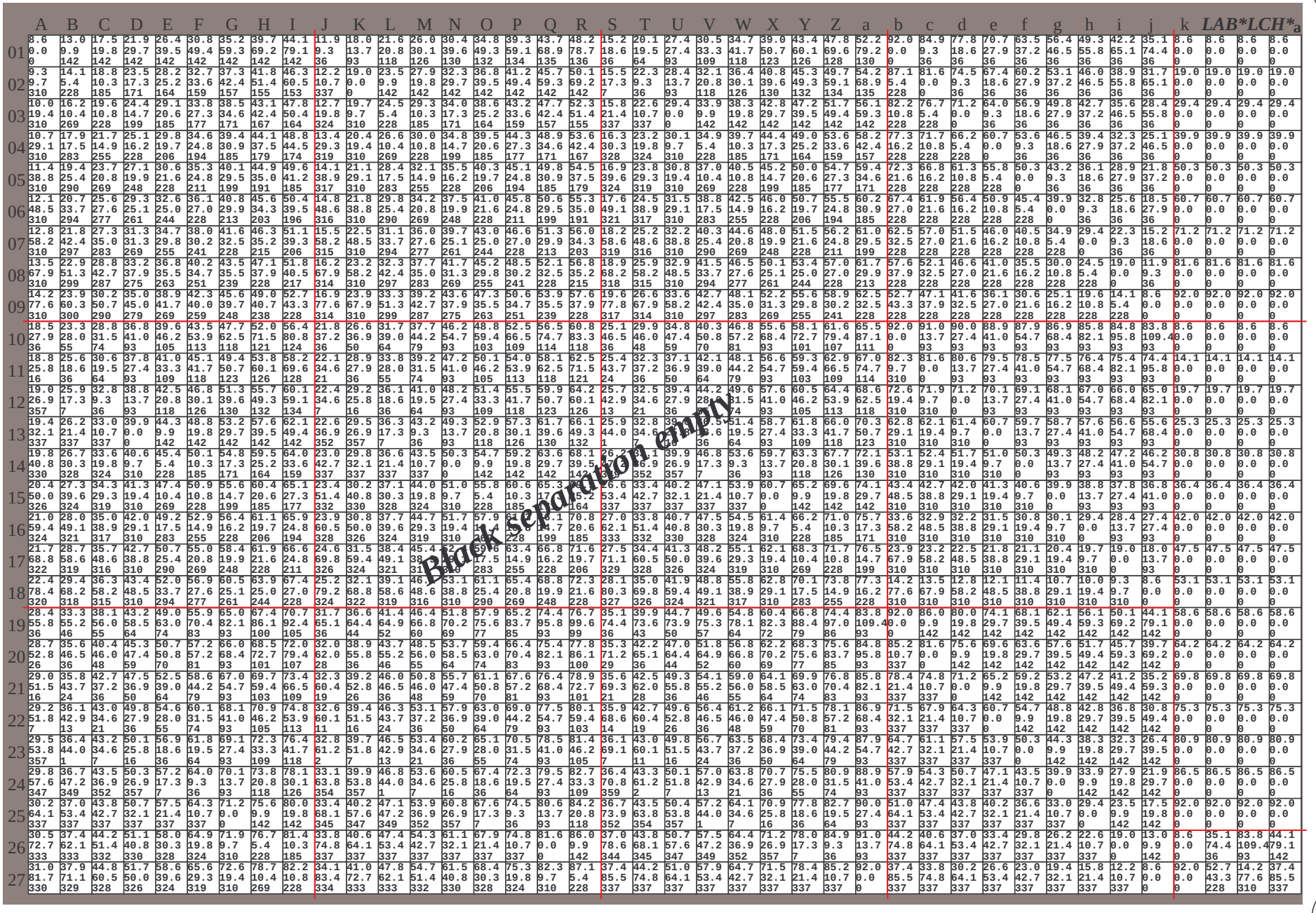
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*e = b75r
LAB*LCH*$^*_a$**

FRS09_92aM; 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*

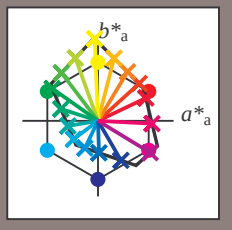




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

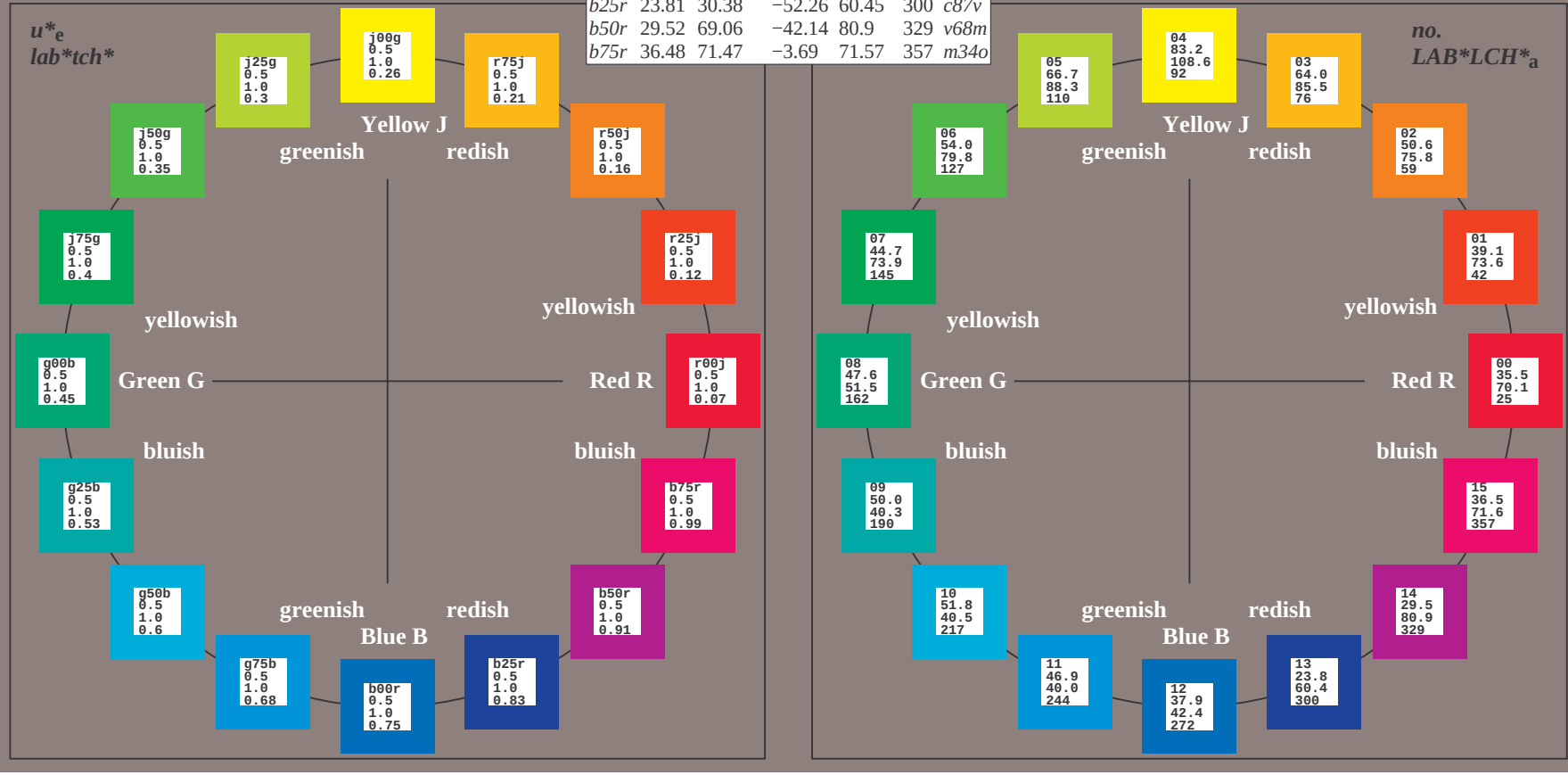
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

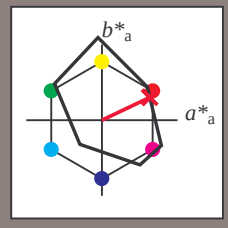
FRS09_92aM; adapted (a) CIELAB data

Name	*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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

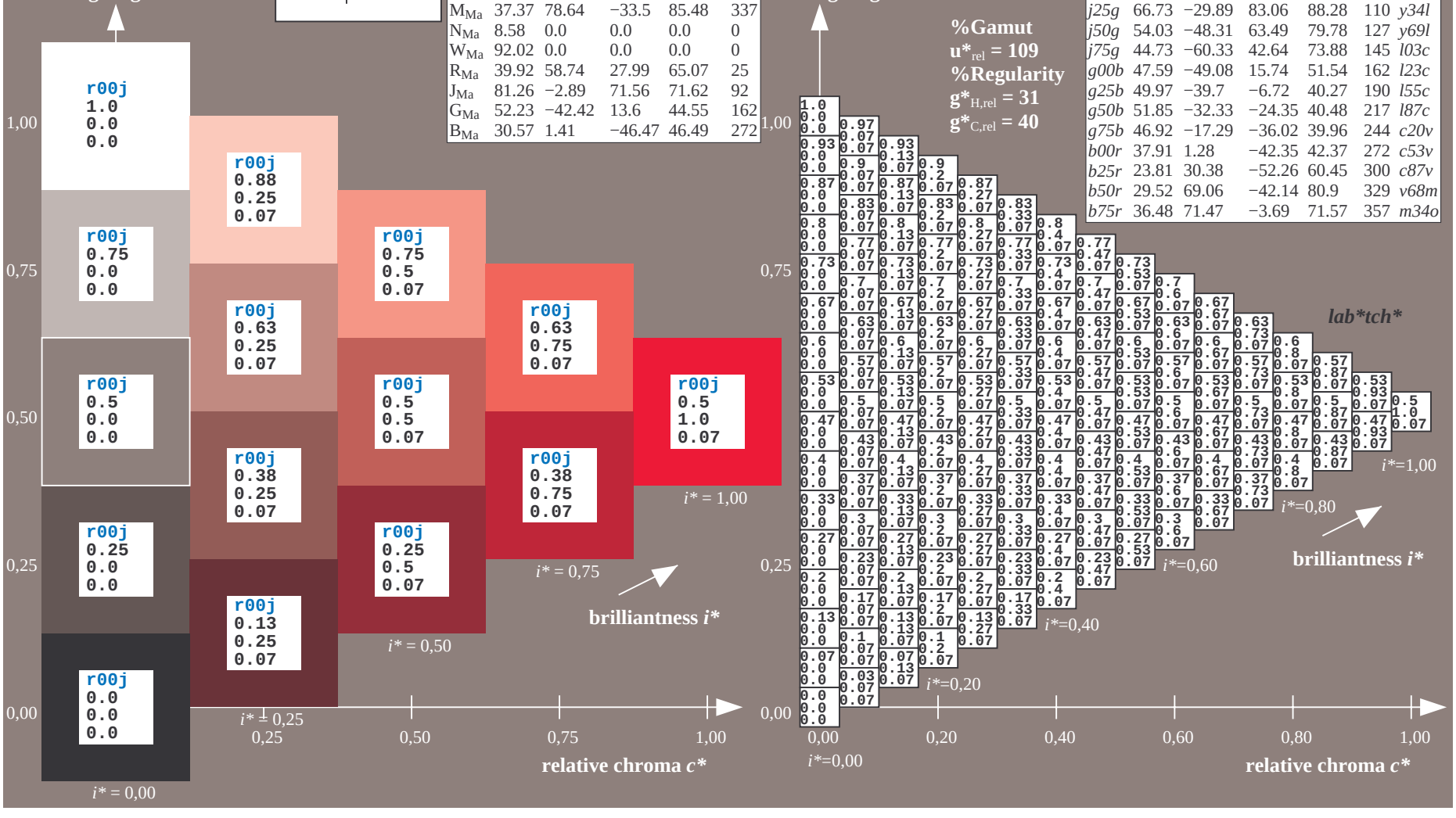
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u*e* = *r00j
lab*tch*

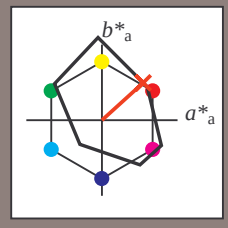
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

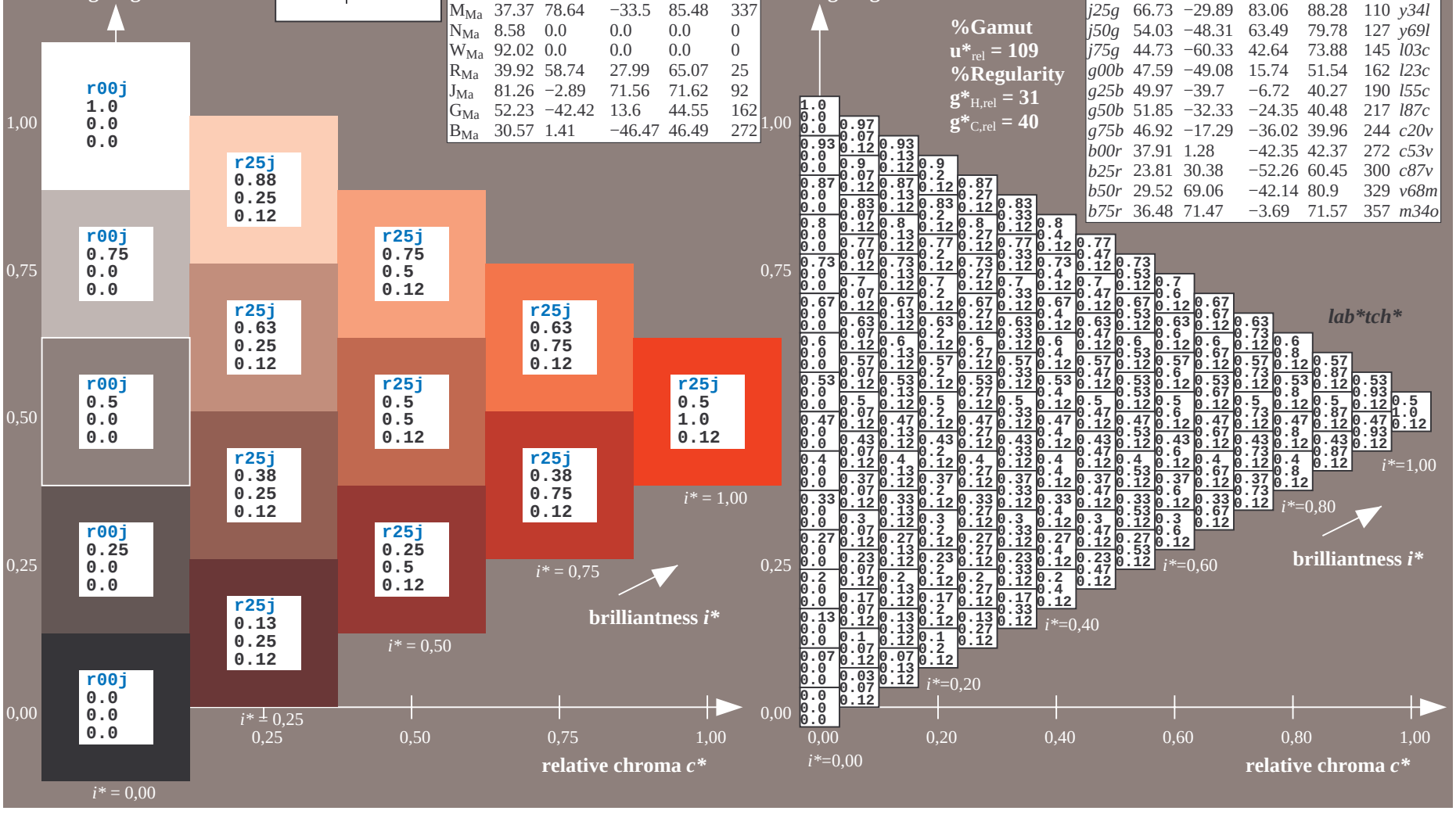
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 39 55 49**
***LAB*LCH**$_{Ma}$: 39 74 42**
***lab*rgb**$_{Ma}$: 1.0 0.25 0.0**
***lab*olv**$_{Ma}$: 1.0 0.11 0.0**
triangle lightness *t**

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

u^*_e = *r25j*
*lab*tch**

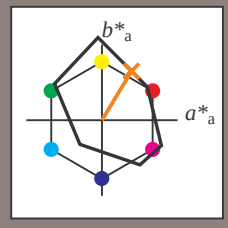
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*e* = *r50j* *u*d* = *o40y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

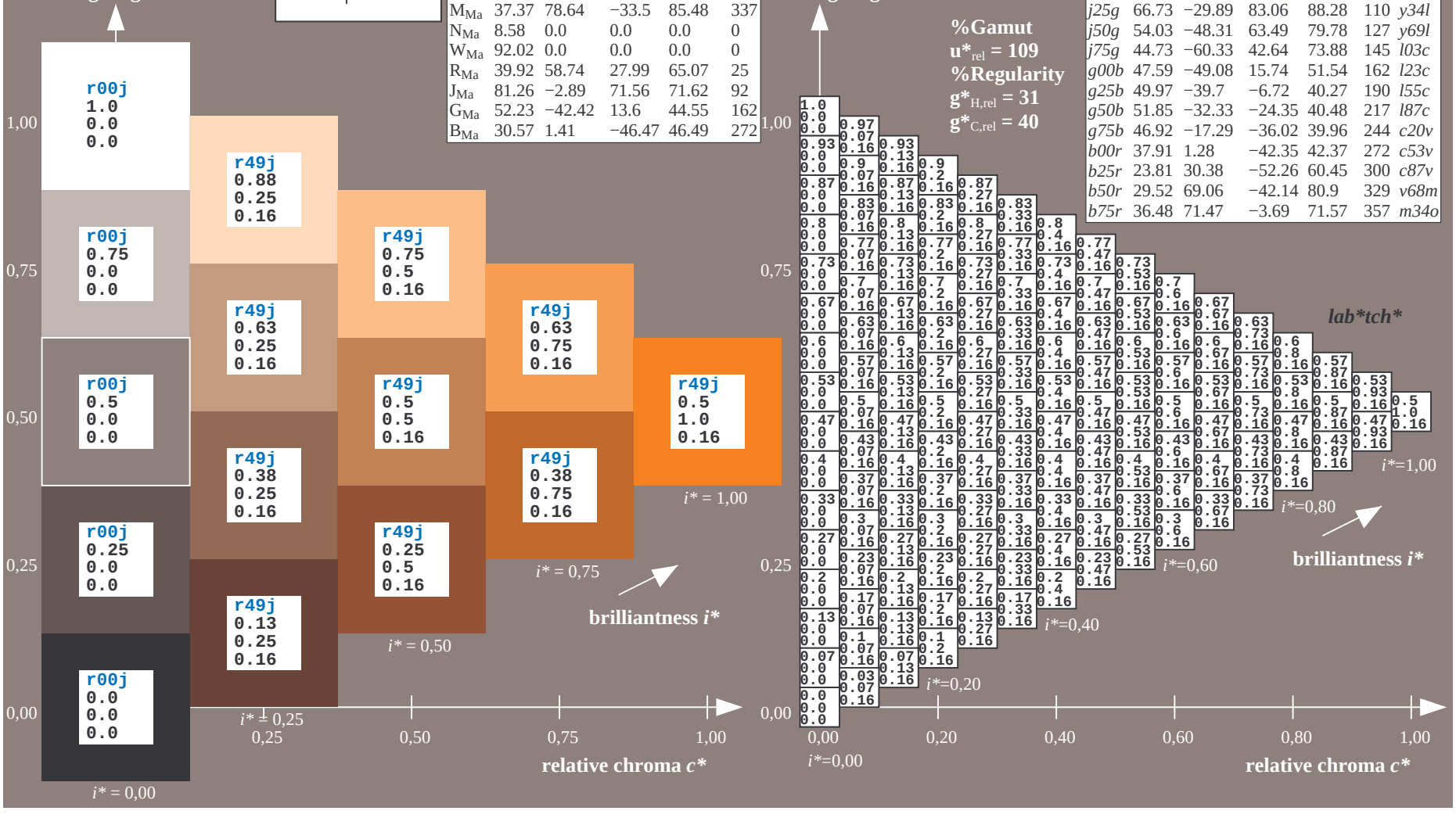
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 51 39 65**
***LAB*LCH**Ma*: 51 76 58**
***lab*rgb**Ma*: 1.0 0.5 0.0**
***lab*olv**Ma*: 1.0 0.4 0.0**
triangle lightness *t**

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

u*e* = *r50j
lab*tch*

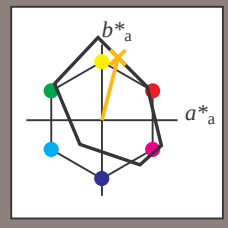
FRS09_92aM; adapted (a) CIELAB data

*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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

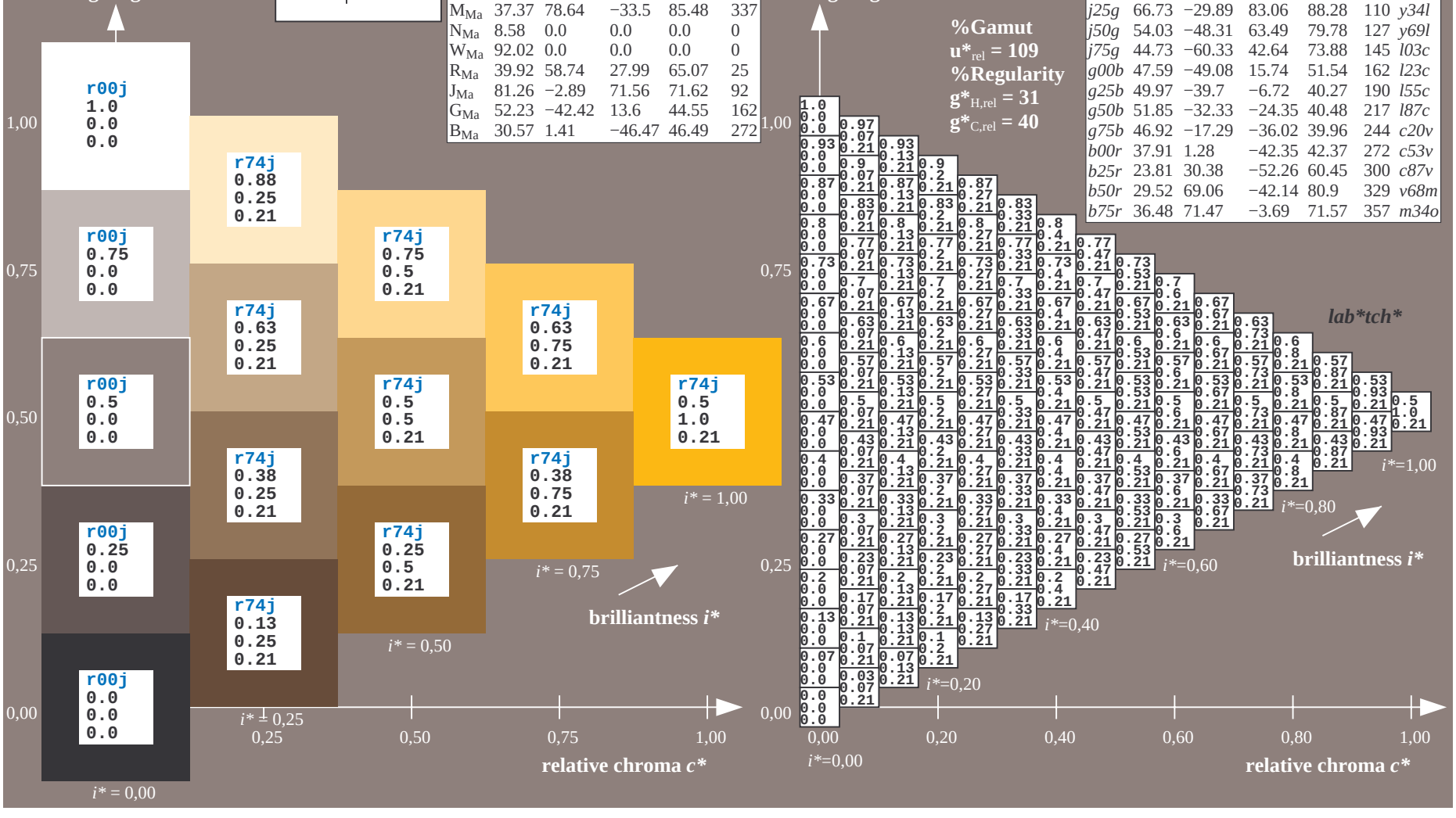
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 64 21 83**
***LAB*LCH**$_{Ma}$: 64 86 75**
***lab*rgb**$_{Ma}$: 1.0 0.75 0.0**
***lab*olv**$_{Ma}$: 1.0 0.7 0.0**
triangle lightness *t**

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

u^*_e = *r75j*
*lab*tch**

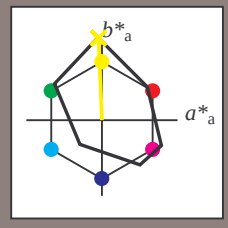
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

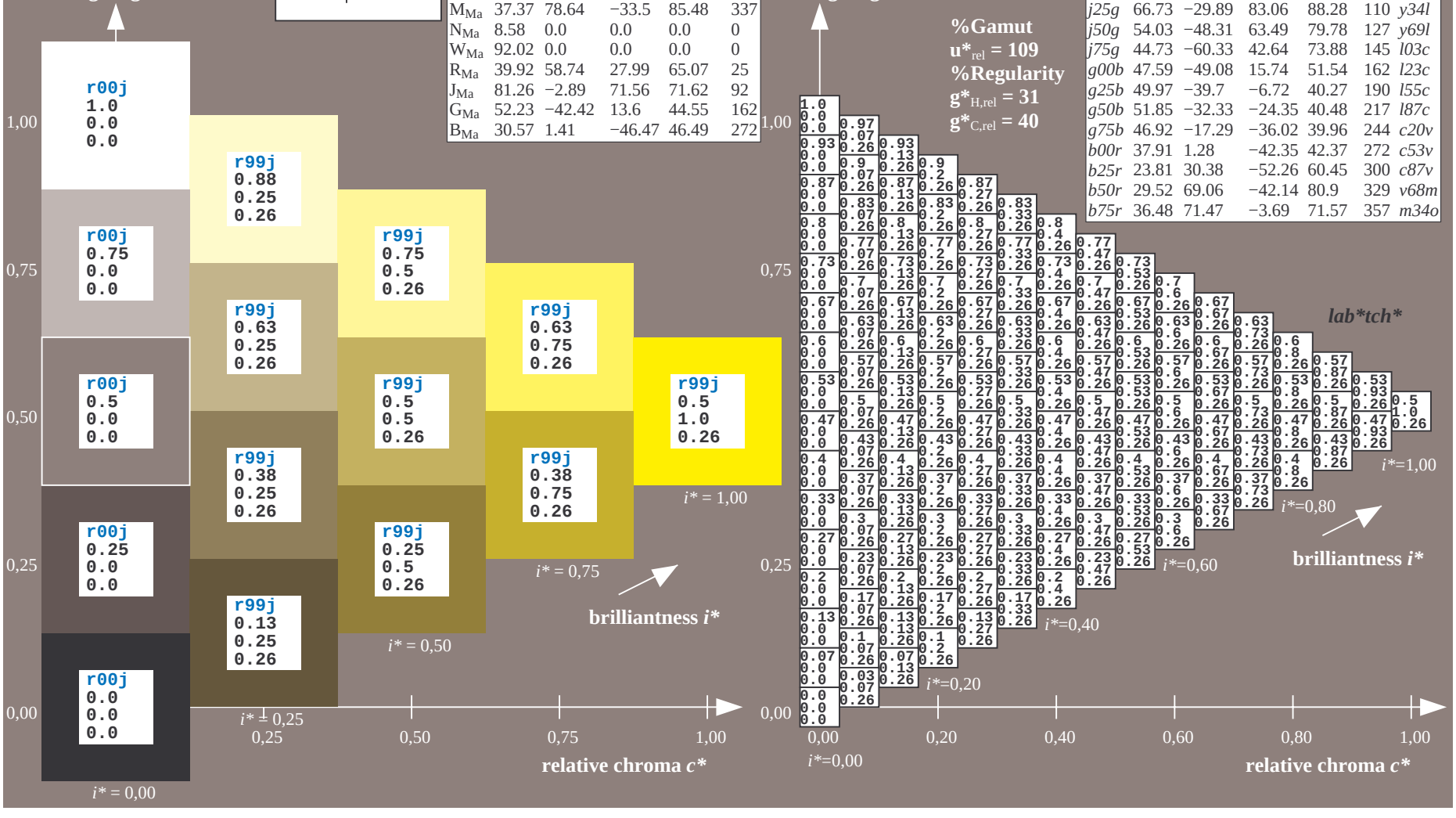
Data for maximum colour (Ma):
***LAB*LAB**Ma: 83 −4 109**
***LAB*LCH**Ma: 83 109 92**
***lab*rgb**Ma: 1.0 1.0 0.0**
***lab*olv**Ma: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
*lab*tch**

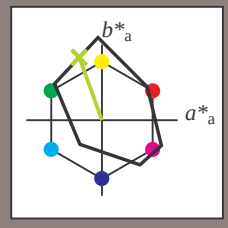
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u*e = j25g* *u*d = y34l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

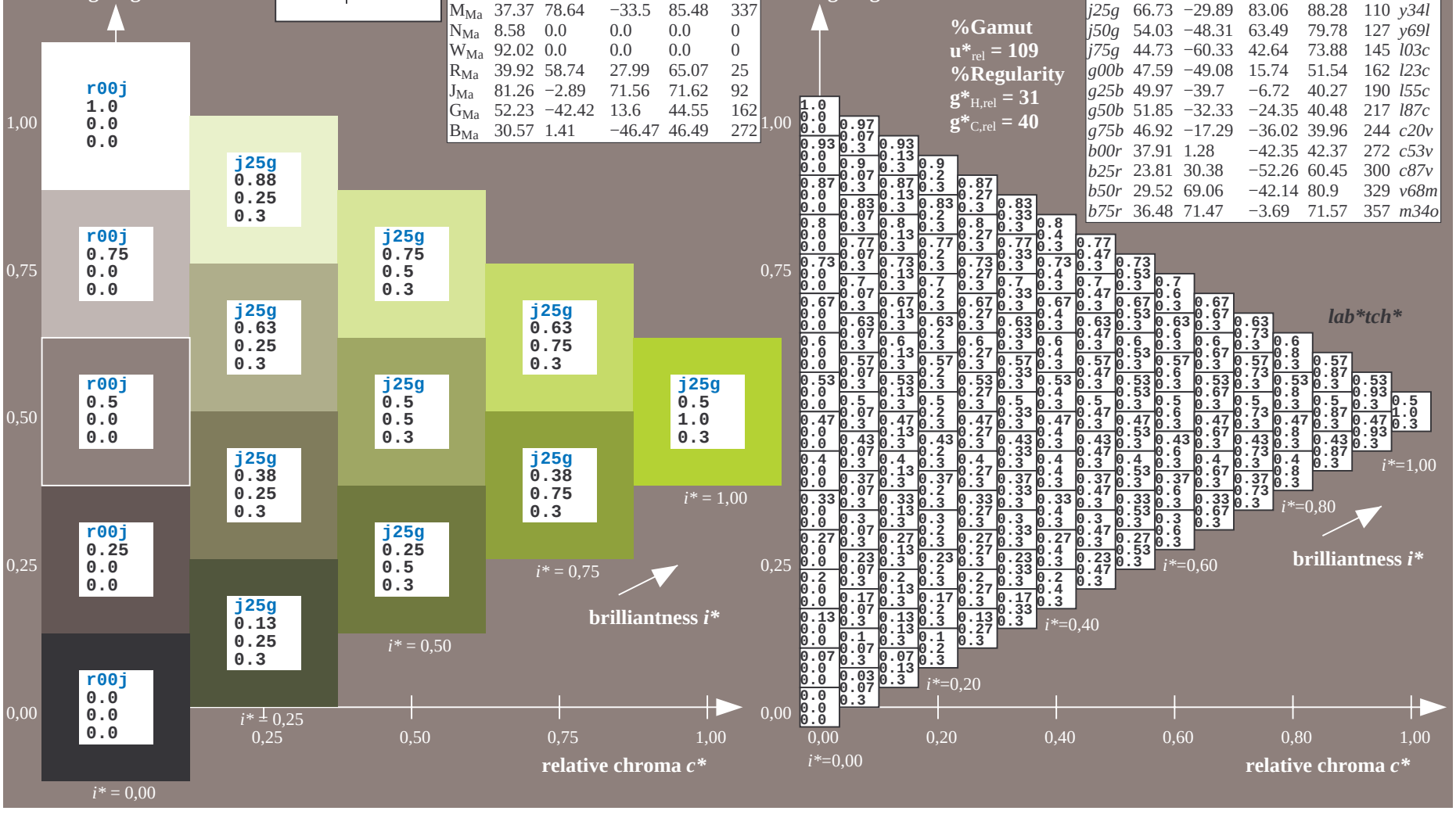
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 67 −30 83**
***LAB*LCH**Ma*: 67 88 109**
***lab*rgb**Ma*: 0.75 1.0 0.0**
***lab*olv**Ma*: 0.66 1.0 0.0**
triangle lightness *t**

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

u*e = j25g
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

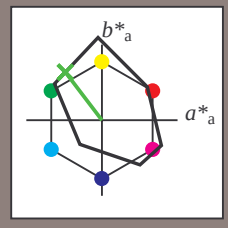
*u**e	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a	*u**d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u*e* = *j50g* *u*d* = *y69l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

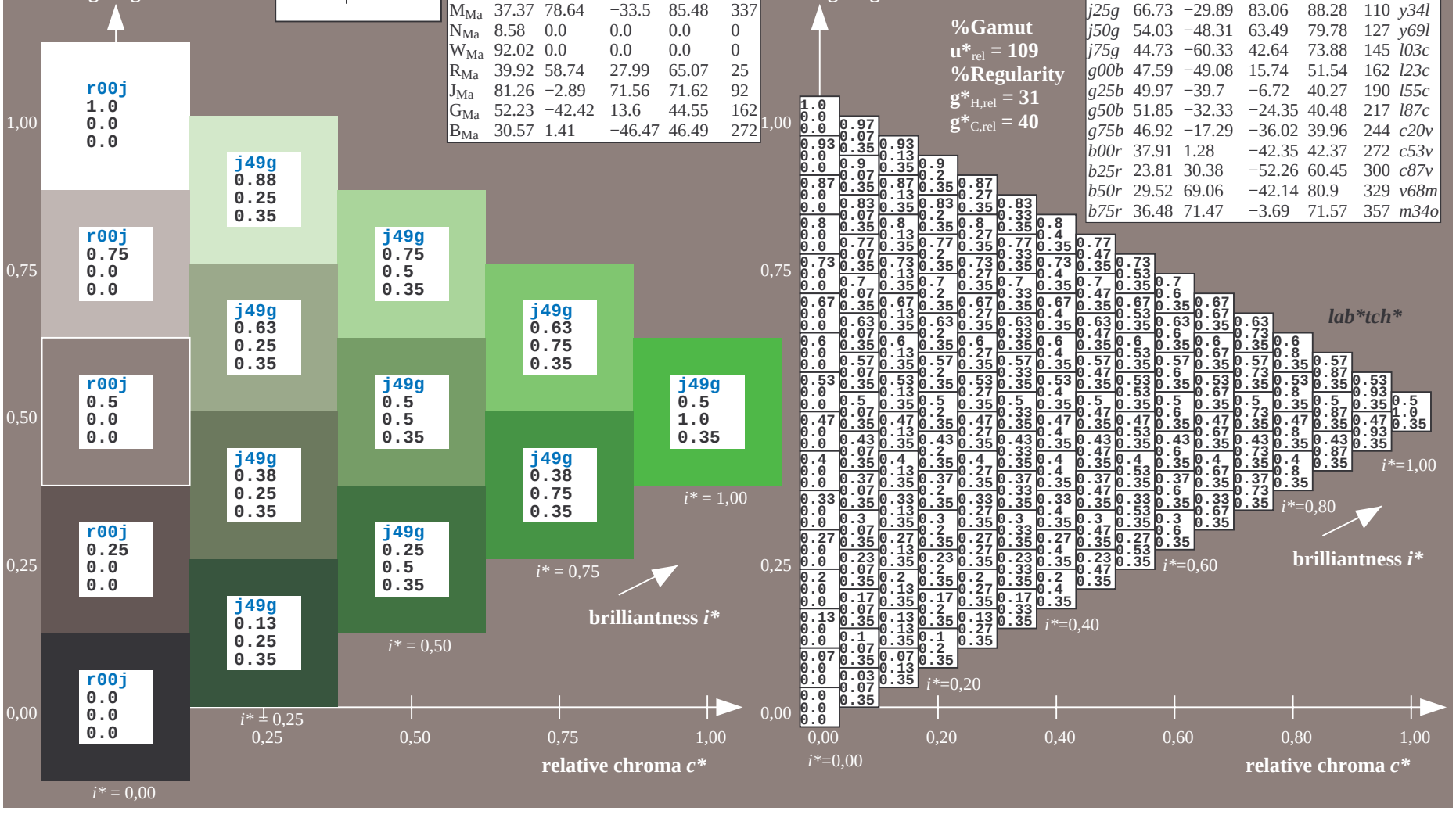
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 54 −48 63**
***LAB*LCH**Ma*: 54 80 127**
***lab*rgb**Ma*: 0.5 1.0 0.0**
***lab*olv**Ma*: 0.3 1.0 0.0**
triangle lightness *t**

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

u*e* = *j50g
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

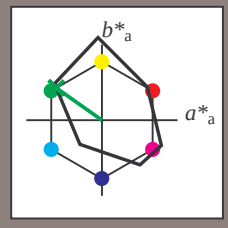
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

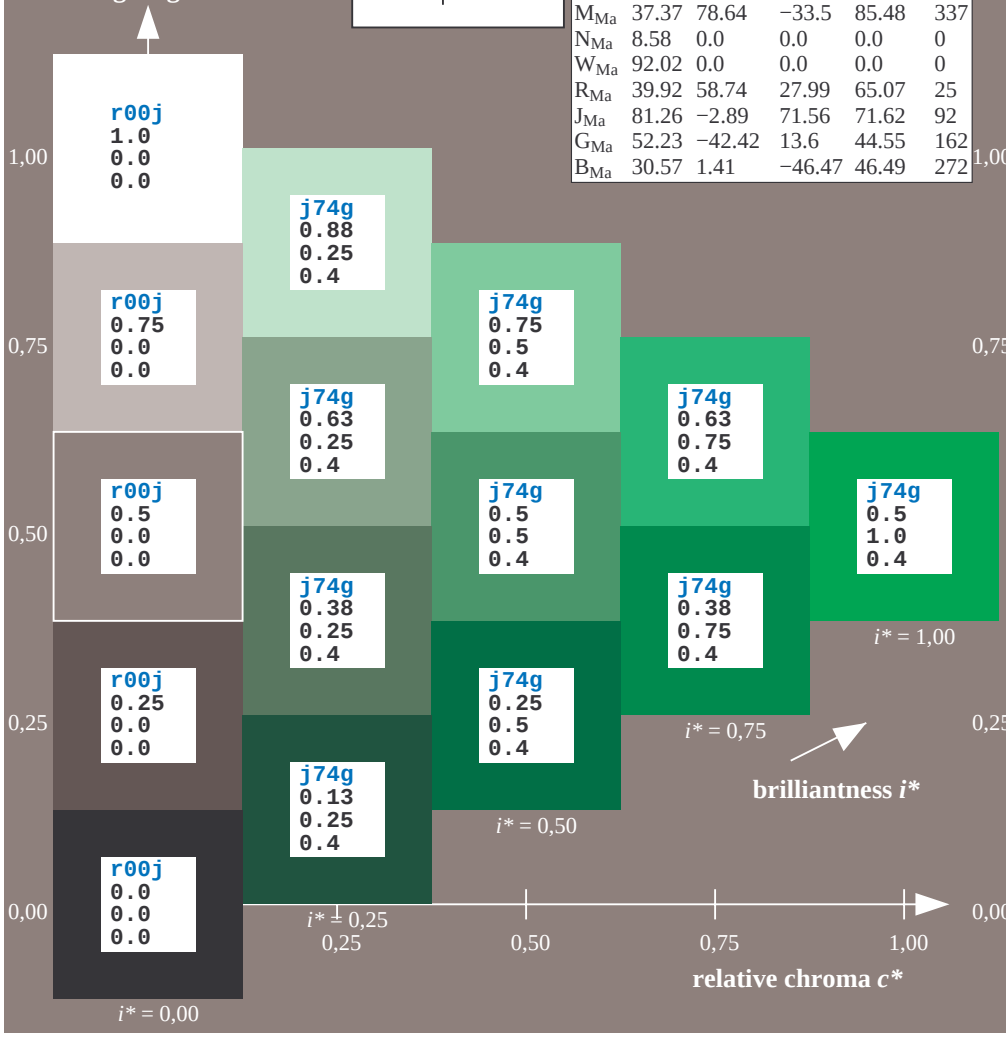
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 45 −60 43**
***LAB*LCH**$_{Ma}$: 45 74 144**
***lab*rgb**$_{Ma}$: 0.25 1.0 0.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.03**
triangle lightness *t**

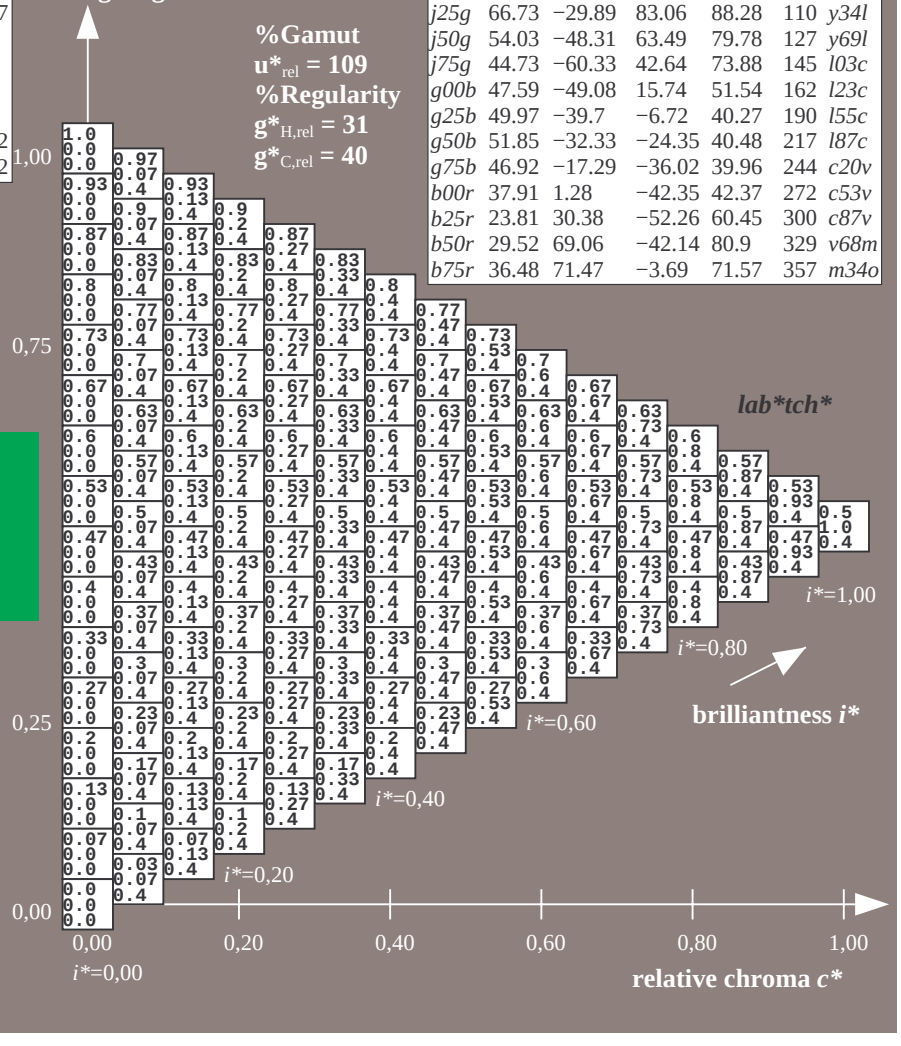
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *j75g*
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

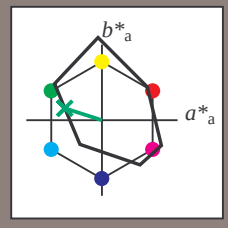
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; adapted (a) CIELAB data

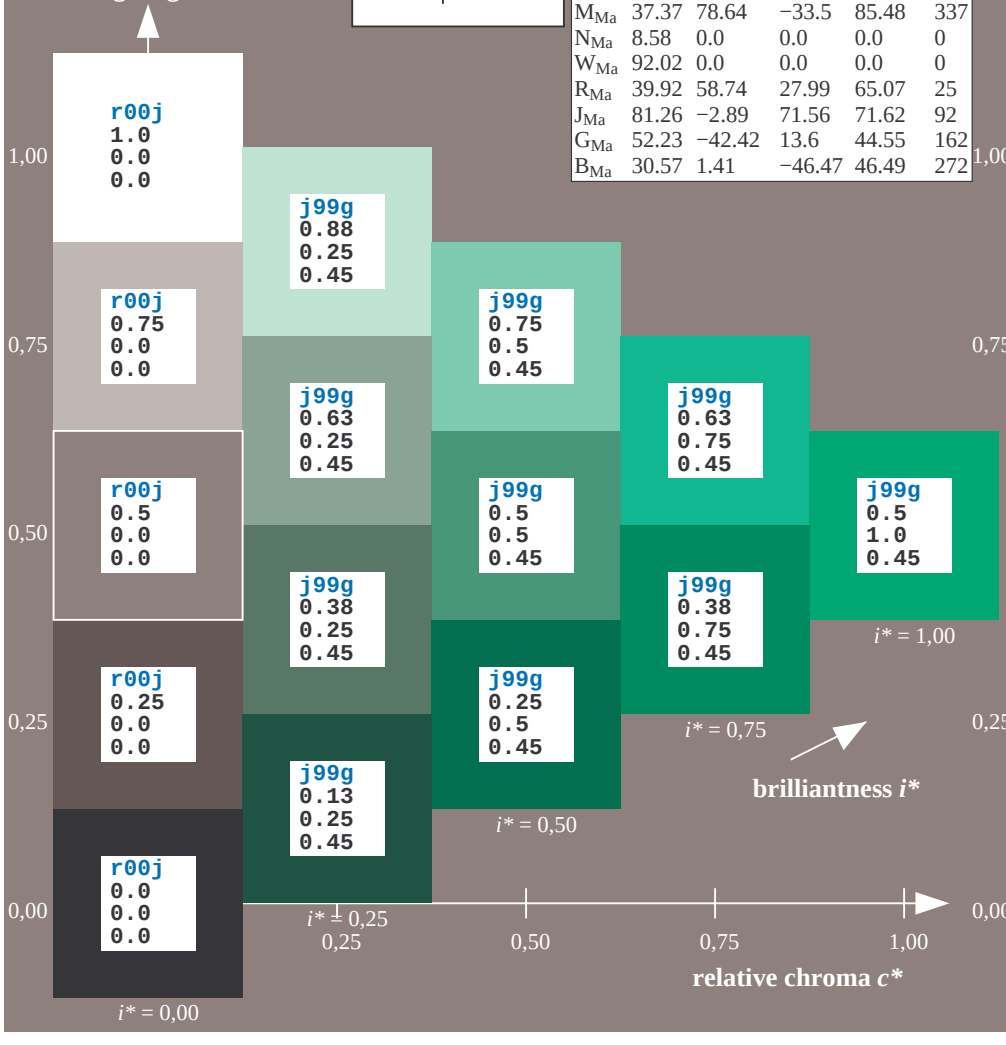
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

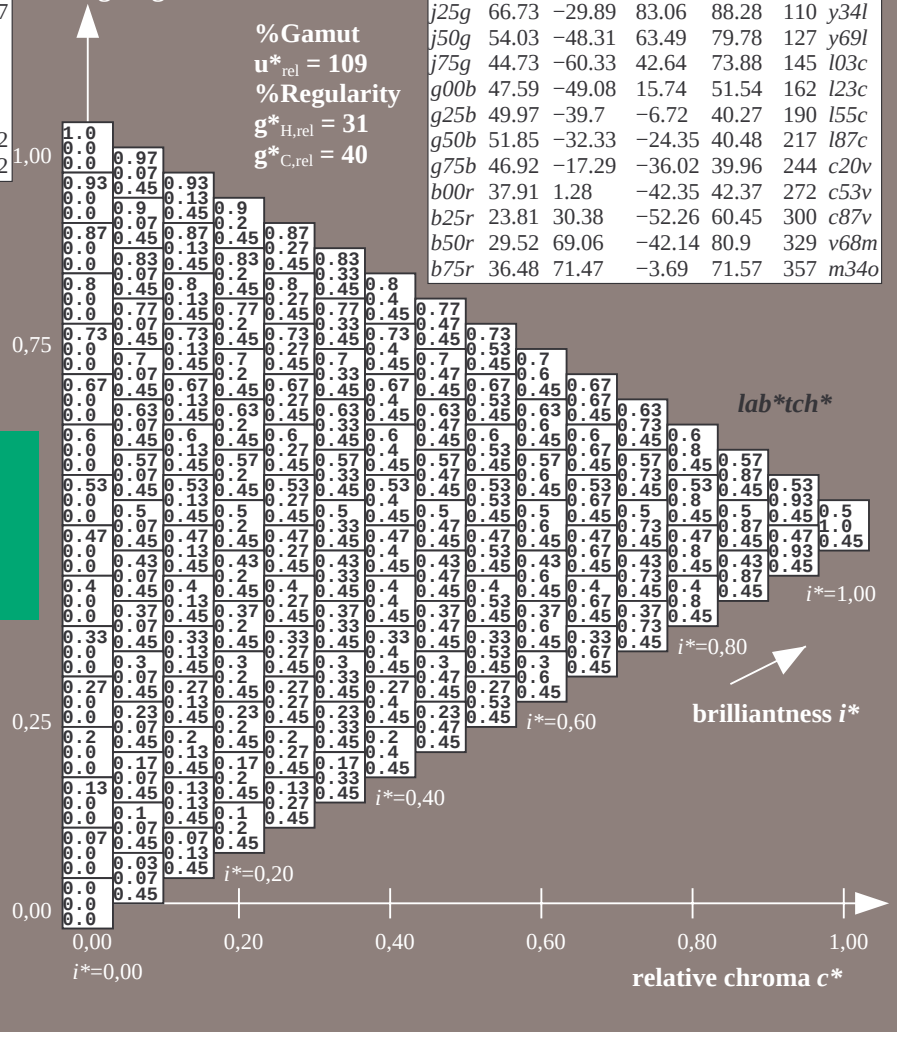
Data for maximum colour (Ma):
***LAB*LAB**$_{Ma}$: 48 −49 16**
***LAB*LCH**$_{Ma}$: 48 52 162**
***lab*rgb**$_{Ma}$: 0.0 1.0 0.0**
***lab*olv**$_{Ma}$: 0.0 1.0 0.23**
triangle lightness *t**

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

FRS09_92aM; adapted (a) CIELAB data

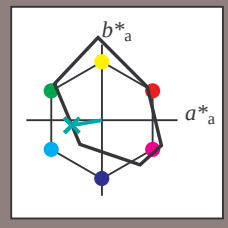
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; 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_{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

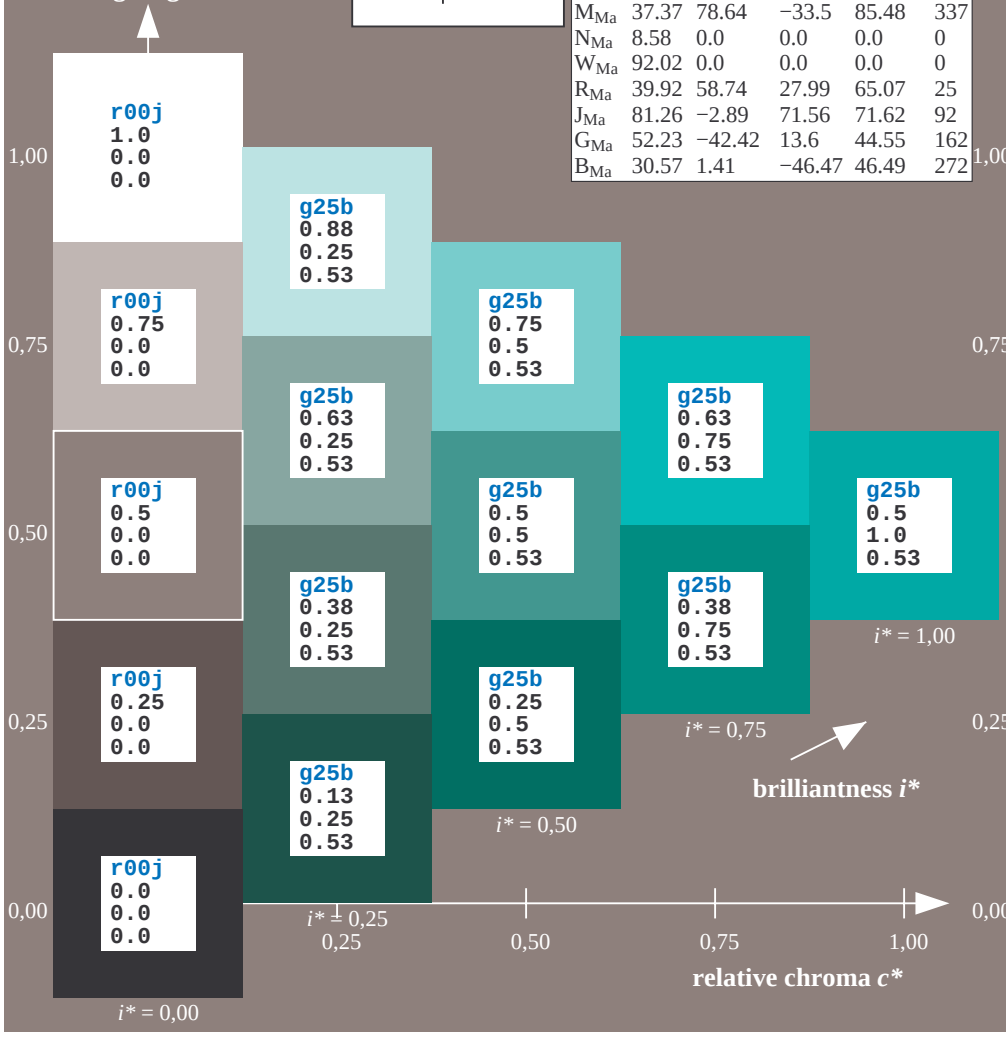
Data for maximum colour (Ma):
***LAB*LAB**Ma: 50 −40 −7**
***LAB*LCH**Ma: 50 40 189**
***lab*rgb**Ma: 0.0 1.0 0.5**
***lab*olv**Ma: 0.0 1.0 0.55**
triangle lightness *t**

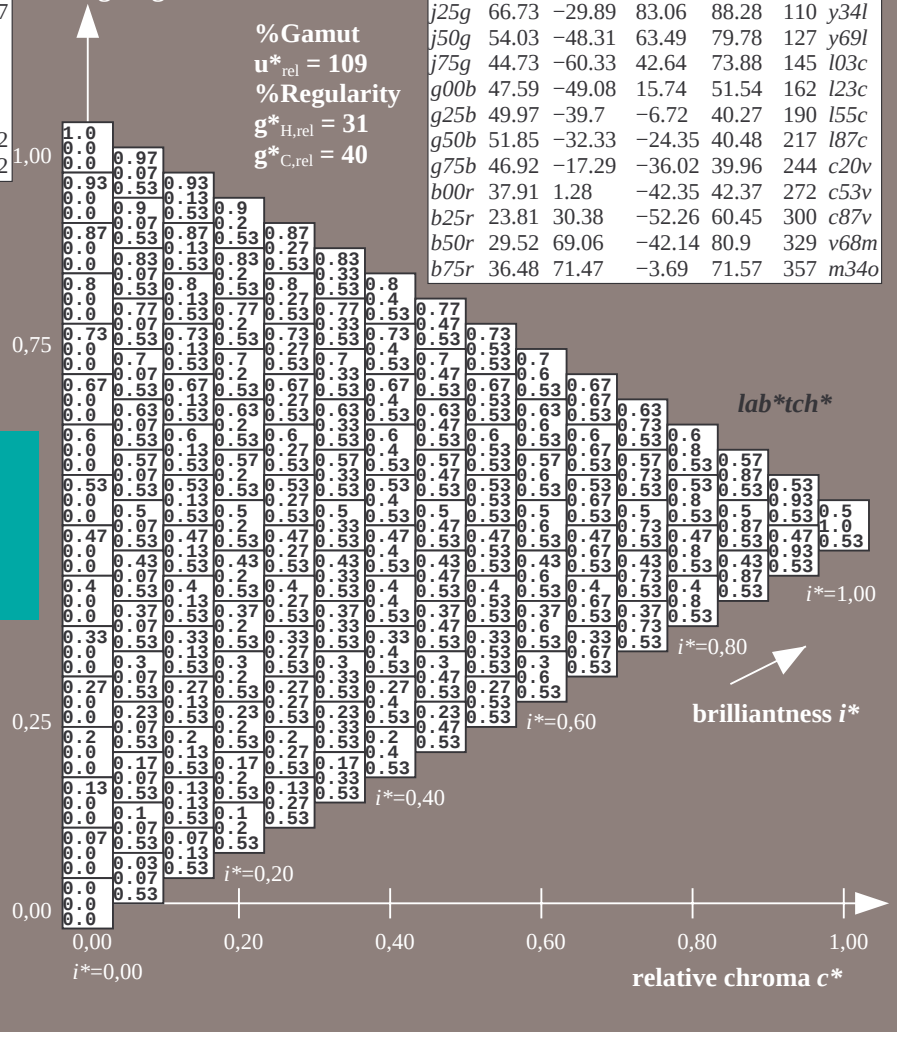
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g25b*
*lab*tch**

FRS09_92aM; adapted (a) CIELAB data

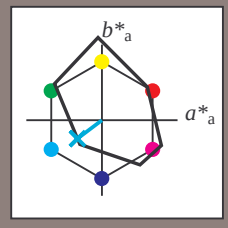
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; 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_{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

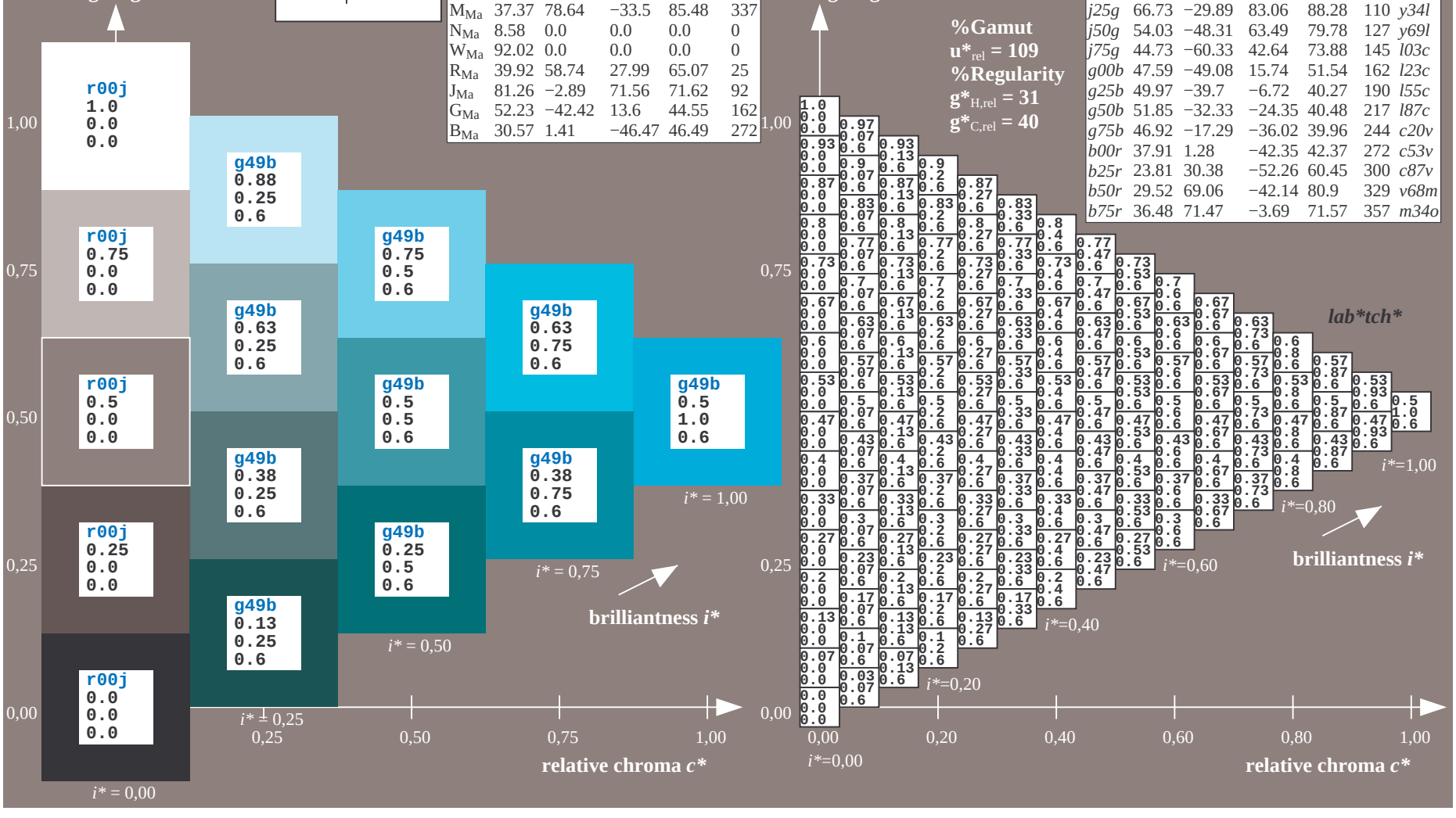
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 52 −32 −24
LAB*LCH*$_{Ma}$: 52 40 216
lab*rgb*$_{Ma}$: 0.0 1.0 1.0
lab*olv*$_{Ma}$: 0.0 1.0 0.87
triangle lightness *t**

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

u^*_e = *g50b*
lab*tch*

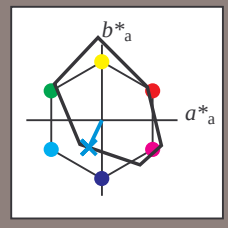
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

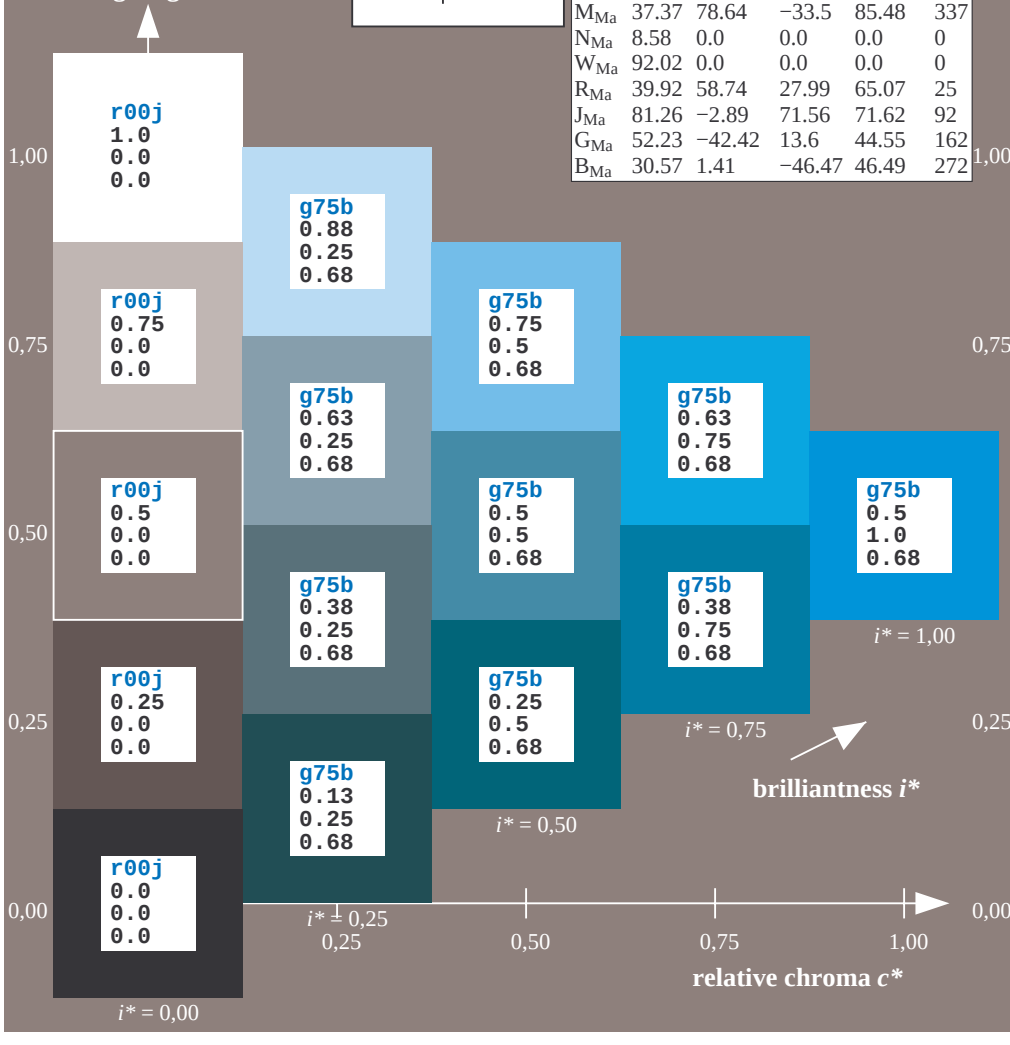
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 47 −17 −36**
***LAB*LCH*Ma*: 47 40 244**
***lab*rgb*Ma*: 0.0 0.5 1.0**
***lab*olv*Ma*: 0.0 0.8 1.0**
triangle lightness *t**

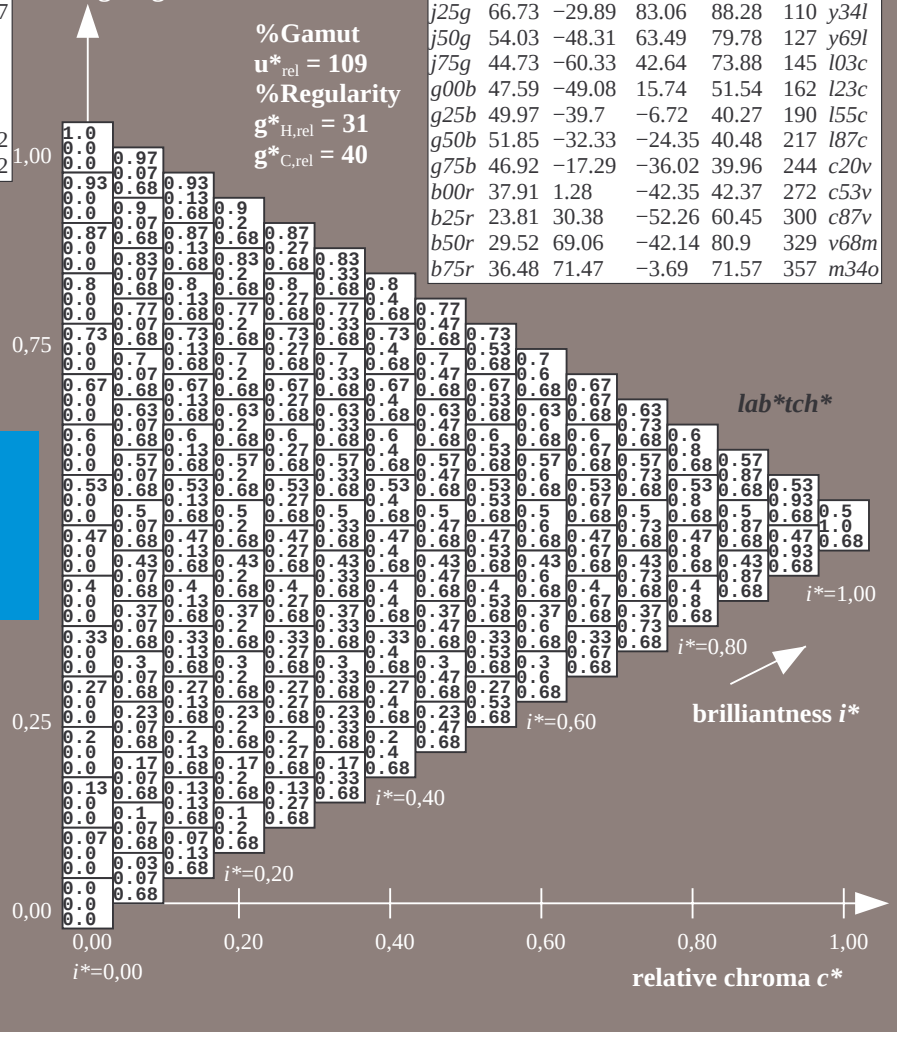
u*e = g75b
lab*tch*

FRS09_92aM; 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*

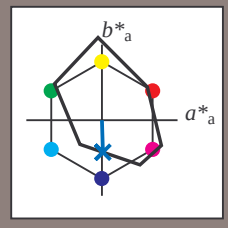
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; 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_{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

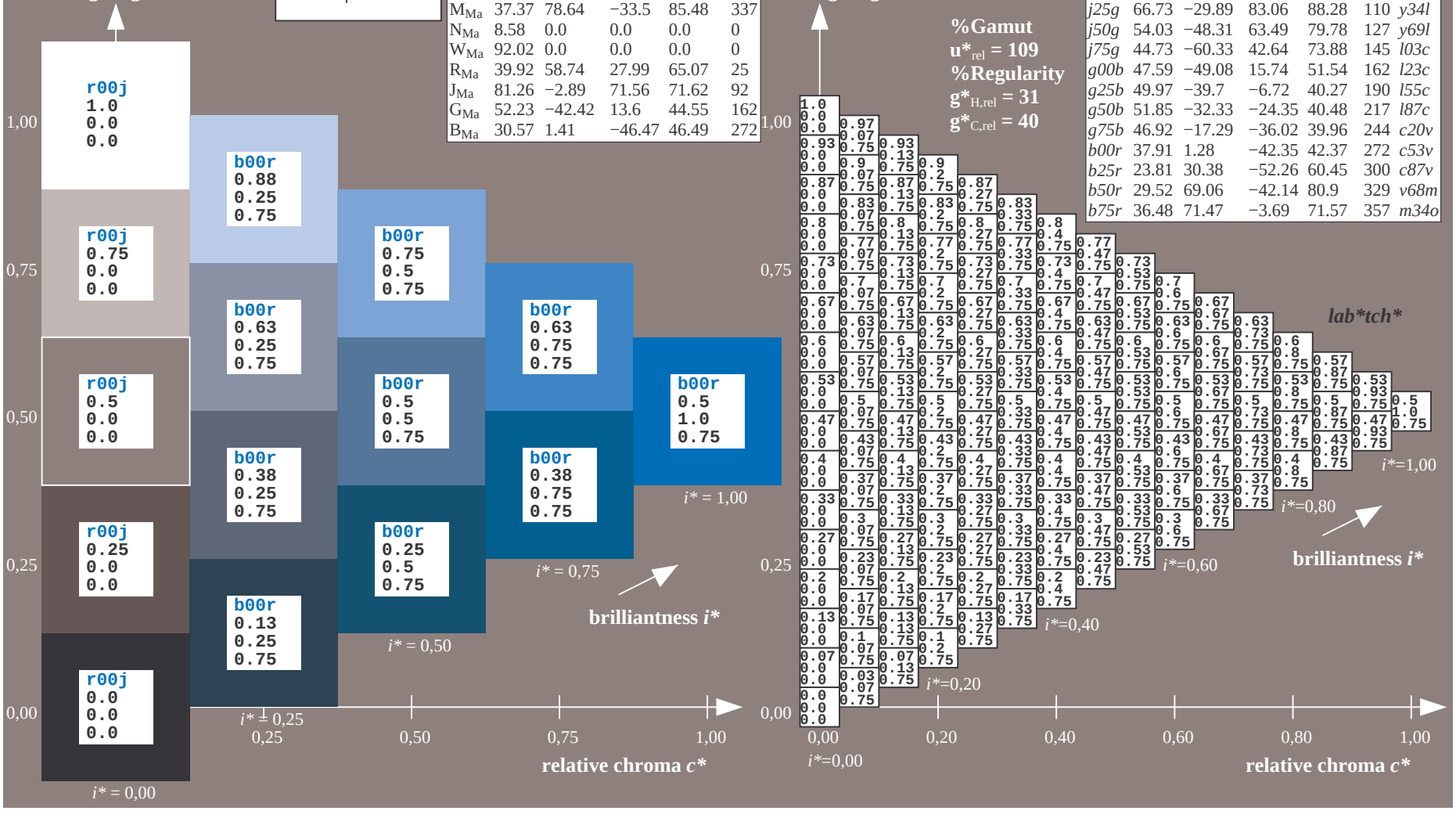
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 38 1 −42
LAB*LCH*$_{Ma}$: 38 42 271
lab*rgb*$_{Ma}$: 0.0 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.47 1.0
triangle lightness *t**

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

u^*_e = *b00r*
lab*tch*

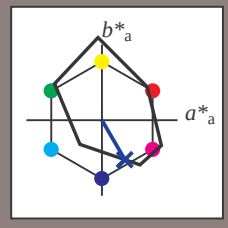
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; 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_{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

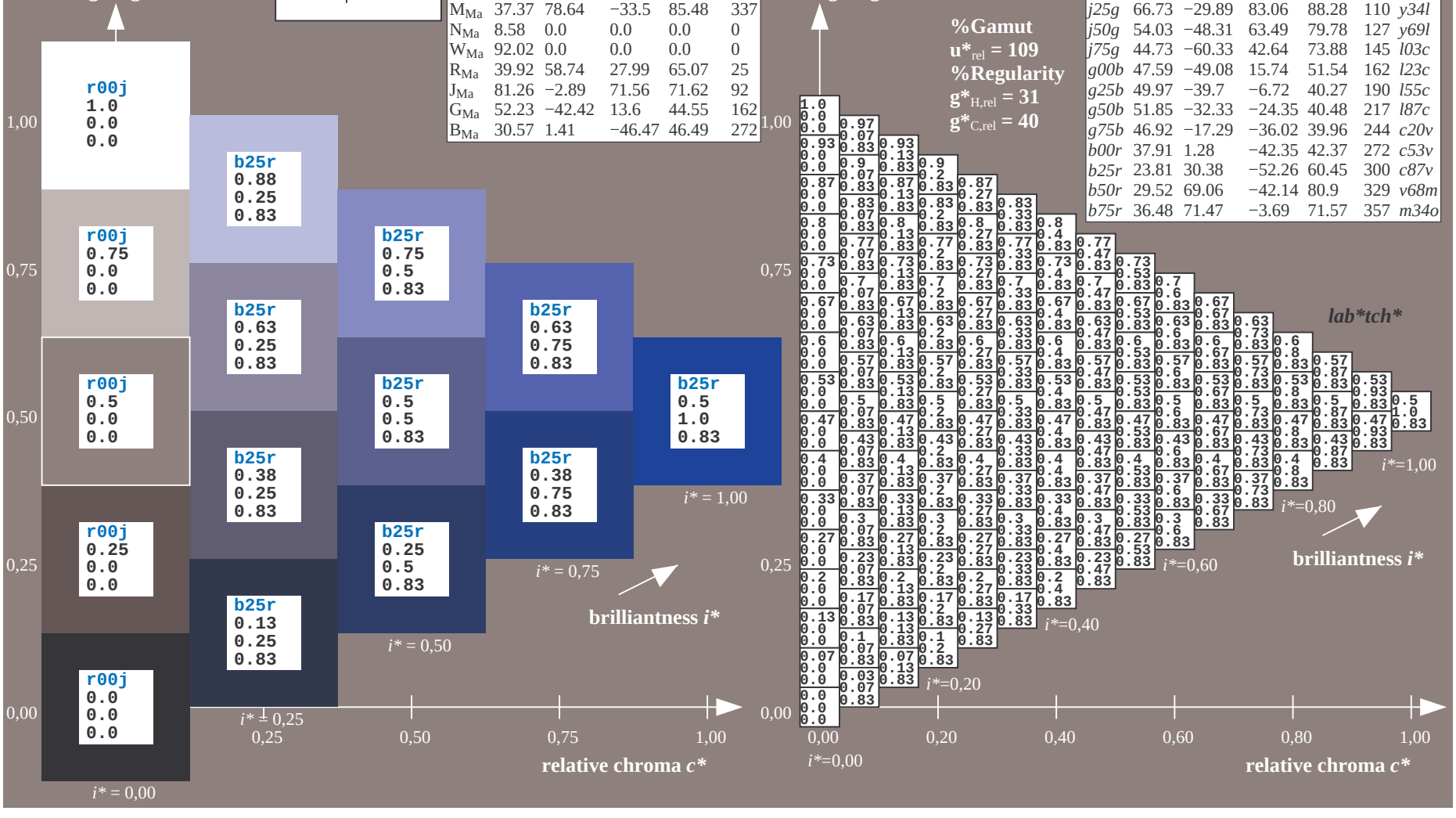
Data for maximum colour (Ma):
***LAB*LAB**Ma: 24 30 −52**
***LAB*LCH**Ma: 24 60 300**
***lab*rgb**Ma: 0.5 0.0 1.0**
***lab*olv**Ma: 0.0 0.12 1.0**
triangle lightness *t**

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

u^*_e = *b25r*
*lab*tch**

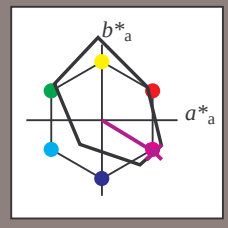
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; 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_{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	

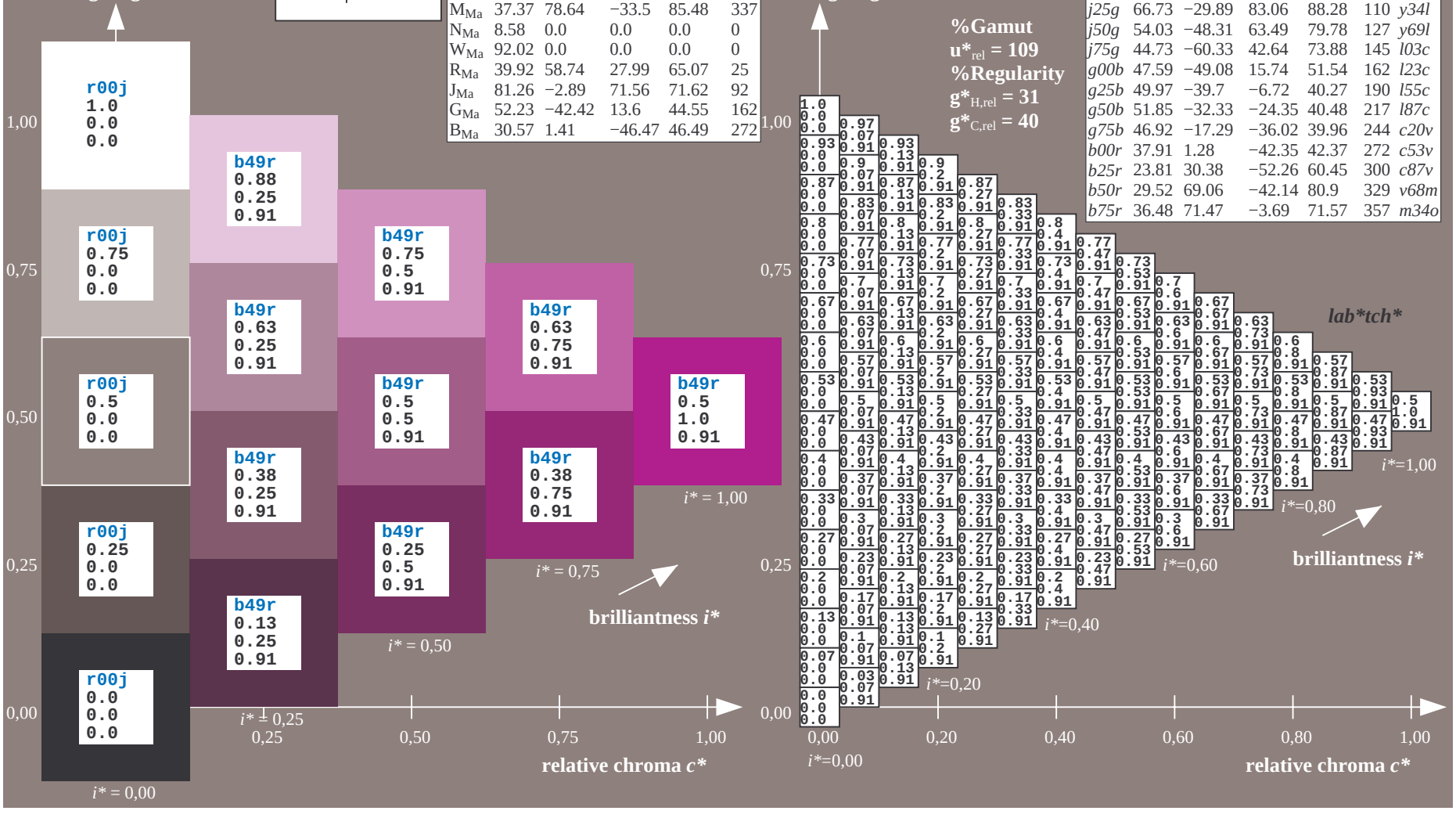
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 30 69 −42**
***LAB*LCH**Ma*: 30 81 328**
***lab*rgb**Ma*: 1.0 0.0 1.0**
***lab*olv**Ma*: 0.69 0.0 1.0**
triangle lightness *t**

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

u*e = b50r
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

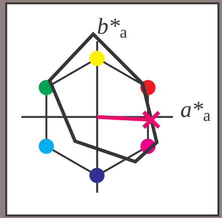
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

$u^*_e = b75r$
*lab*tch**

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**

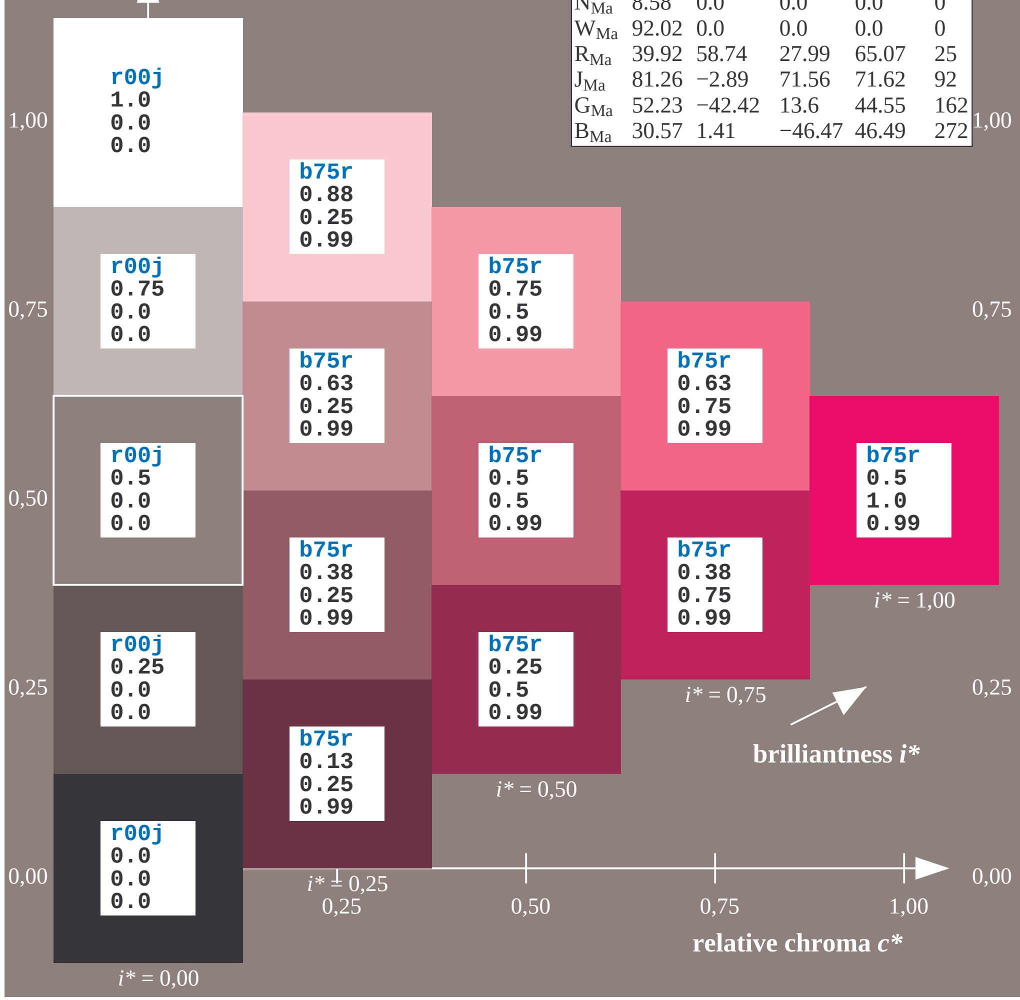


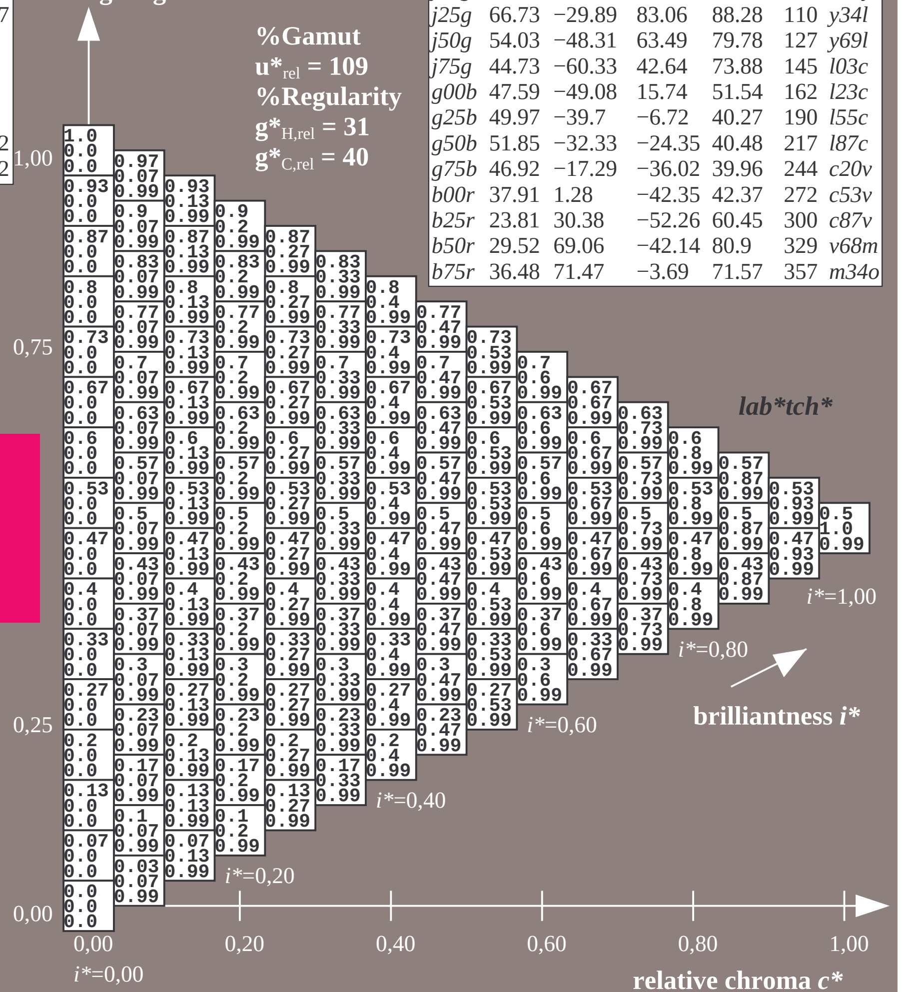
FRS09_92aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{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

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
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

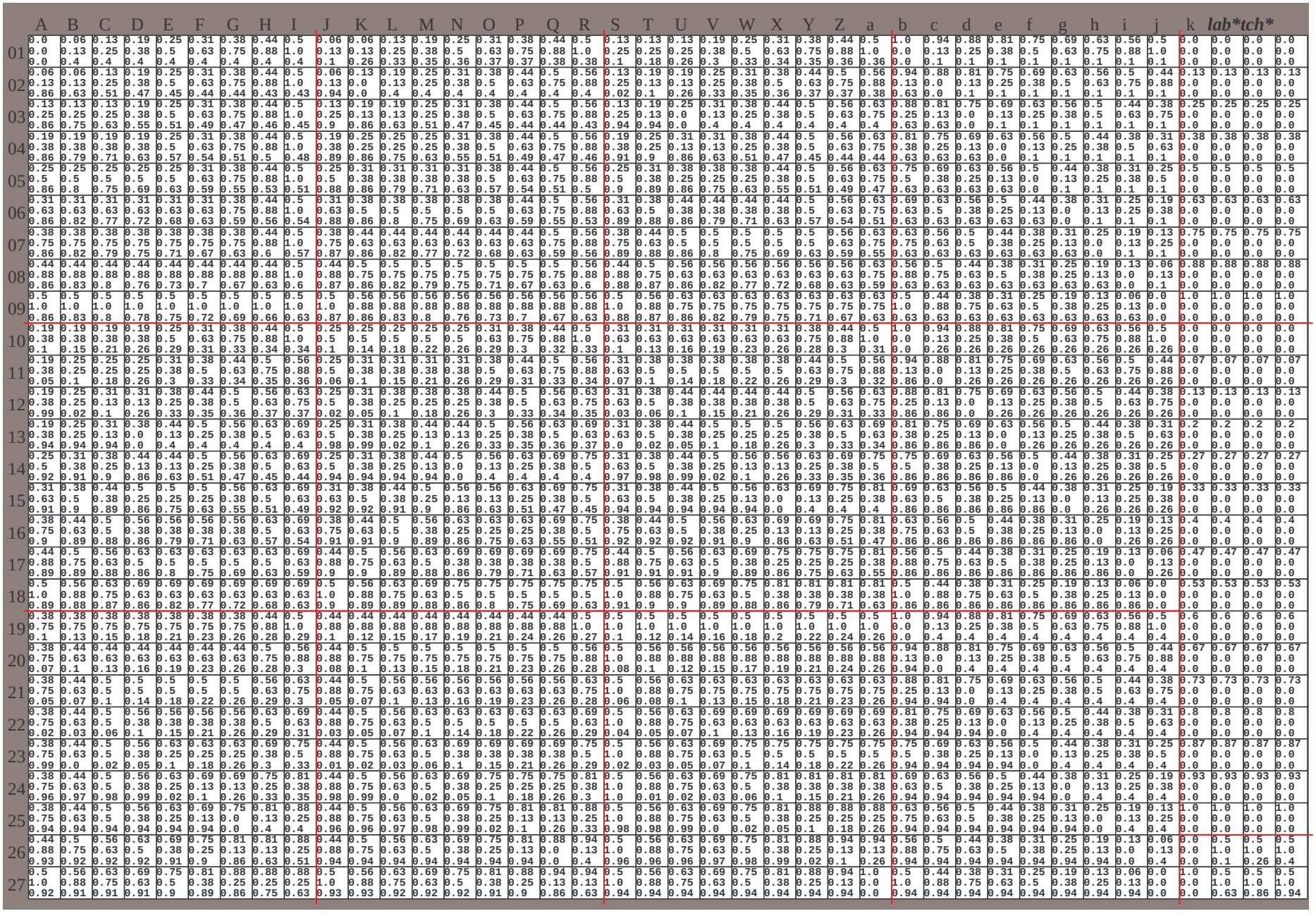
FRS09_92aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	−4.38	108.53	108.62	92	o98y
j25g	66.73	−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





See for similar files: http://www.ps.bam.de/Ee32/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de
Version 2.1, io=1,1, ColSpx=0

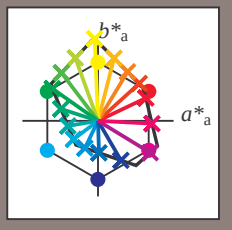
BAM registration: 20081001-Ee32/10L/L32E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta



Input and output:
Colorimetric Printer Reflective System FRS09_92aM data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

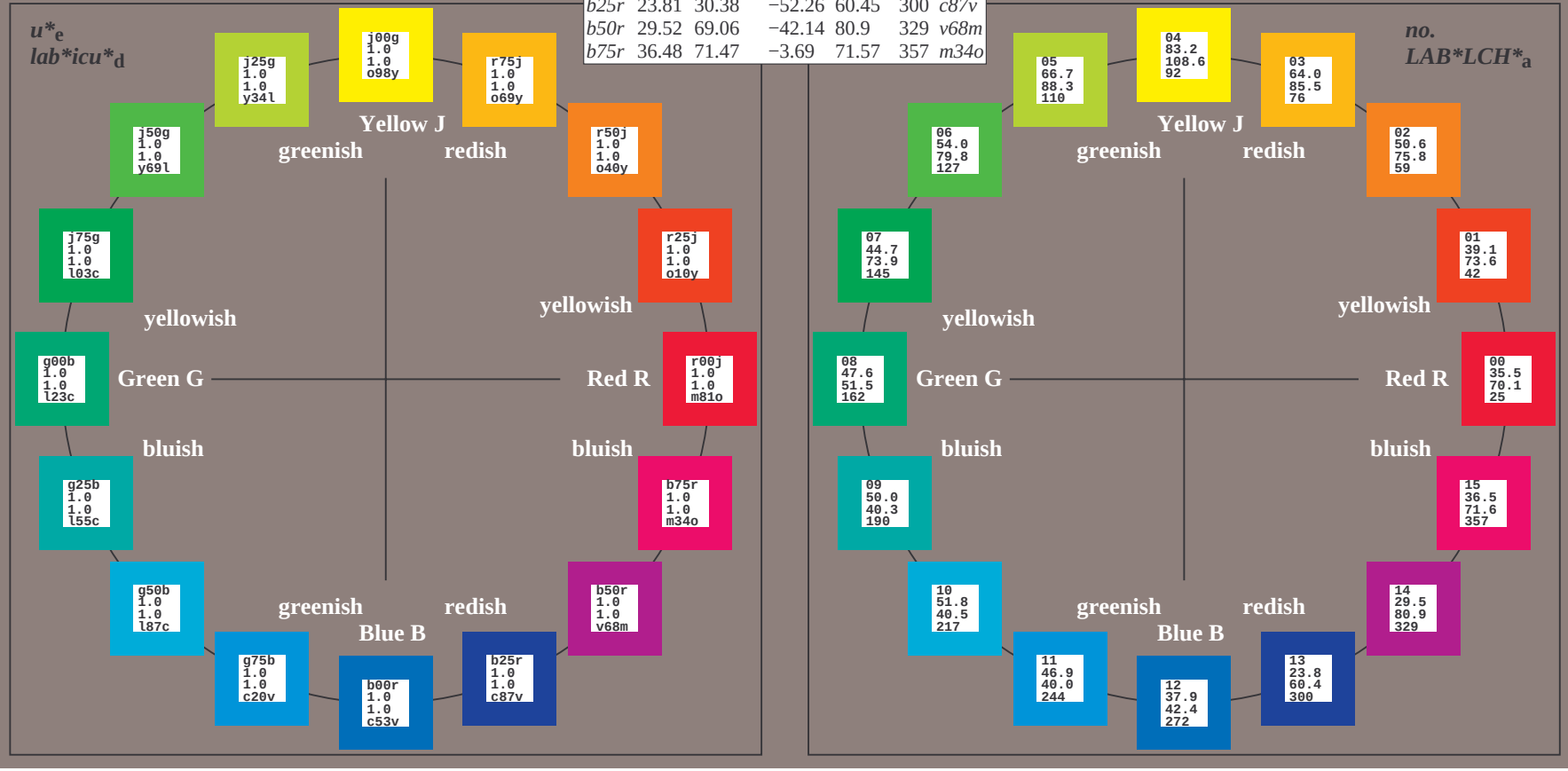
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

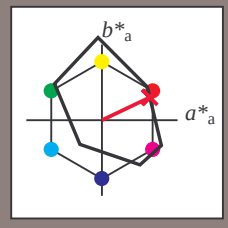
FRS09_92aM; adapted (a) CIELAB data

Name	*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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

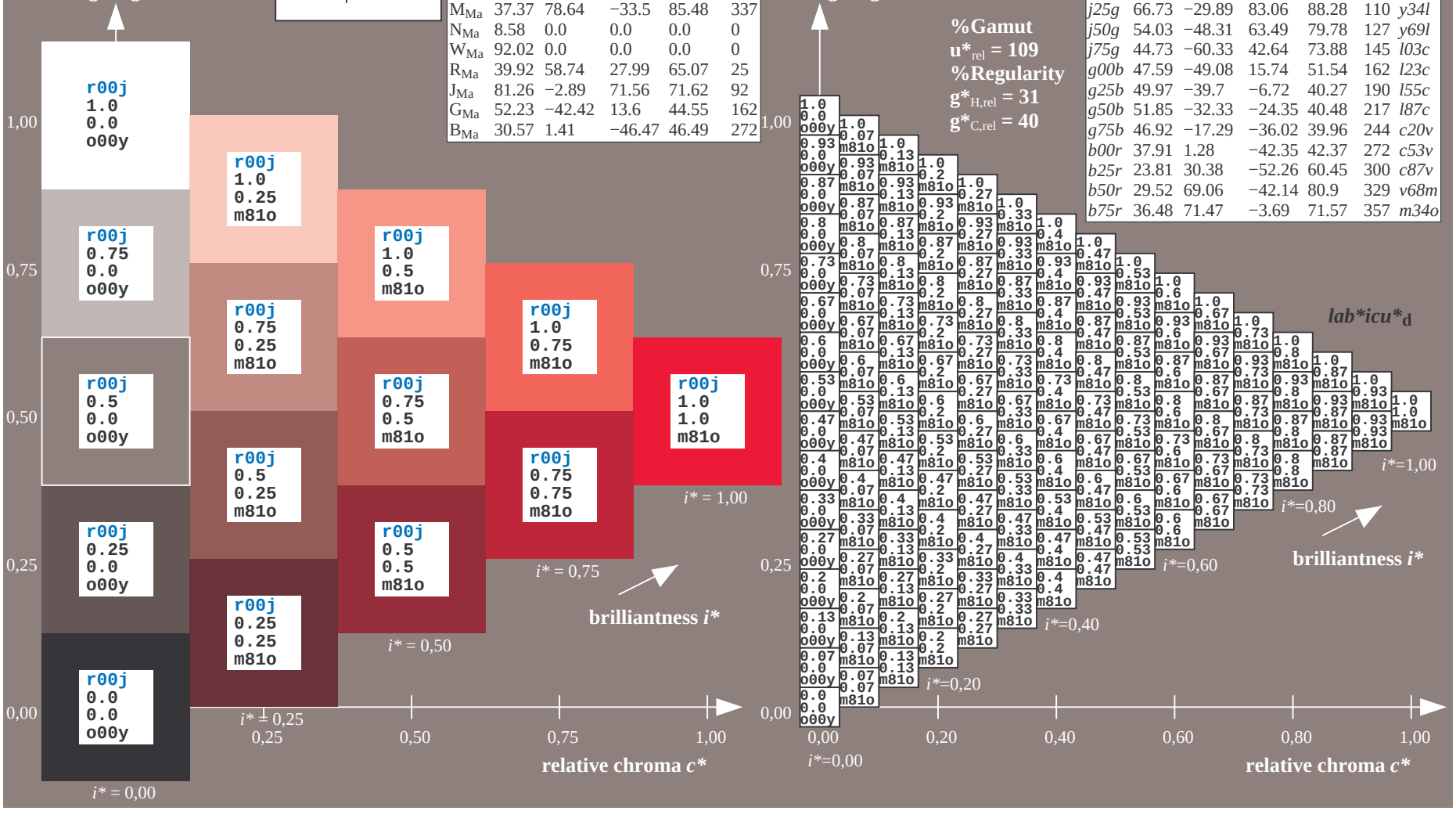
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u^*_e = *r00j*
lab*icu*$_d$

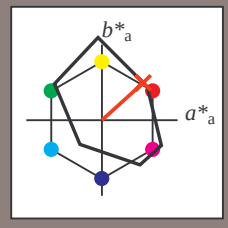
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

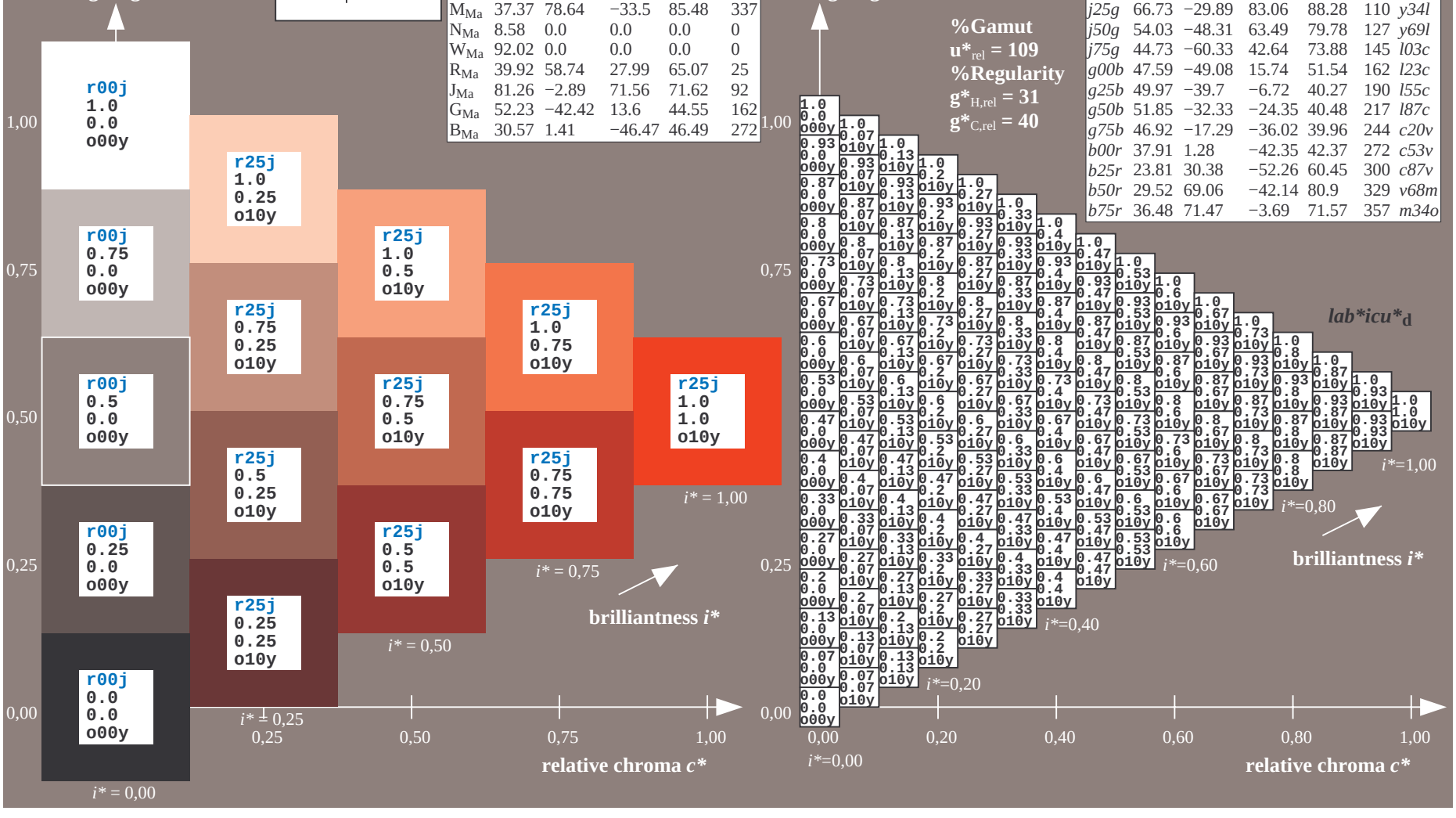
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

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

u^*_e = *r25j*
lab*icu*$_d$

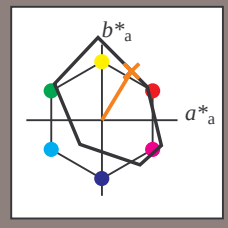
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

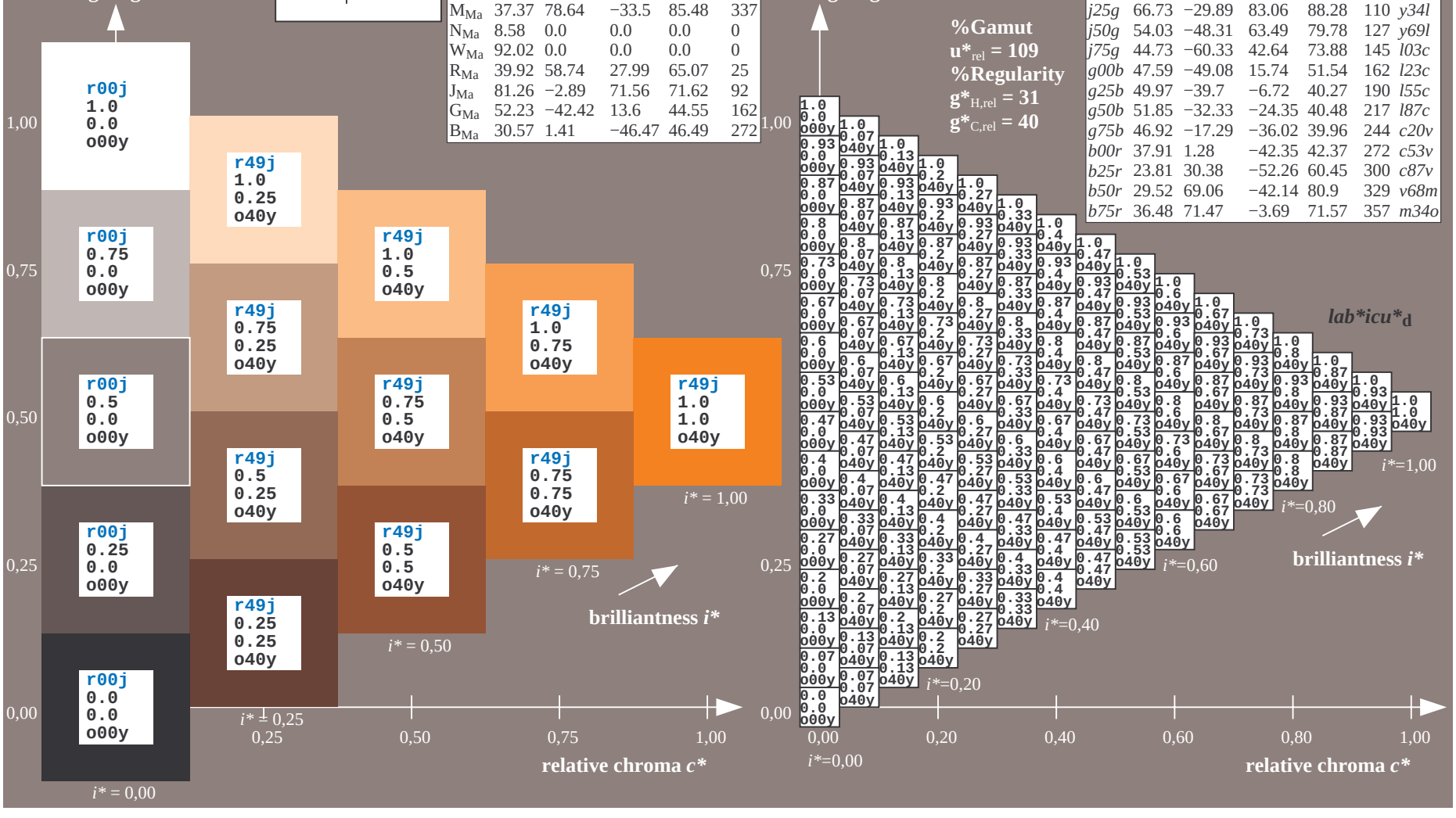
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

u^*_e = *r50j*
lab*icu*$^*_d$**

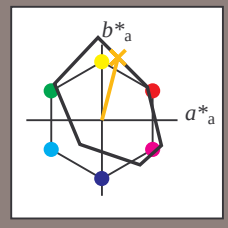
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

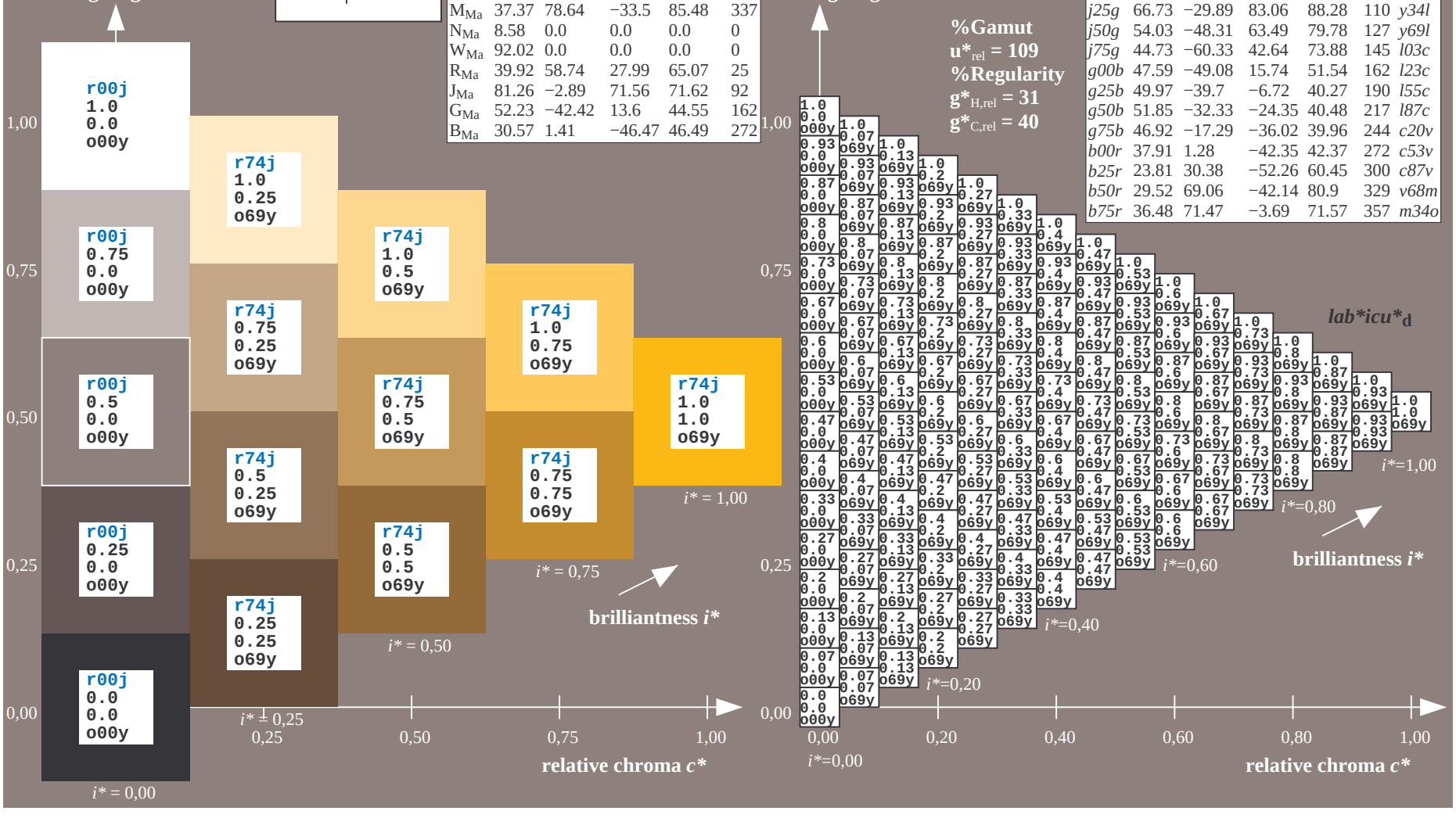
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

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

u^*_e = *r75j*
lab*icu*$_d$

FRS09_92aM; adapted (a) CIELAB data

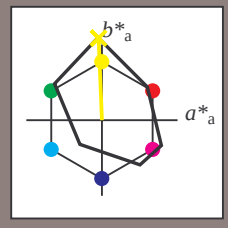
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



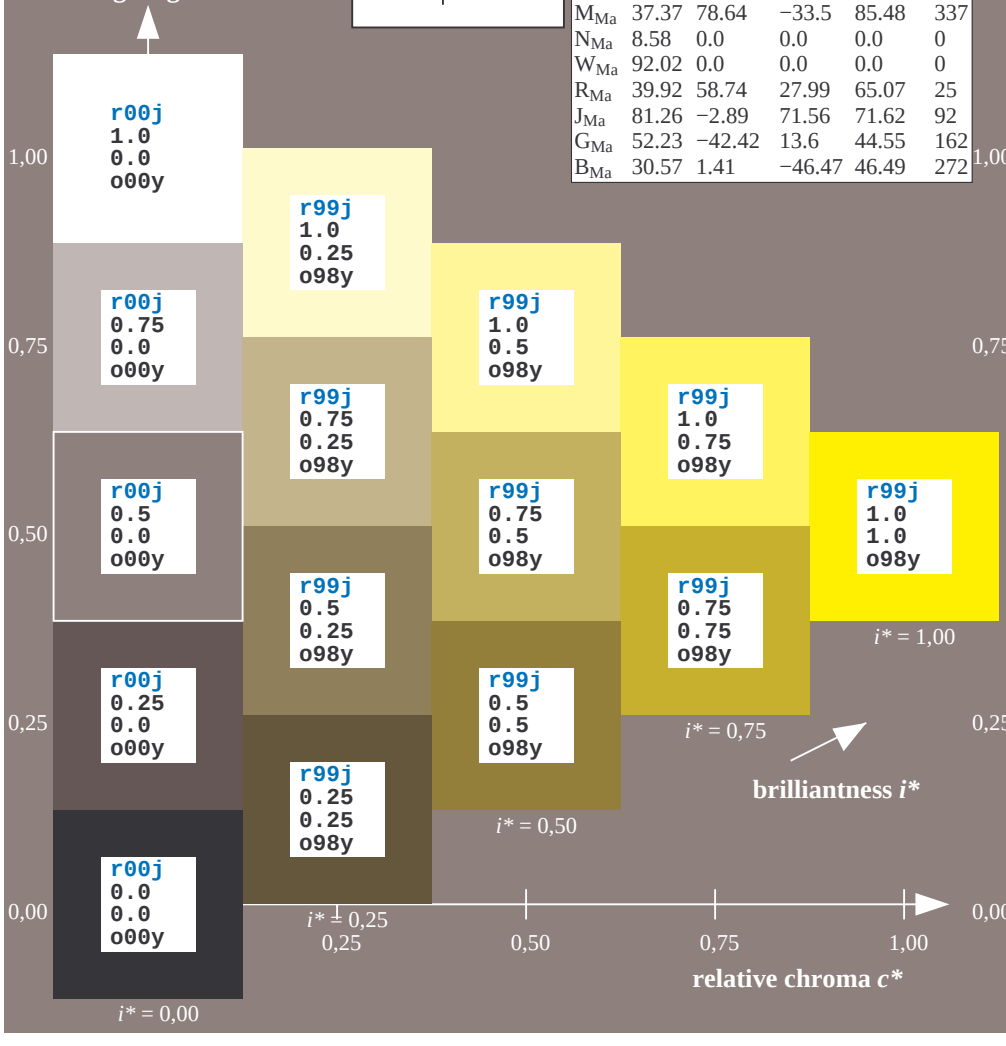
FRS09_92aM; adapted (a) CIELAB data

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_{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

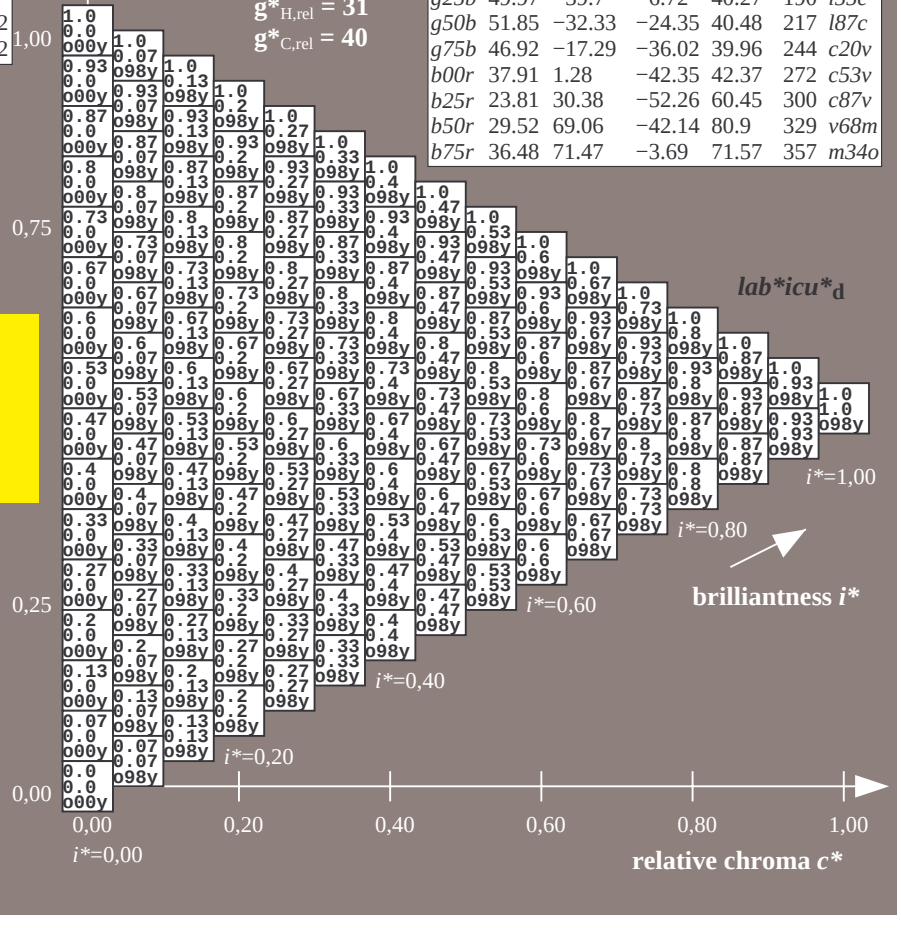
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

FRS09_92aM; 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*



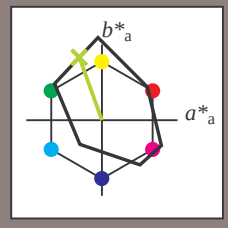
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40



input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

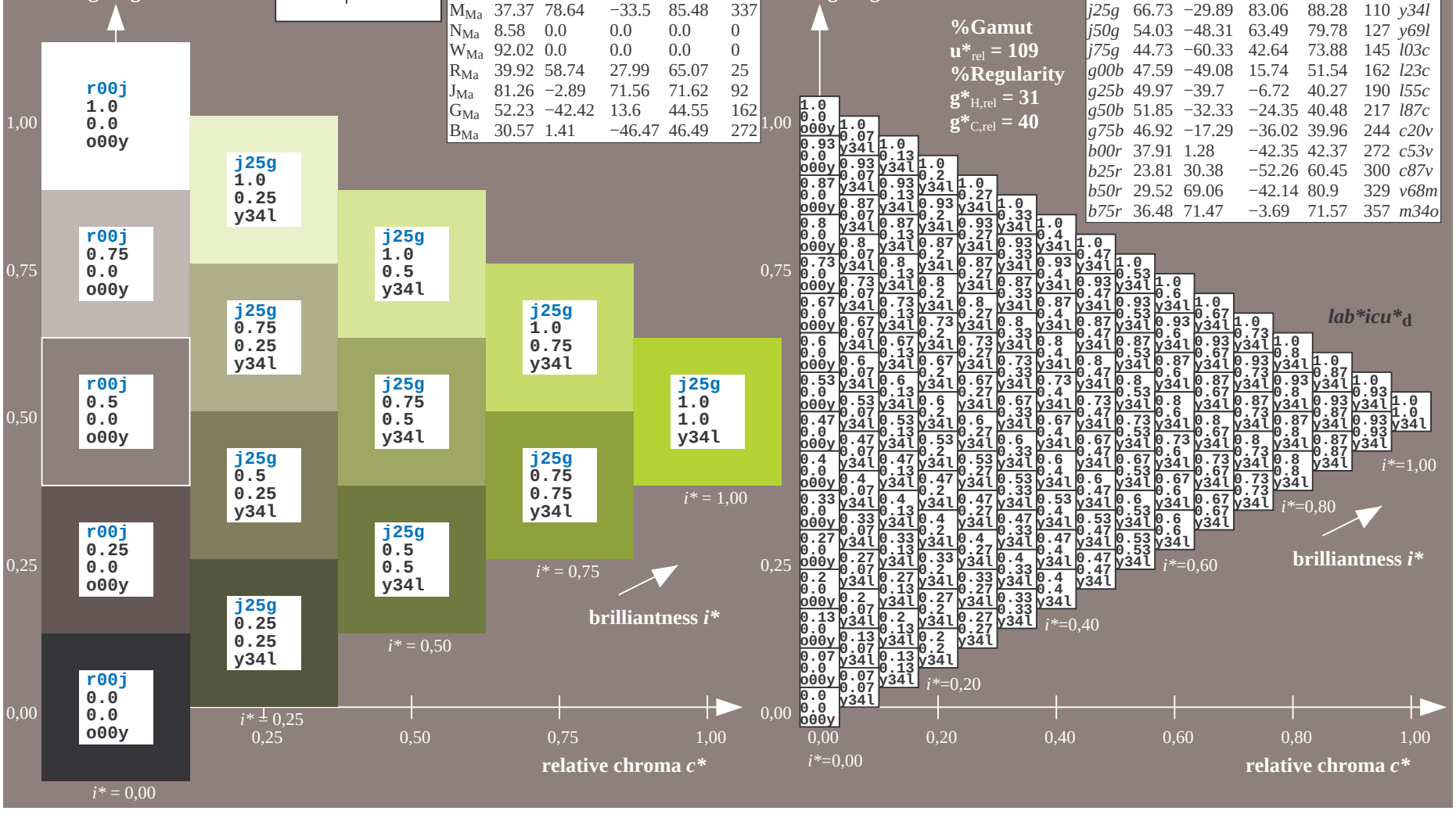
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j25g*
lab*icu*$_d$

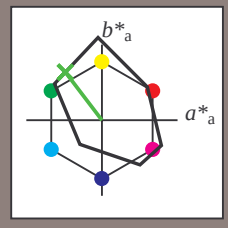
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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

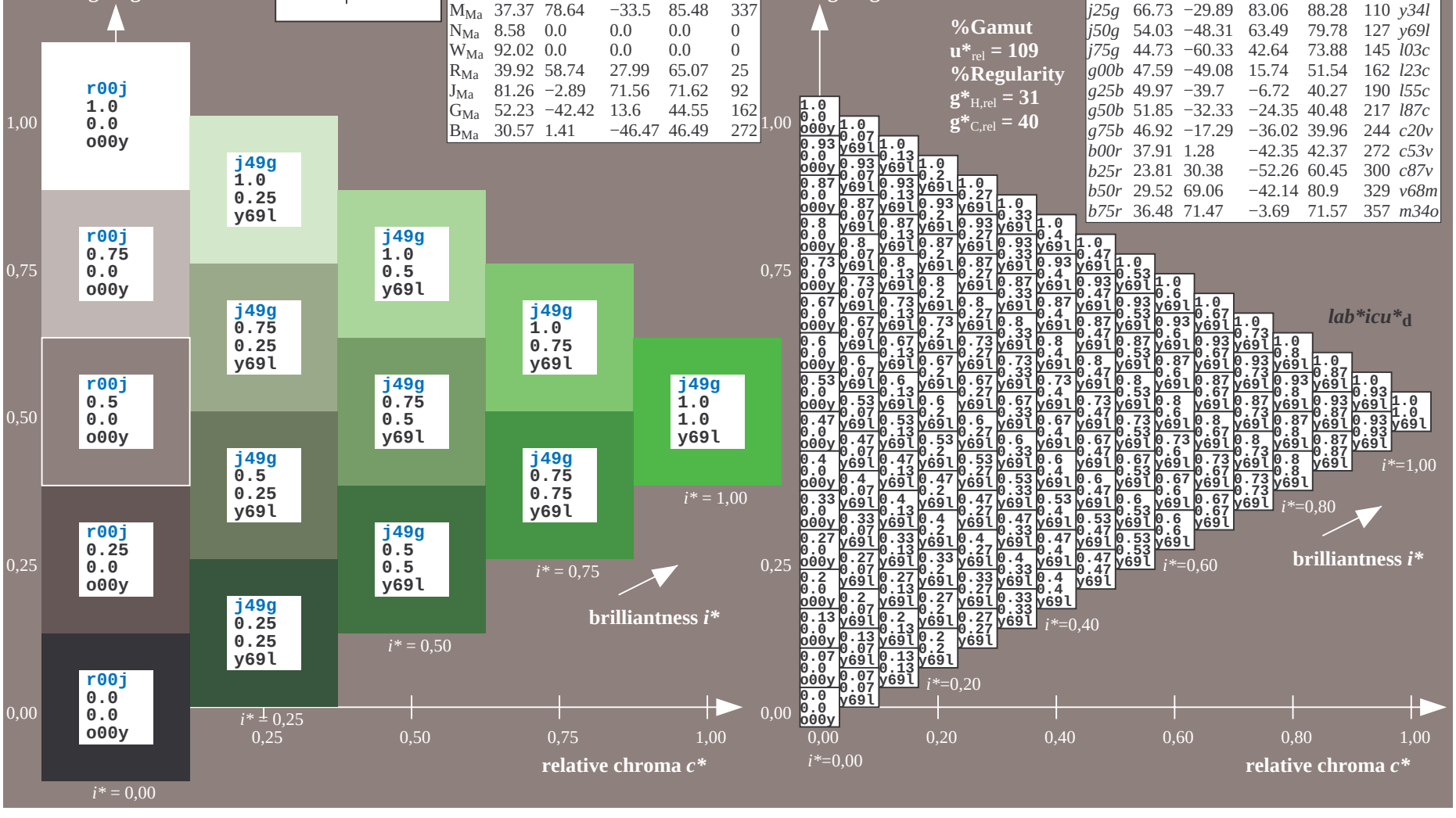
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j50g*
lab*icu*$_d$

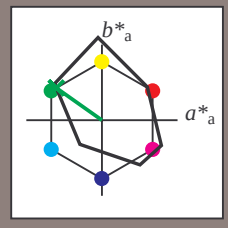
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; 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_{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	

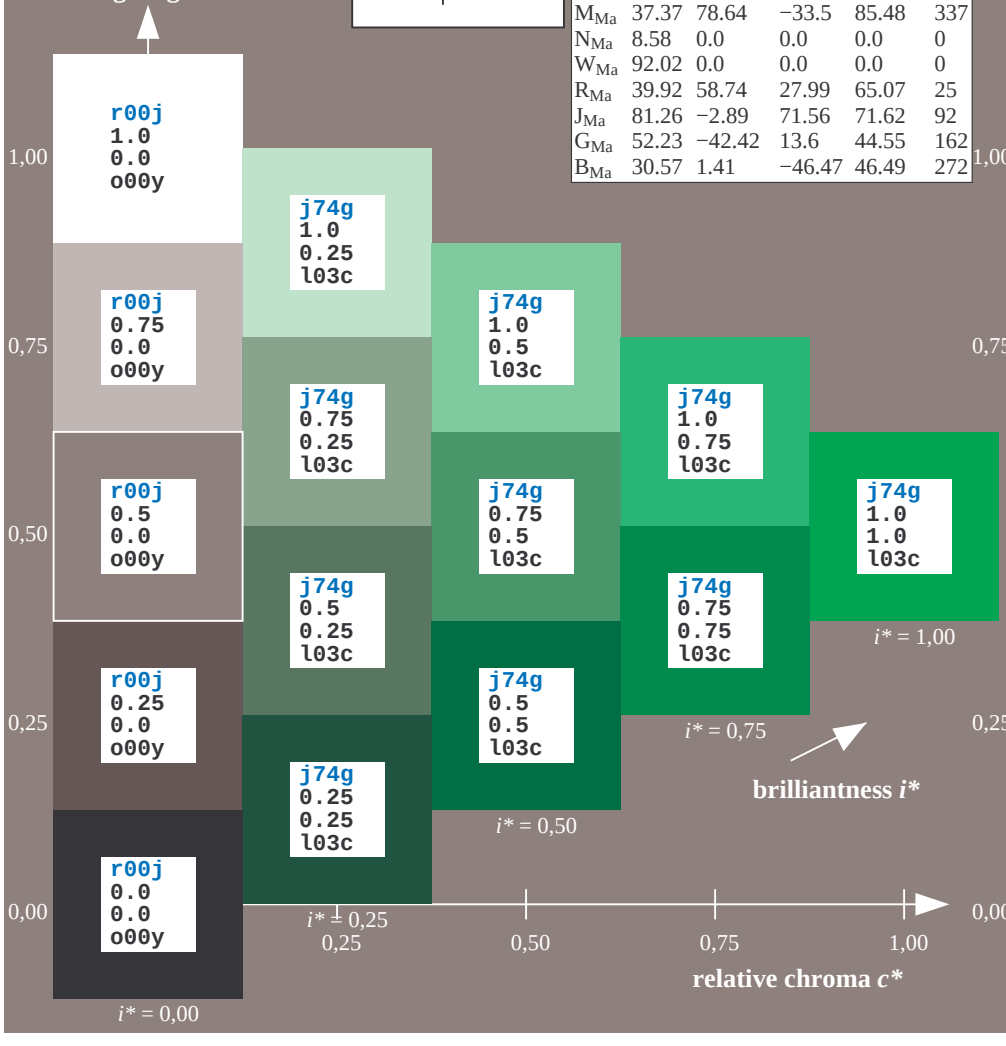
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 45 −60 43**
LAB*LCH*$_{Ma}$**: 45 74 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.03**
triangle lightness *t**

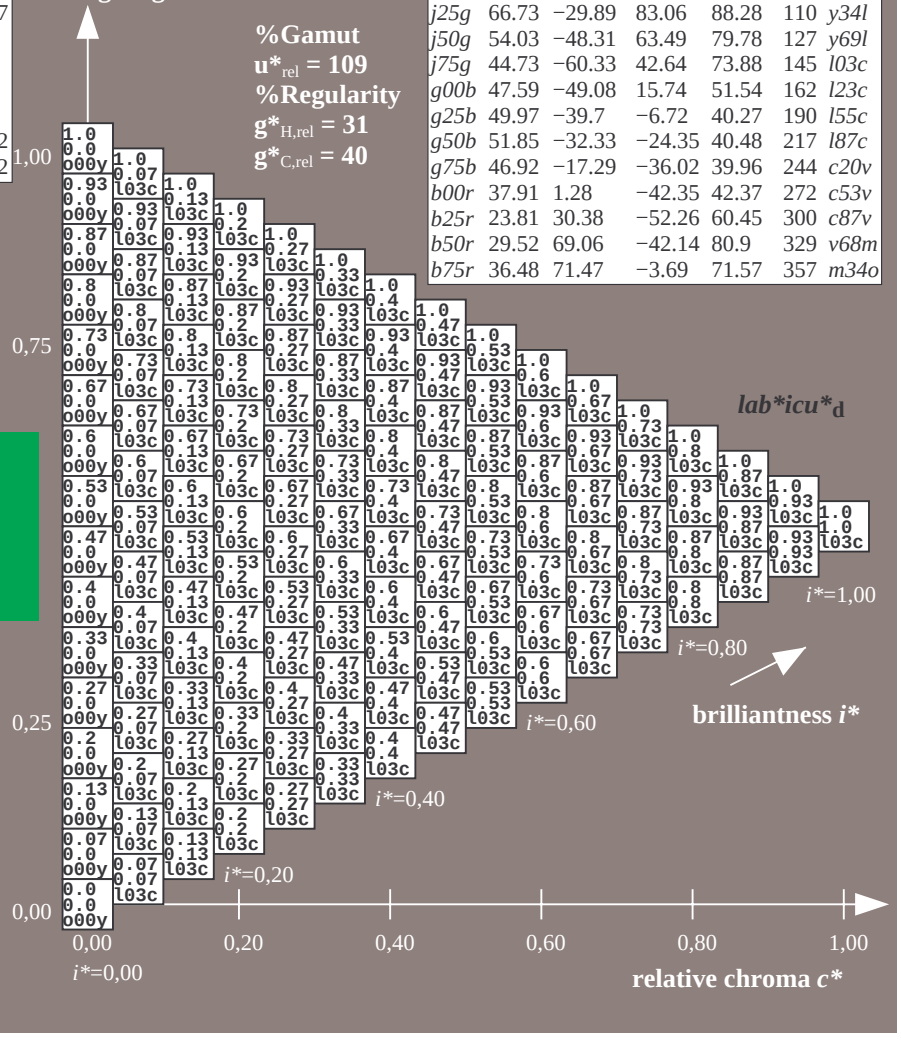
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *j75g*
*lab*icu**$_d$

FRS09_92aM; adapted (a) CIELAB data

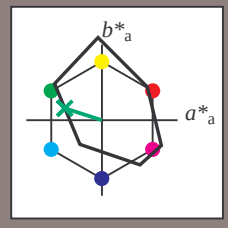
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; 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_{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	

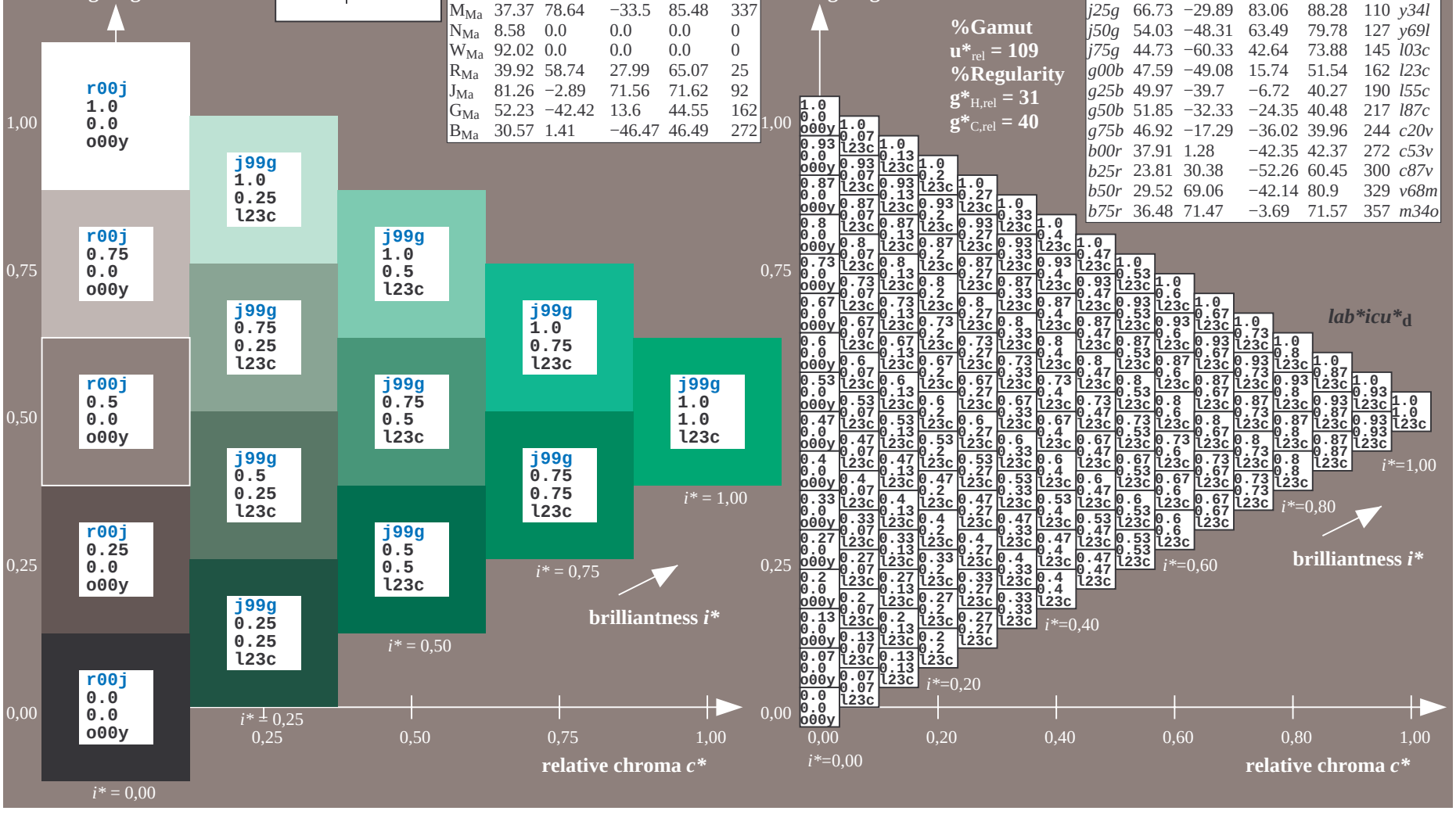
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

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

u^*_e = *g00b*
lab*icu*$_d$

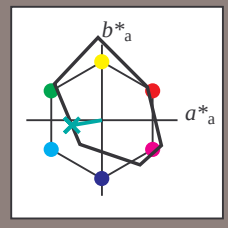
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; 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_{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	

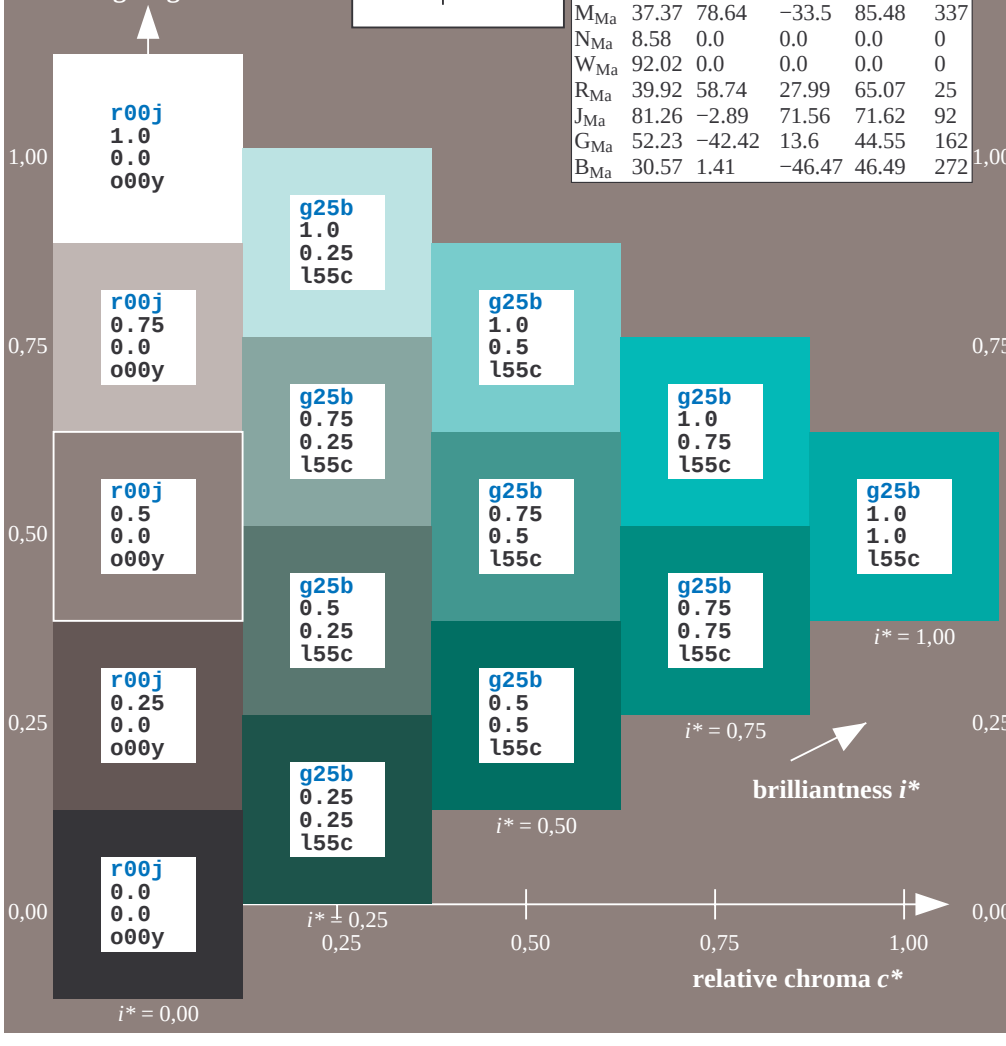
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

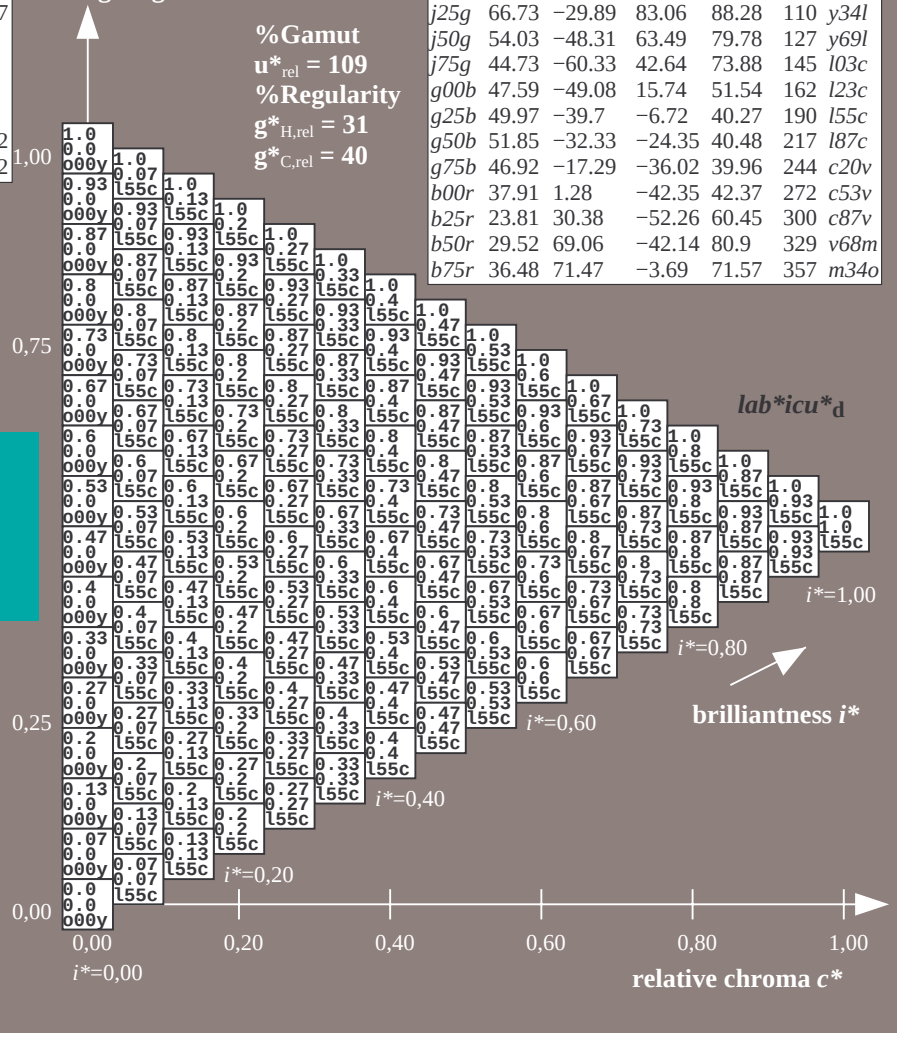
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g25b*
lab*icu*$_d$

FRS09_92aM; adapted (a) CIELAB data

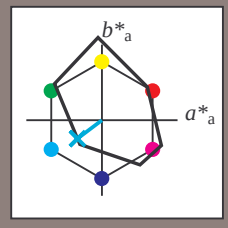
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; 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_{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	

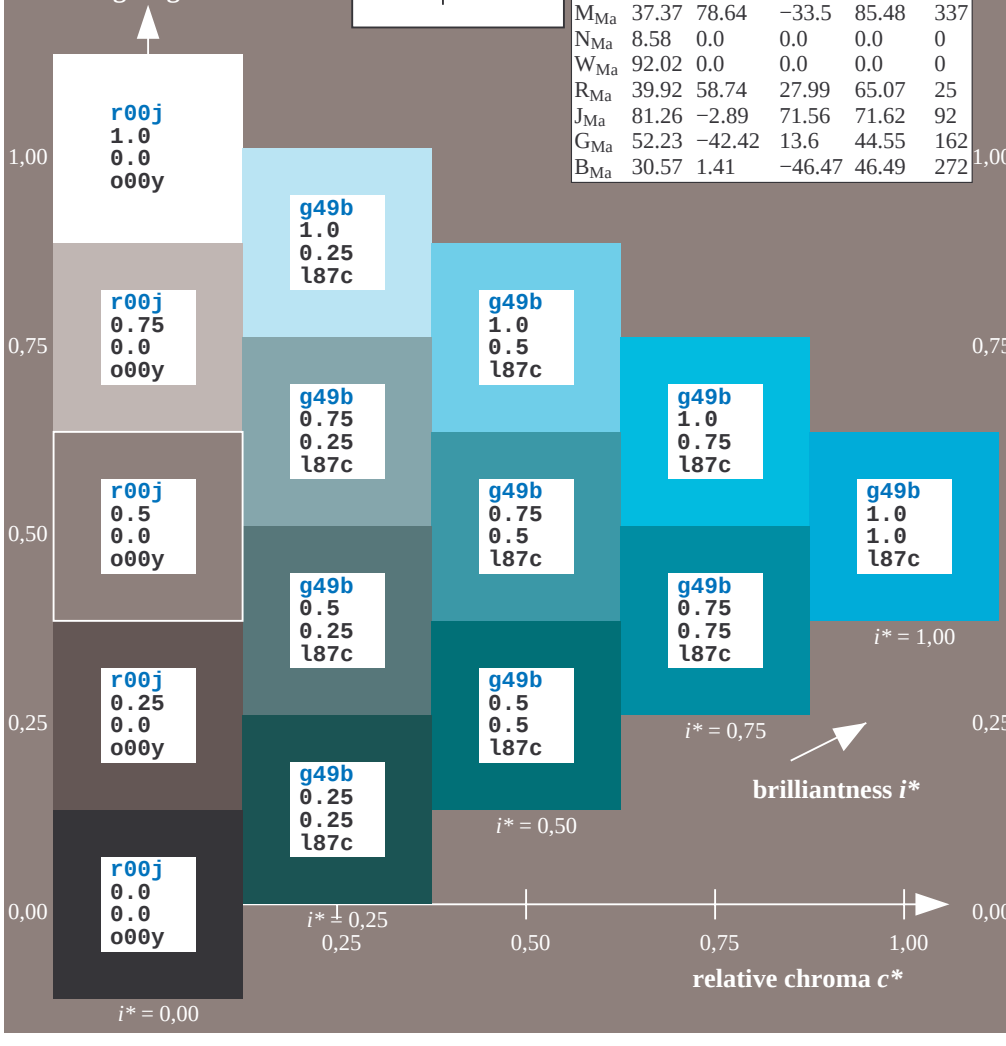
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −32 −24**
LAB*LCH*$_{Ma}$**: 52 40 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.87**
triangle lightness *t**

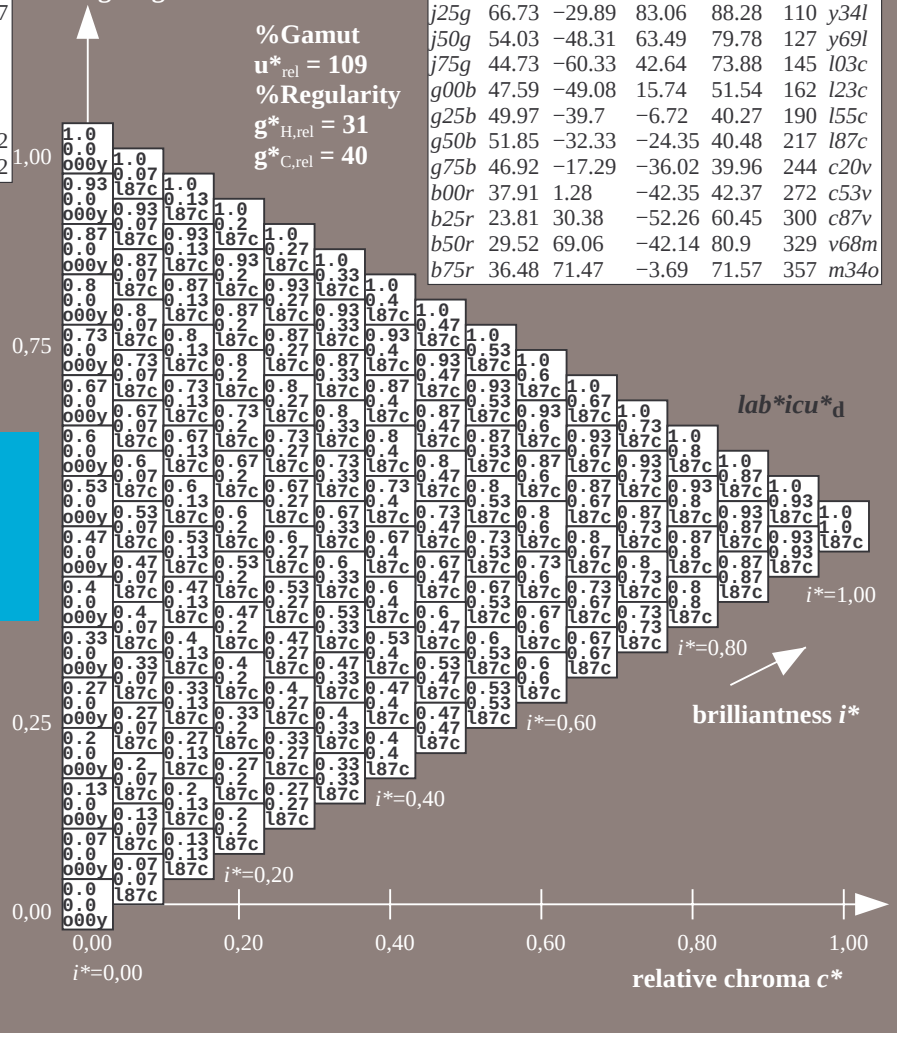
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g50b*
lab*icu*$_d$

FRS09_92aM; adapted (a) CIELAB data

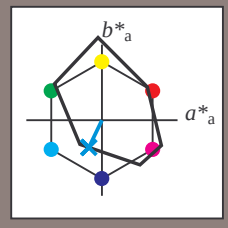
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; 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_{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

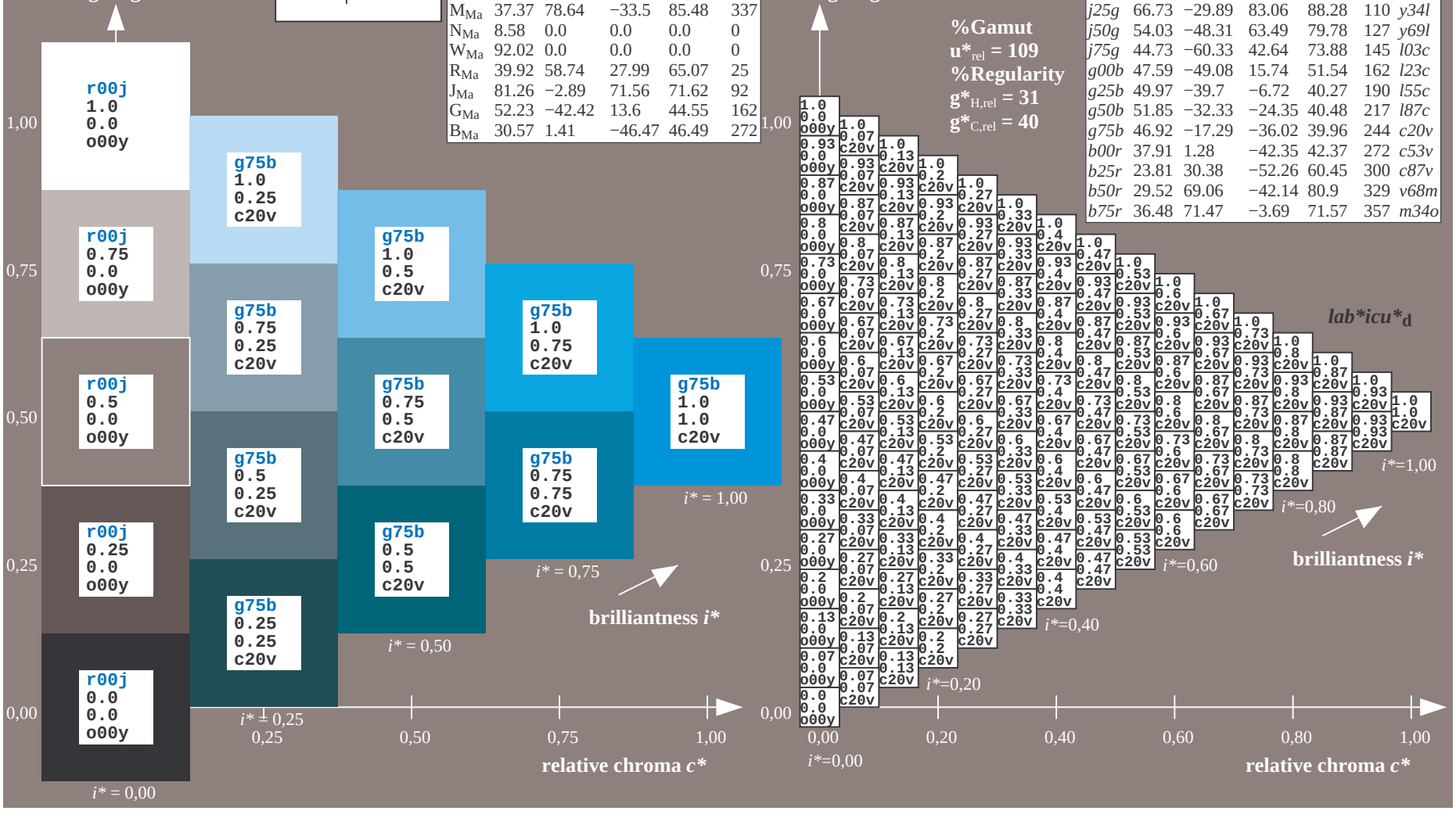
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

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

u*e* = *g75b
lab*icu*$_d$**

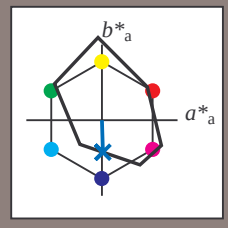
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; adapted (a) CIELAB data

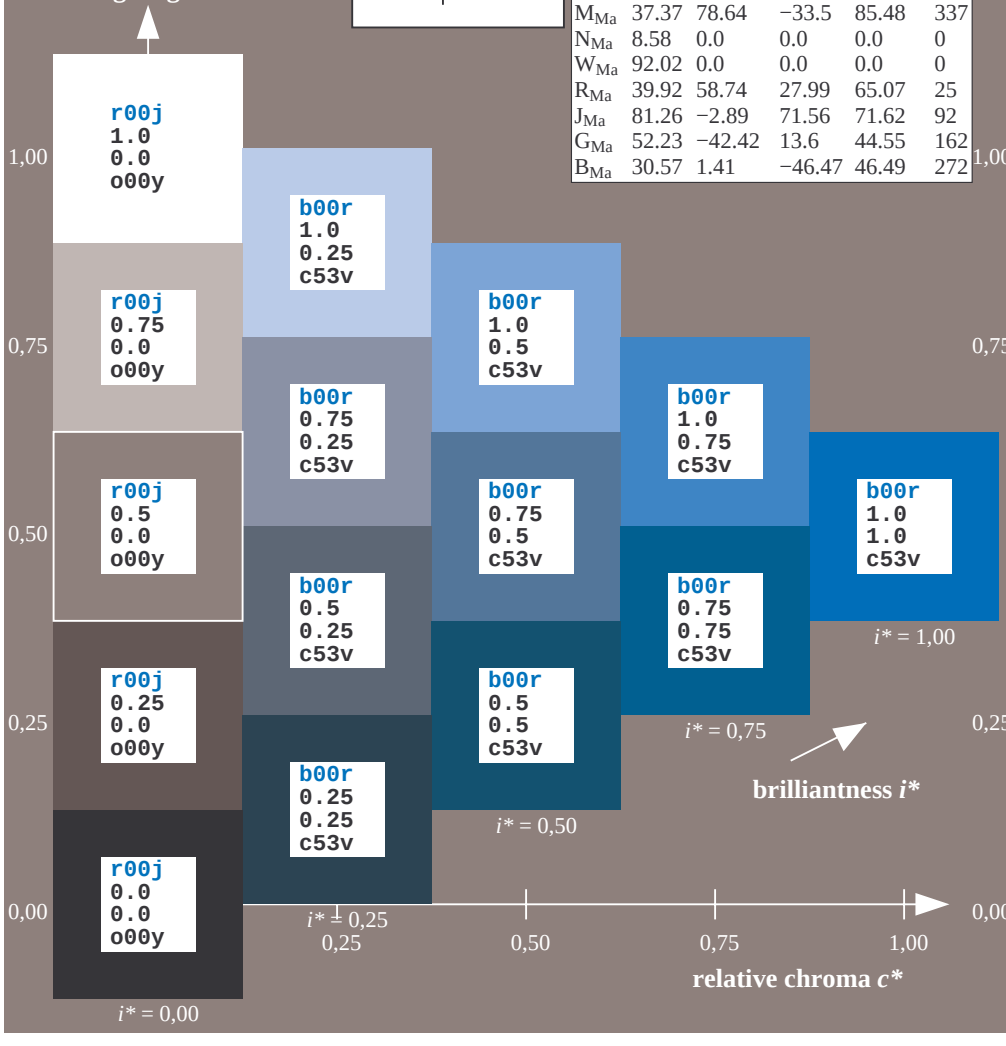
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	−5.17	109.32	109.44	93
L_{Ma}	44.13	−62.67	48.24	79.09	142
C_{Ma}	52.66	−29.14	−31.99	43.27	228
V_{Ma}	14.15	50.3	−59.04	77.57	310
M_{Ma}	37.37	78.64	−33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02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

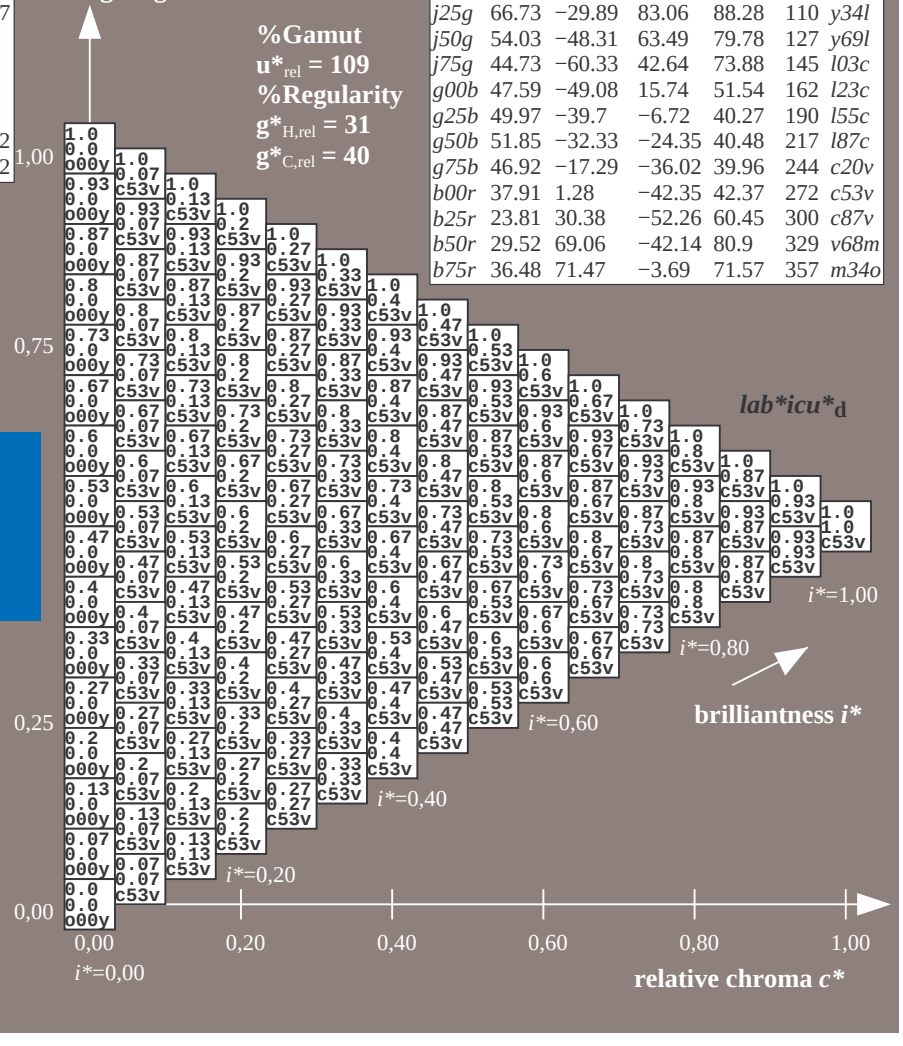
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 1 −42**
LAB*LCH*$_{Ma}$**: 38 42 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.47 1.0**
triangle lightness *t**

FRS09_92aM; 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*

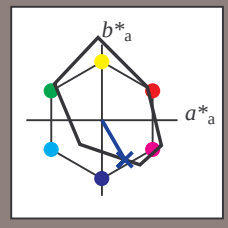
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

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_92aM; 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_{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	

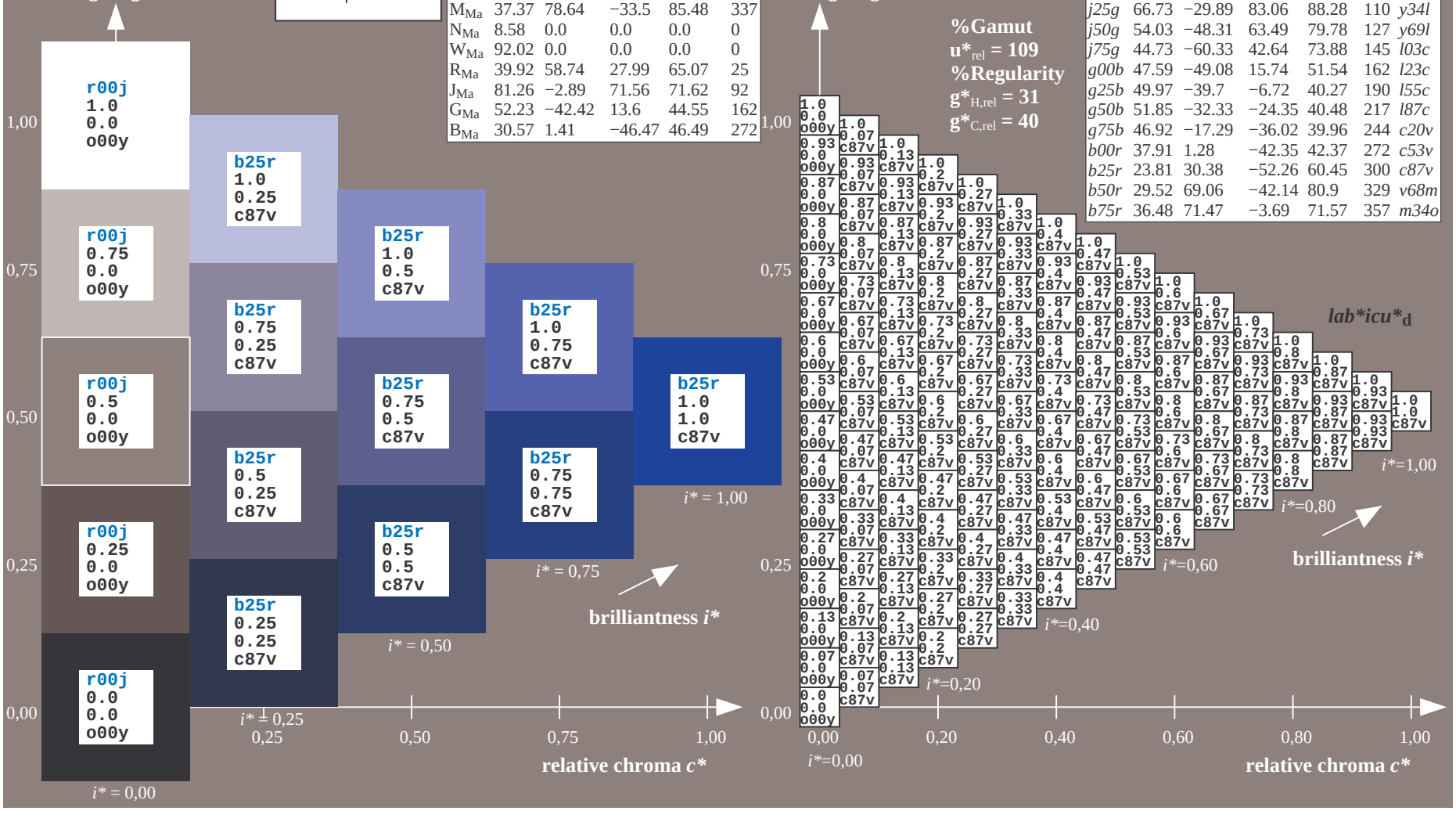
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 24 30 −52
$LAB^*LCH^*_{Ma}$: 24 60 300
$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0
$lab^*olv^*_{Ma}$: 0.0 0.12 1.0
triangle lightness *t**

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

$u^*_e = b25r$
$lab^*icu^*_d$

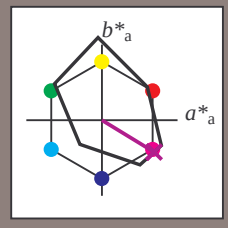
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; 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_{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

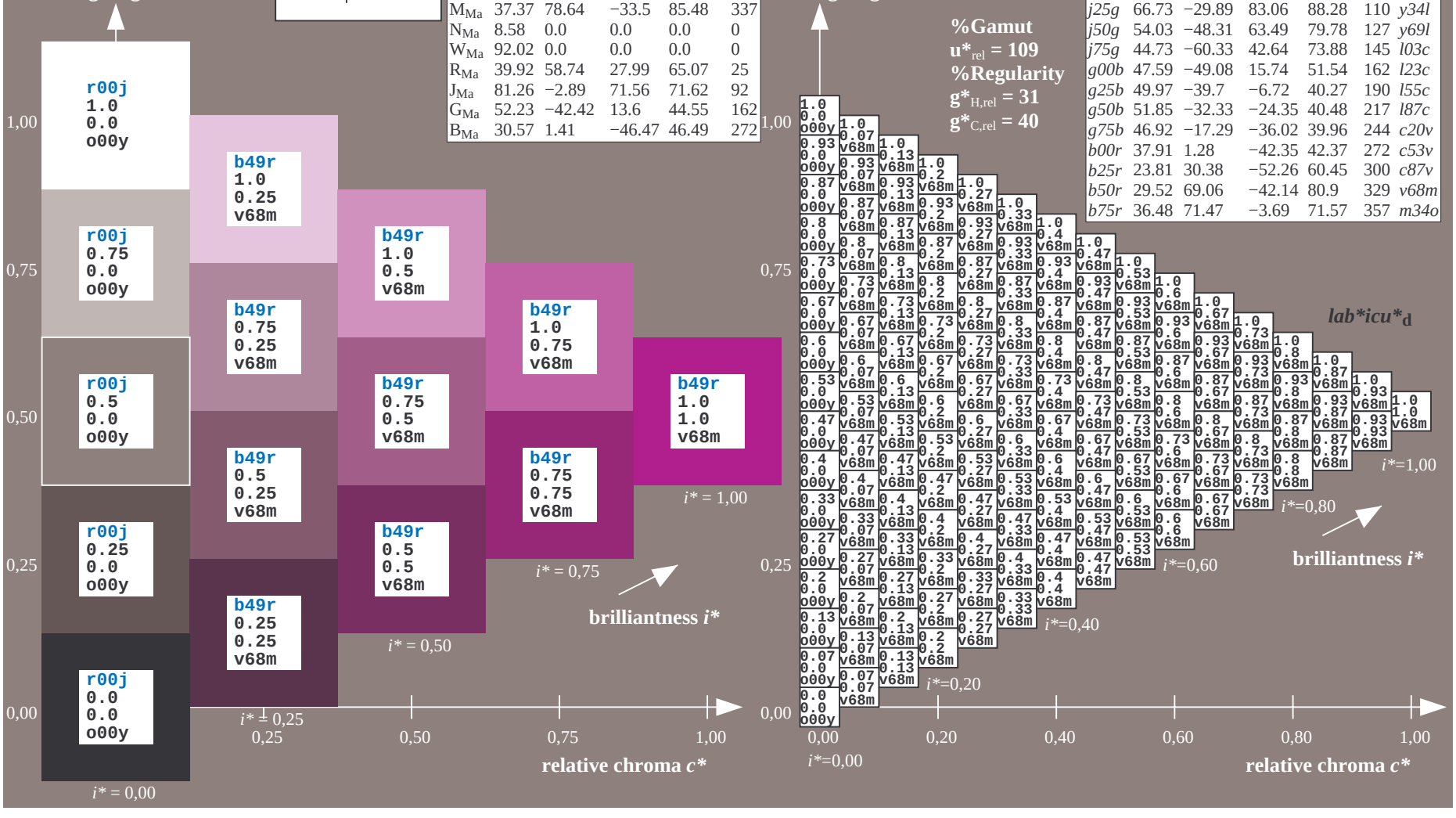
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 30 69 −42
LAB*LCH*$_{Ma}$: 30 81 328
lab*rgb*$_{Ma}$: 1.0 0.0 1.0
lab*olv*$_{Ma}$: 0.69 0.0 1.0
triangle lightness *t**

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

u^*_e = *b50r*
lab*icu*$_d$

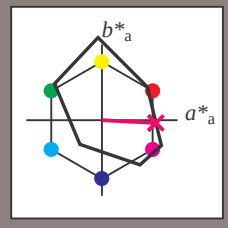
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; 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_{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

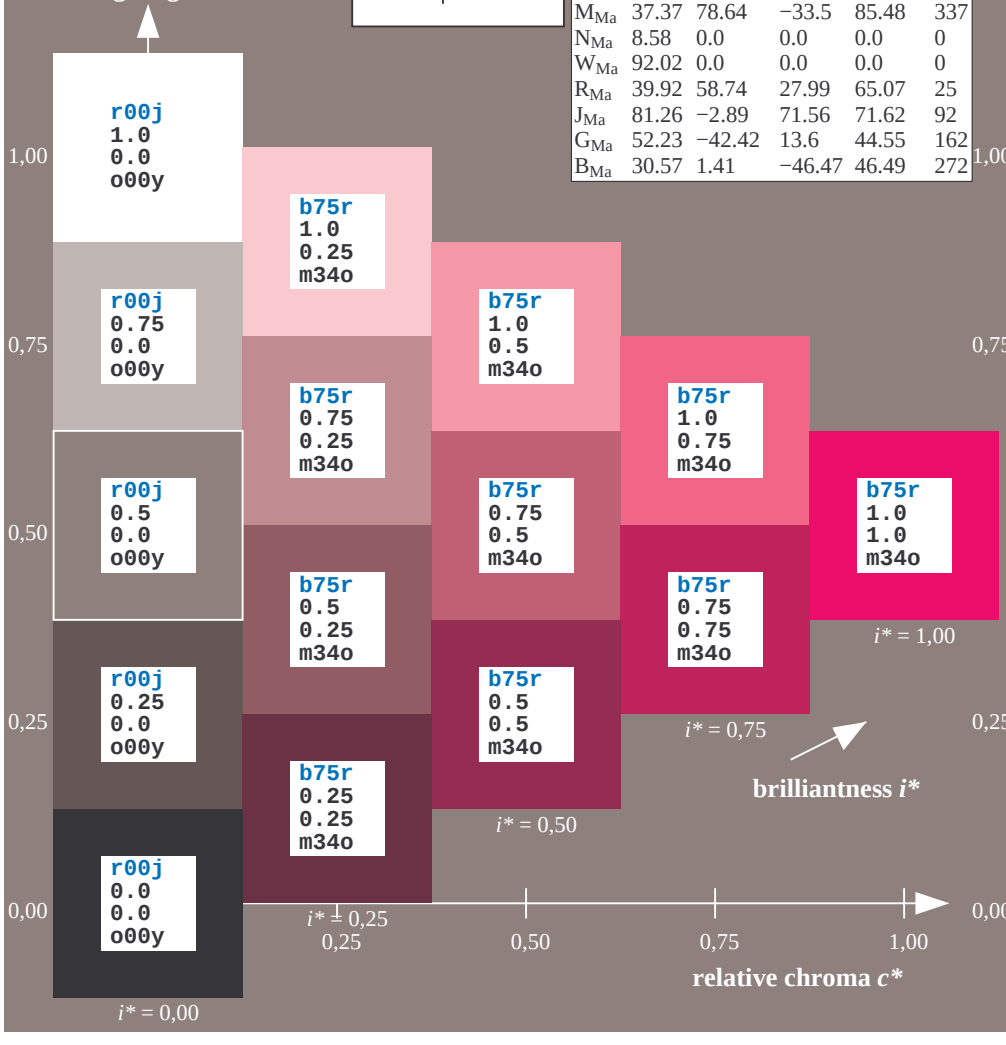
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

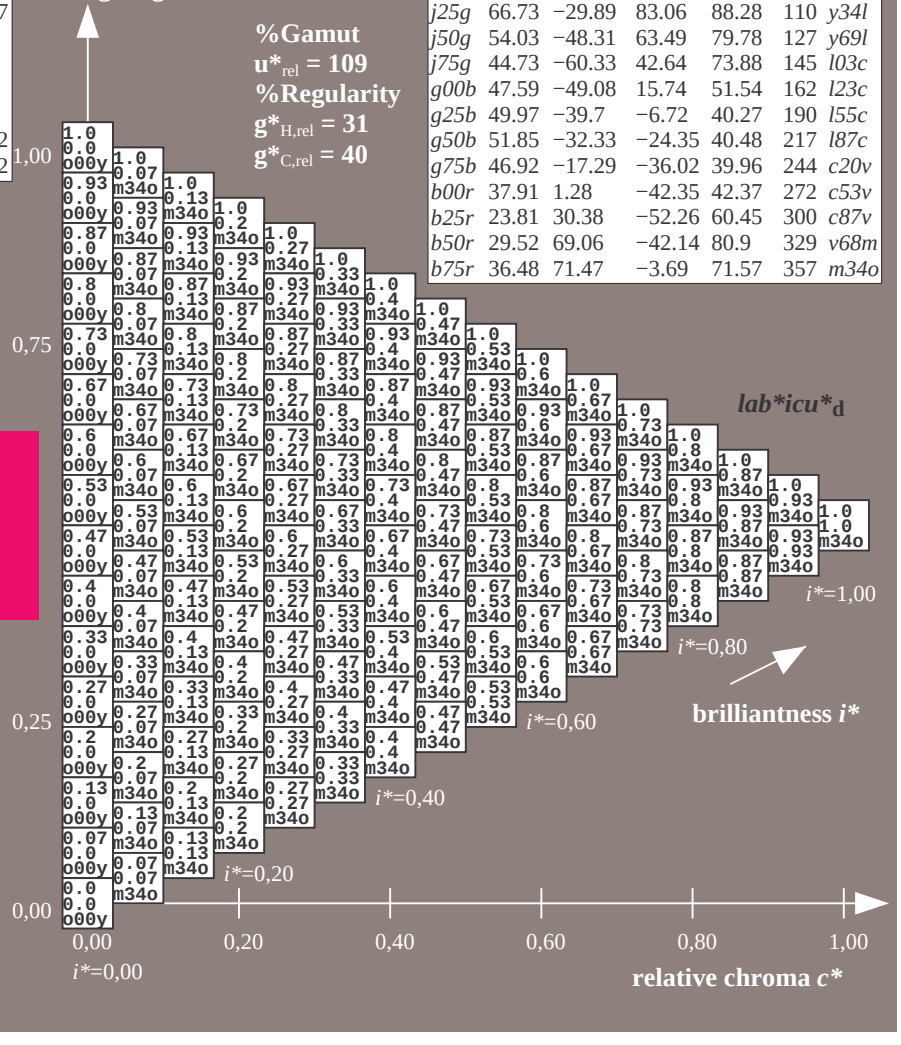
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

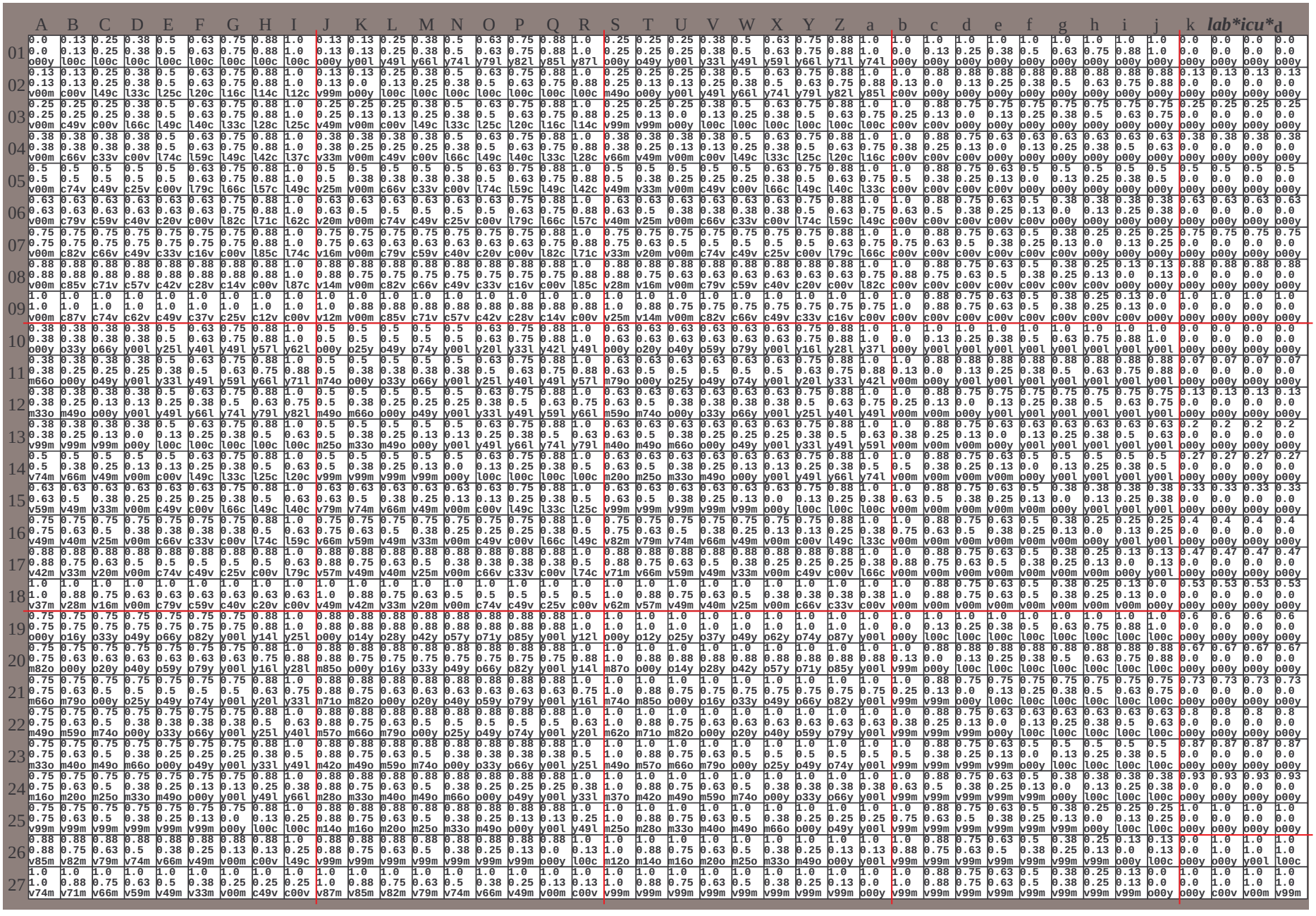
u^*_e = *b75r*
*lab*icu**$_d$

FRS09_92aM; 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*



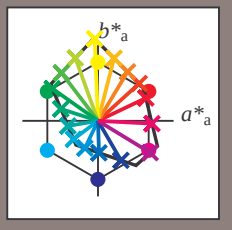




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

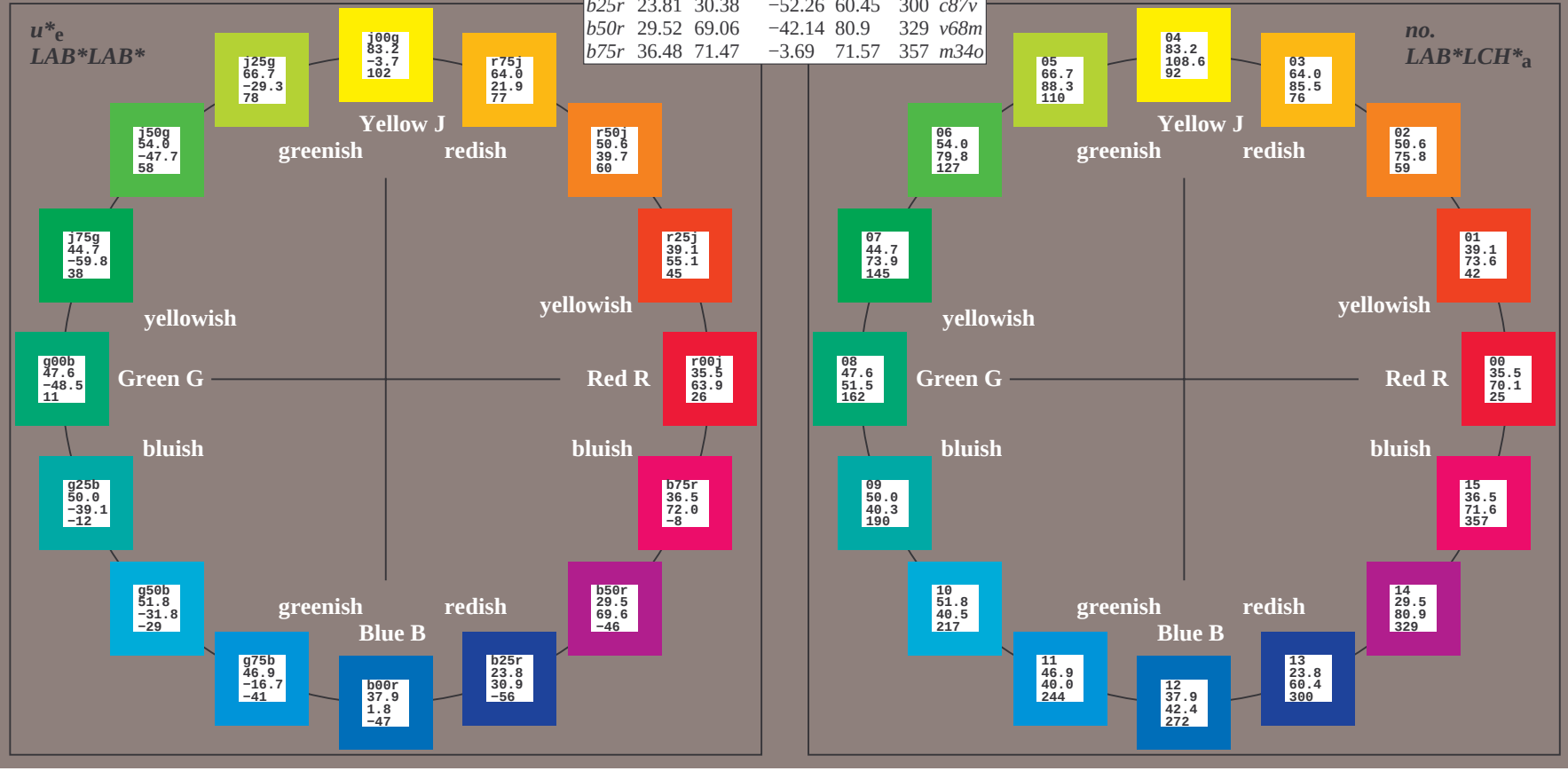
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

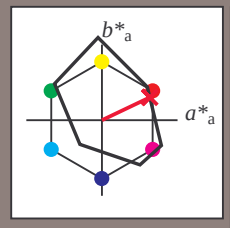
FRS09_92M; CIELAB data

Name	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

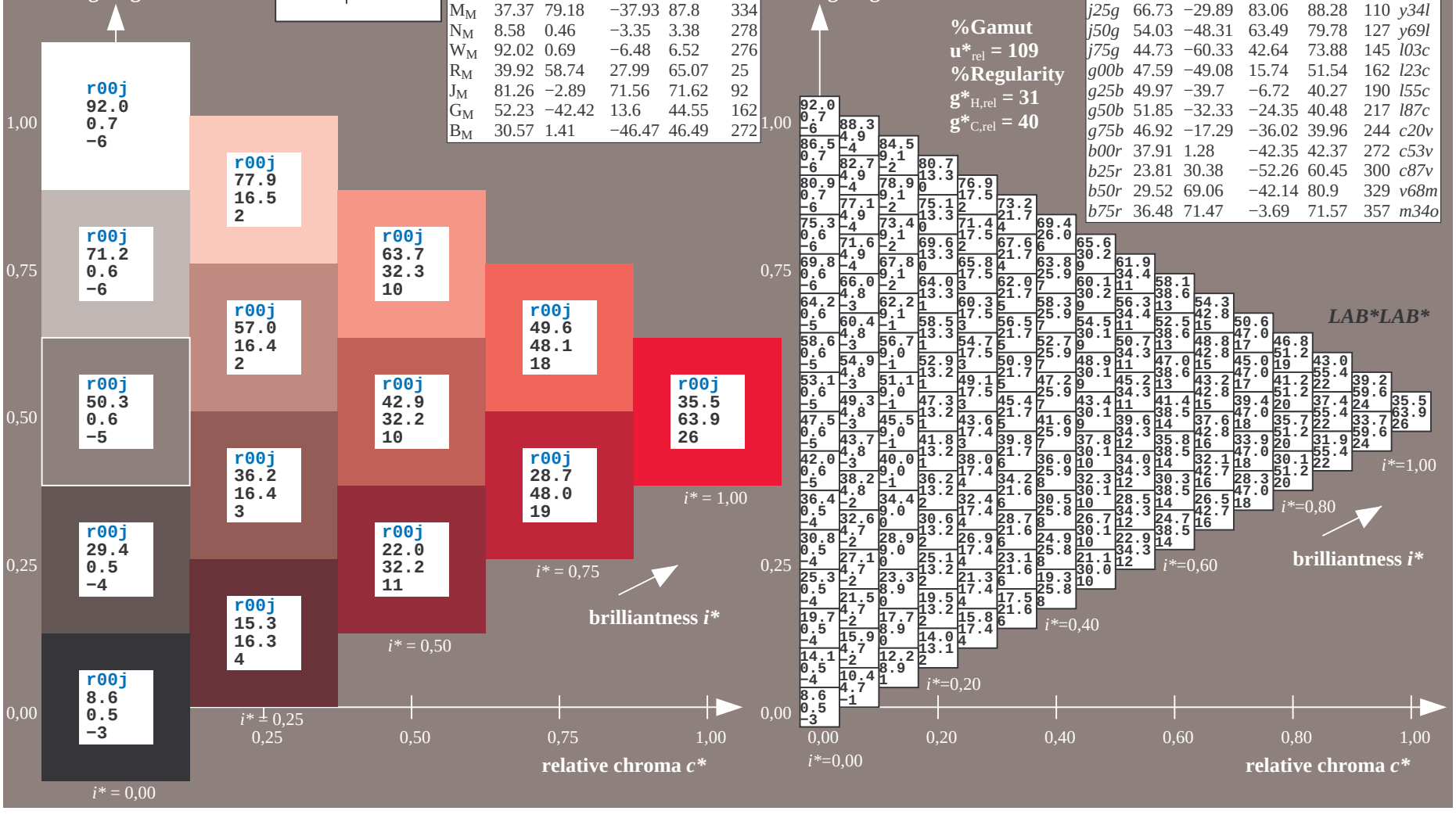
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u^*_e = *r00j*
LAB*LAB*

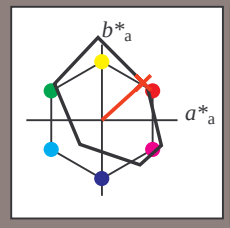
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

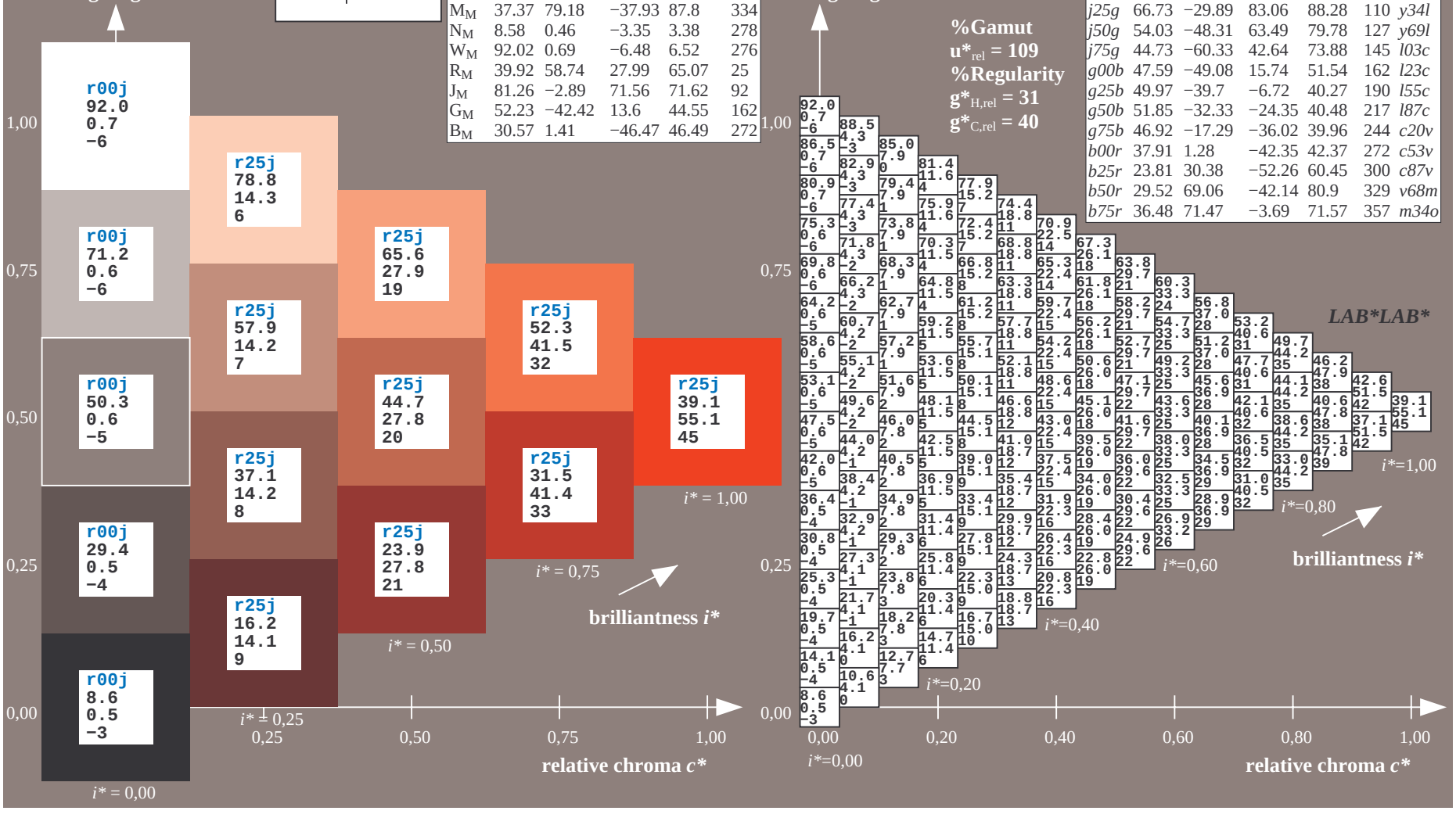
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

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

u^*_e = *r25j*
LAB*LAB*

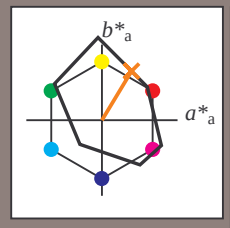
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_e	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

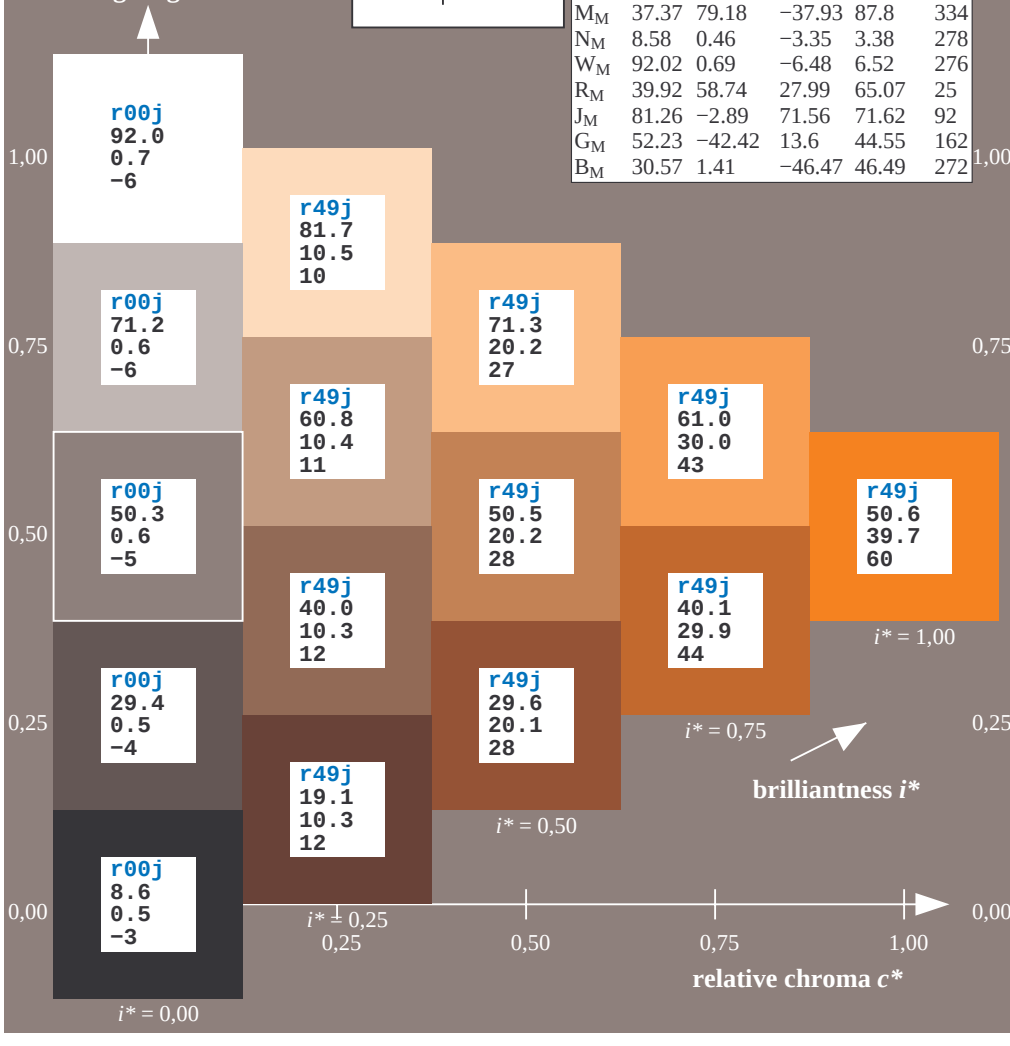
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

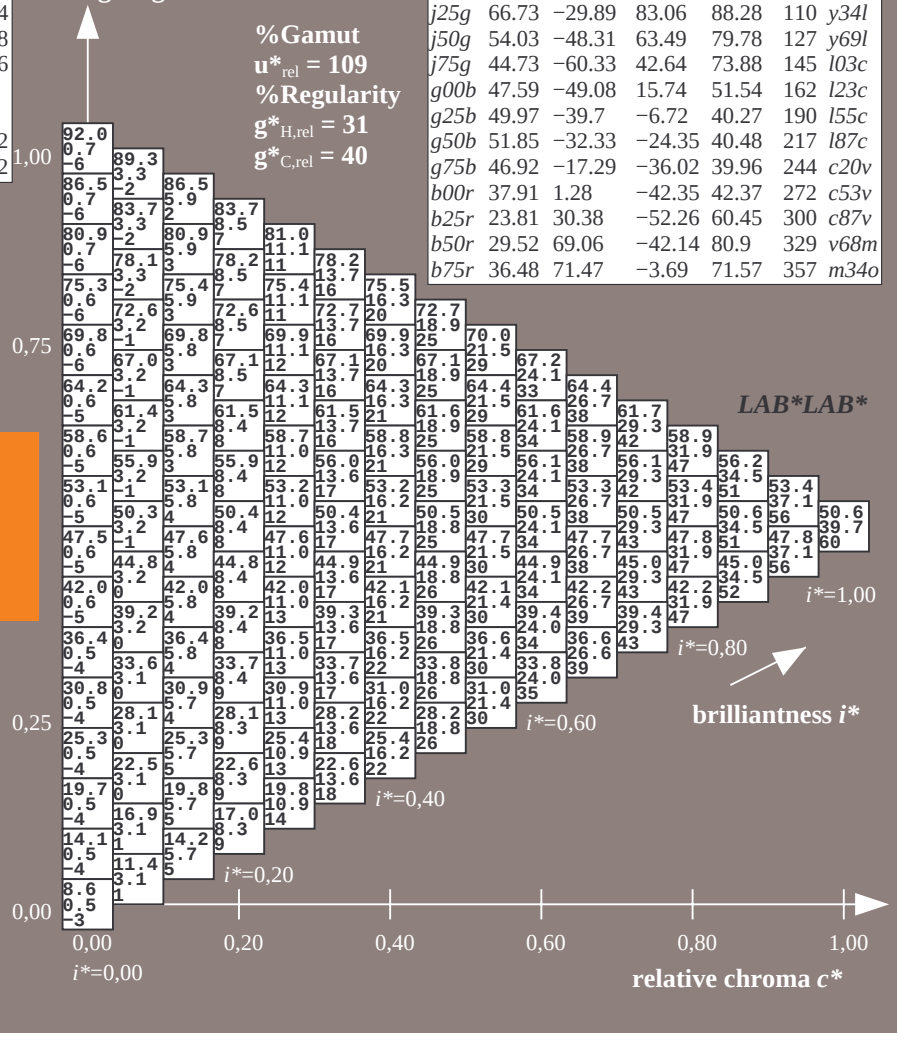
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r50j*
LAB*LAB*

FRS09_92aM; 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*

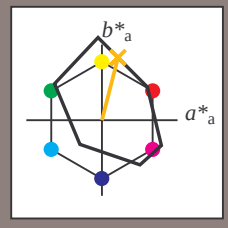




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

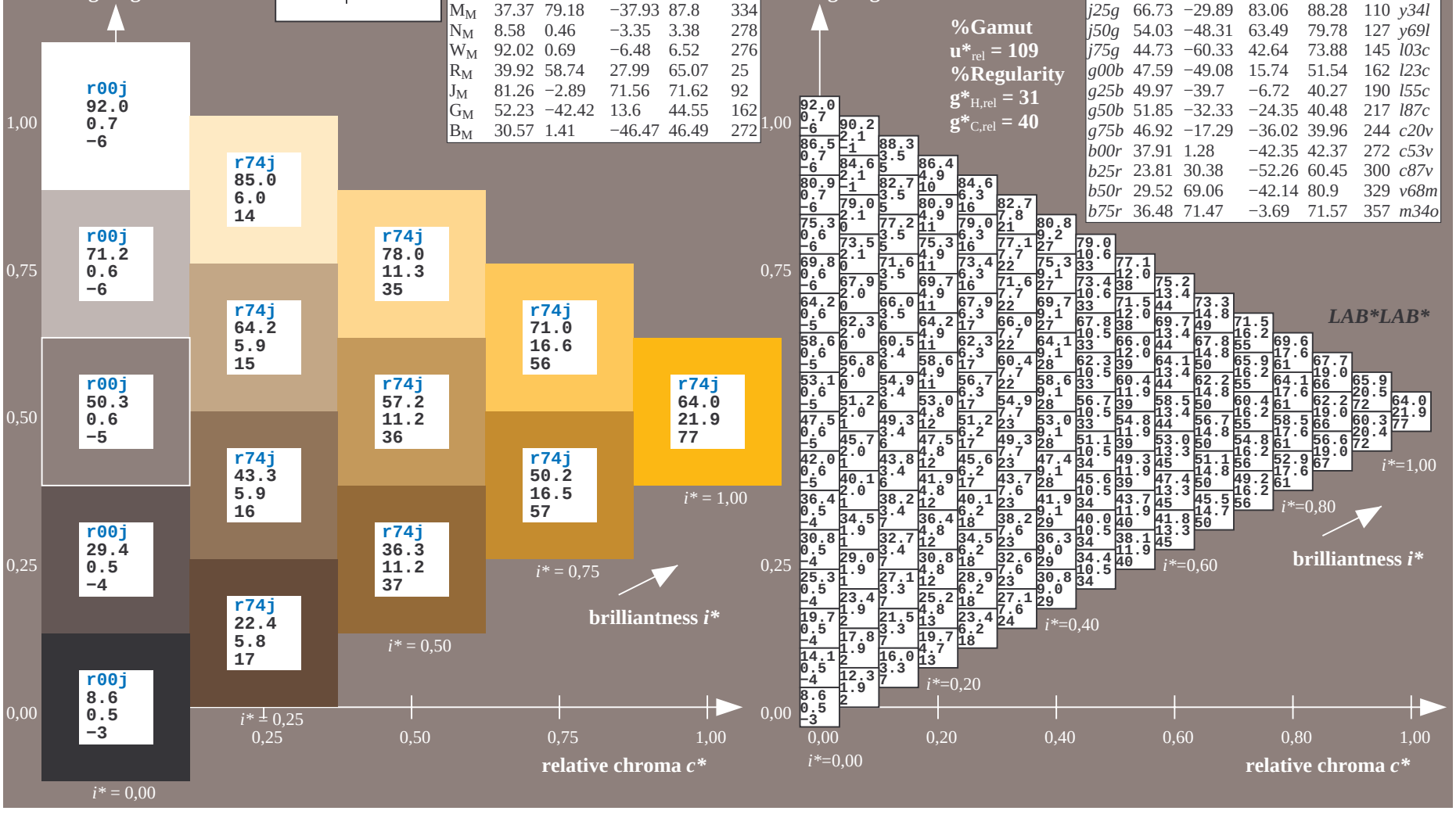
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 64 21 83
LAB*LCH*$_{Ma}$: 64 86 75
lab*rgb*$_{Ma}$: 1.0 0.75 0.0
lab*olv*$_{Ma}$: 1.0 0.7 0.0
triangle lightness *t**

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

u^*_e = *r75j*
LAB*LAB*

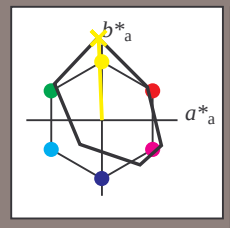
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

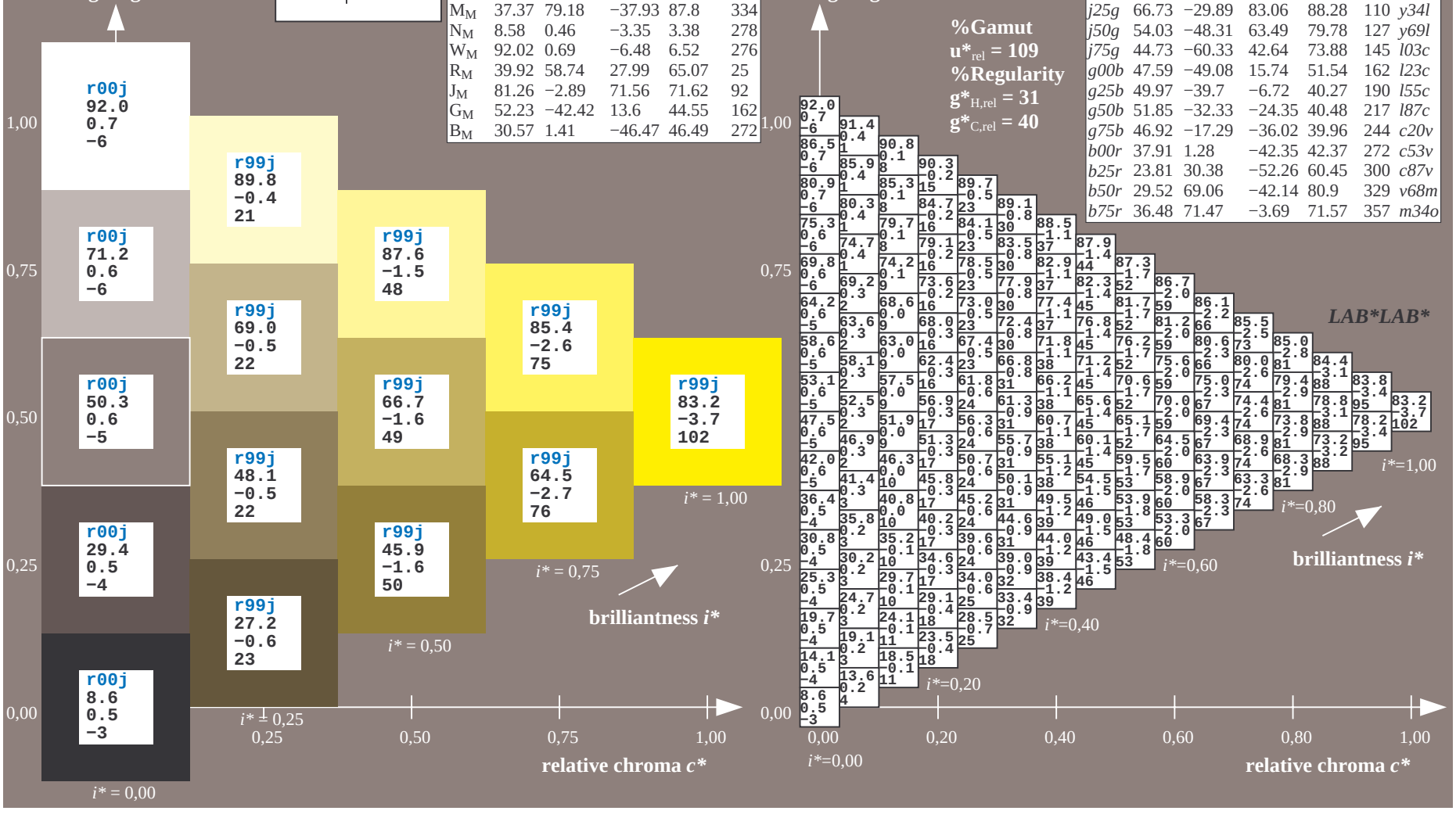
u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 83 −4 109
LAB*LCH*$_{Ma}$: 83 109 92
lab*rgb*$_{Ma}$: 1.0 1.0 0.0
lab*olv*$_{Ma}$: 1.0 0.99 0.0
triangle lightness *t**

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

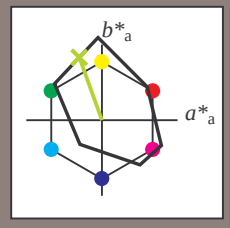
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

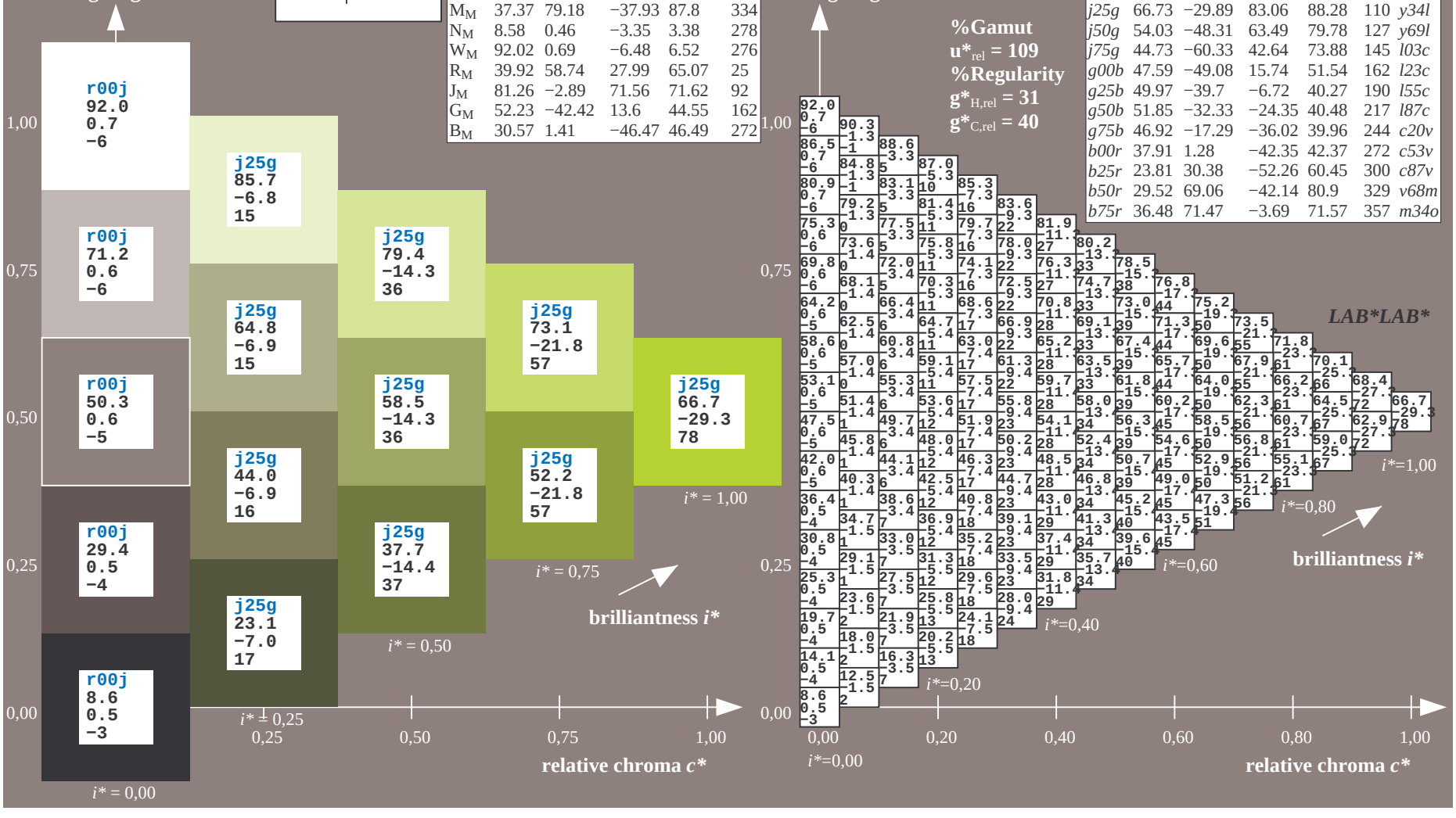
u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

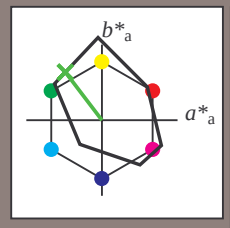
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

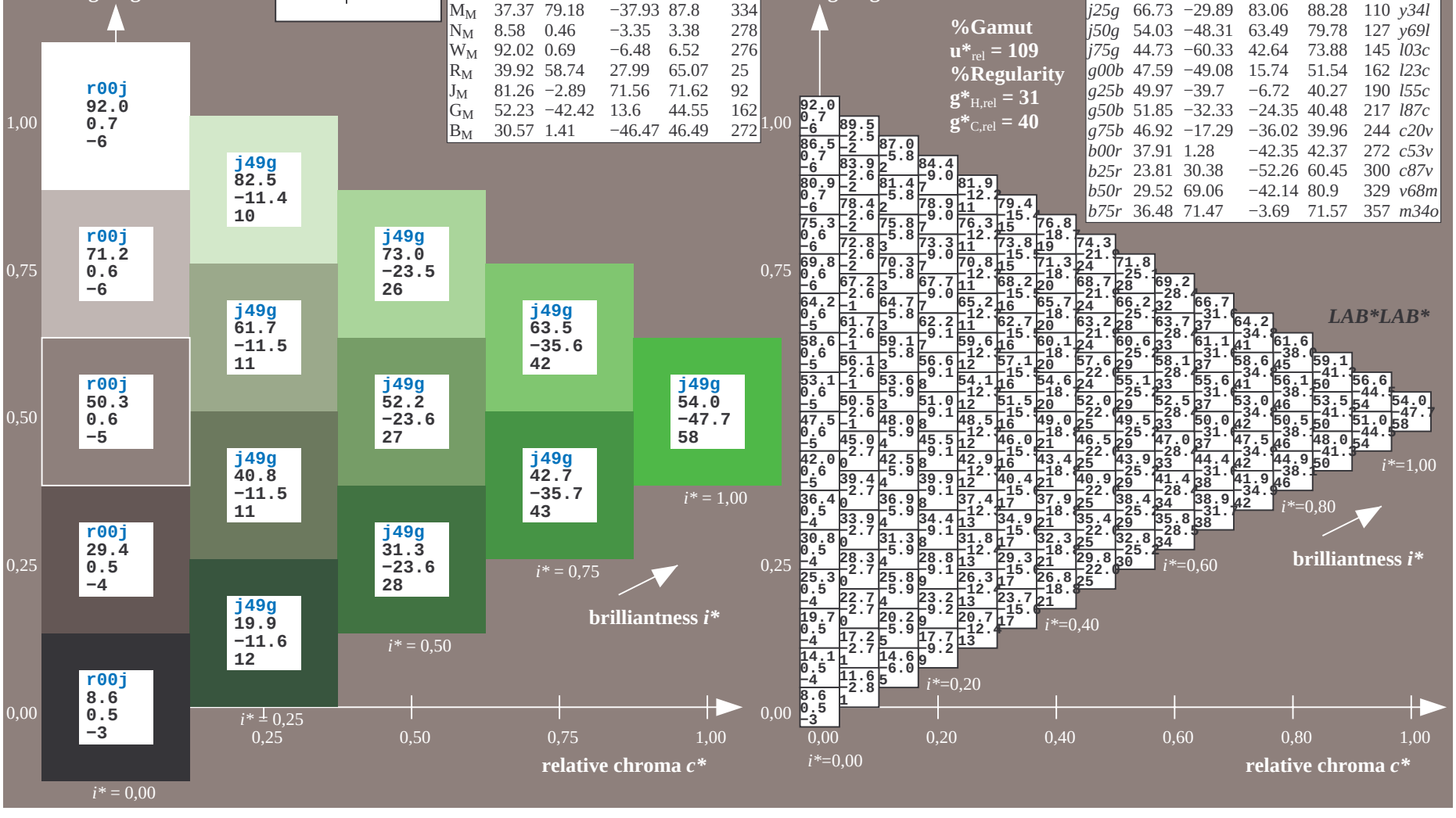
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 54 −48 63
LAB*LCH*$_{Ma}$: 54 80 127
lab*rgb*$_{Ma}$: 0.5 1.0 0.0
lab*olv*$_{Ma}$: 0.3 1.0 0.0
triangle lightness *t**

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

u^*_e = *j50g*
LAB*LAB*

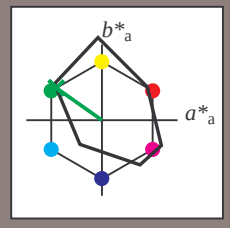
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
$c_R = 1.0$
triangle lightness *t**



FRS09_92M; CIELAB data

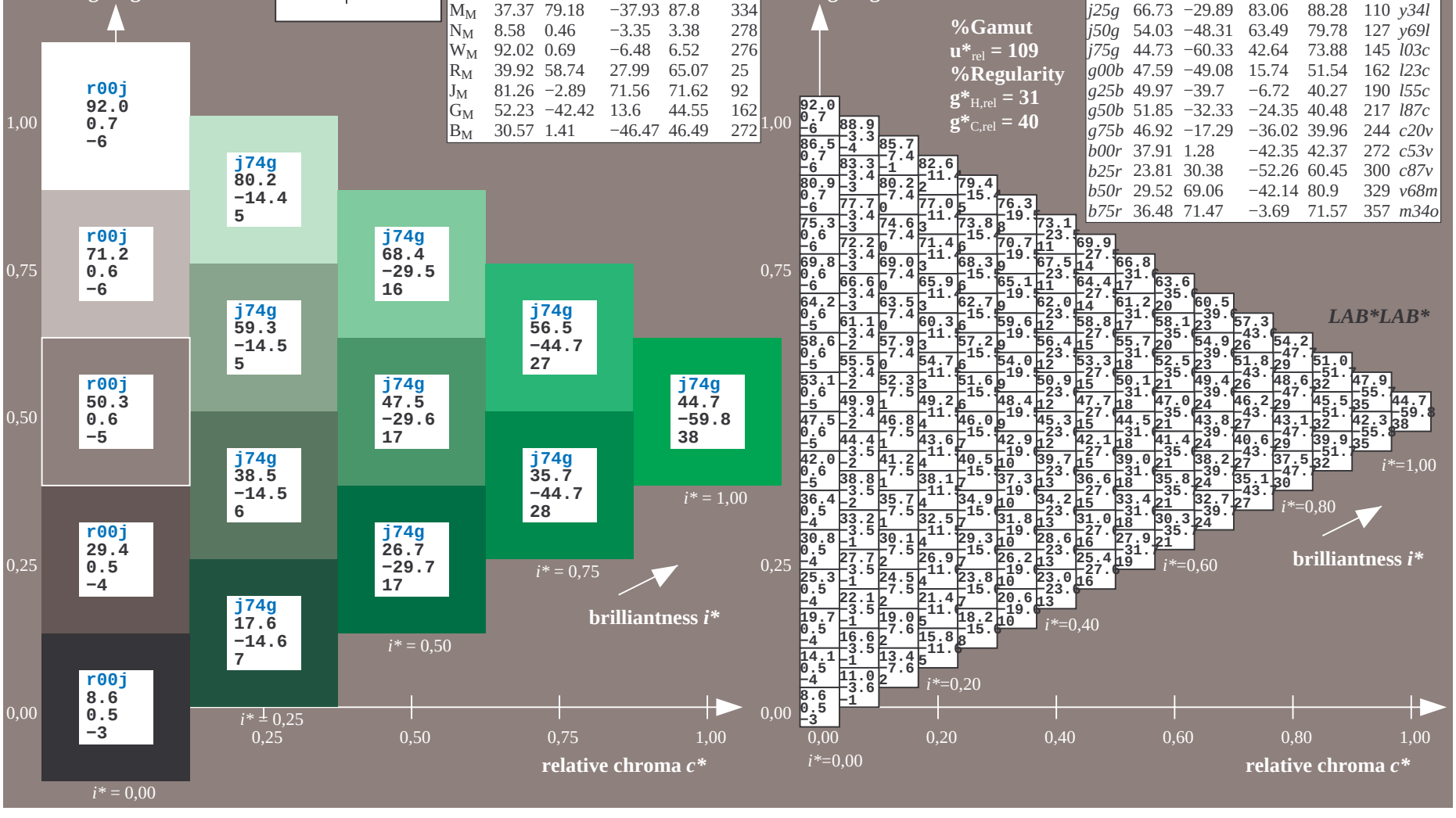
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 45 −60 43
*LAB*LCH**$_{Ma}$: 45 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

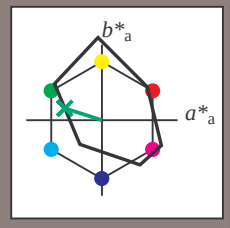
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92M; CIELAB data

u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

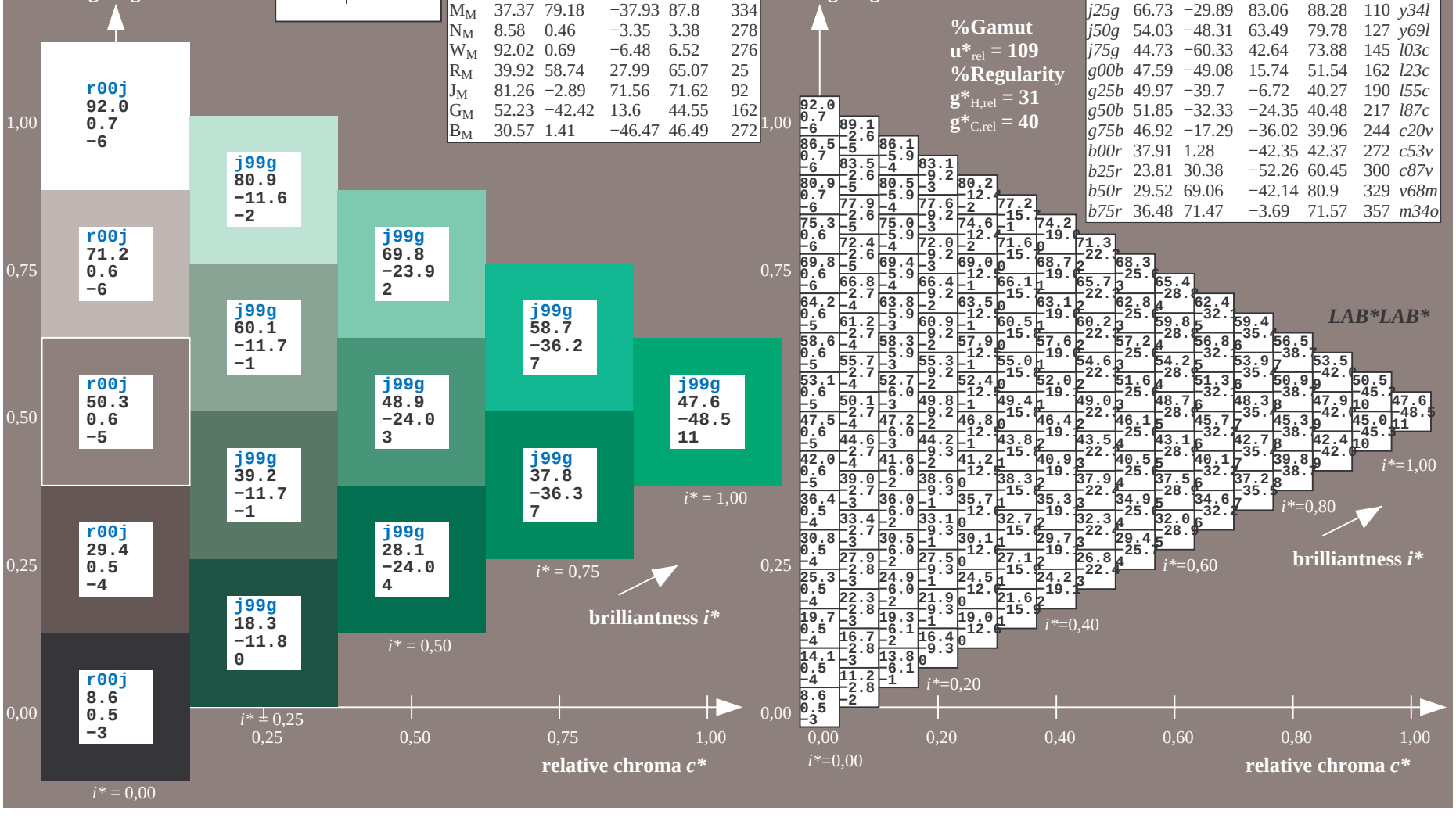
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

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

u^*_e = *g00b*
LAB*LAB*

FRS09_92aM; adapted (a) CIELAB data

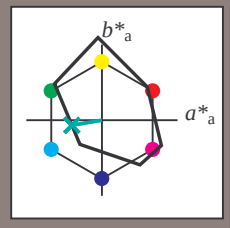
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92M; CIELAB data

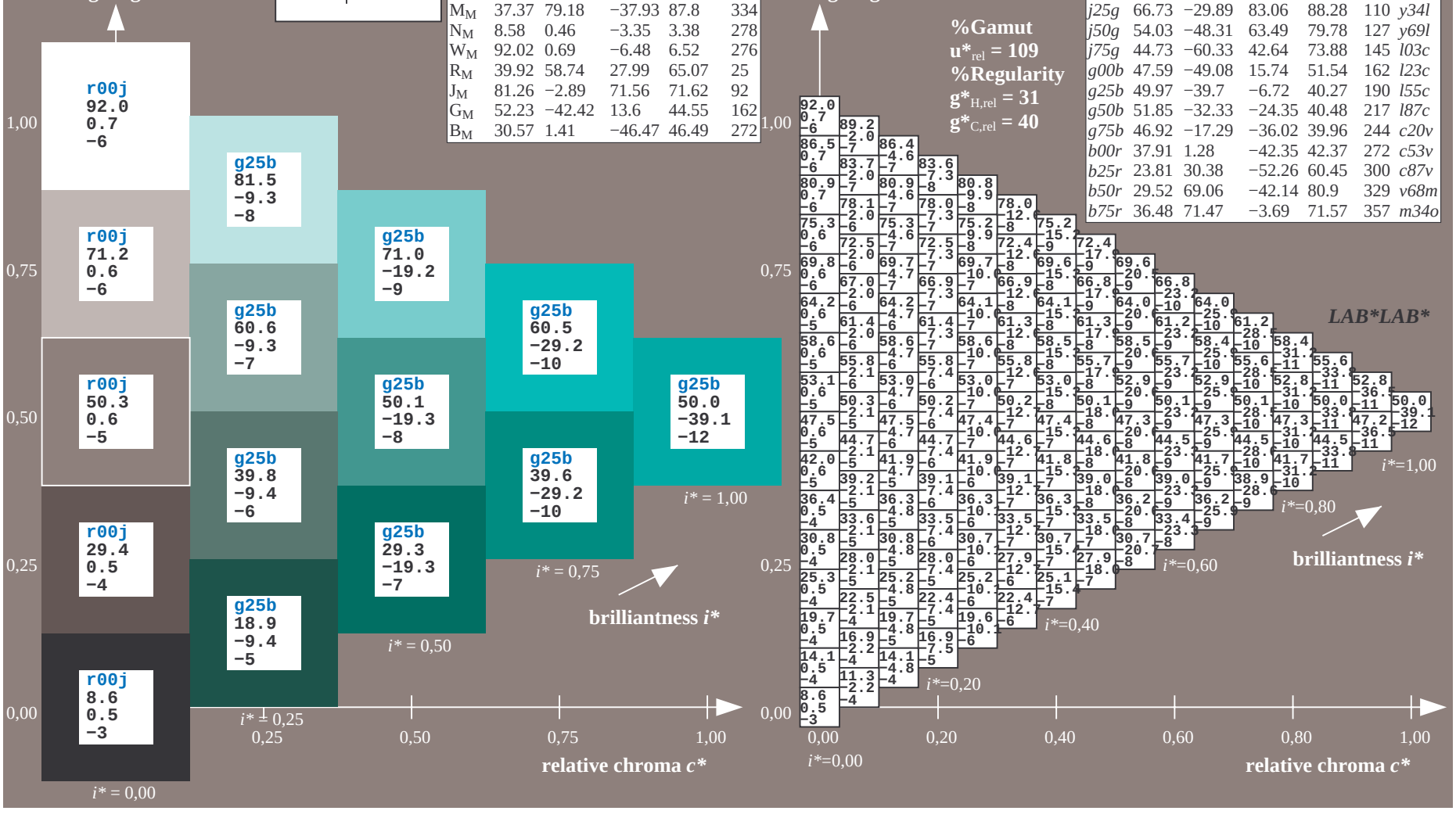
u^*_e	L*=L*	a*	b*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	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

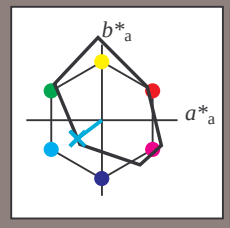
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92M; CIELAB data

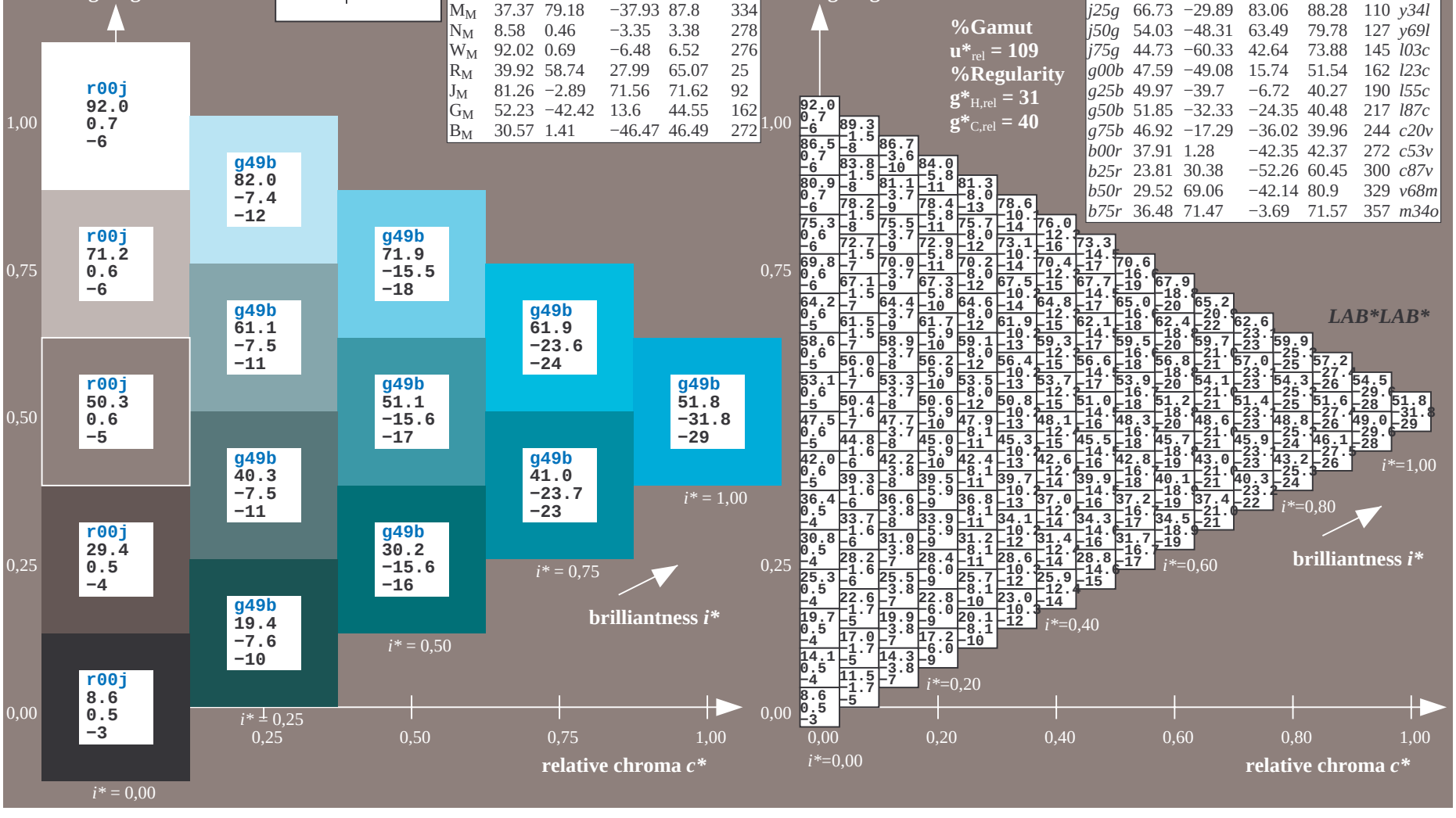
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	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

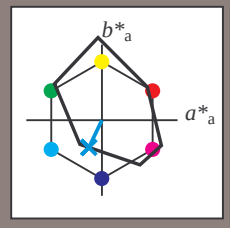
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92M; CIELAB data

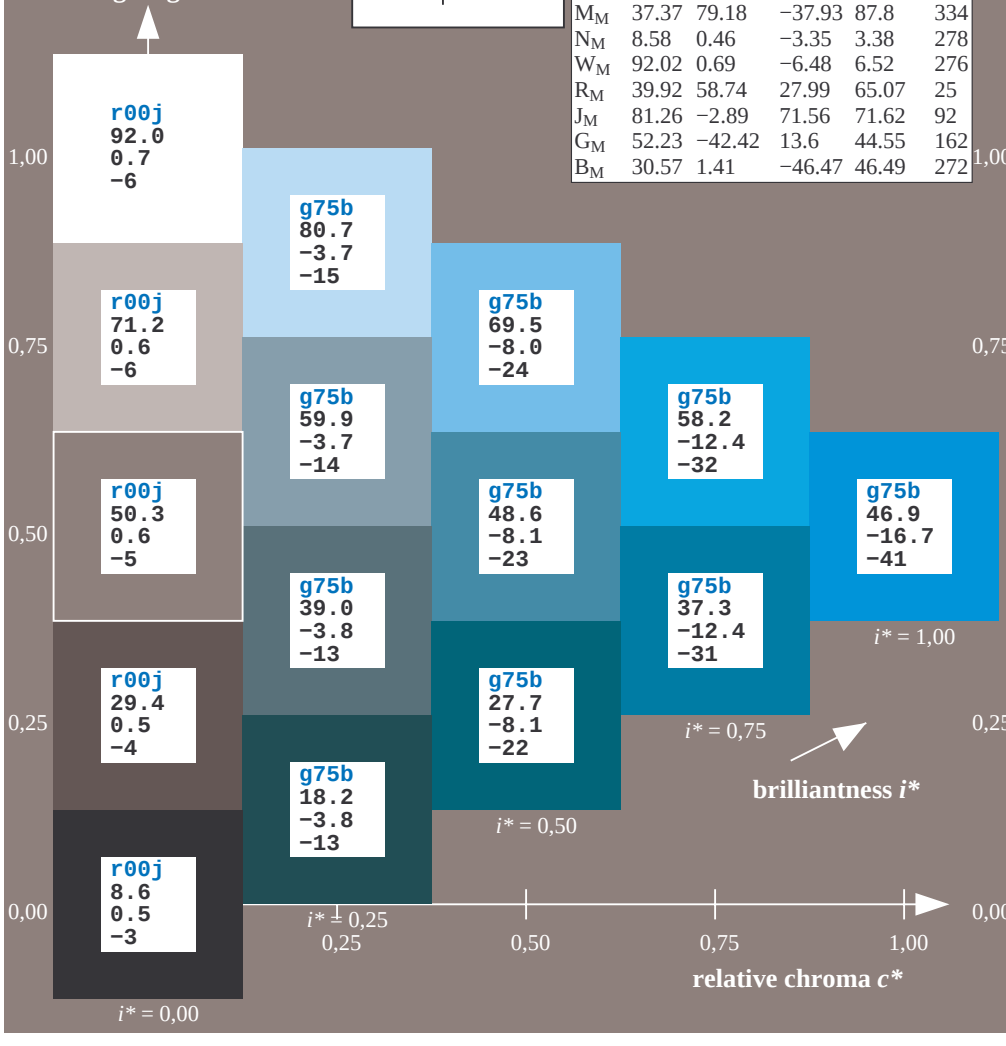
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

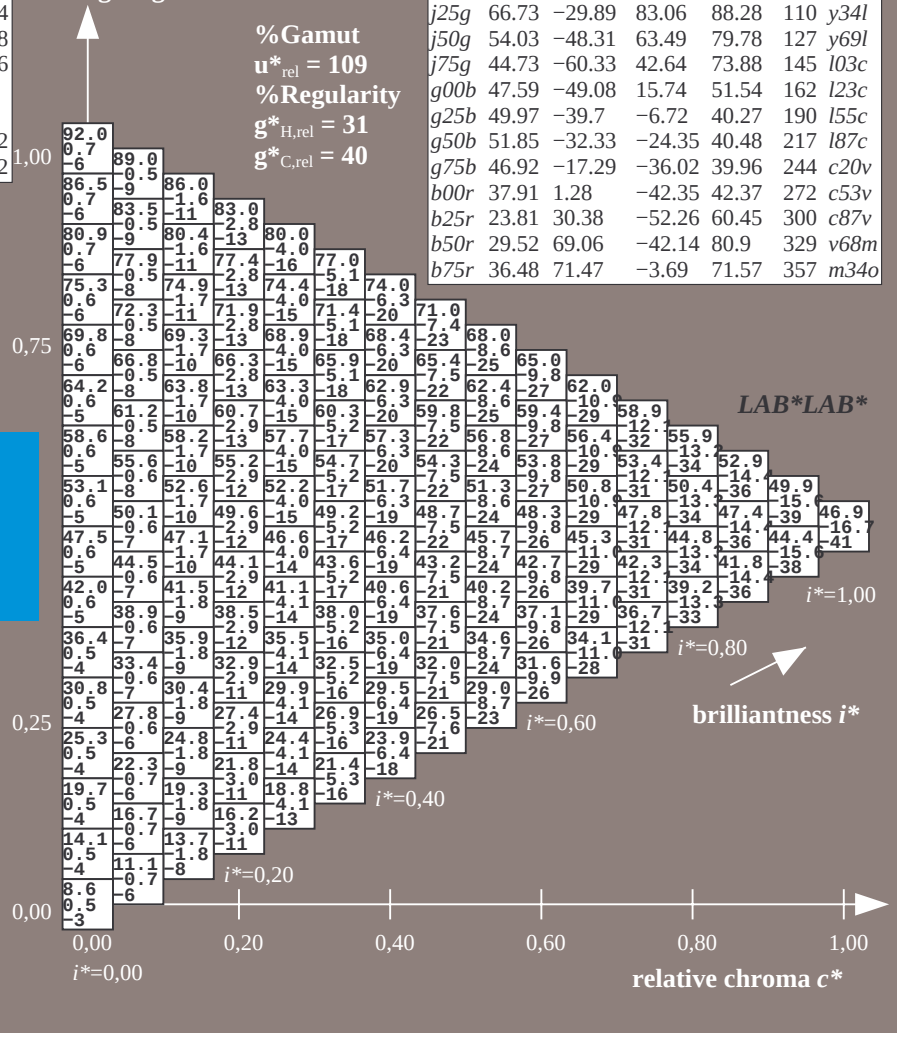
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −17 −36
*LAB*LCH**$_{Ma}$: 47 40 244
*lab*rgb**$_{Ma}$: 0.0 0.5 1.0
*lab*olv**$_{Ma}$: 0.0 0.8 1.0
triangle lightness *t**

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

FRS09_92aM; adapted (a) CIELAB data

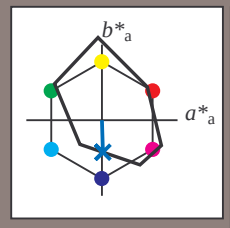
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

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_92M; CIELAB data

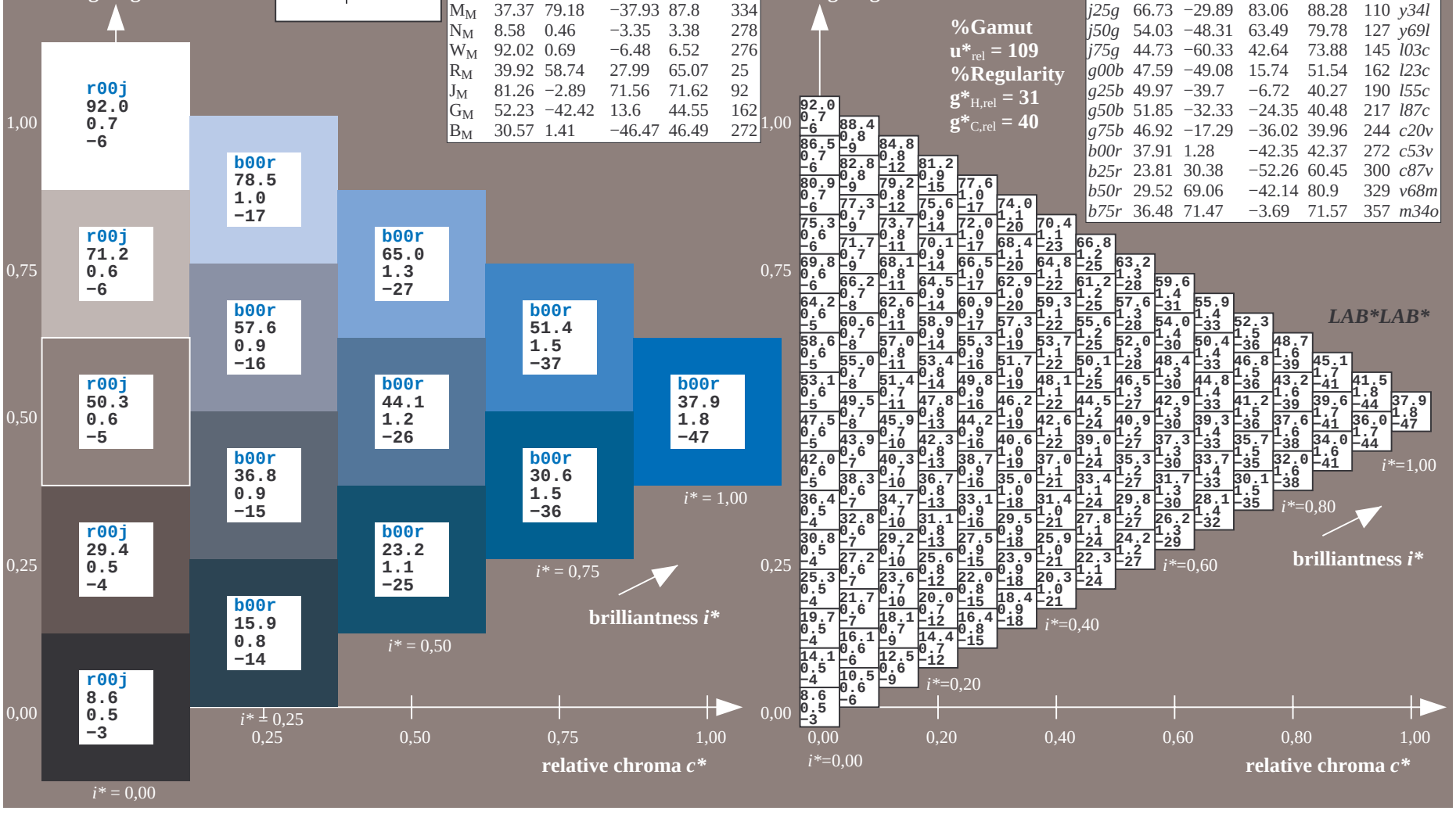
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	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

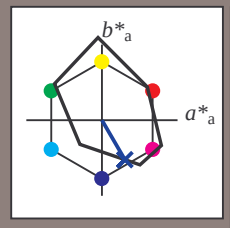
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92M; CIELAB data

u^*_e	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

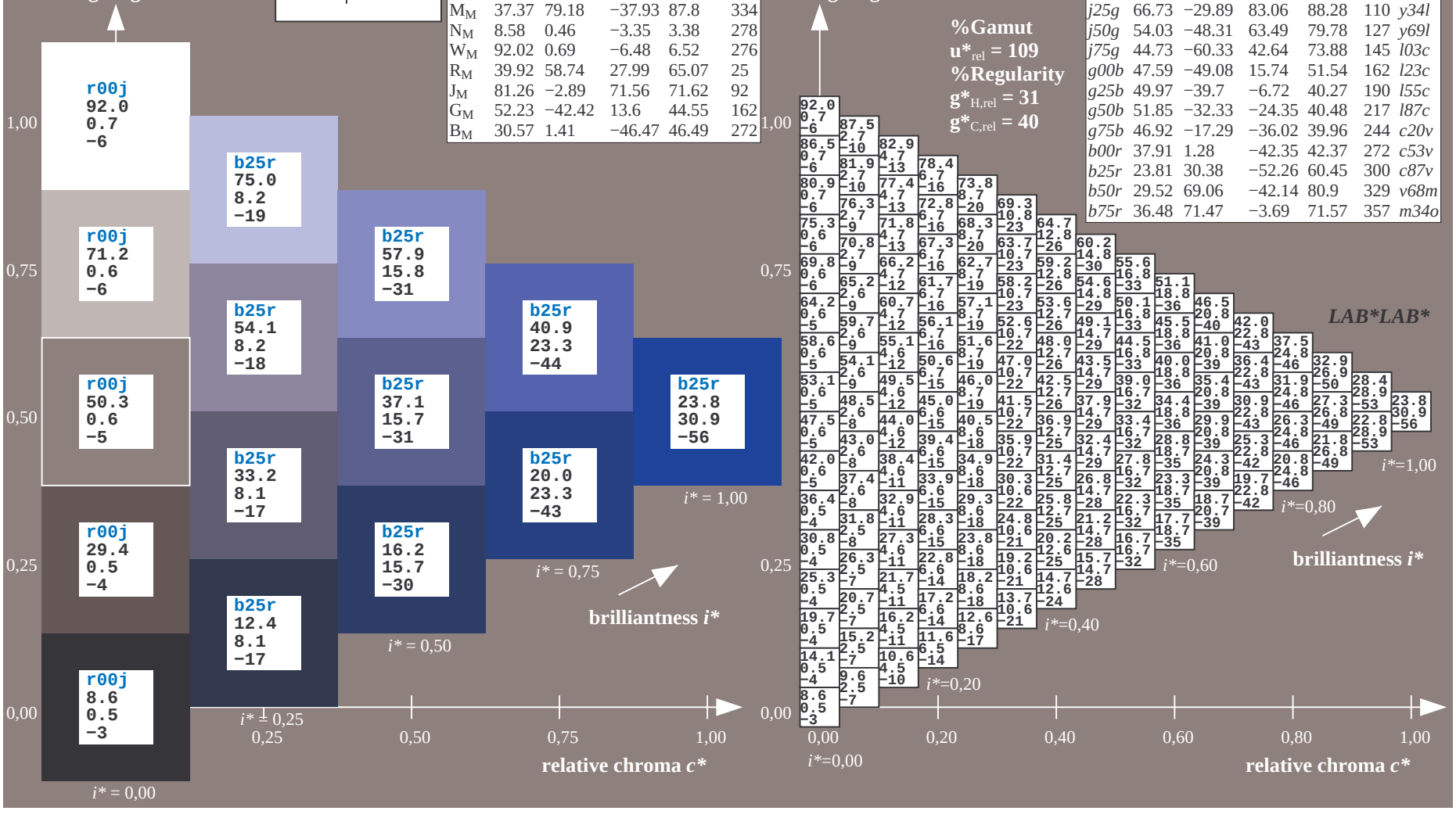
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 24 30 −52
LAB*LCH*$_{Ma}$: 24 60 300
lab*rgb*$_{Ma}$: 0.5 0.0 1.0
lab*olv*$_{Ma}$: 0.0 0.12 1.0
triangle lightness *t**

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

u^*_e = *b25r*
LAB*LAB*

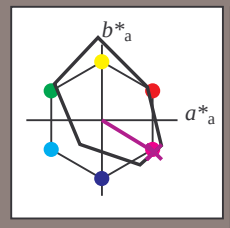
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

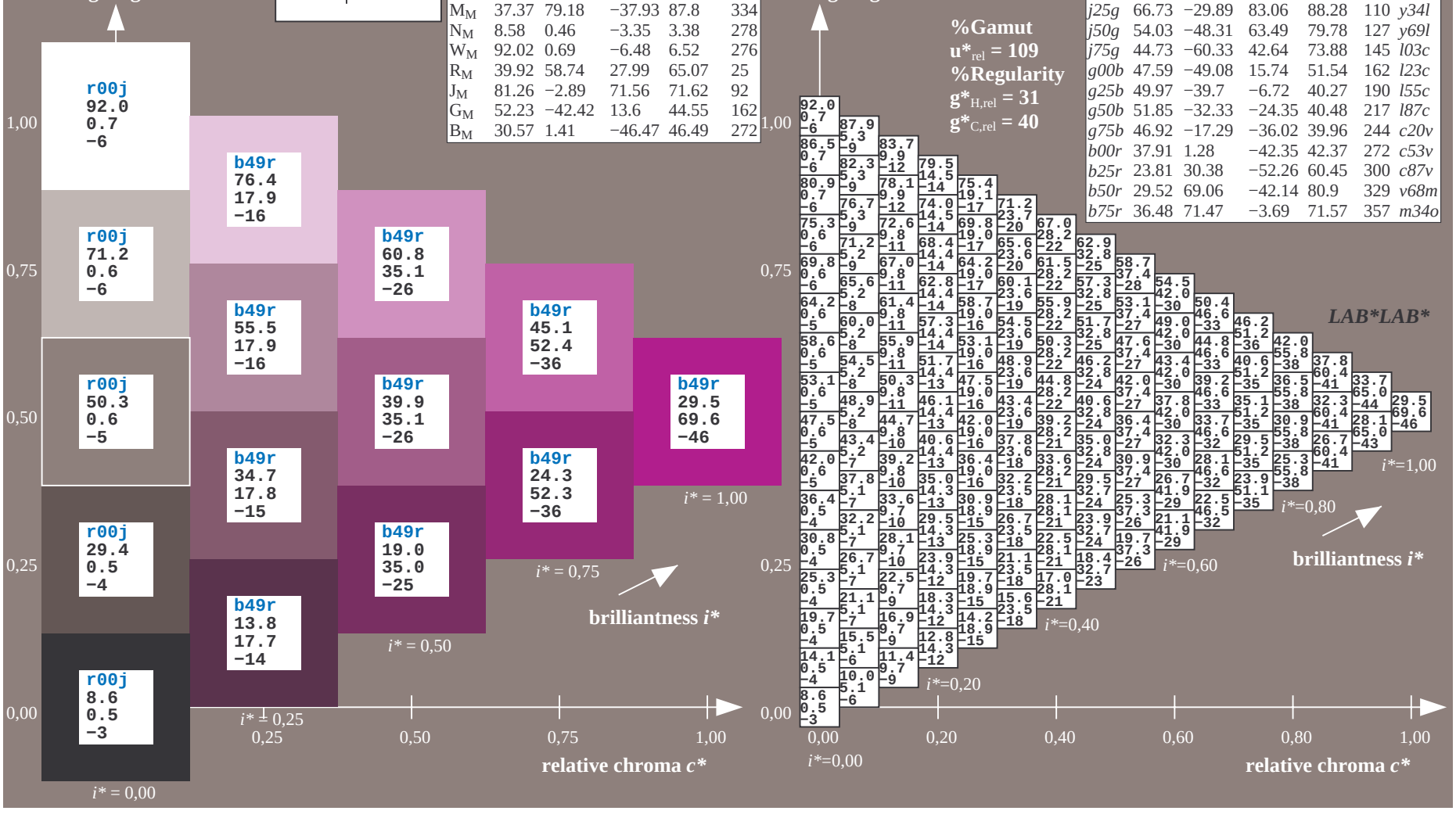
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

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

u^*_e **=** ***b50r***
LAB*LAB*

FRS09_92aM; adapted (a) CIELAB data

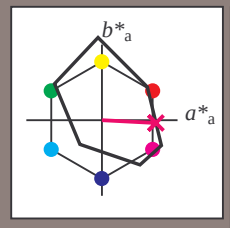
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

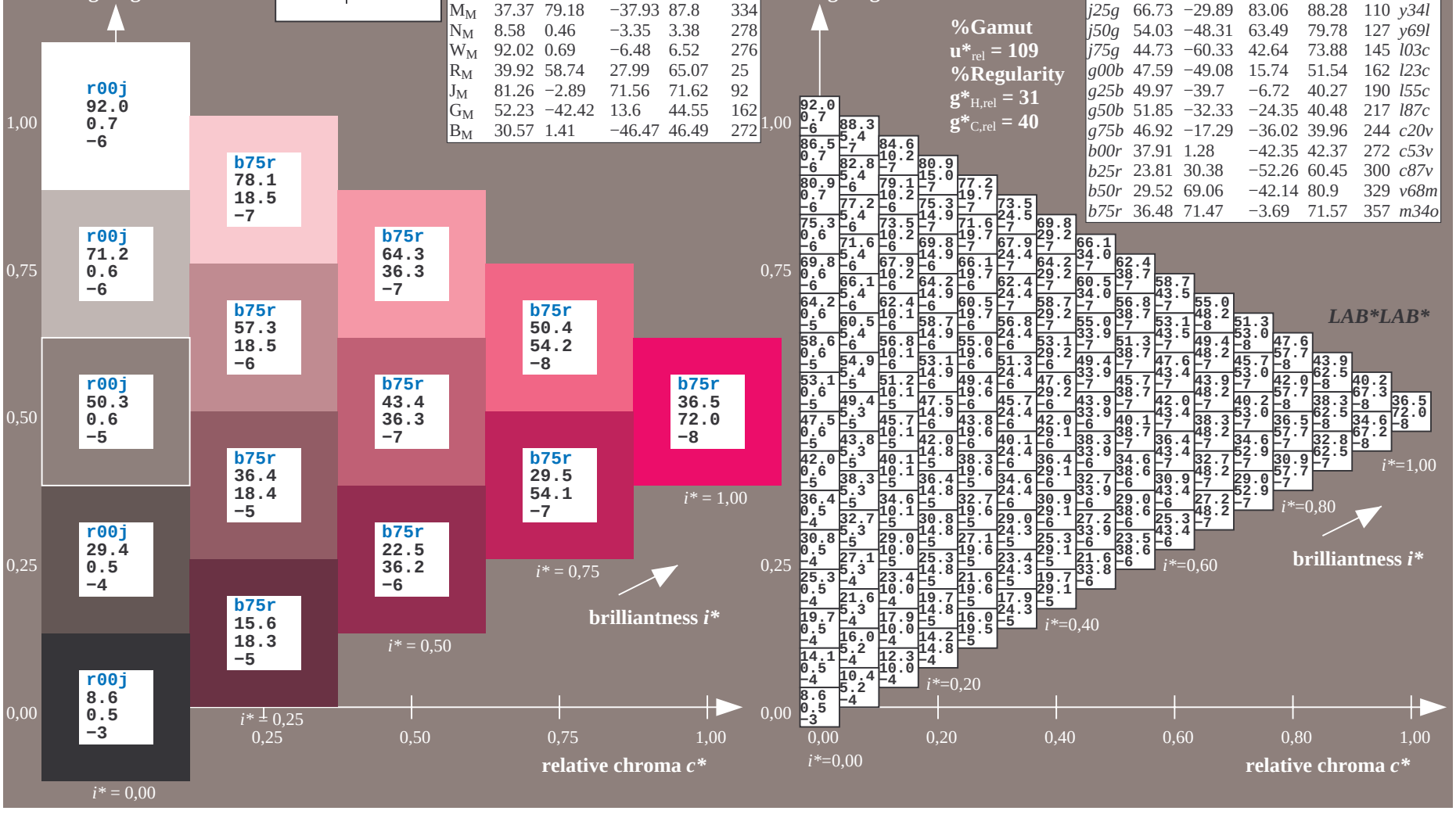
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 36 71 −4
LAB*LCH*$_{Ma}$: 36 72 357
lab*rgb*$_{Ma}$: 1.0 0.0 0.5
lab*olv*$_{Ma}$: 1.0 0.0 0.66
triangle lightness *t**

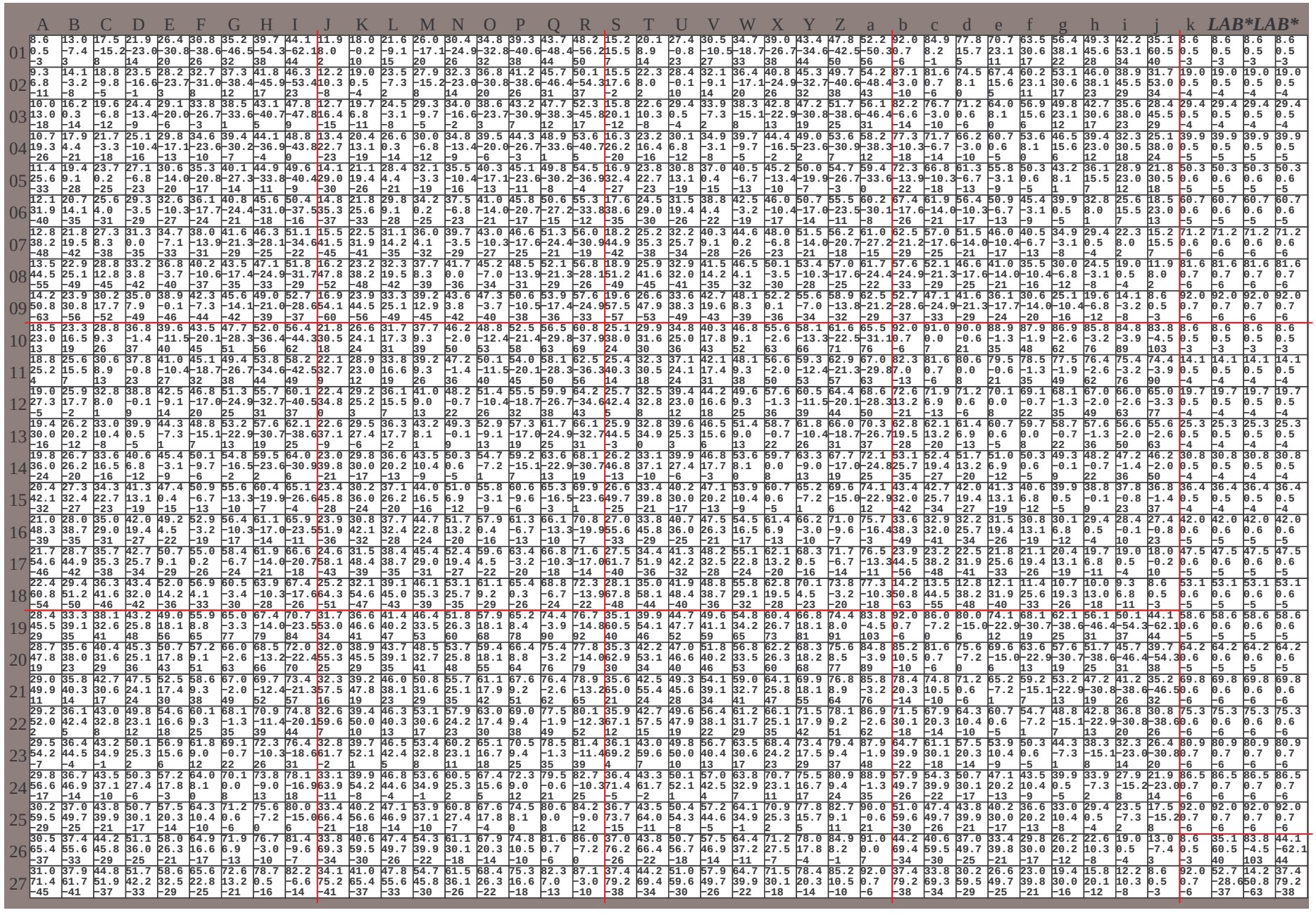
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b75r*
LAB*LAB*

FRS09_92aM; 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*



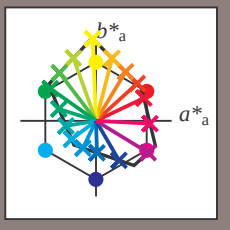


input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

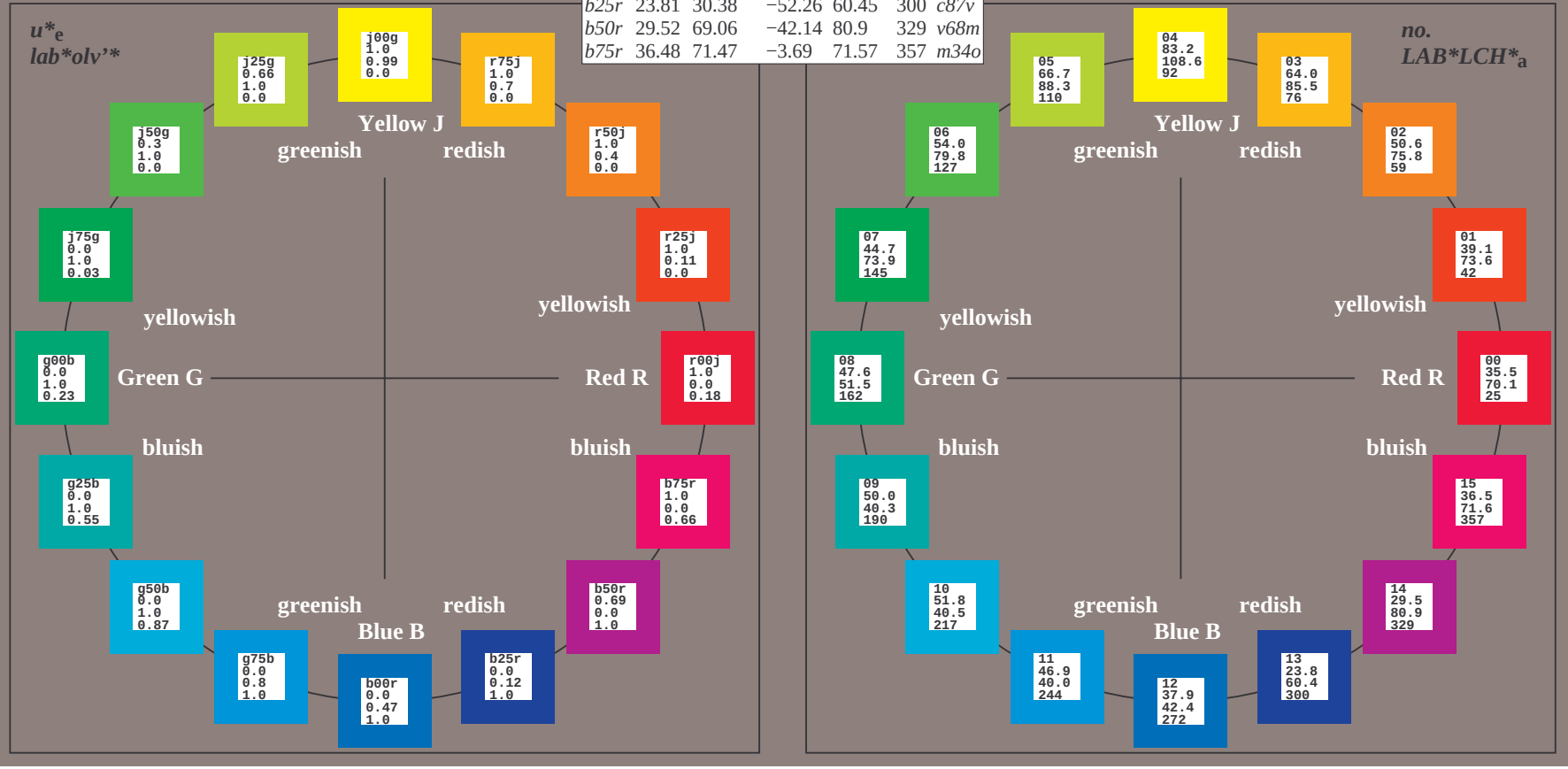
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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

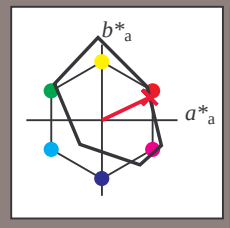
FRS09_92aM; CIELAB data

Name	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
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



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

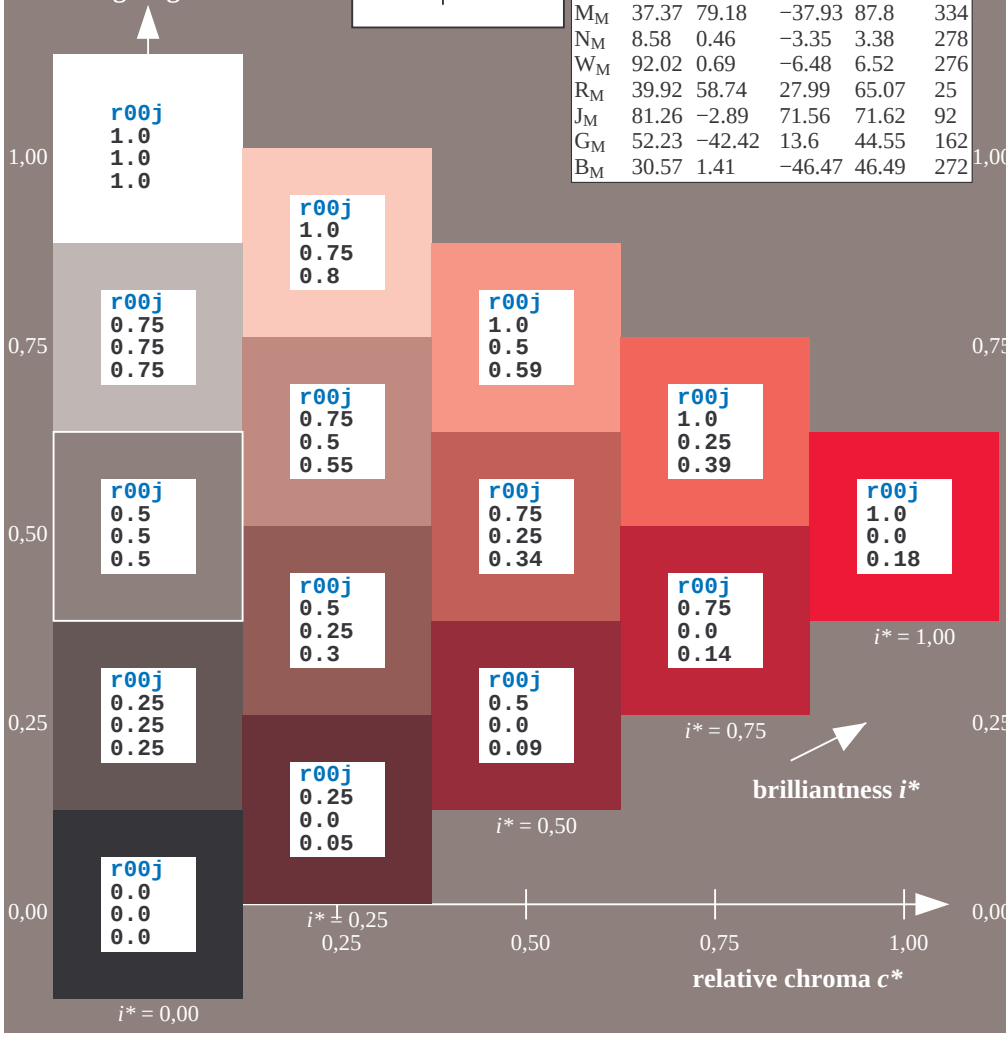
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

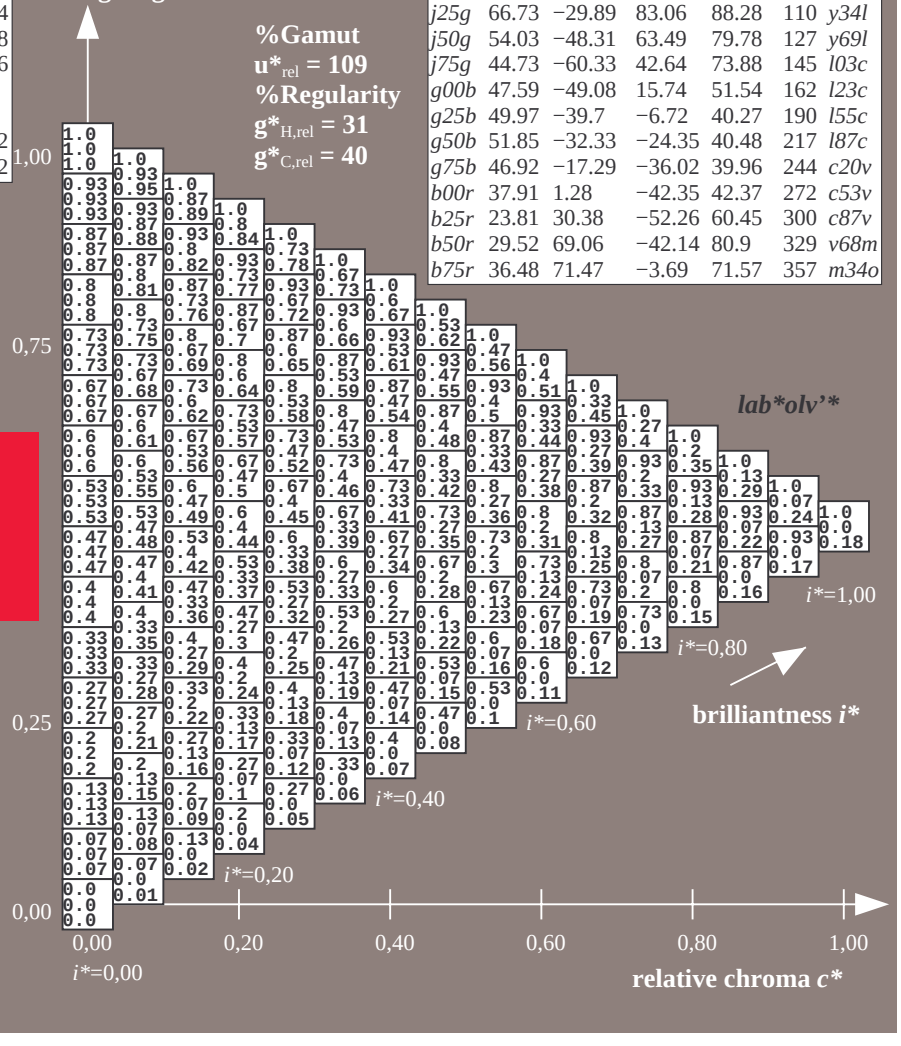
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

FRS09_92aM; adapted (a) CIELAB data

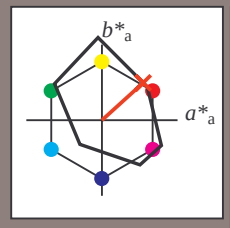
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

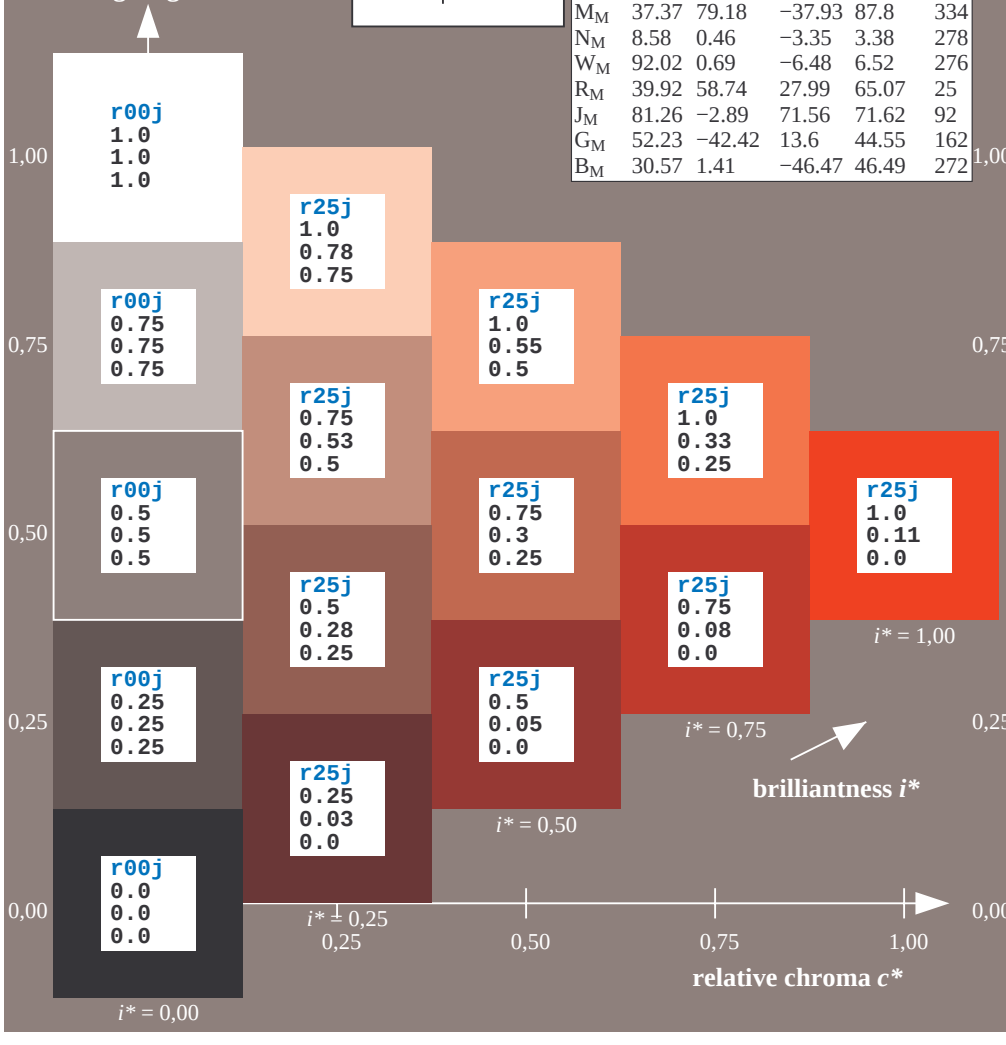
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

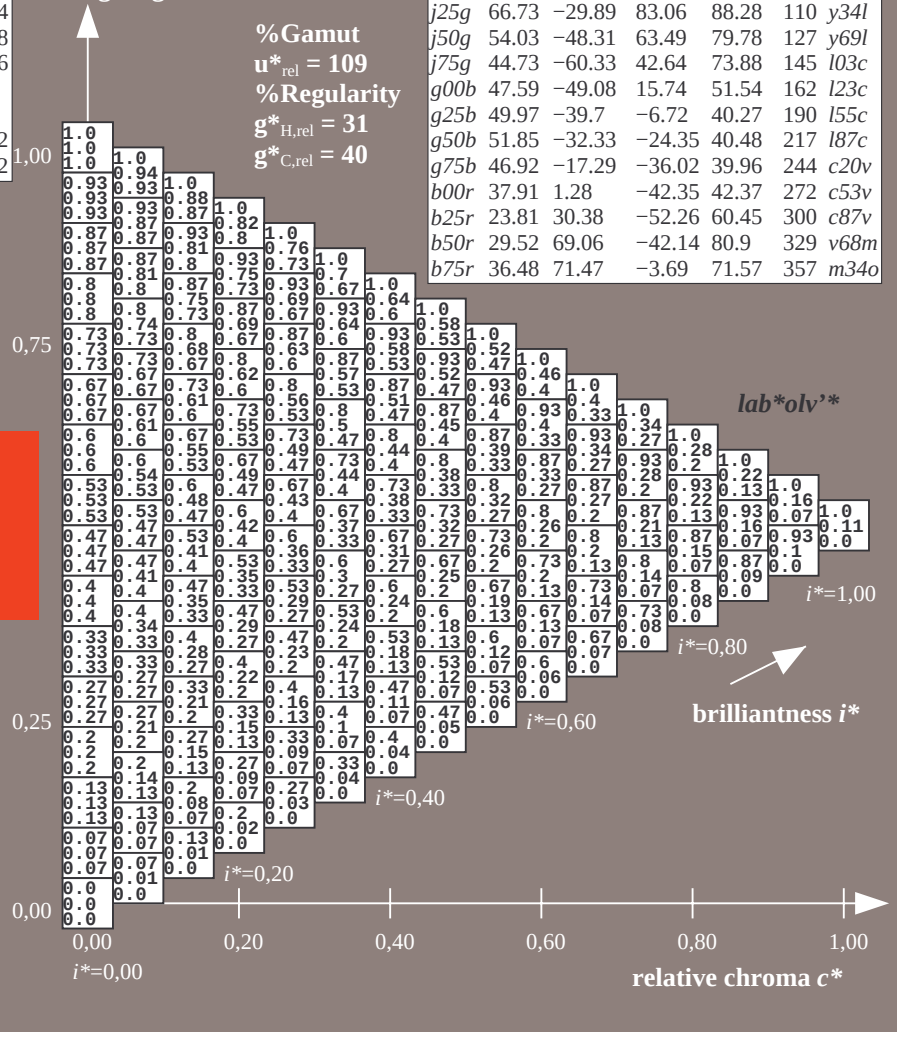
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r25j*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

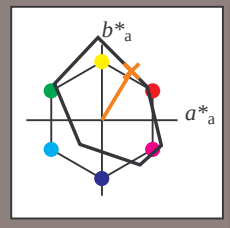
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

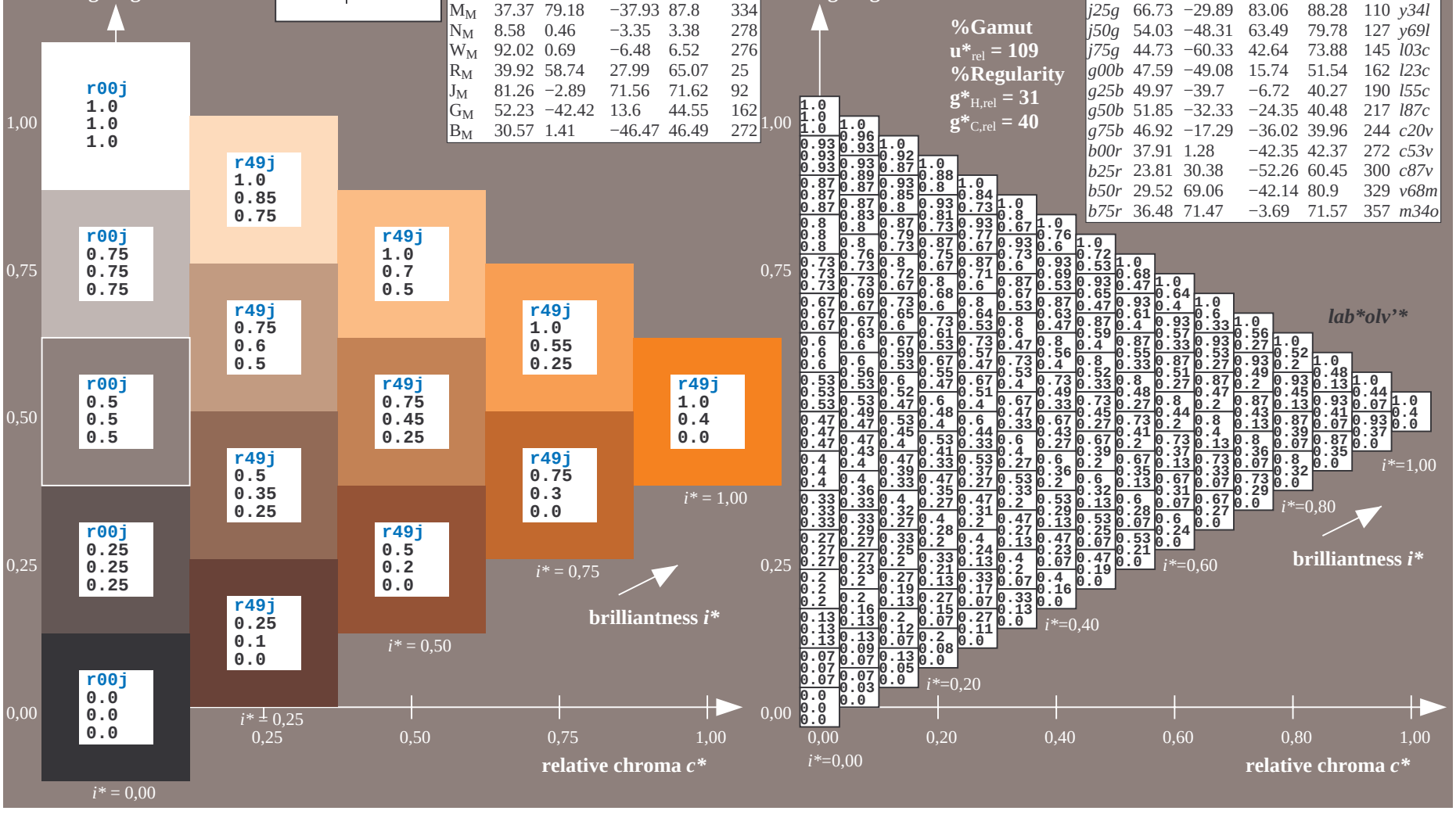
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

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

u^*_e = *r50j*
lab*olv'*

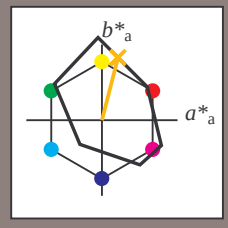
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

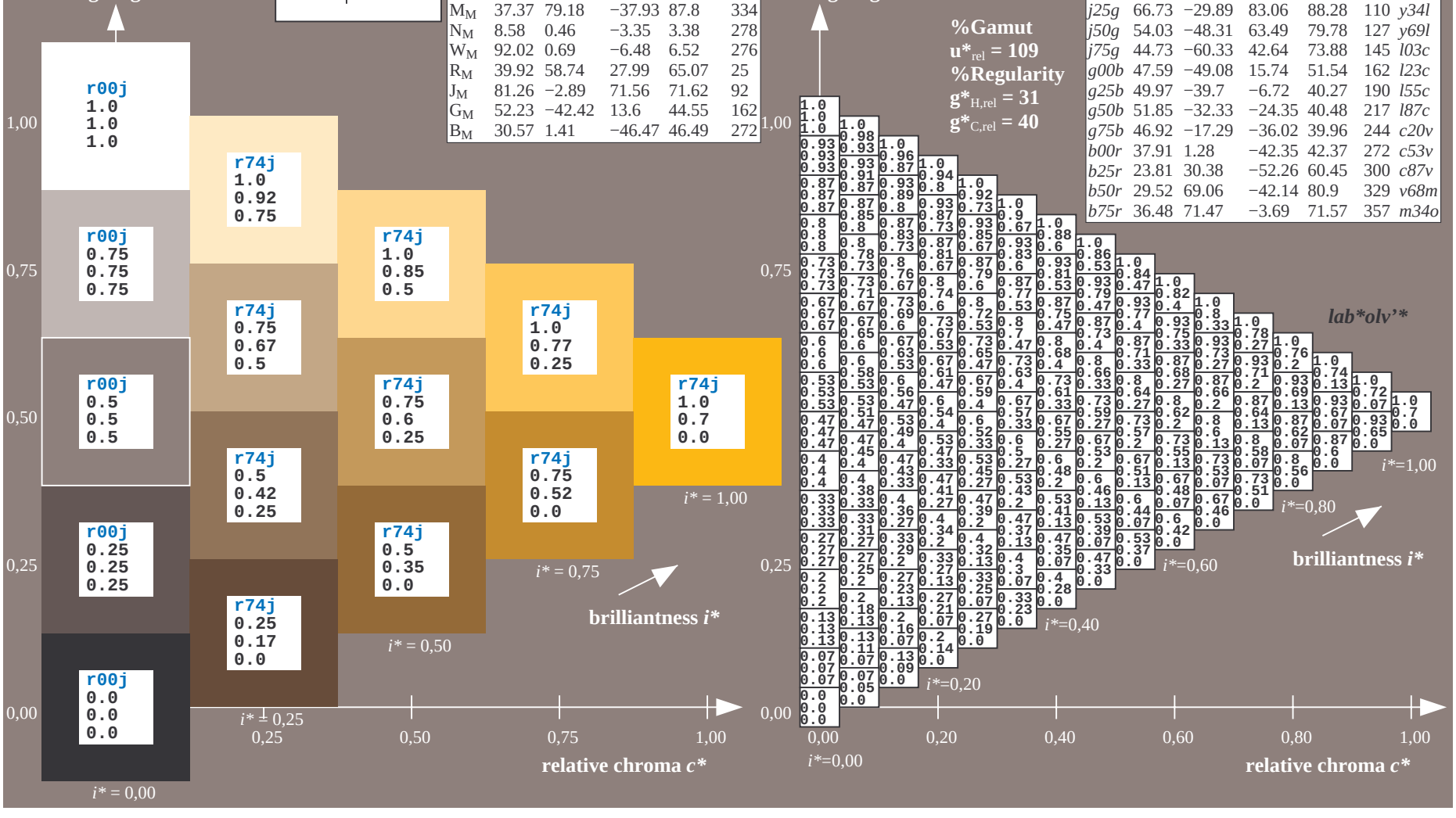
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

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

u^*_e = *r75j*
lab*olv'*

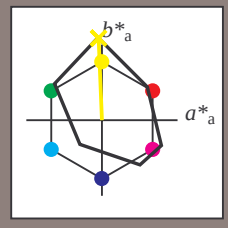
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

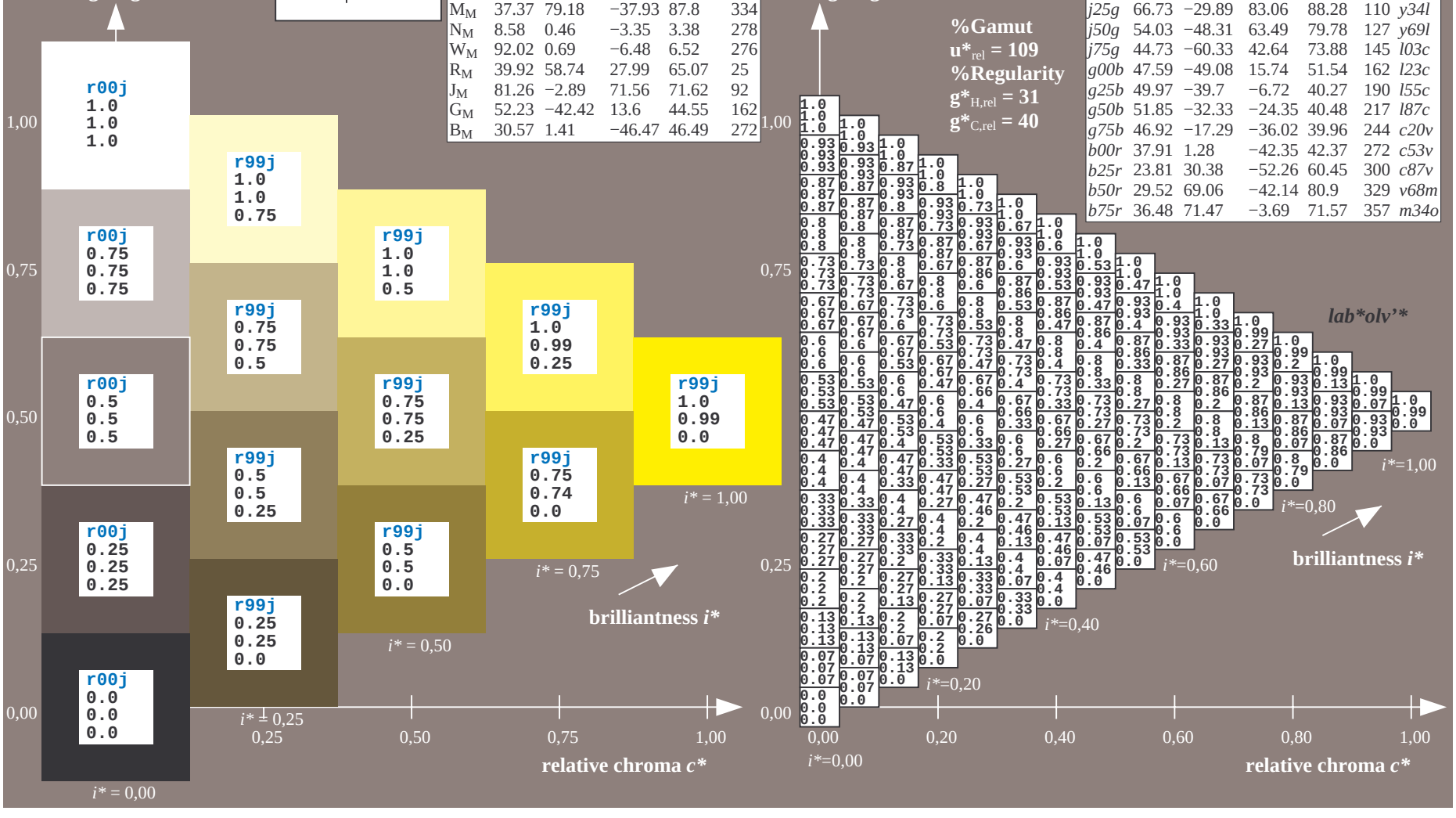
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
*lab*olv'**

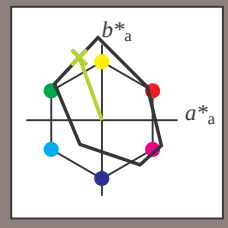
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

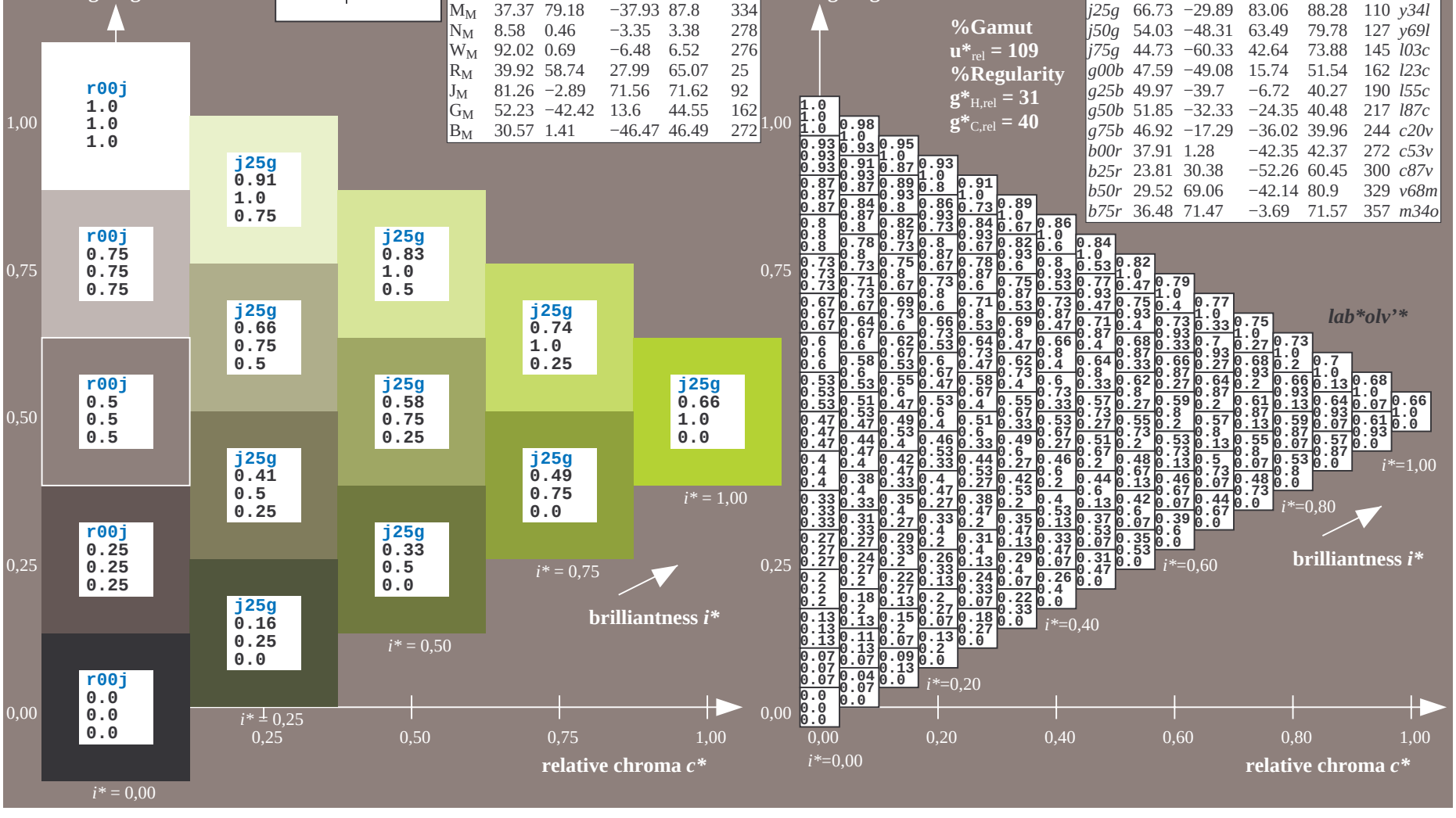
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j25g*
lab*olv'*

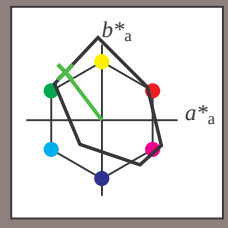
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

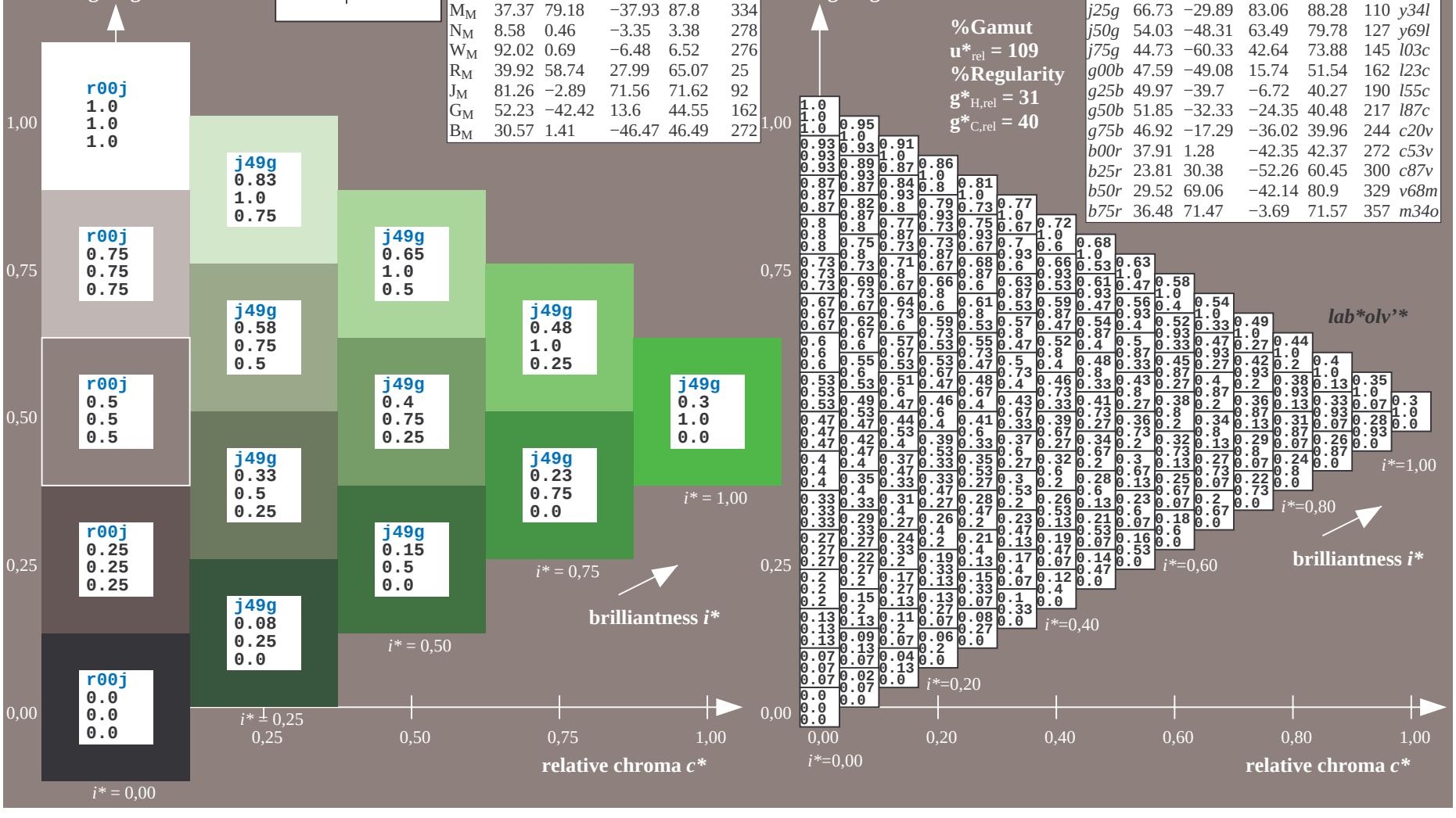
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 54 −48 63
LAB*LCH*$_{Ma}$: 54 80 127
lab*rgb*$_{Ma}$: 0.5 1.0 0.0
lab*olv*$_{Ma}$: 0.3 1.0 0.0
triangle lightness *t**

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

u^*_e = *j50g*
lab*olv'*

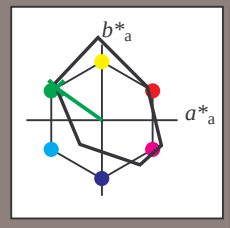
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

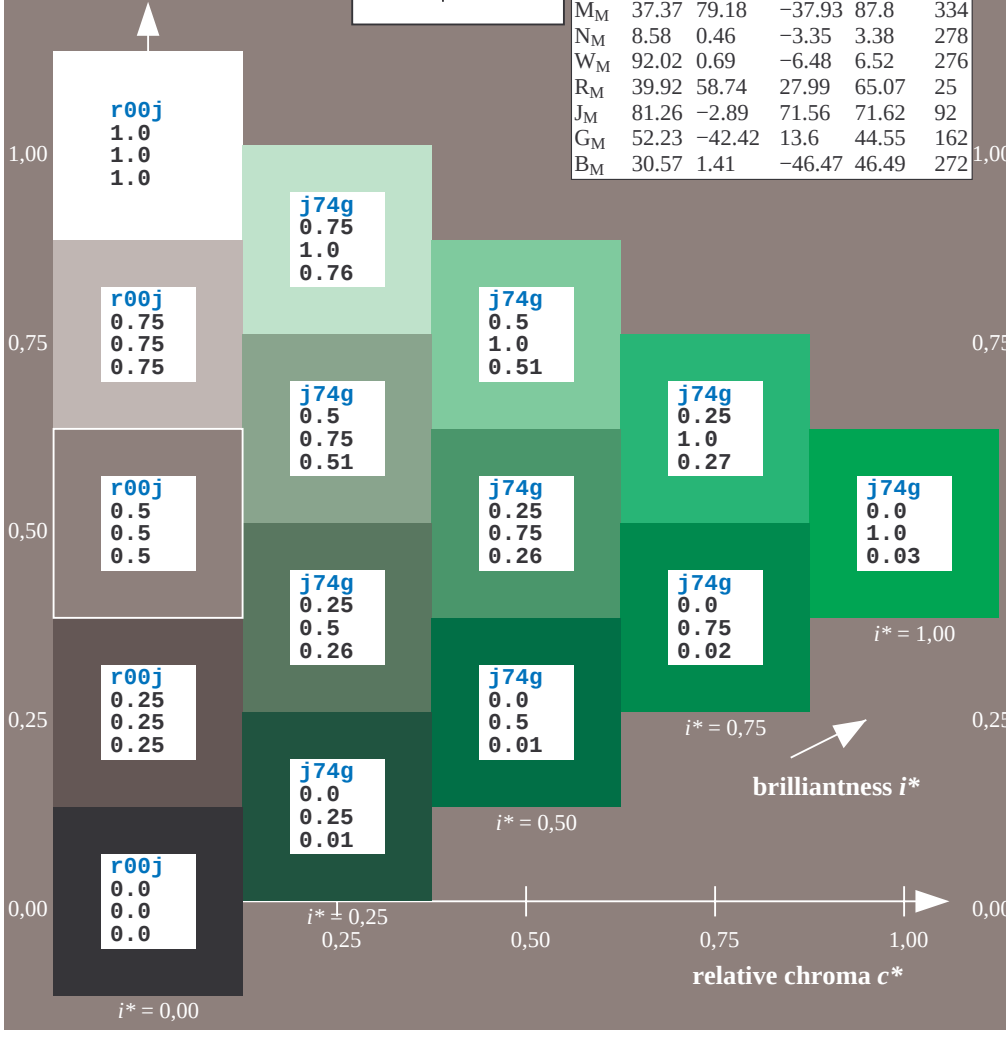
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 45 −60 43**
LAB*LCH*$_{Ma}$**: 45 74 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.03**
triangle lightness *t**

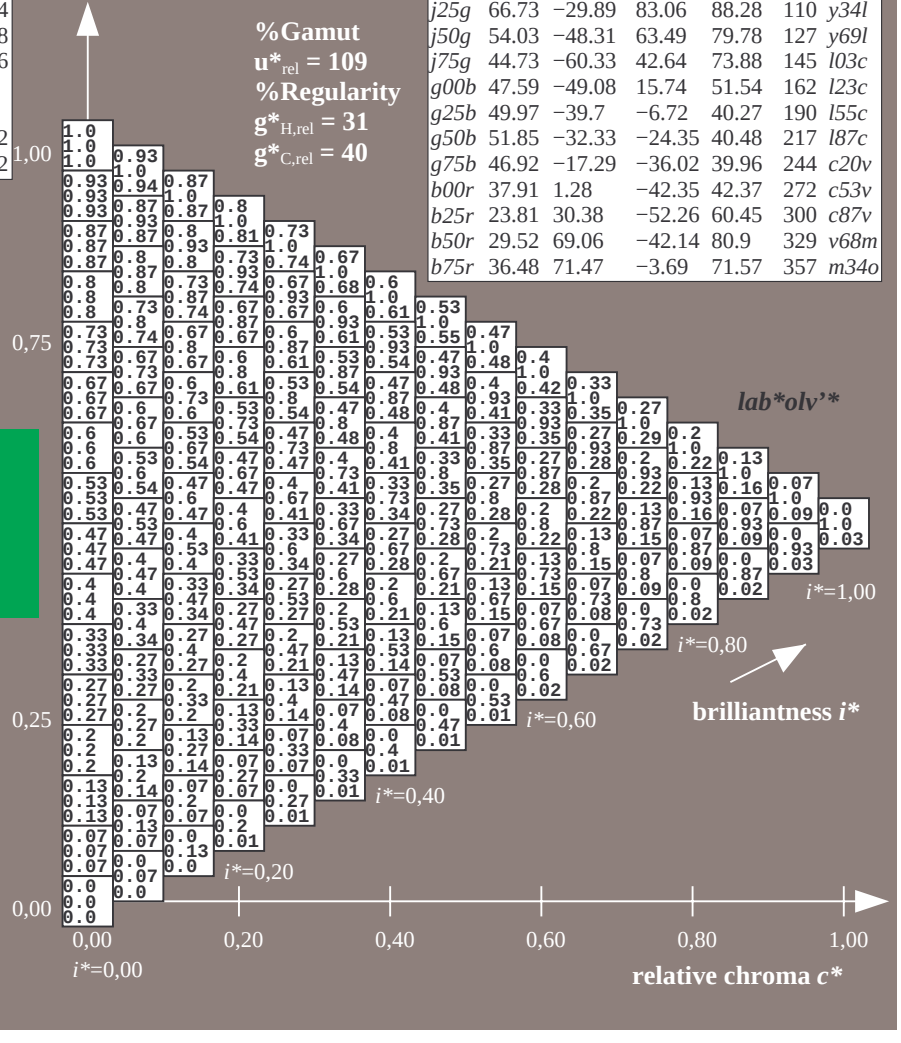
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*e = j75g
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

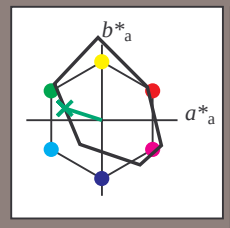
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

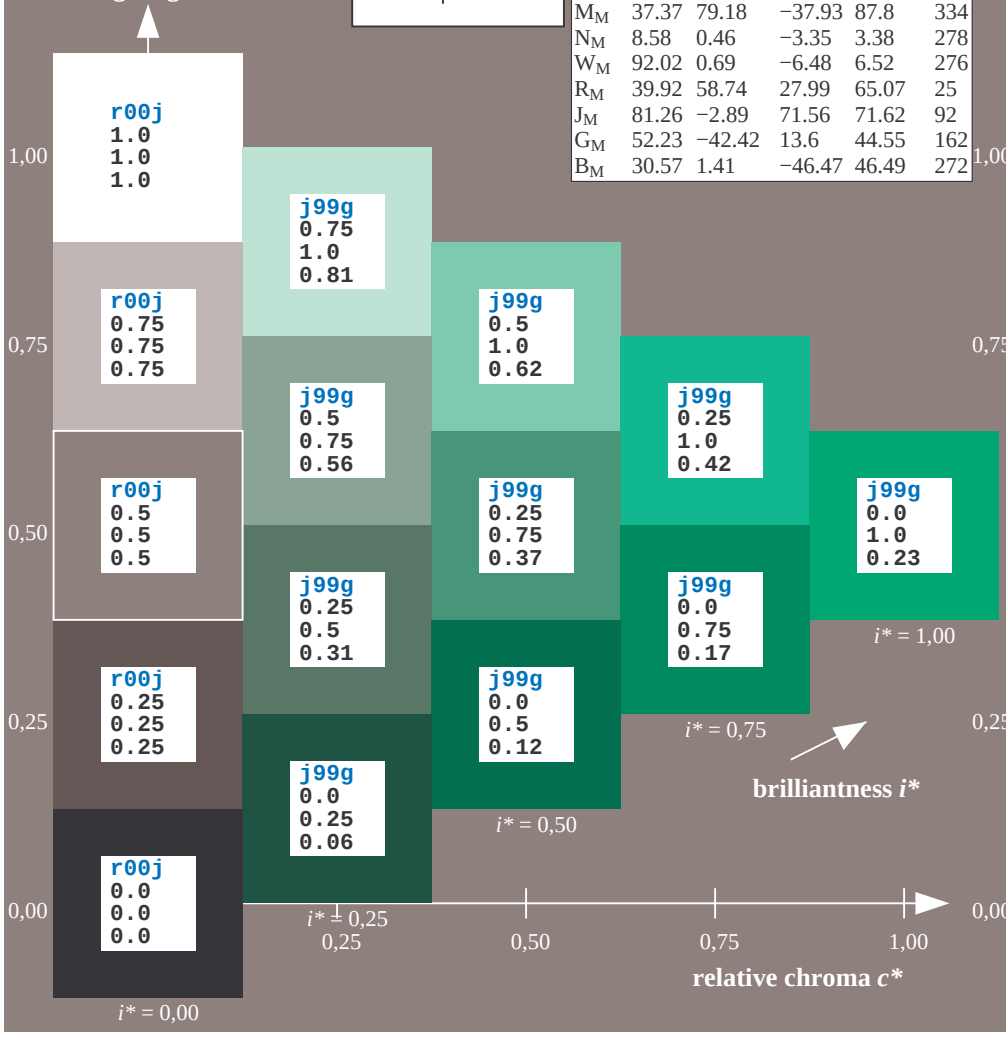
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

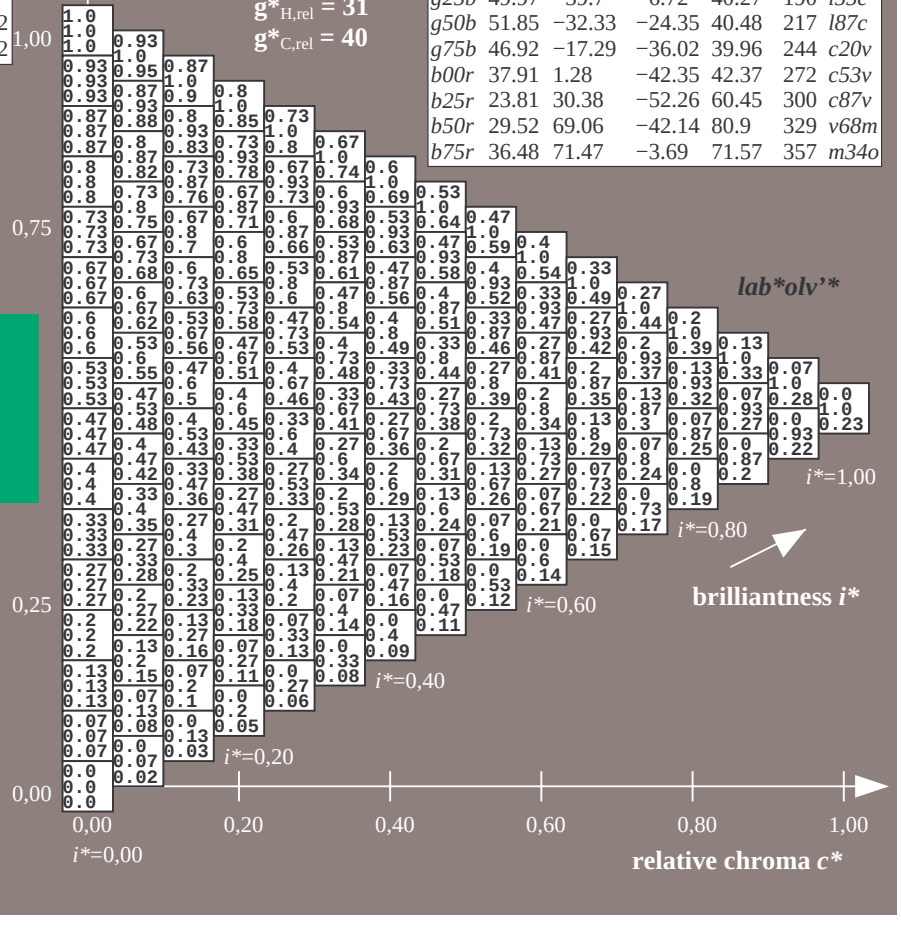
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g00b*
*lab*olv'**

FRS09_92aM; adapted (a) CIELAB data

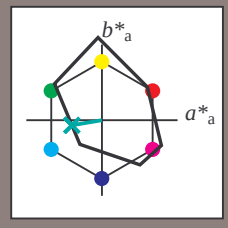
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.527**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

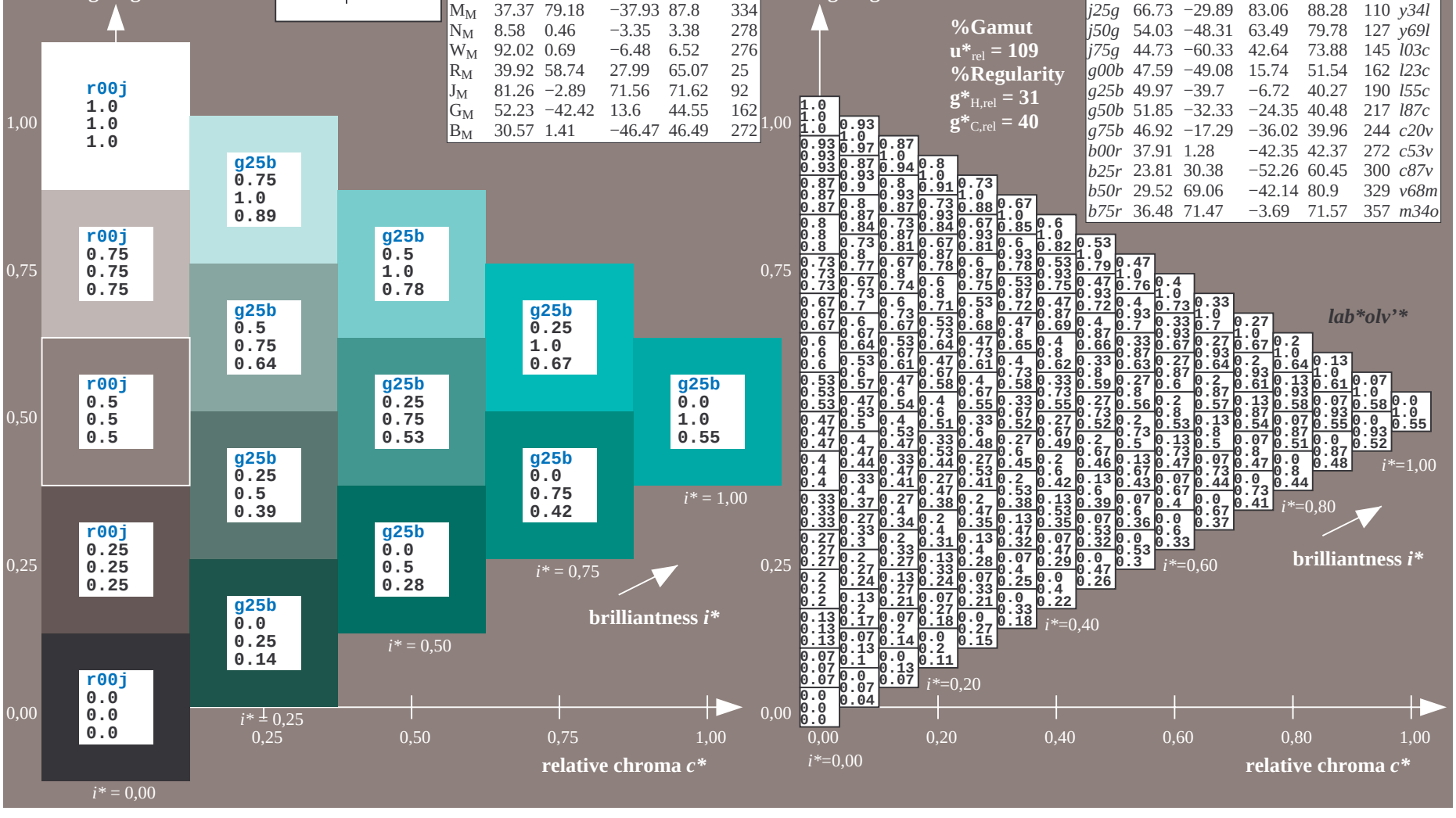
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

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

u^*_e = *g25b*
lab*olv'*

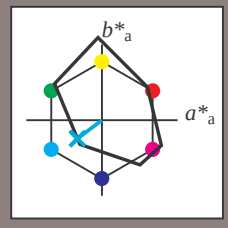
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

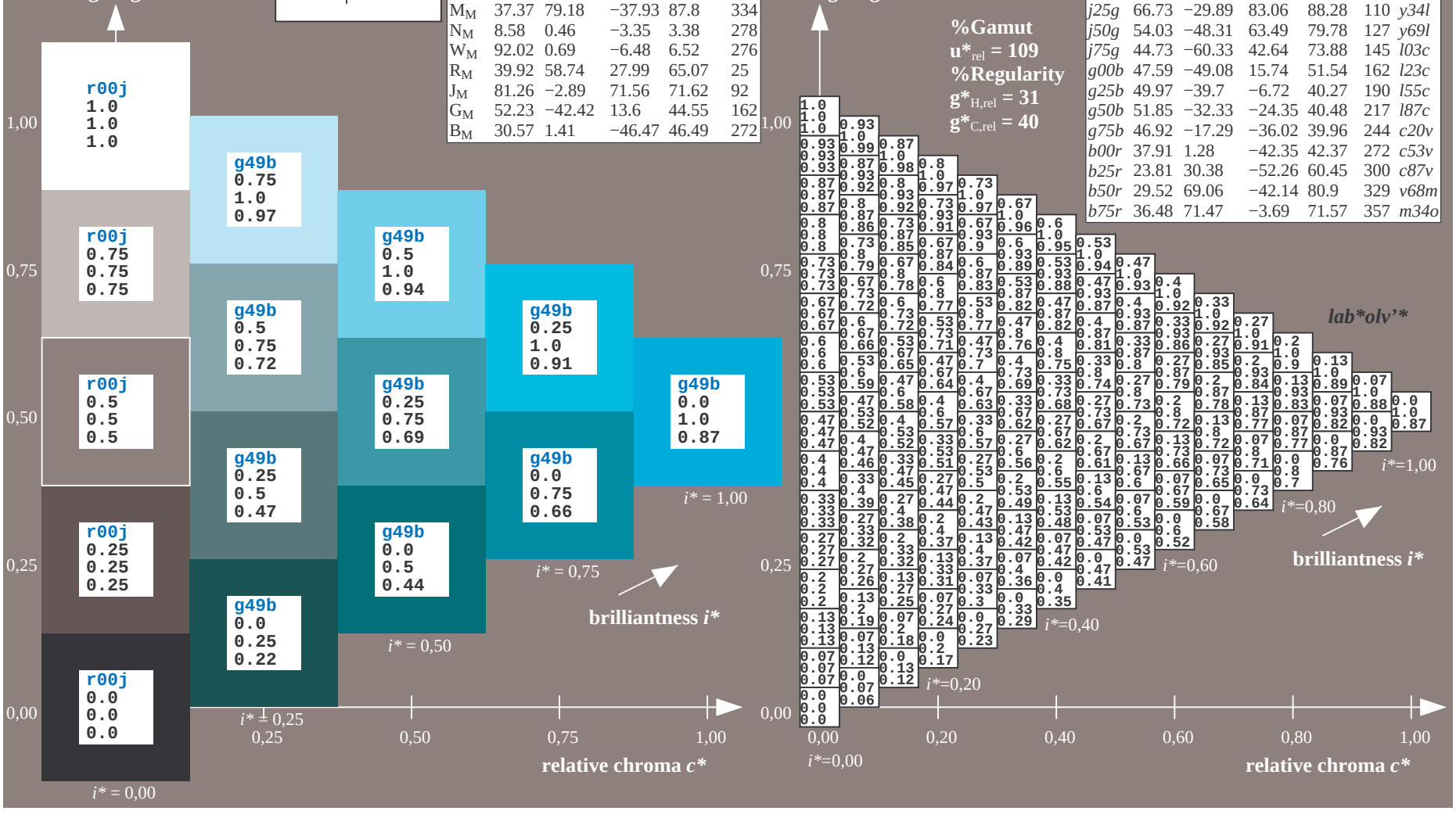
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −32 −24**
LAB*LCH*$_{Ma}$**: 52 40 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.87**
triangle lightness *t**

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

u*e = g50b
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

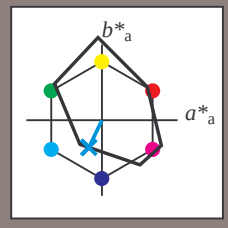
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; CIELAB data

	*u**e	*L**=*L**	*a**	*b**	*C**ab	*h**ab
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	−4.5	103.15	103.25	92	
L_M	44.13	−62.11	43.56	75.86	145	
C_M	52.66	−28.56	−36.99	46.73	232	
V_M	14.15	50.78	−62.6	80.61	309	
M_M	37.37	79.18	−37.93	87.8	334	
N_M	8.58	0.46	−3.35	3.38	278	
W_M	92.02	0.69	−6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	−2.89	71.56	71.62	92	
G_M	52.23	−42.42	13.6	44.55	162	
B_M	30.57	1.41	−46.47	46.49	272	

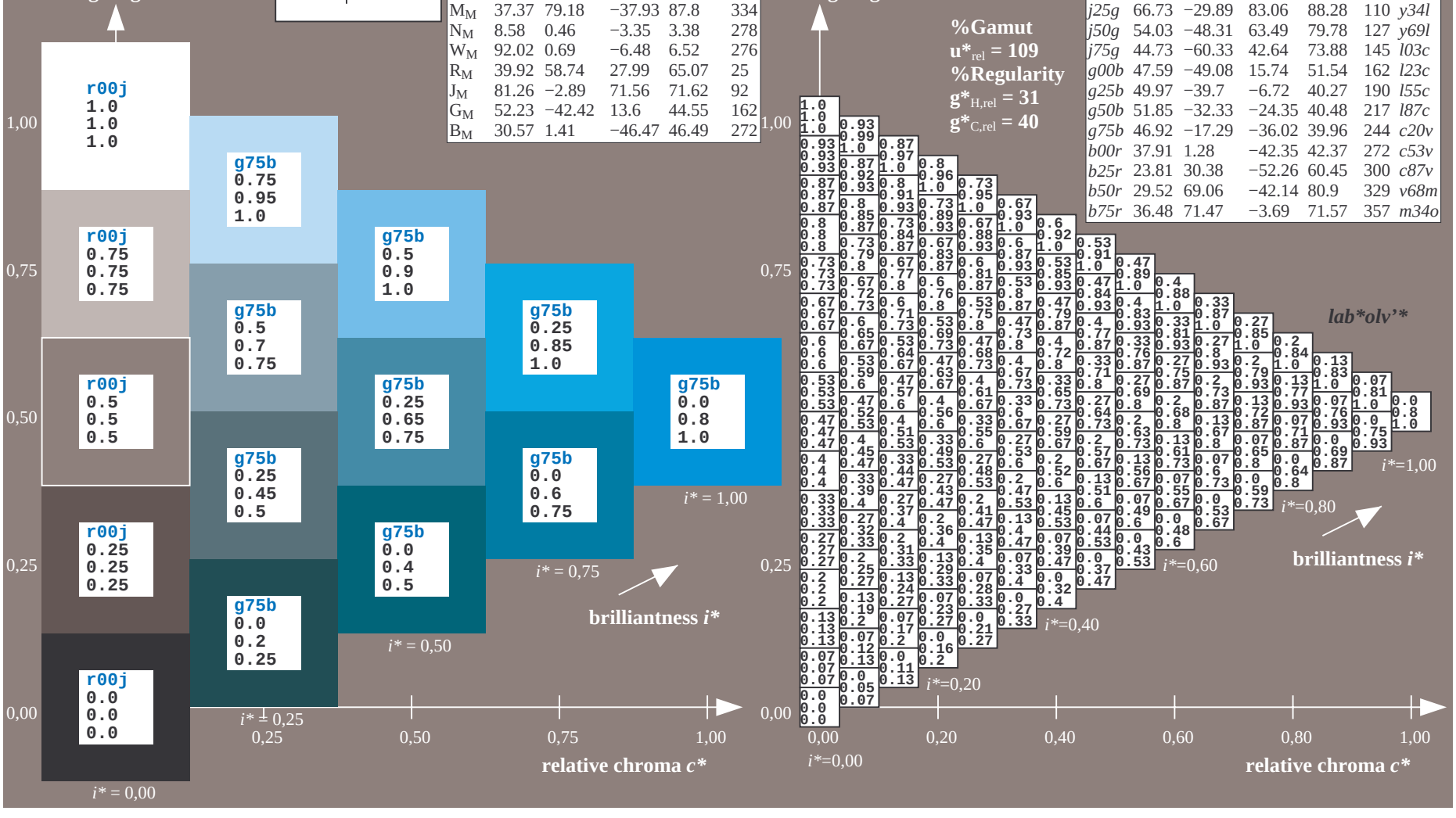
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

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

u^*_e = *g75b*
lab*olv'*

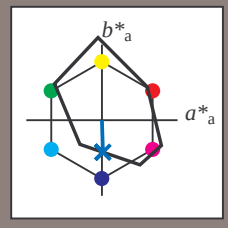
FRS09_92aM; adapted (a) CIELAB data

*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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

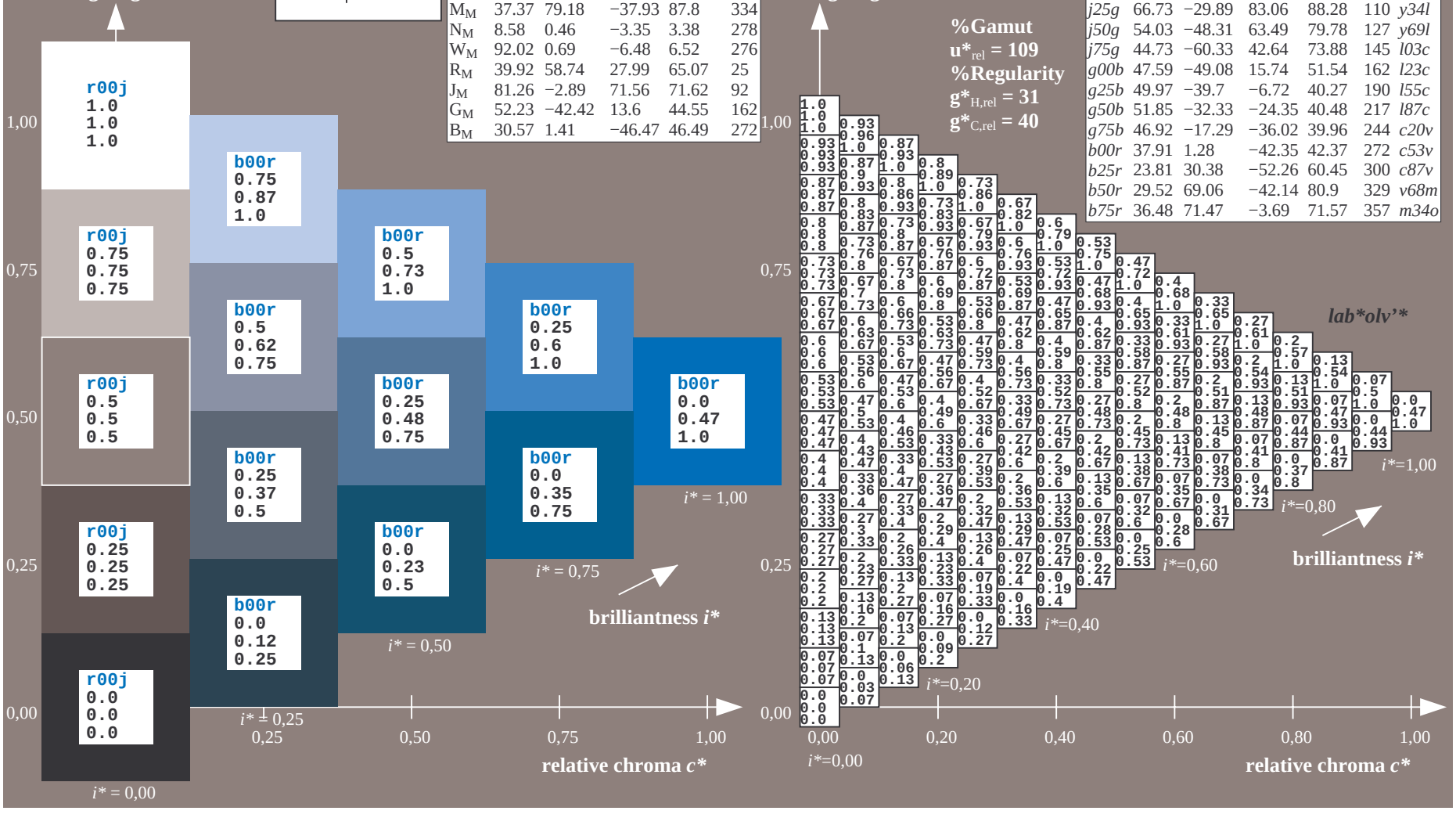
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 1 −42**
LAB*LCH*$_{Ma}$**: 38 42 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.47 1.0**
triangle lightness *t**

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

u^*_e = *b00r*
lab*olv'*

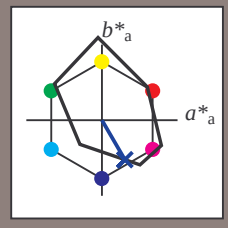
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

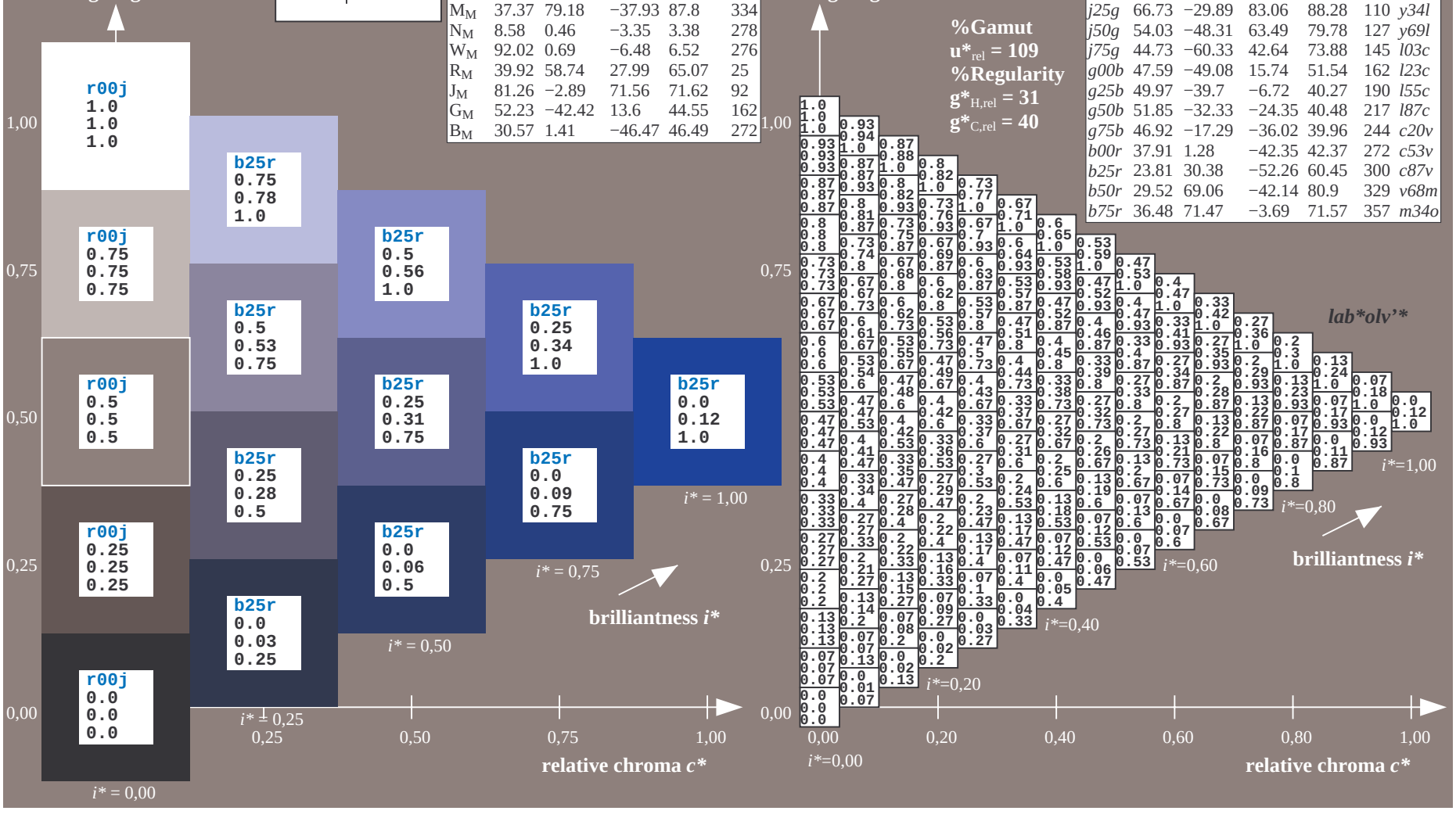
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 24 30 −52**
LAB*LCH*$_{Ma}$**: 24 60 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.12 1.0**
triangle lightness *t**

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

u^*_e = *b25r*
lab*olv'*

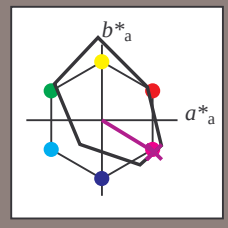
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

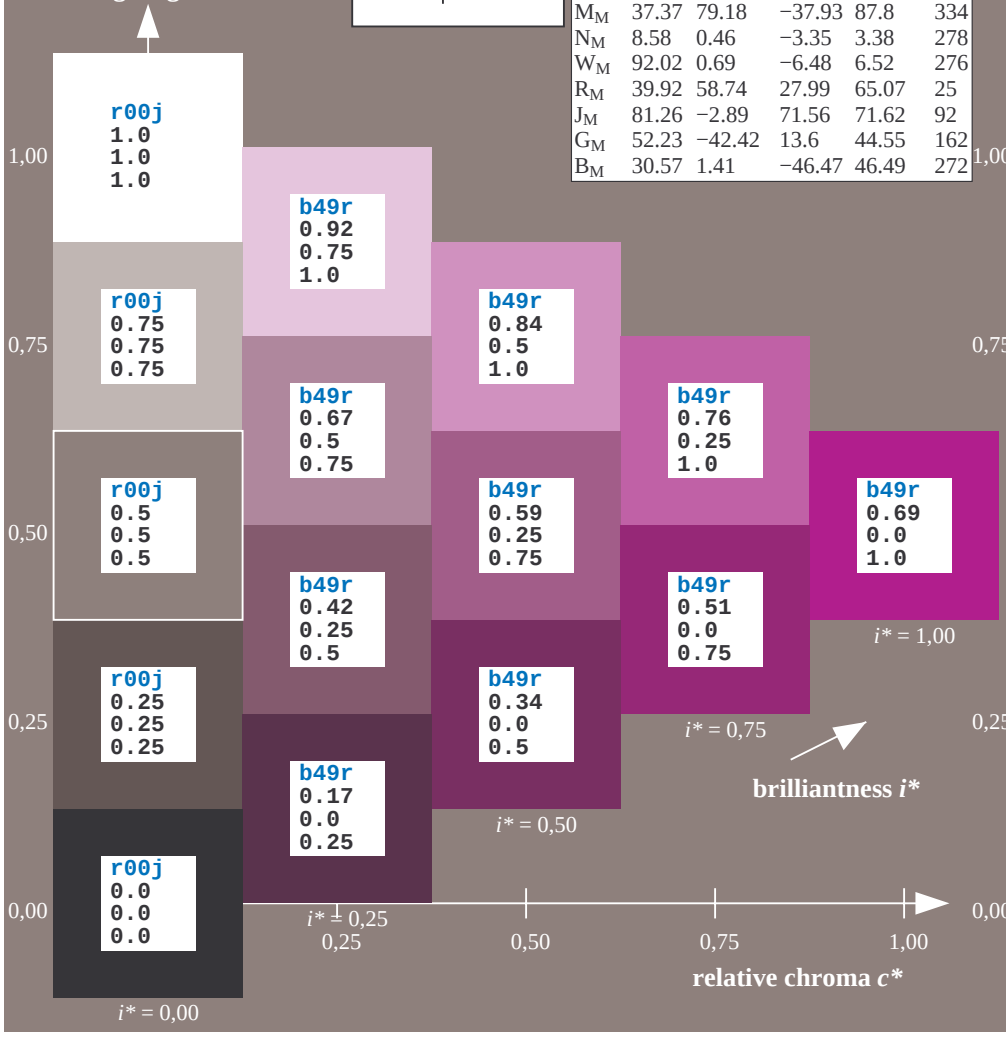
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

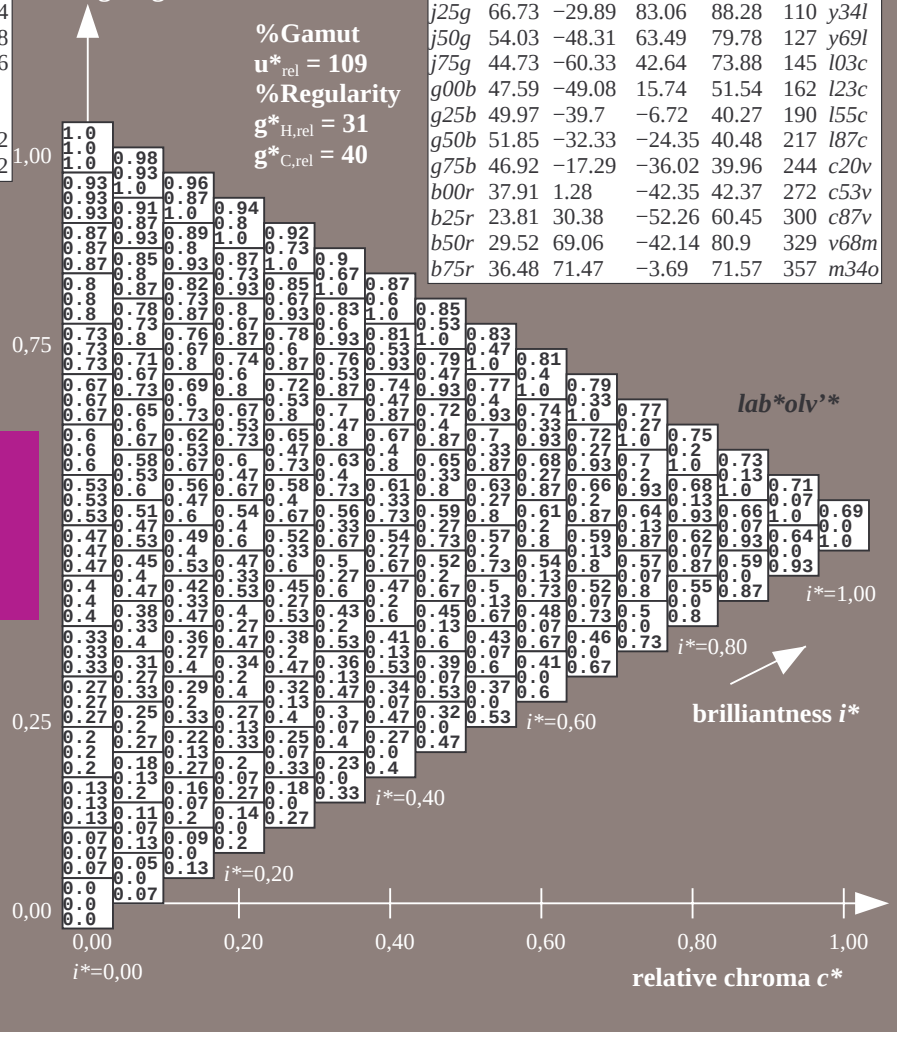
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = b50r
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

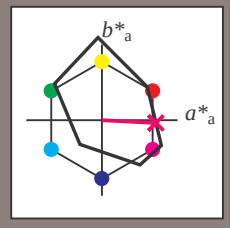
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

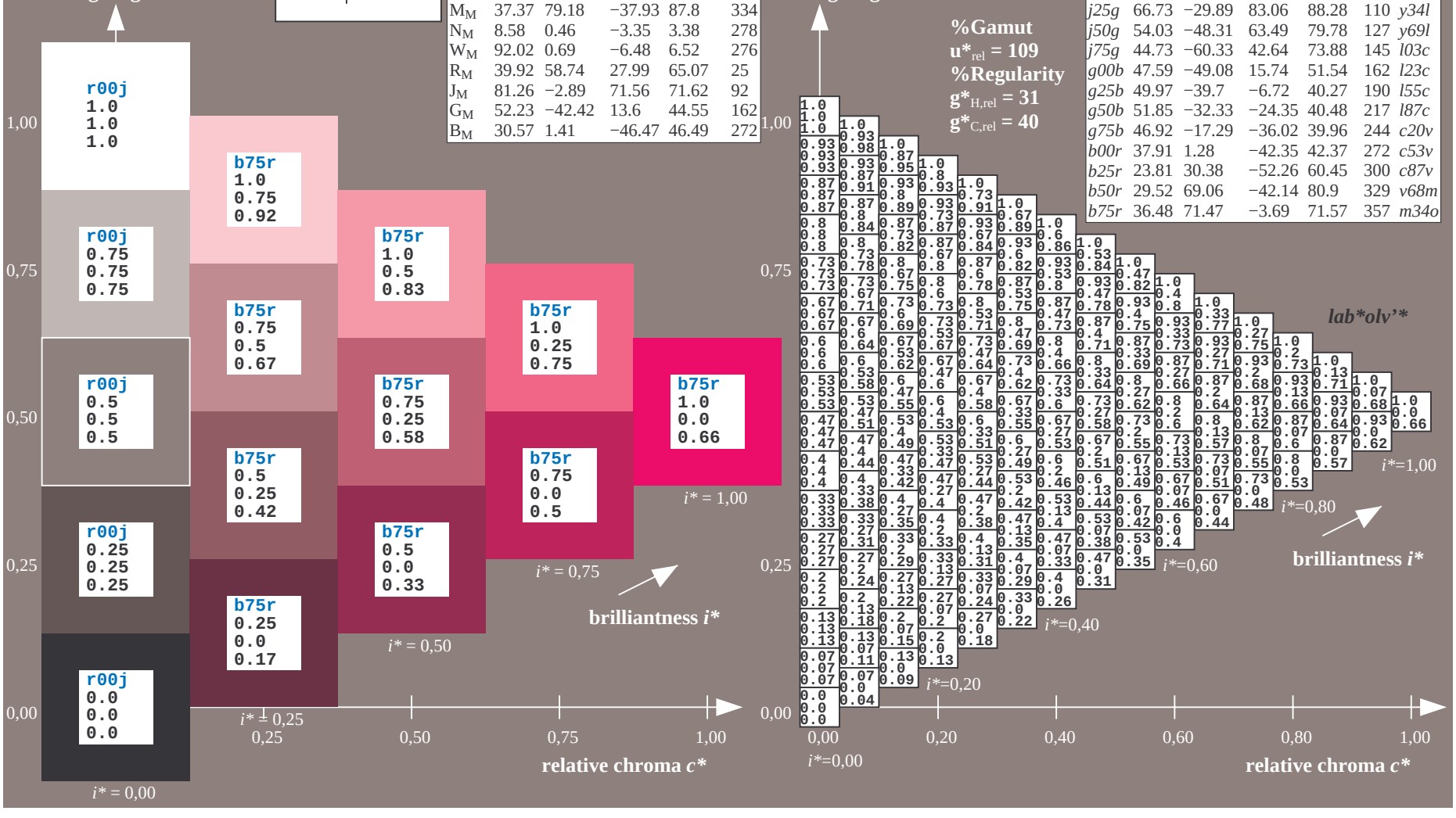
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 36 71 −4**
LAB*LCH*$_{Ma}$**: 36 72 357**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.5**
lab*olv*$_{Ma}$**: 1.0 0.0 0.66**
triangle lightness *t**

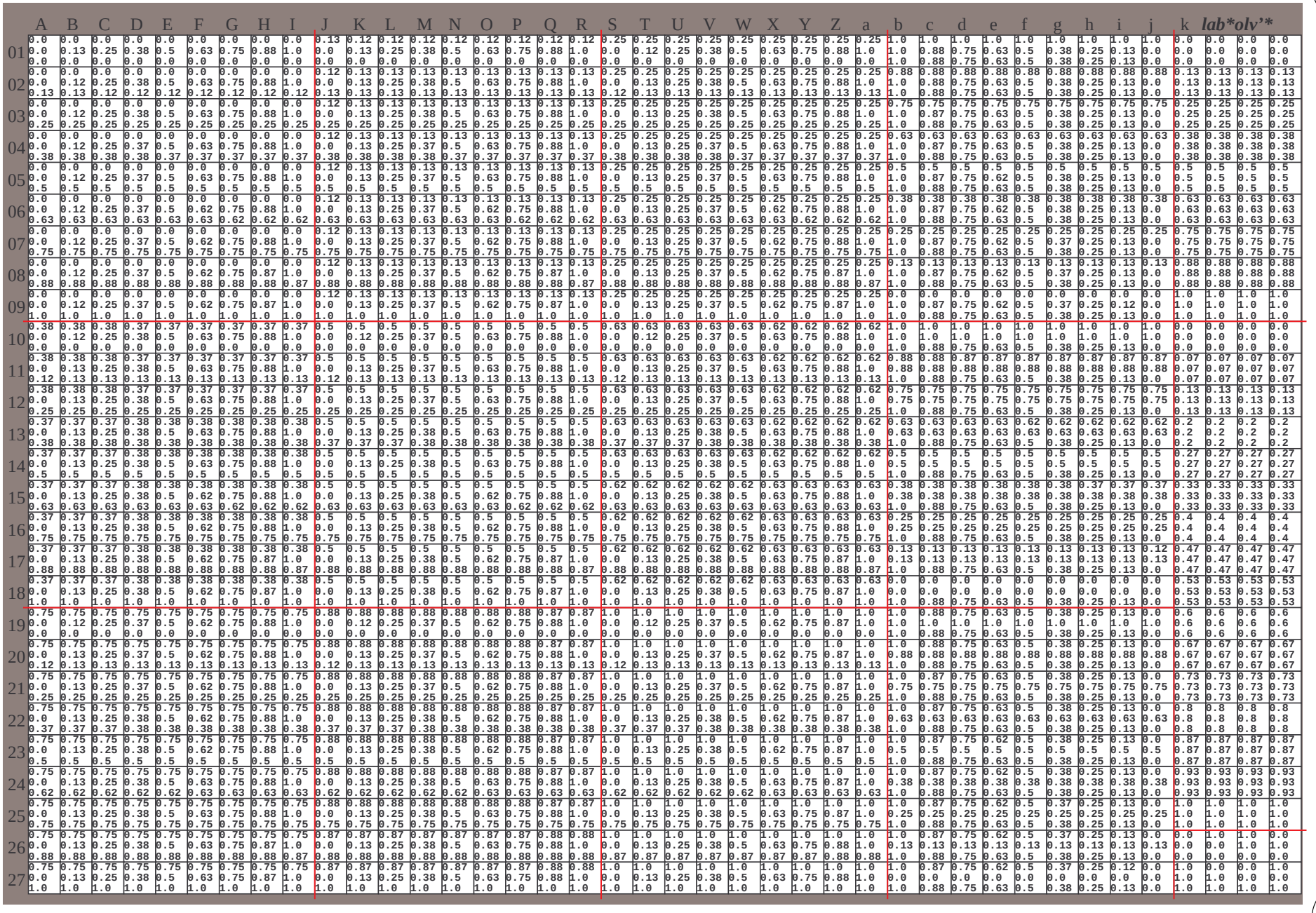
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b75r*
lab*olv'*

FRS09_92aM; 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*

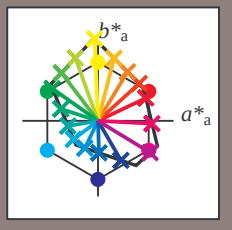




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u*e* and number *no.* = 00 .. 15**
elementary hue text:
u*e* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS09_92aM; adapted (a) CIELAB data

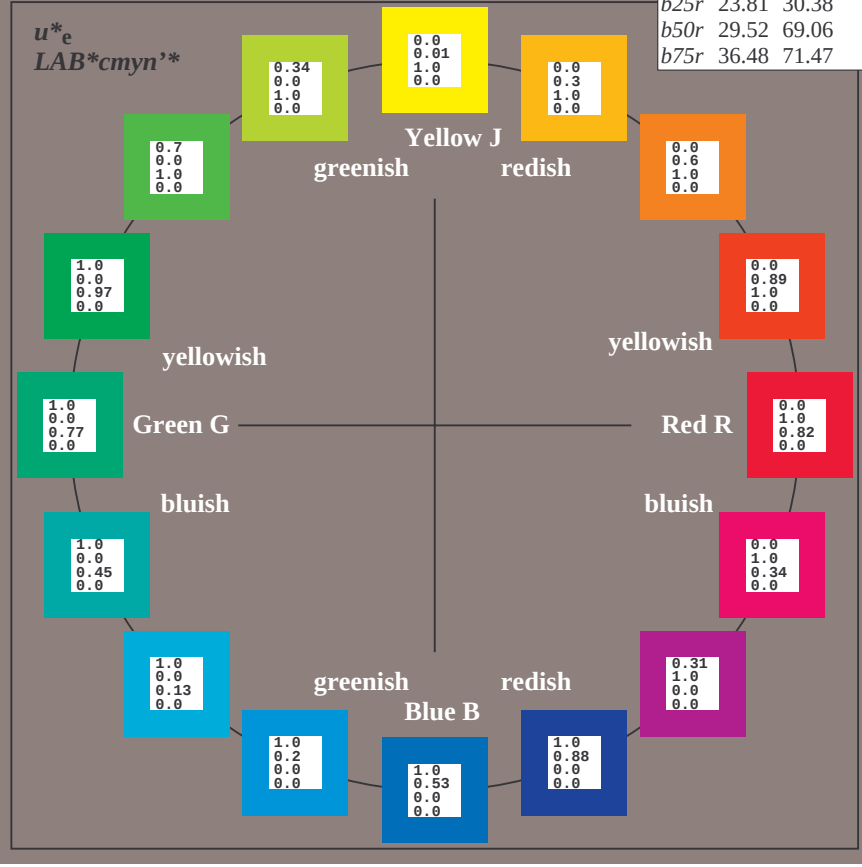
*u*e*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*d*
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	54.03	−48.31	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*

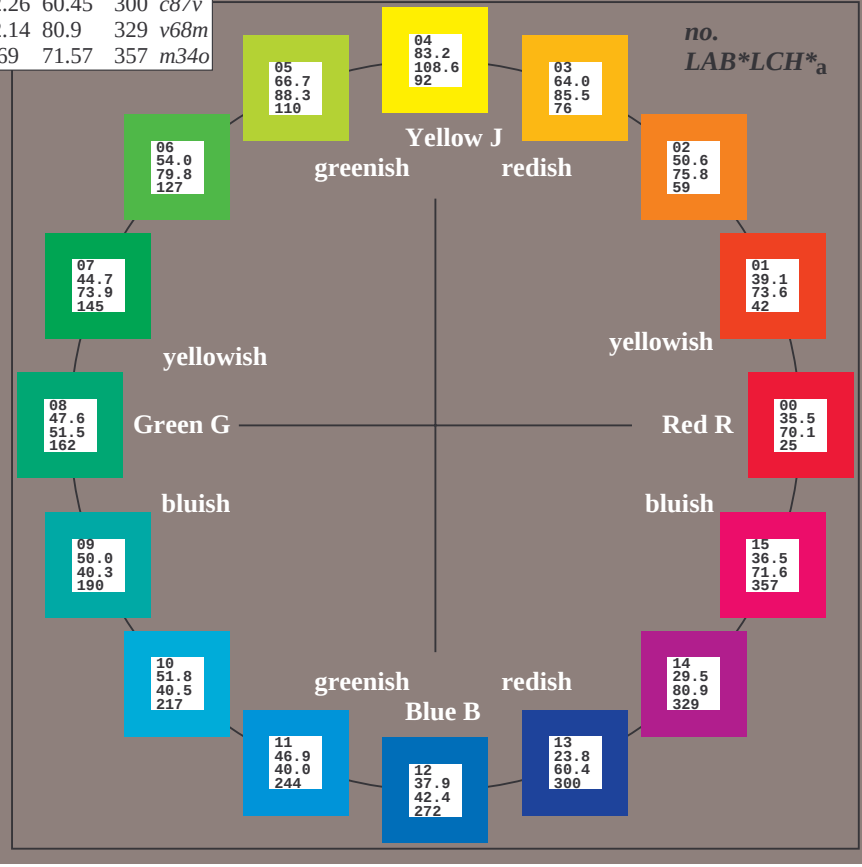


%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; CIELAB data

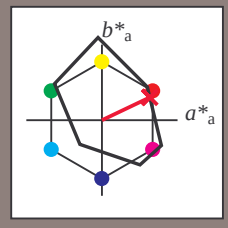
Name	*L*=L**	*a**	*b**	*C*ab*	*h*ab*
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_{CIE}	39.92	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





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

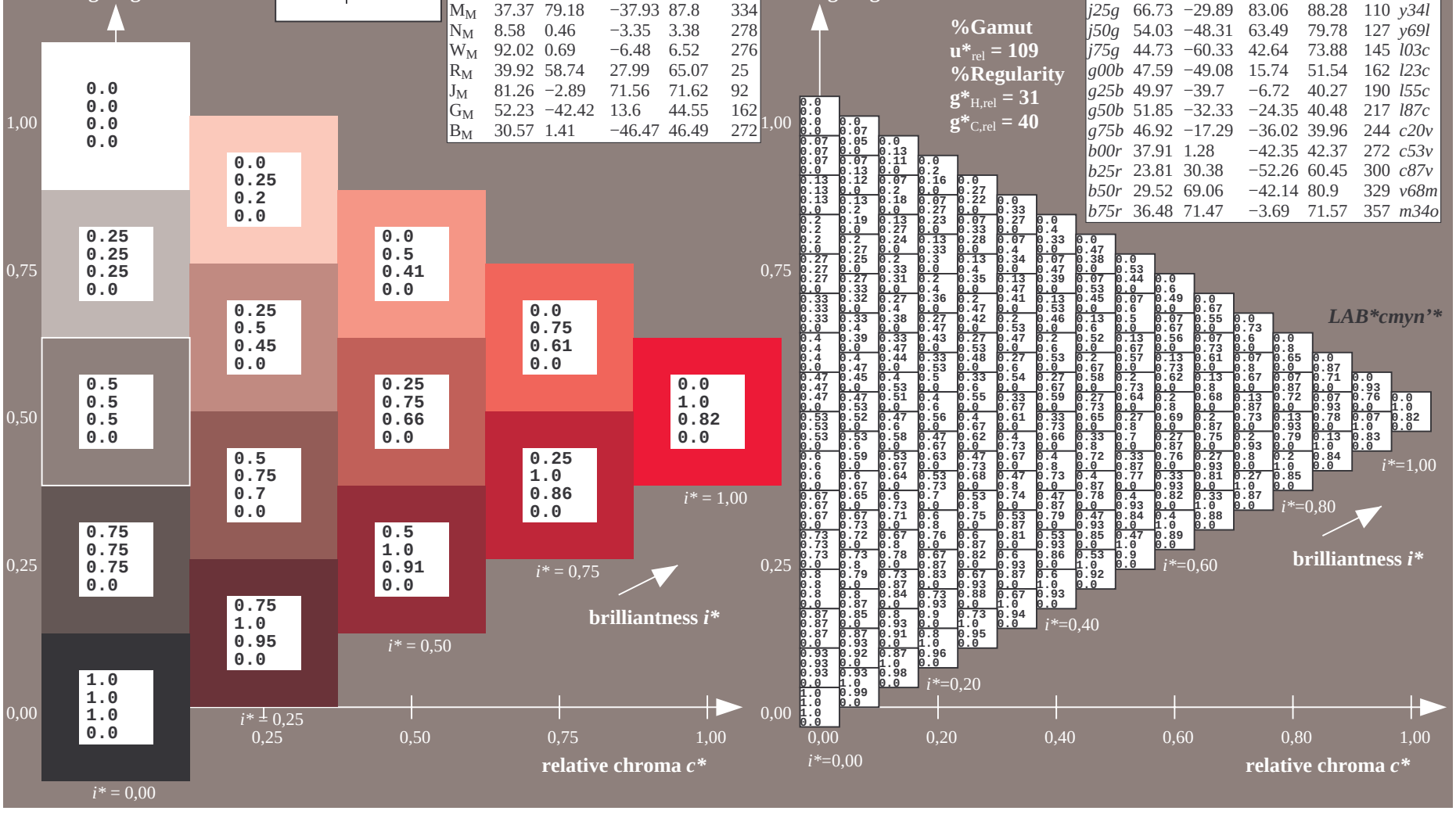
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 35 63 30**
LAB*LCH*$_{Ma}$**: 35 70 25**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness *t**

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

u^*_e = *r00j*
LAB*cmyn'*

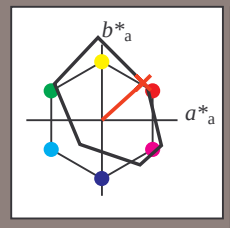
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

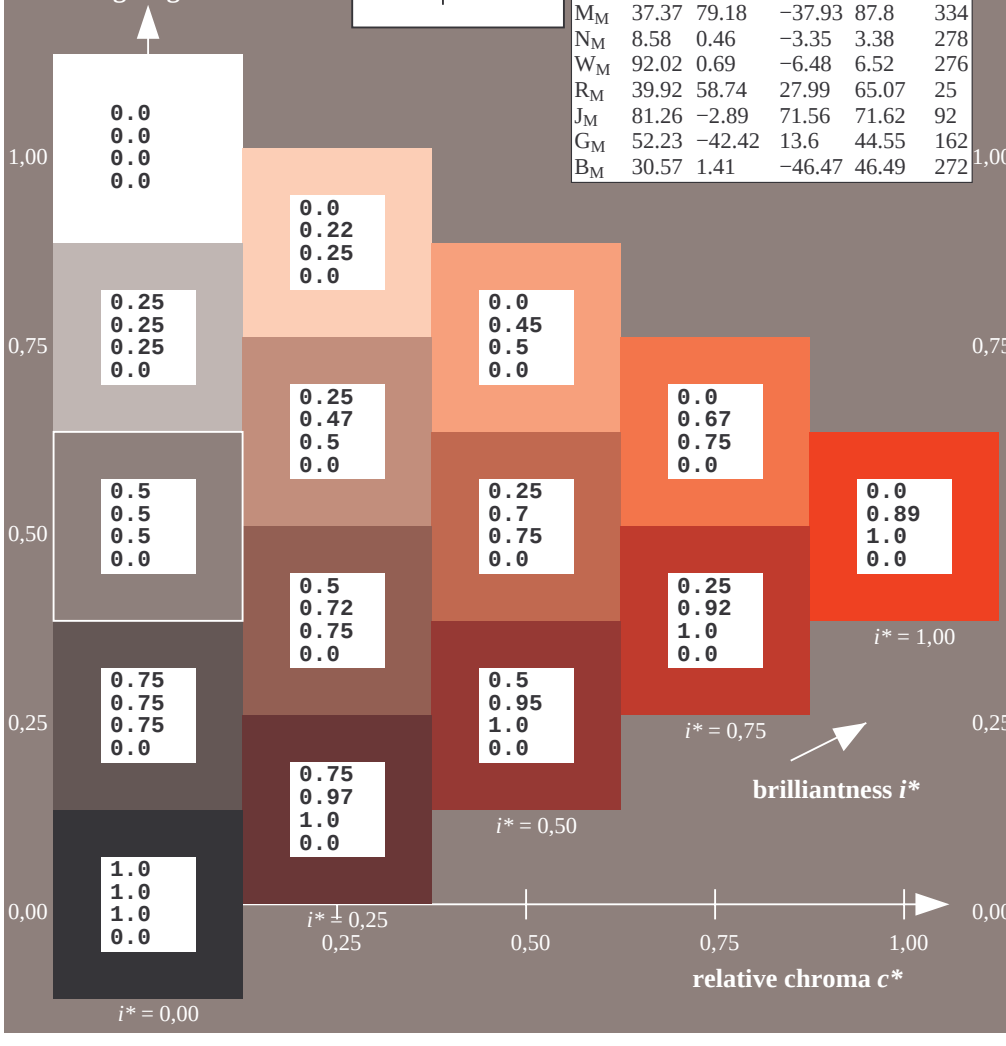
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 55 49**
LAB*LCH*$_{Ma}$**: 39 74 42**
lab*rgb*$_{Ma}$**: 1.0 0.25 0.0**
lab*olv*$_{Ma}$**: 1.0 0.11 0.0**
triangle lightness *t**

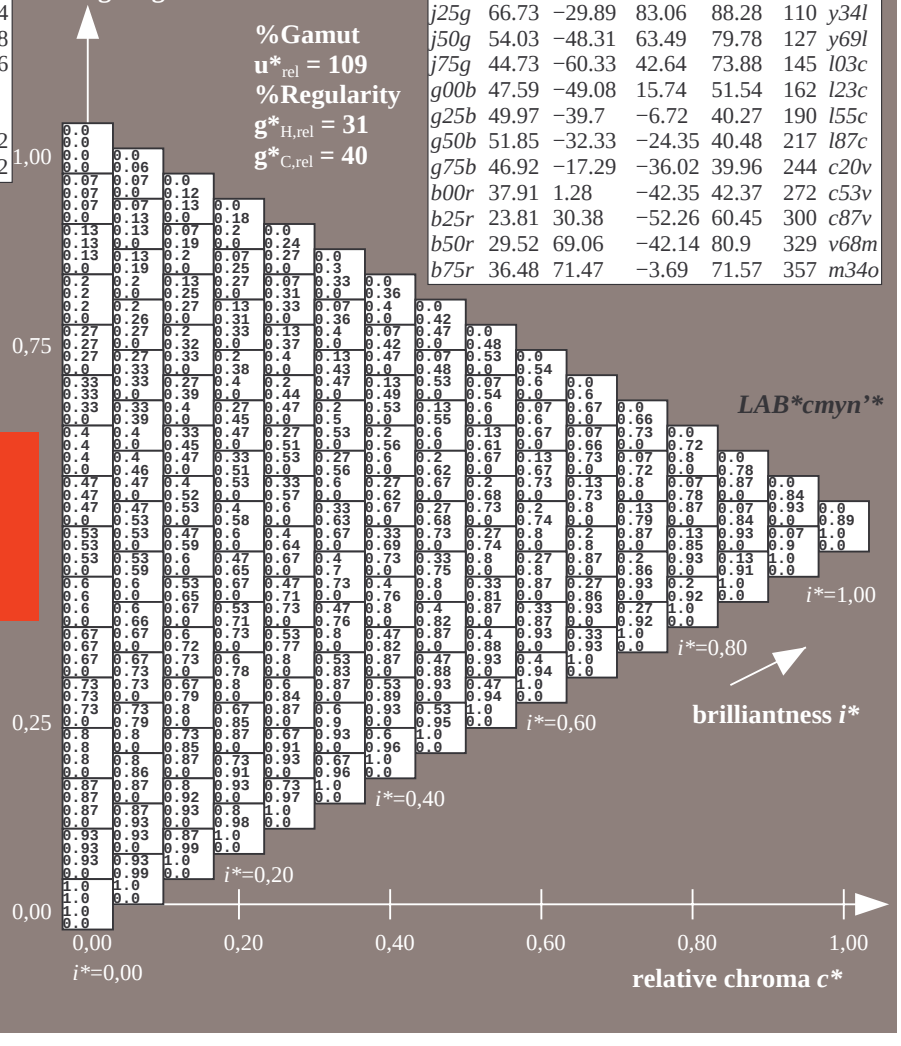
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r25j*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

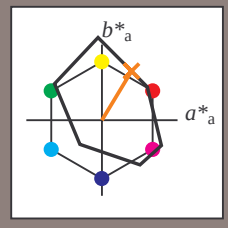
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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	−52.06	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 = 0.164**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e **= *r50j*** u^*_d **= *o40y***
contrast reduction factor:
c_R **= 1.0**
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

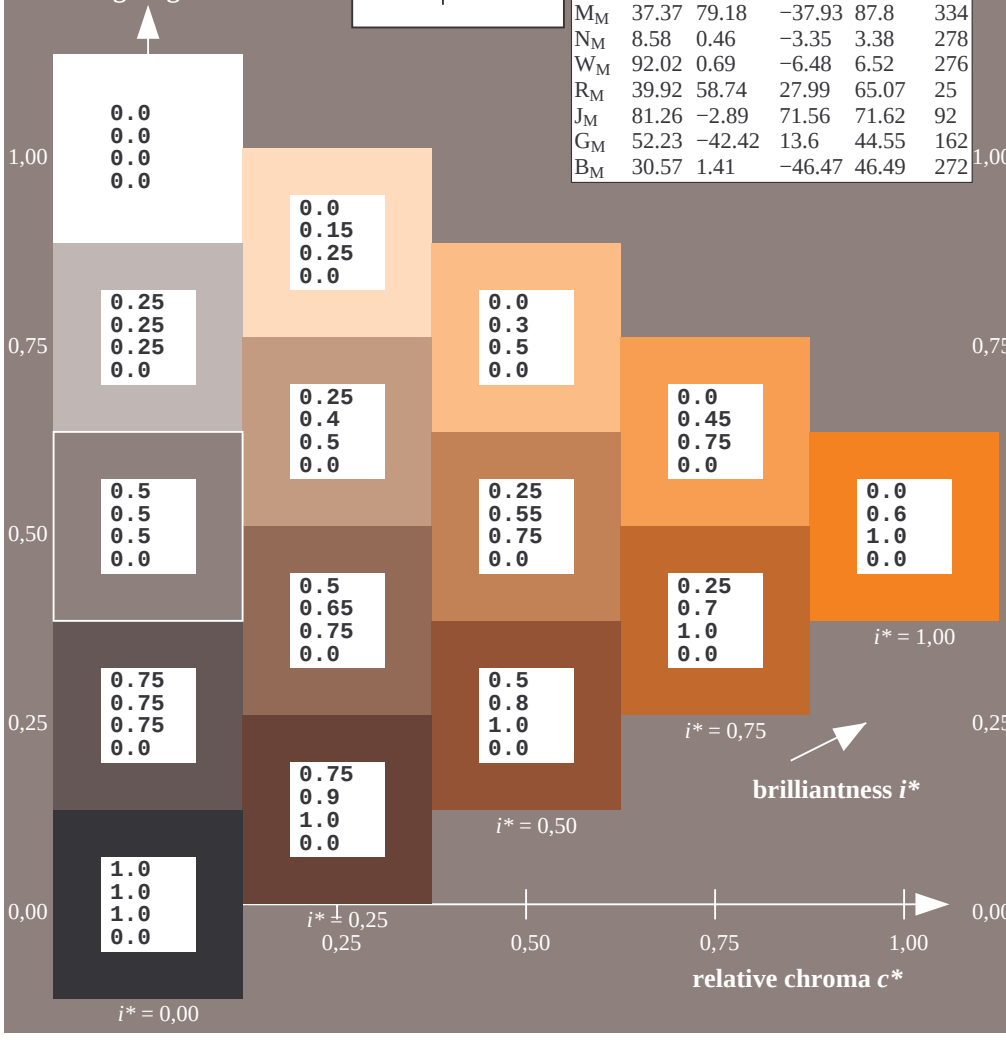
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 51 39 65**
LAB*LCH*$_{Ma}$**: 51 76 58**
lab*rgb*$_{Ma}$**: 1.0 0.5 0.0**
lab*olv*$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness *t**

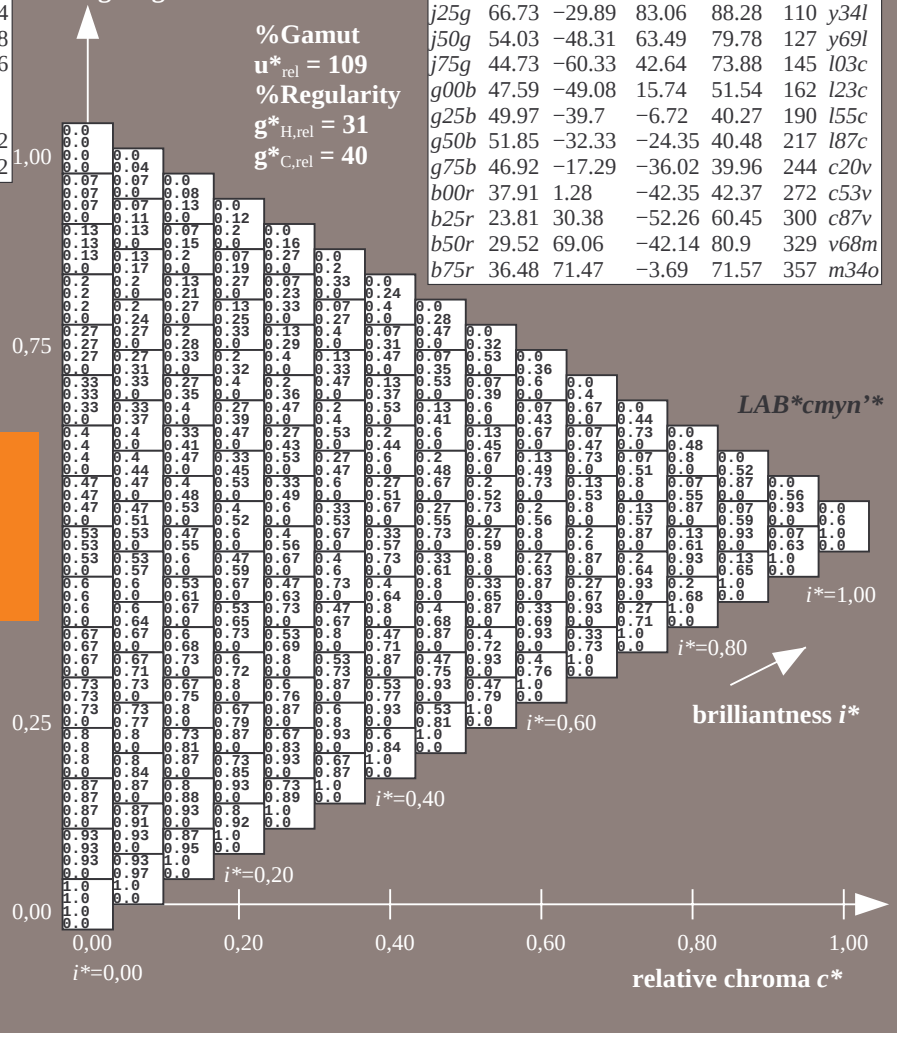
%Gamut
u^*_{rel} **= 109**
%Regularity
$g^*_{H,rel}$ **= 31**
$g^*_{C,rel}$ **= 40**

u^*_e **= *r50j***
LAB*cmyn'*

FRS09_92aM; 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*

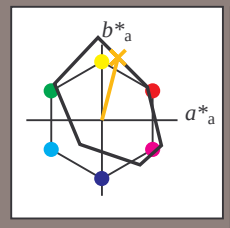




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

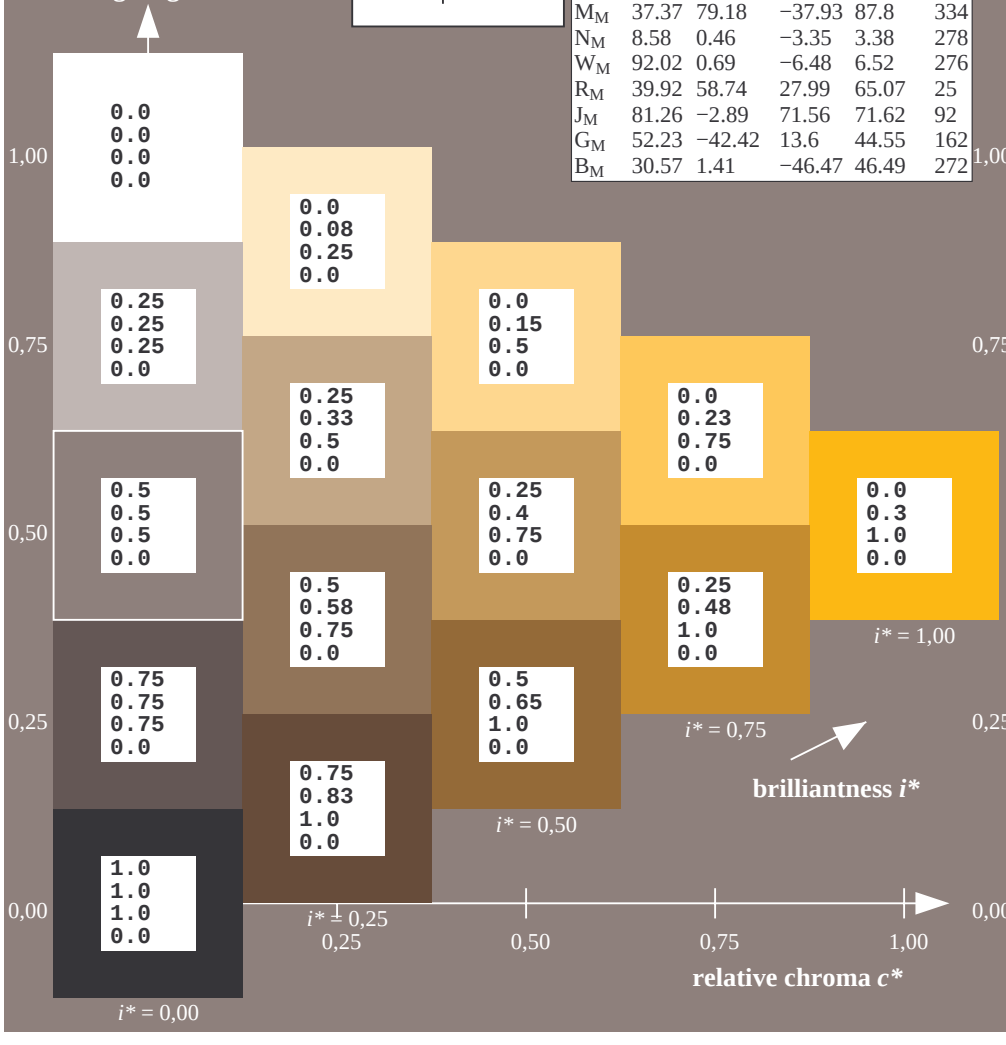
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 64 21 83**
LAB*LCH*$_{Ma}$**: 64 86 75**
lab*rgb*$_{Ma}$**: 1.0 0.75 0.0**
lab*olv*$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness *t**

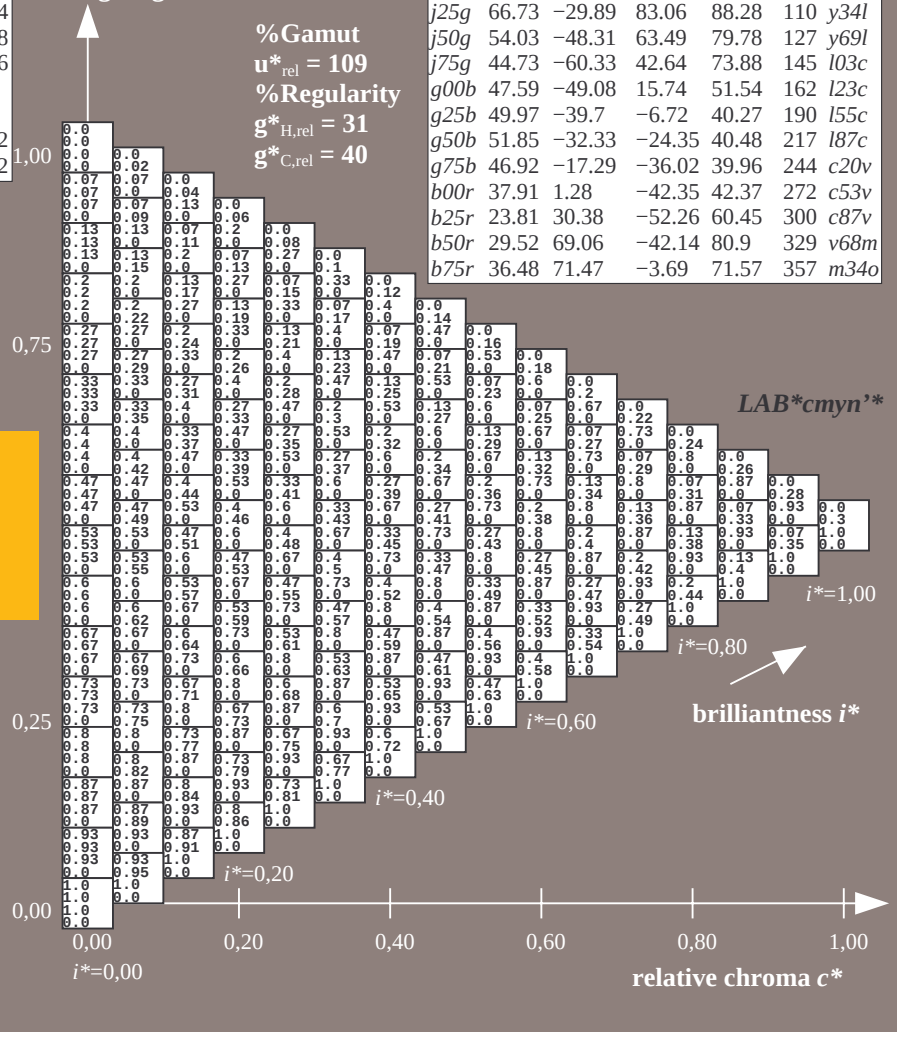
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *r75j*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

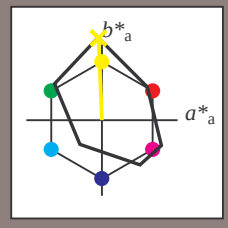
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

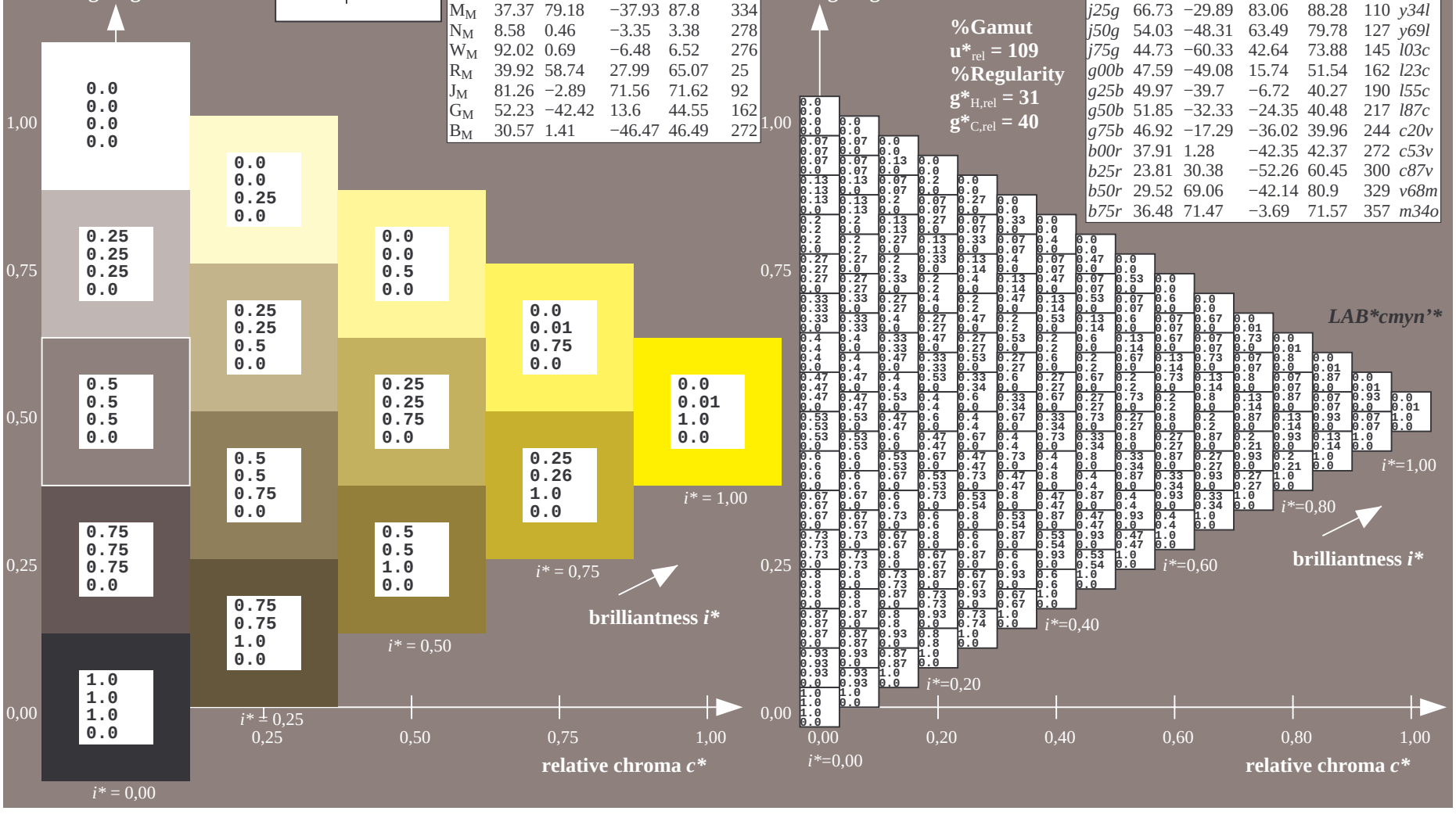
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −4 109**
LAB*LCH*$_{Ma}$**: 83 109 92**
lab*rgb*$_{Ma}$**: 1.0 1.0 0.0**
lab*olv*$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness *t**

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

u^*_e = *j00g*
LAB*cmyn'*

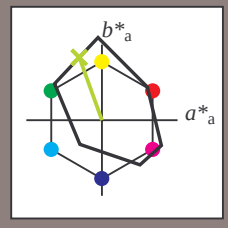
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

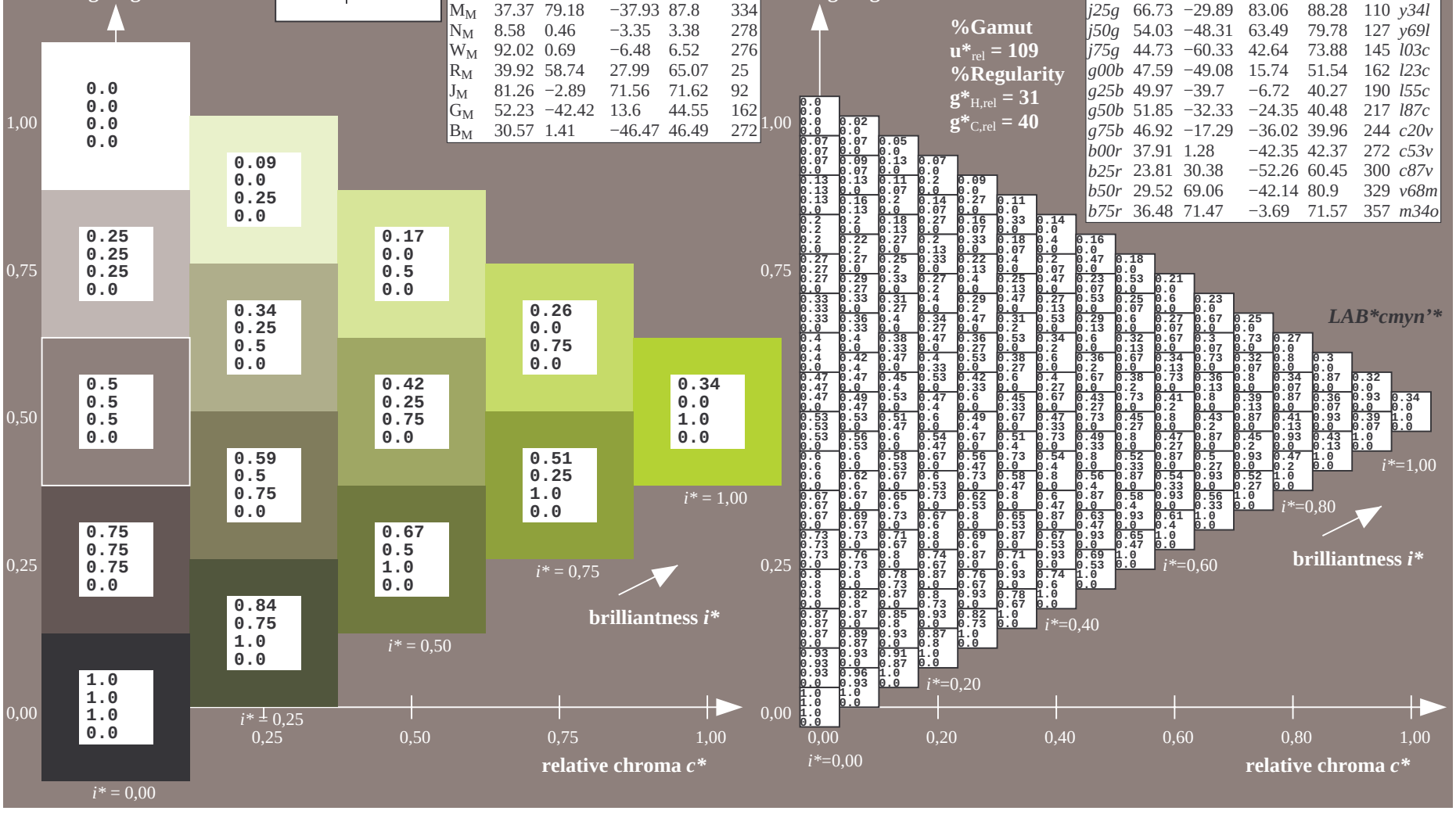
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 −30 83**
LAB*LCH*$_{Ma}$**: 67 88 109**
lab*rgb*$_{Ma}$**: 0.75 1.0 0.0**
lab*olv*$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j25g*
LAB*cmyn'*

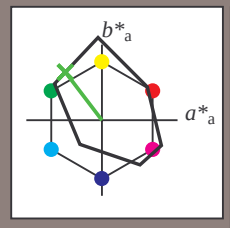
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

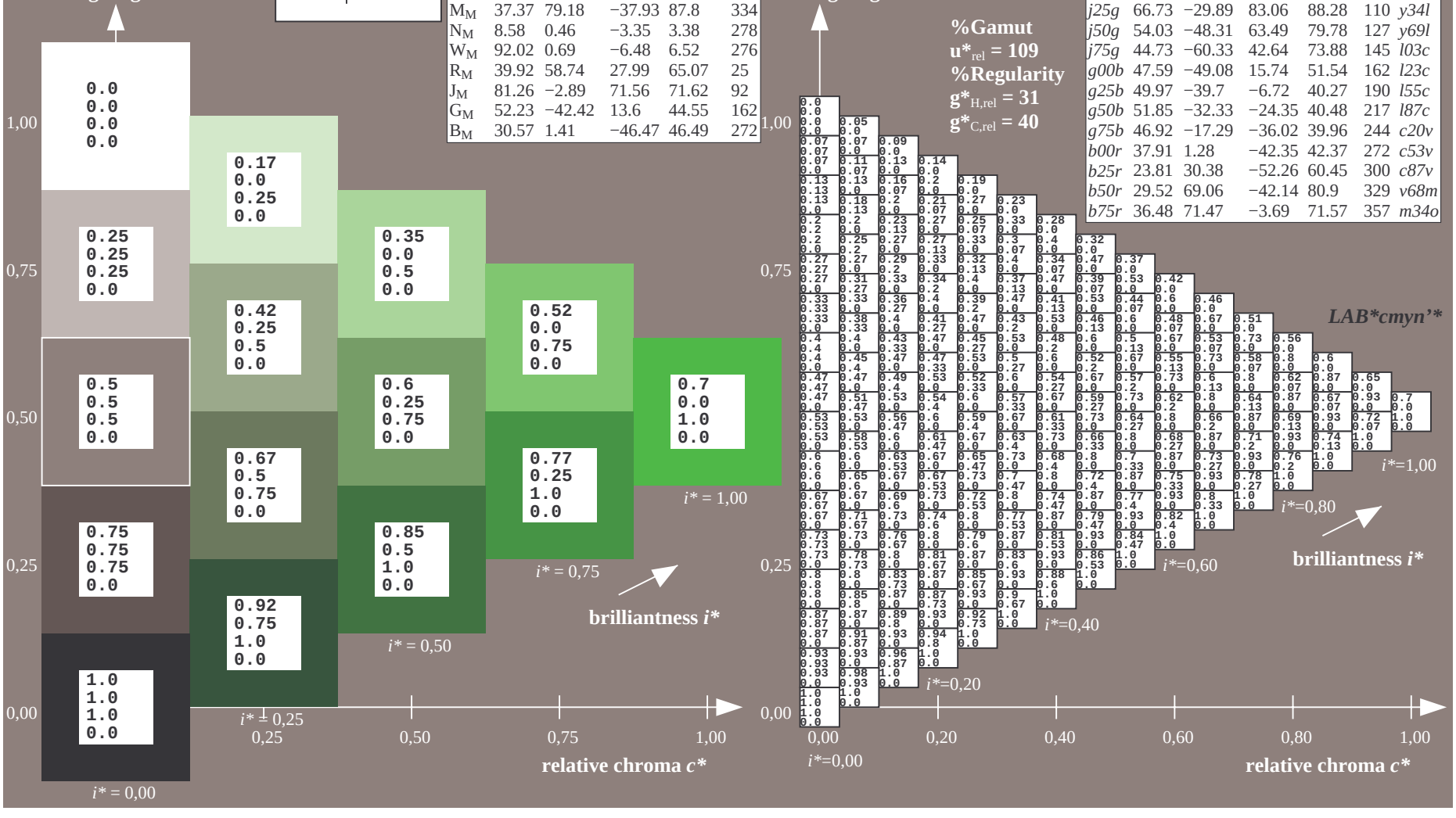
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −48 63**
LAB*LCH*$_{Ma}$**: 54 80 127**
lab*rgb*$_{Ma}$**: 0.5 1.0 0.0**
lab*olv*$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness *t**

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

u^*_e = *j50g*
LAB*cmyn'*

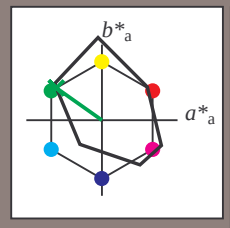
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

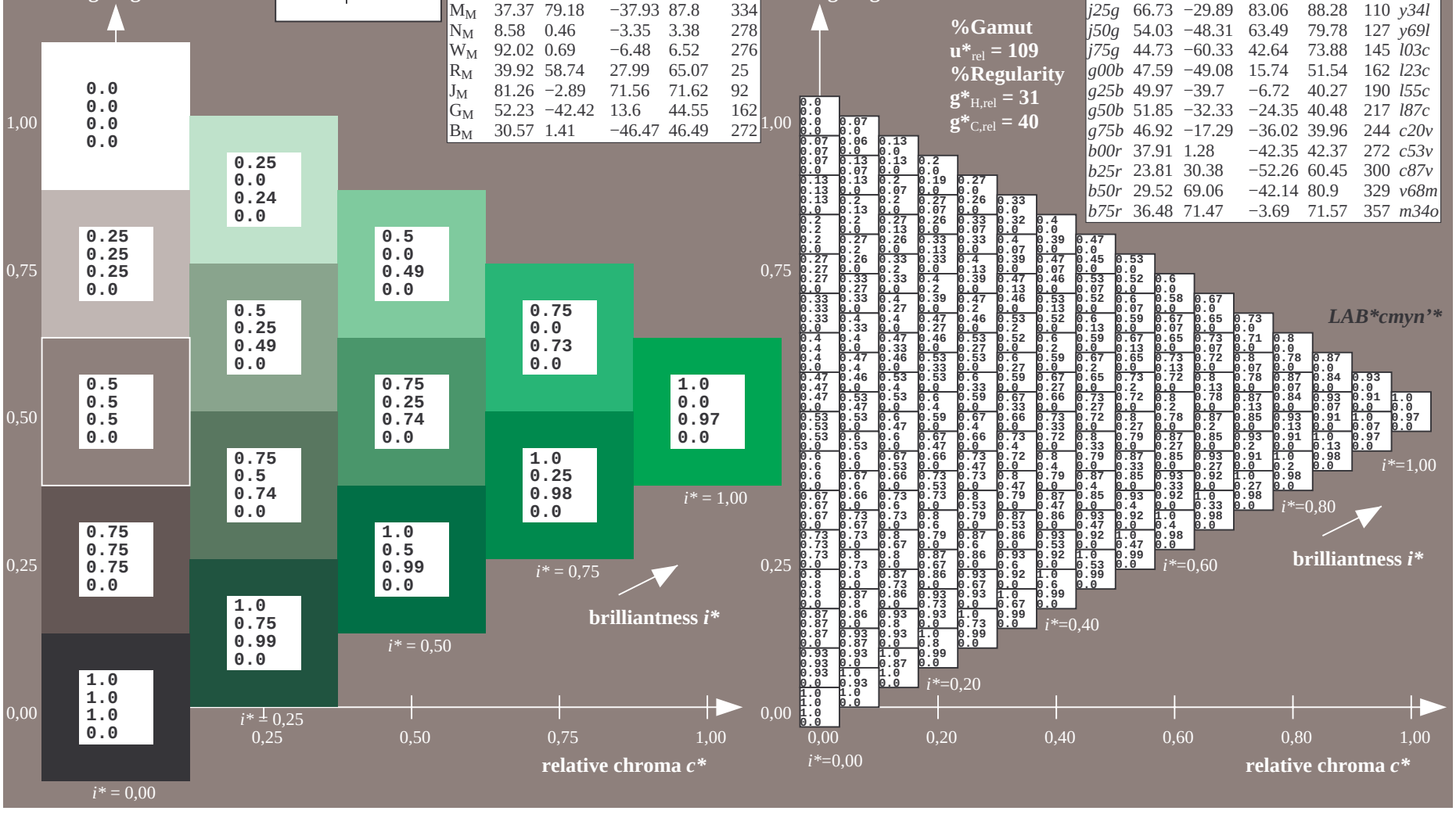
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 45 −60 43**
LAB*LCH*$_{Ma}$**: 45 74 144**
lab*rgb*$_{Ma}$**: 0.25 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.03**
triangle lightness *t**

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

u^*_e = *j75g*
LAB*cmyn'*

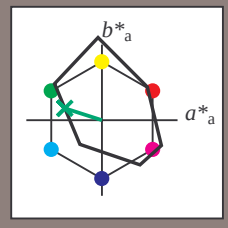
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.451**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

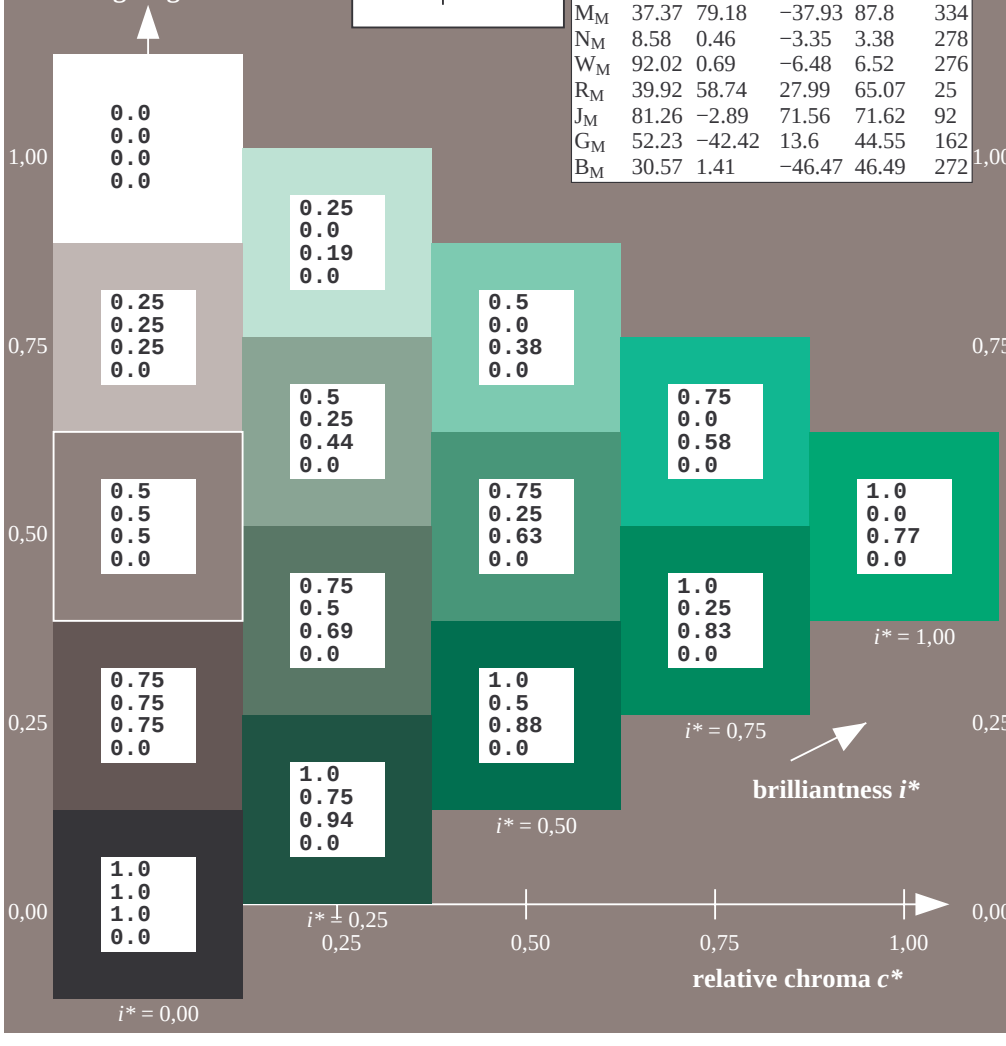
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 48 −49 16**
LAB*LCH*$_{Ma}$**: 48 52 162**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.23**
triangle lightness *t**

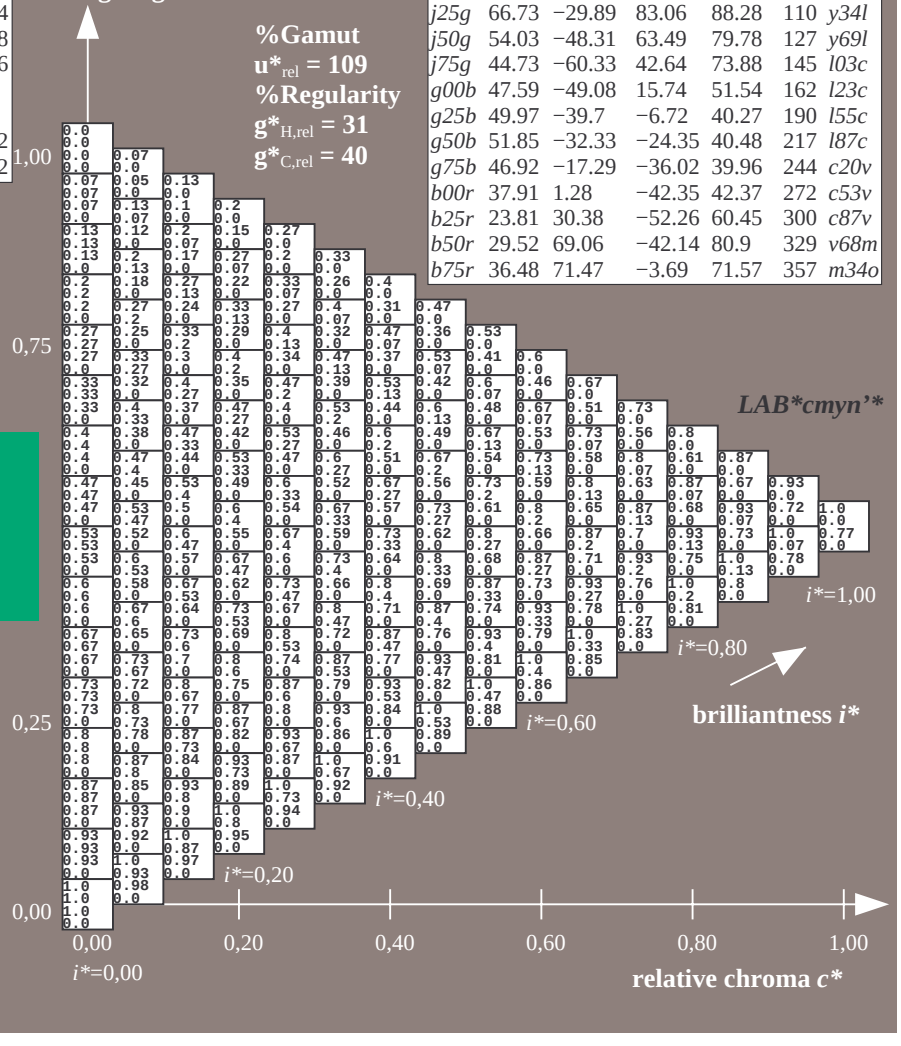
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*e = g00b
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

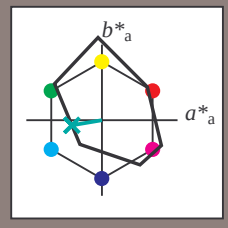
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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	−52.06	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**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

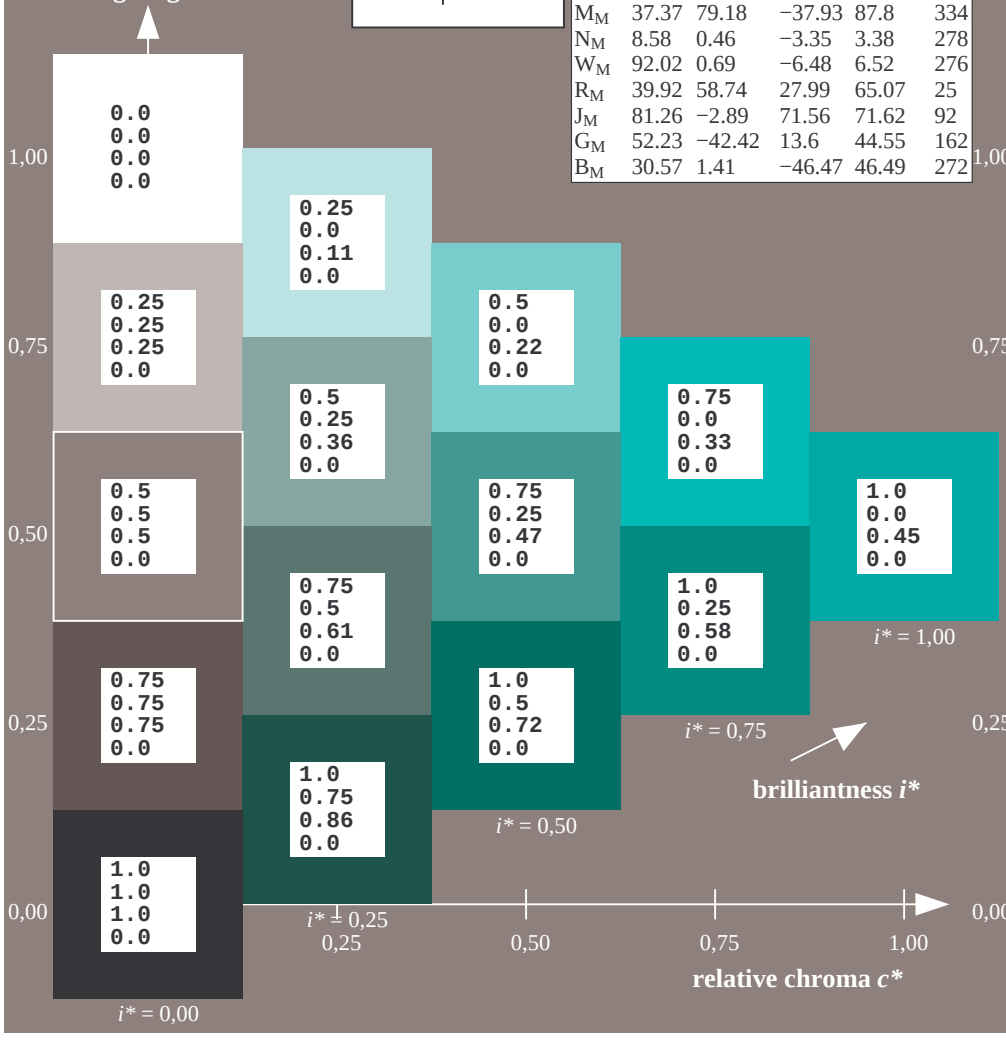
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 50 −40 −7**
LAB*LCH*$_{Ma}$**: 50 40 189**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.5**
lab*olv*$_{Ma}$**: 0.0 1.0 0.55**
triangle lightness *t**

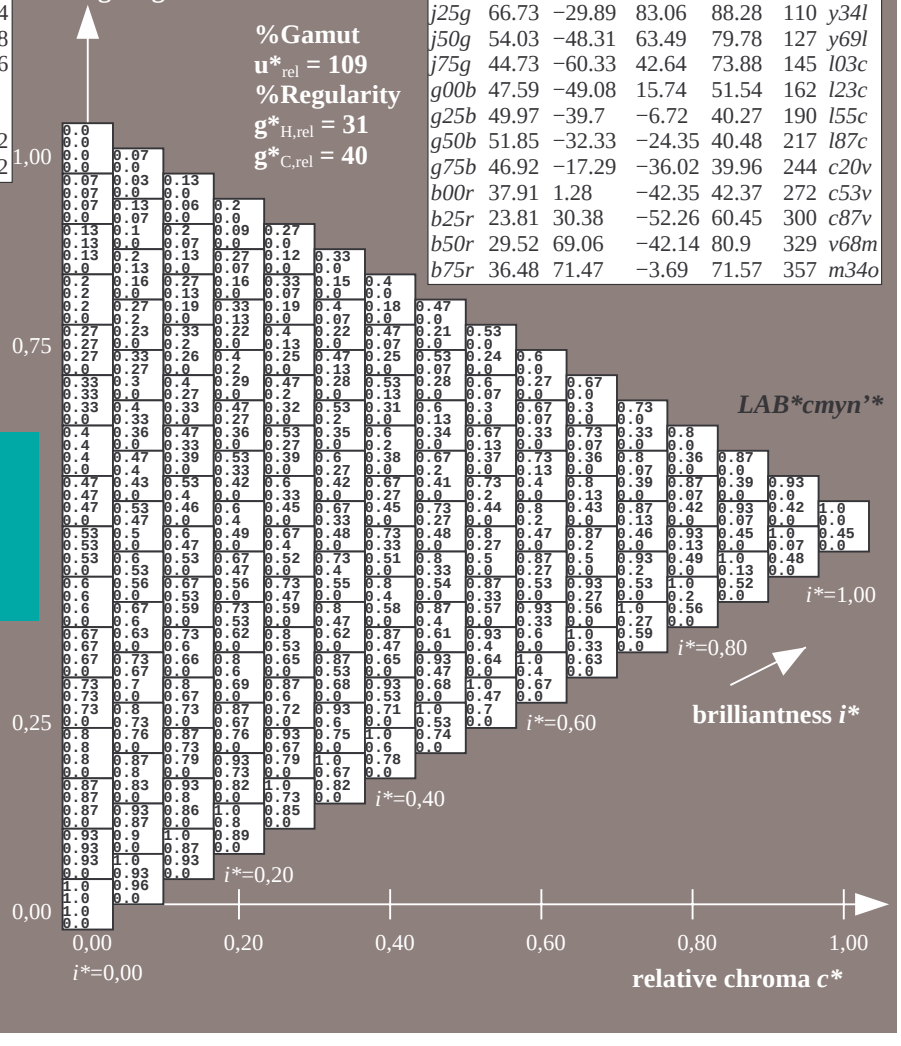
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *g25b*
LAB*cmyn'*

FRS09_92aM; 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	−52.06	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*

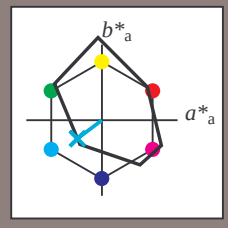




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.603**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

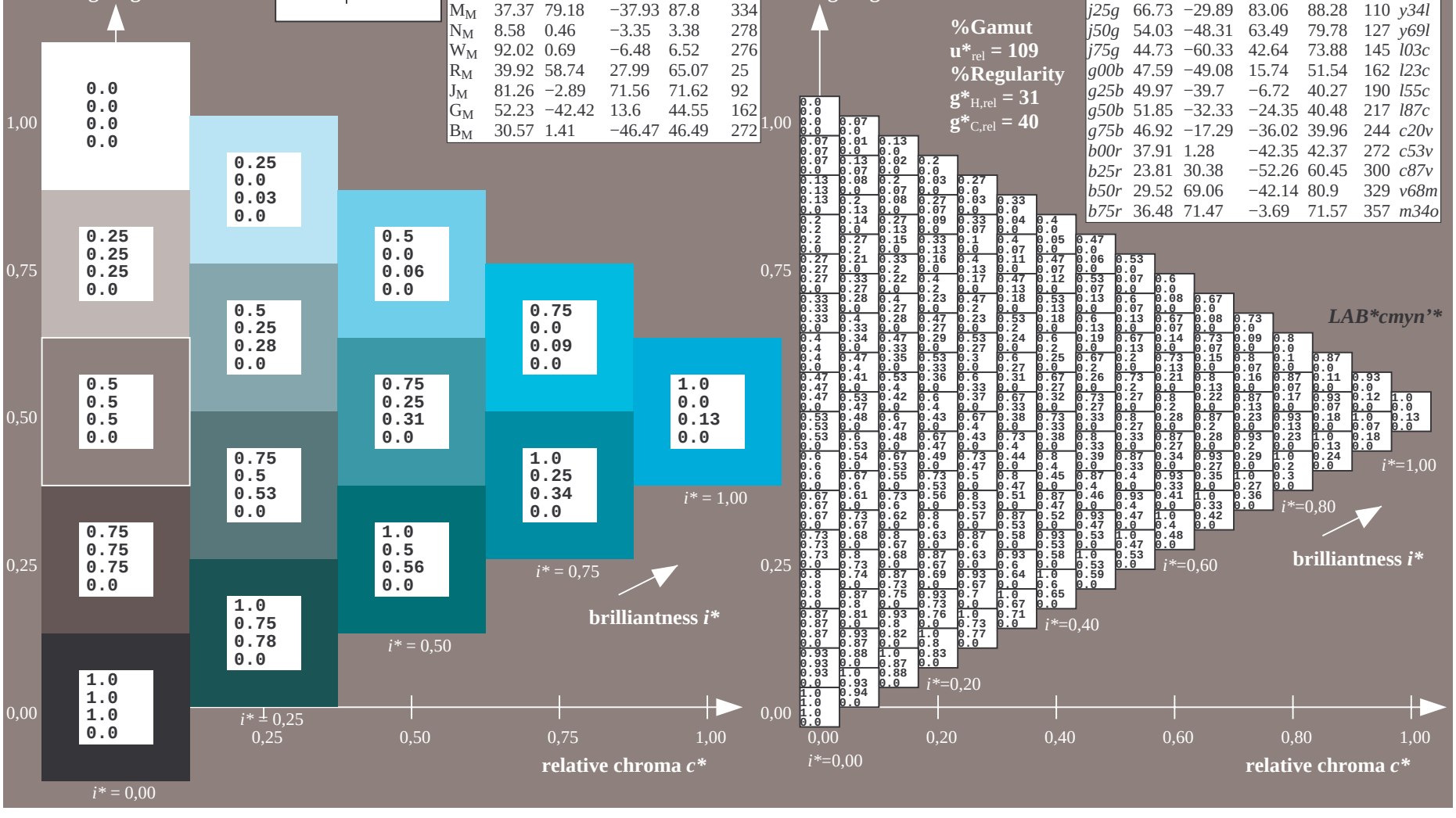
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −32 −24**
LAB*LCH*$_{Ma}$**: 52 40 216**
lab*rgb*$_{Ma}$**: 0.0 1.0 1.0**
lab*olv*$_{Ma}$**: 0.0 1.0 0.87**
triangle lightness *t**

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

u^*_e = *g50b*
LAB*cmyn'*

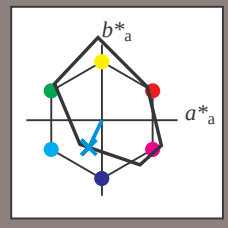
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.679**

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_92aM; CIELAB data

u^*_e	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

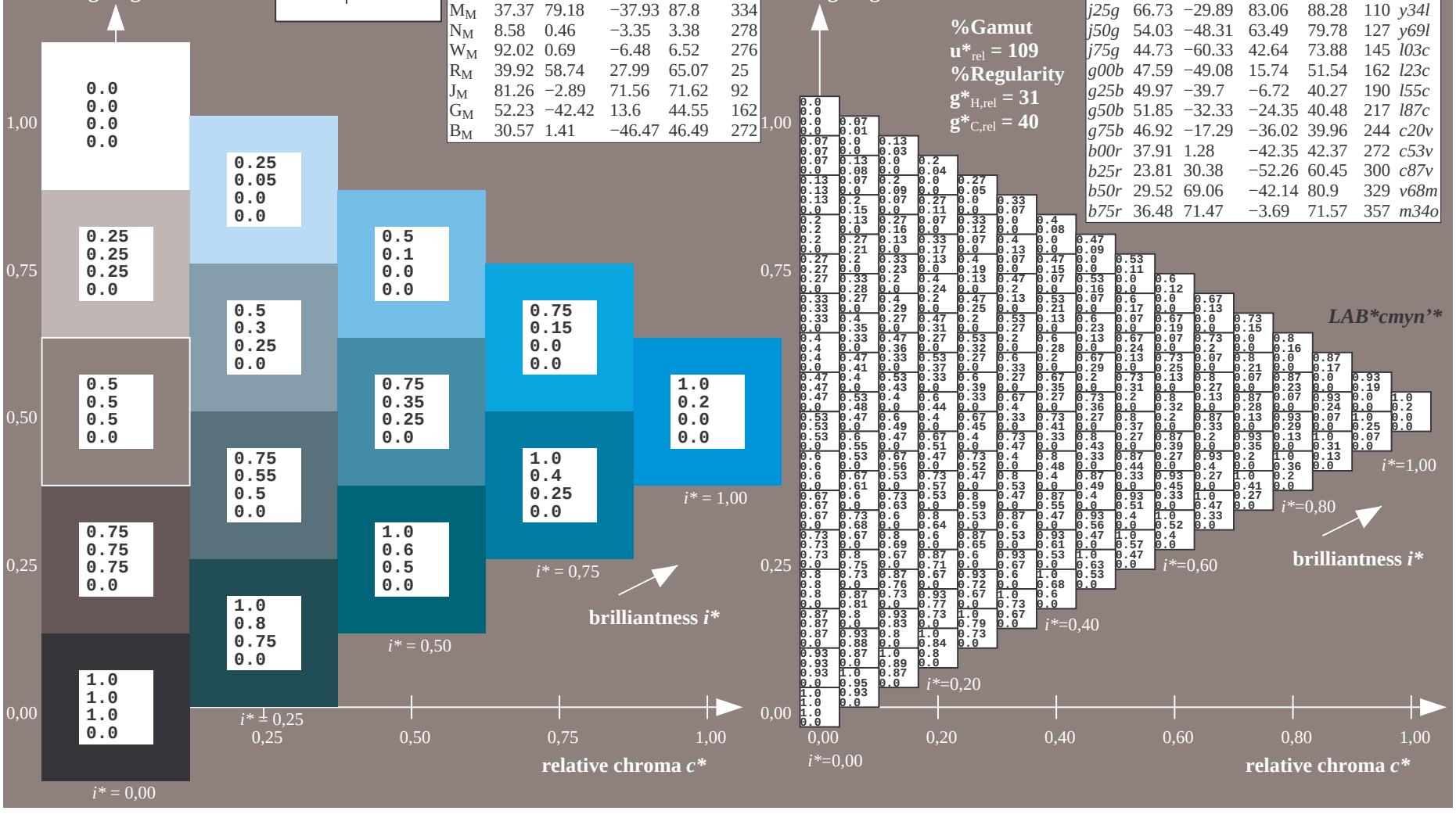
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −17 −36**
LAB*LCH*$_{Ma}$**: 47 40 244**
lab*rgb*$_{Ma}$**: 0.0 0.5 1.0**
lab*olv*$_{Ma}$**: 0.0 0.8 1.0**
triangle lightness *t**

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

u^*_e = *g75b*
LAB*cmyn'*

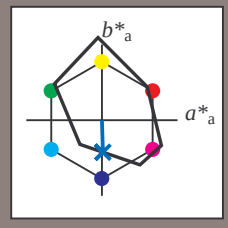
FRS09_92aM; adapted (a) CIELAB data

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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.755**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

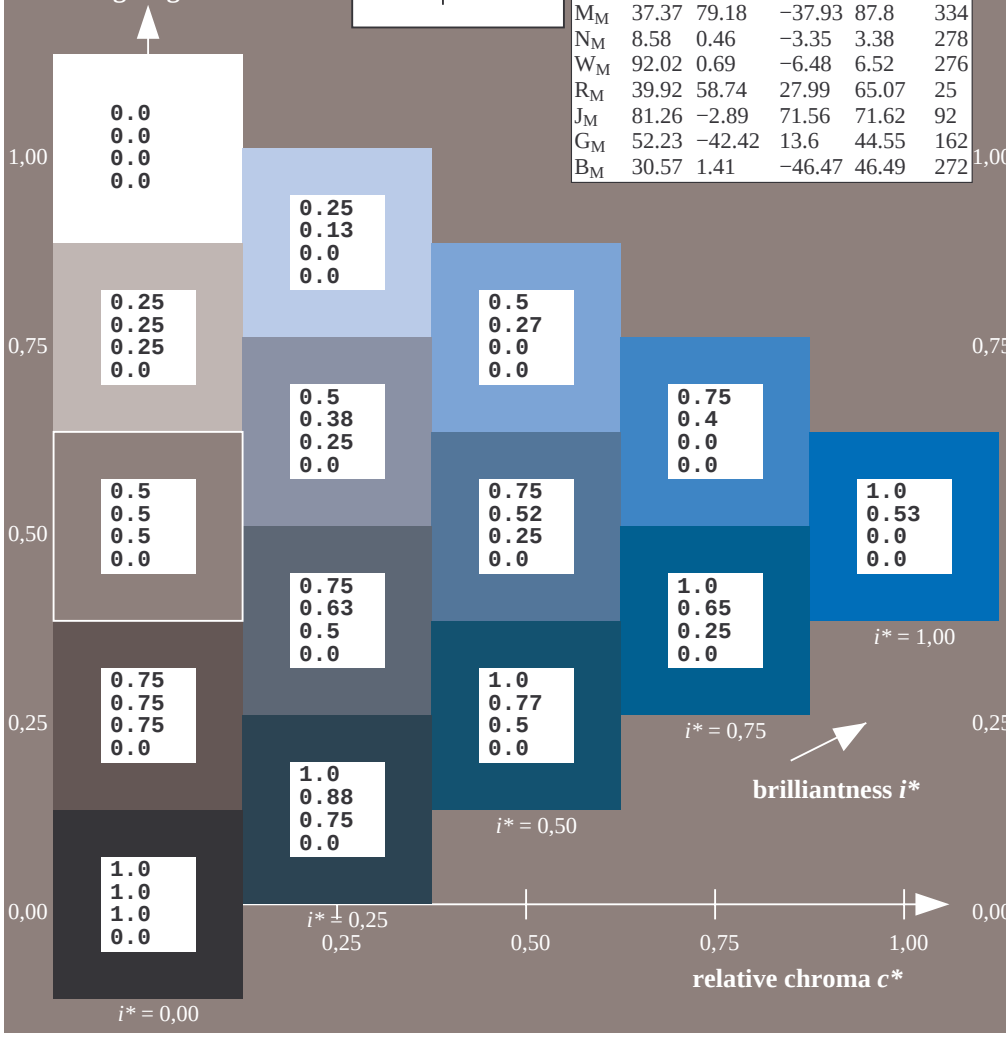
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 38 1 −42**
LAB*LCH*$_{Ma}$**: 38 42 271**
lab*rgb*$_{Ma}$**: 0.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.47 1.0**
triangle lightness *t**

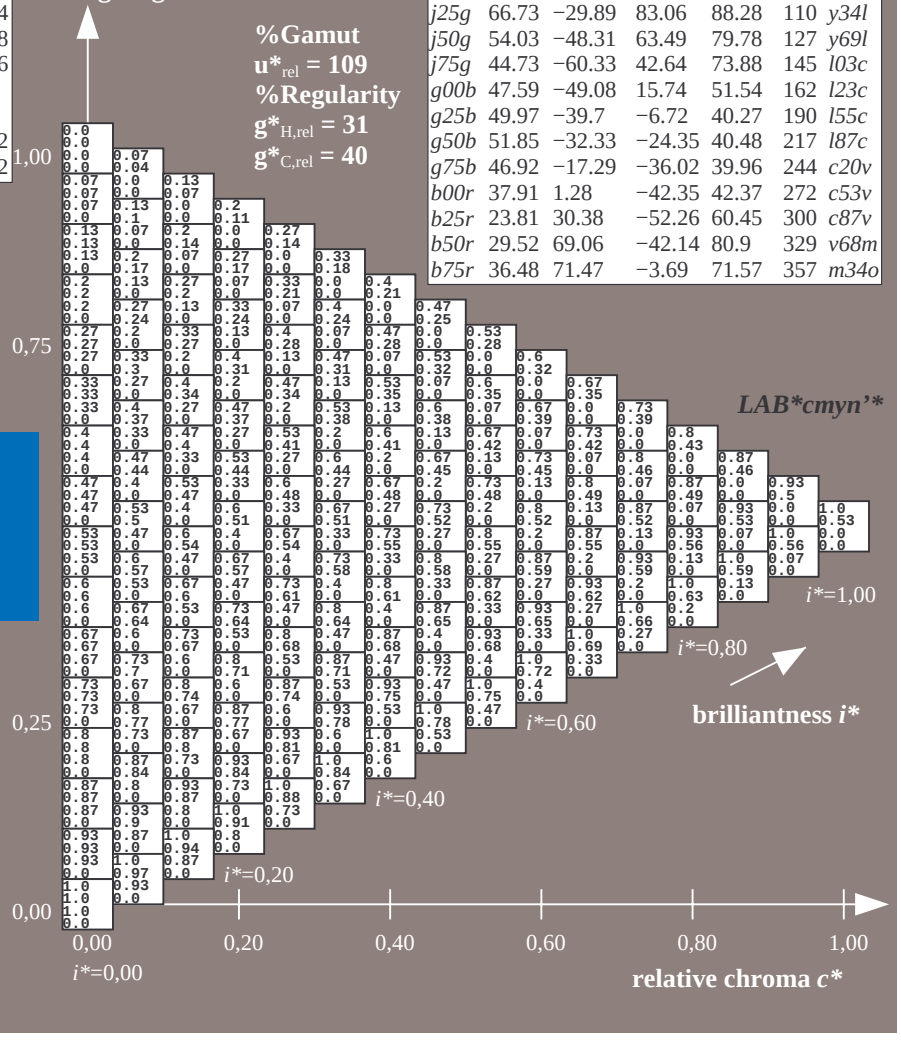
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b00r*
LAB*cmyn'*

FRS09_92aM; 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	−52.06	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*

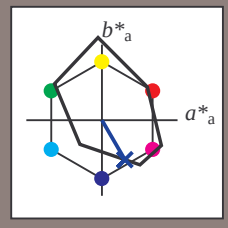




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.834**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

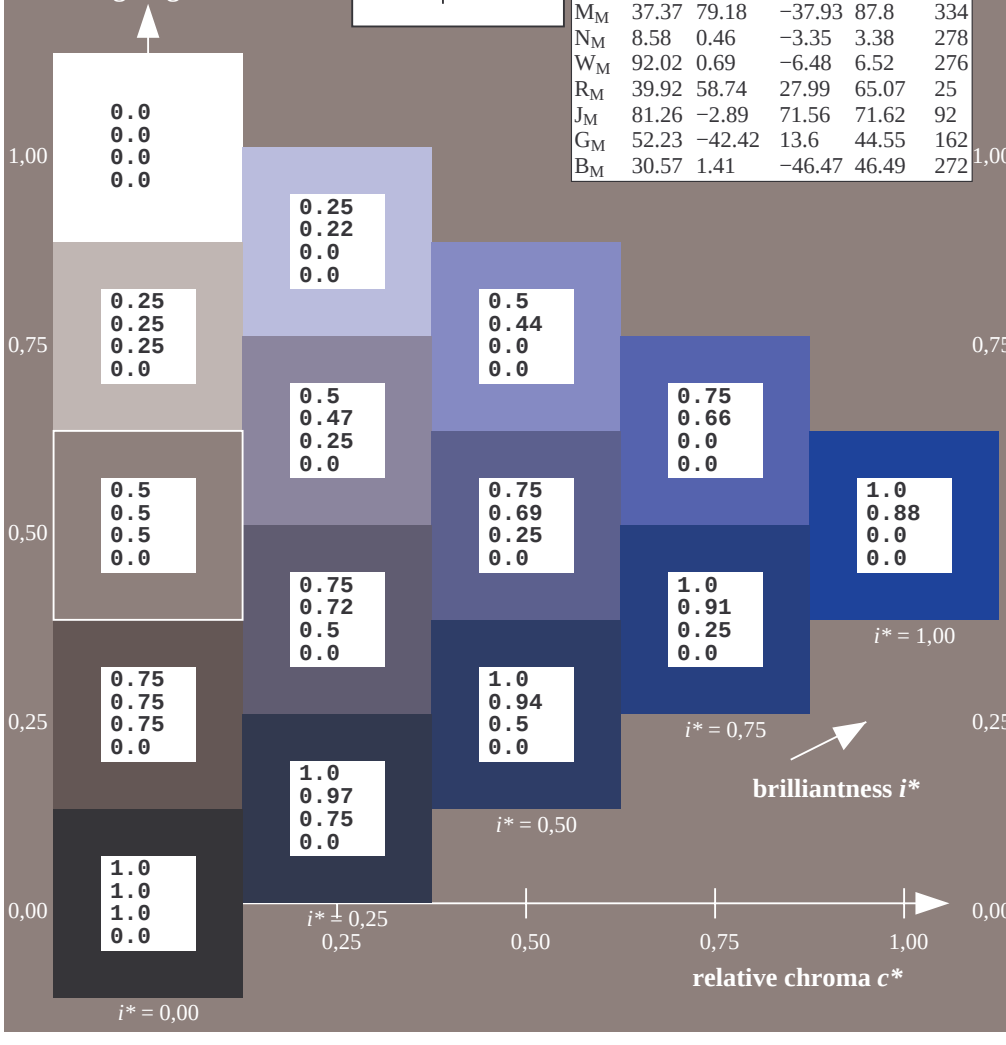
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 24 30 −52**
LAB*LCH*$_{Ma}$**: 24 60 300**
lab*rgb*$_{Ma}$**: 0.5 0.0 1.0**
lab*olv*$_{Ma}$**: 0.0 0.12 1.0**
triangle lightness *t**

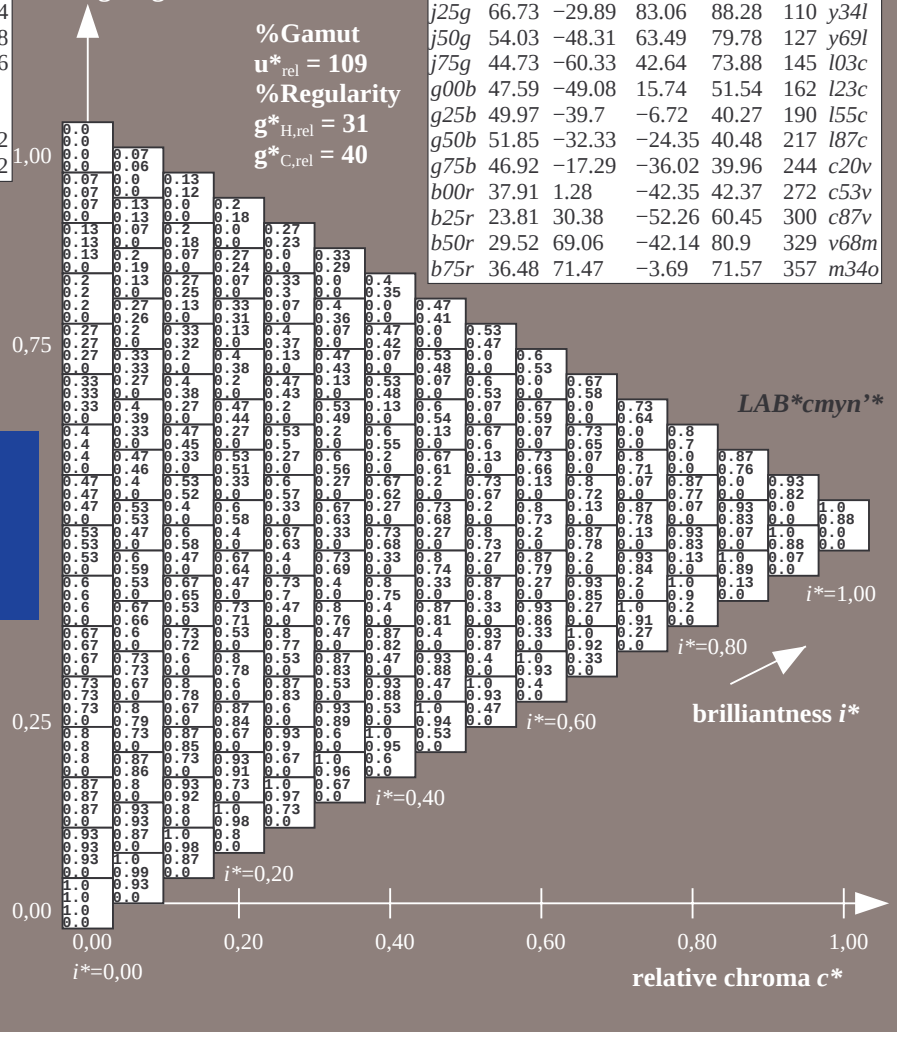
%Gamut
u^*_{rel} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_e = *b25r*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

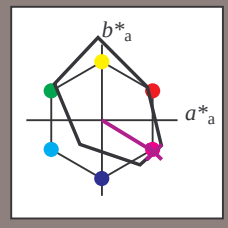
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	*m81o*
r25j	39.12	54.56	49.45	73.64	42	*o10y*
r50j	50.64	39.15	64.89	75.79	59	*o40y*
r75j	64.01	21.26	82.83	85.52	76	*o69y*
j00g	83.18	−4.38	108.53	108.62	92	*o98y*
j25g	66.73	−29.89	83.06	88.28	110	*y34l*
j50g	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_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.913**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

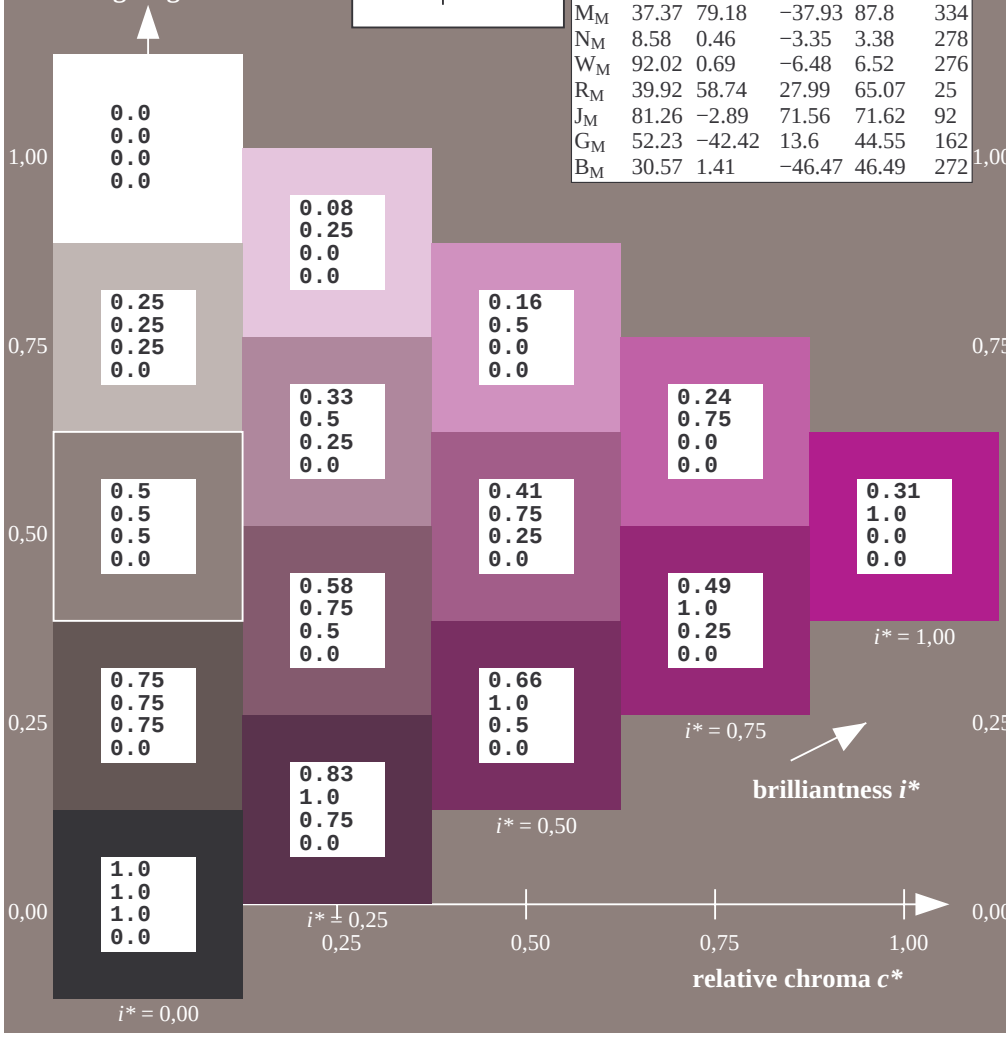
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 69 −42**
LAB*LCH*$_{Ma}$**: 30 81 328**
lab*rgb*$_{Ma}$**: 1.0 0.0 1.0**
lab*olv*$_{Ma}$**: 0.69 0.0 1.0**
triangle lightness *t**

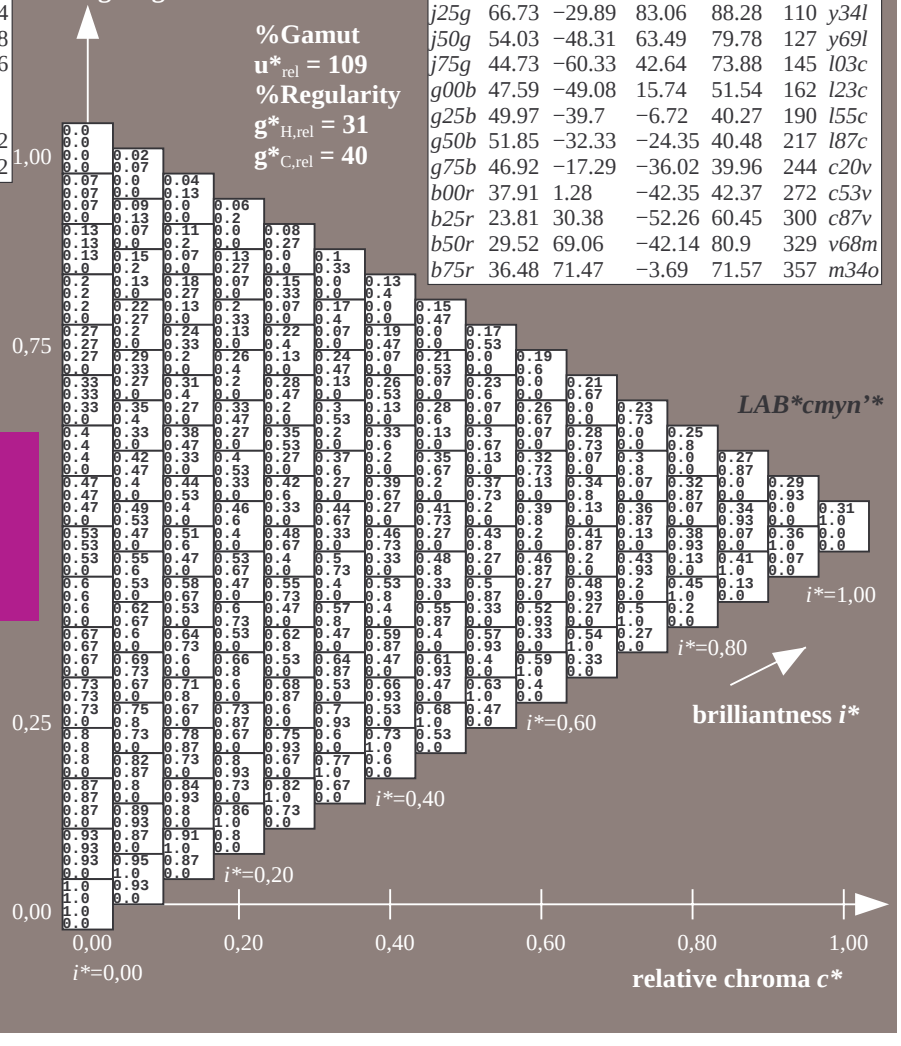
%Gamut
u^*_{rel} **= 109**
%Regularity
$g^*_{H,rel}$ **= 31**
$g^*_{C,rel}$ **= 40**

u^*_e **= *b50r***
LAB*cmyn'*

FRS09_92aM; 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*

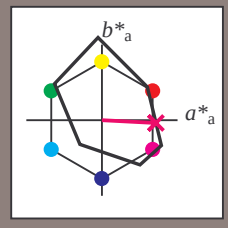




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.992**

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_92aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	−4.5	103.15	103.25	92
L_M	44.13	−62.11	43.56	75.86	145
C_M	52.66	−28.56	−36.99	46.73	232
V_M	14.15	50.78	−62.6	80.61	309
M_M	37.37	79.18	−37.93	87.8	334
N_M	8.58	0.46	−3.35	3.38	278
W_M	92.02	0.69	−6.48	6.52	276
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	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

u^*_e = *b75r*
LAB*cmyn'*

FRS09_92aM; 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*