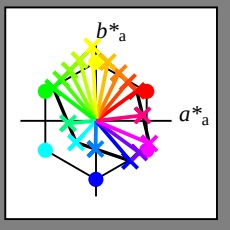
Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

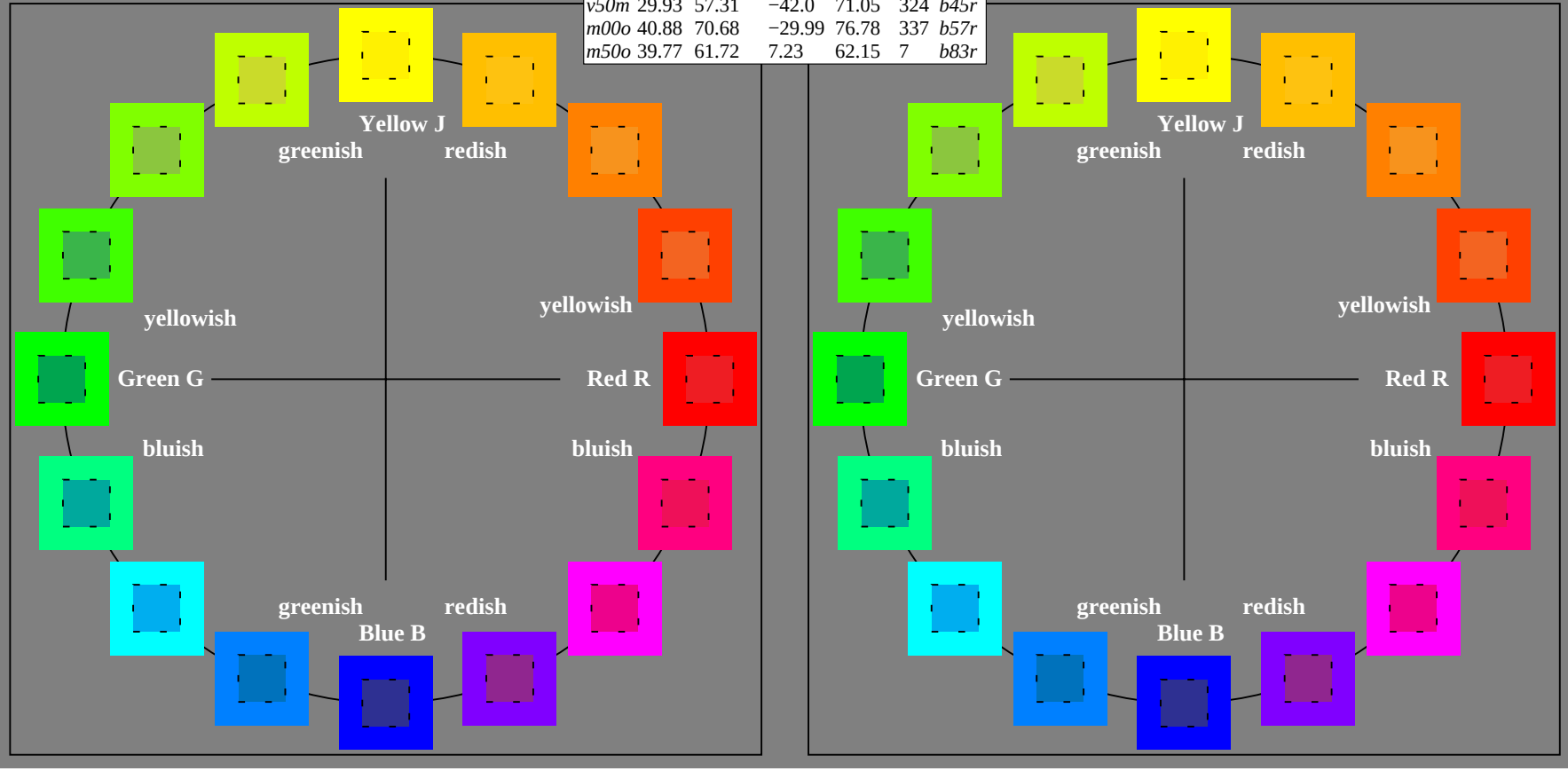
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

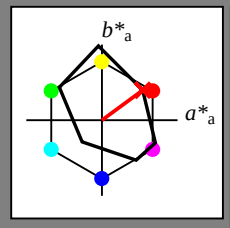
FRS09_92aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101** **u^*_d = *o00y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

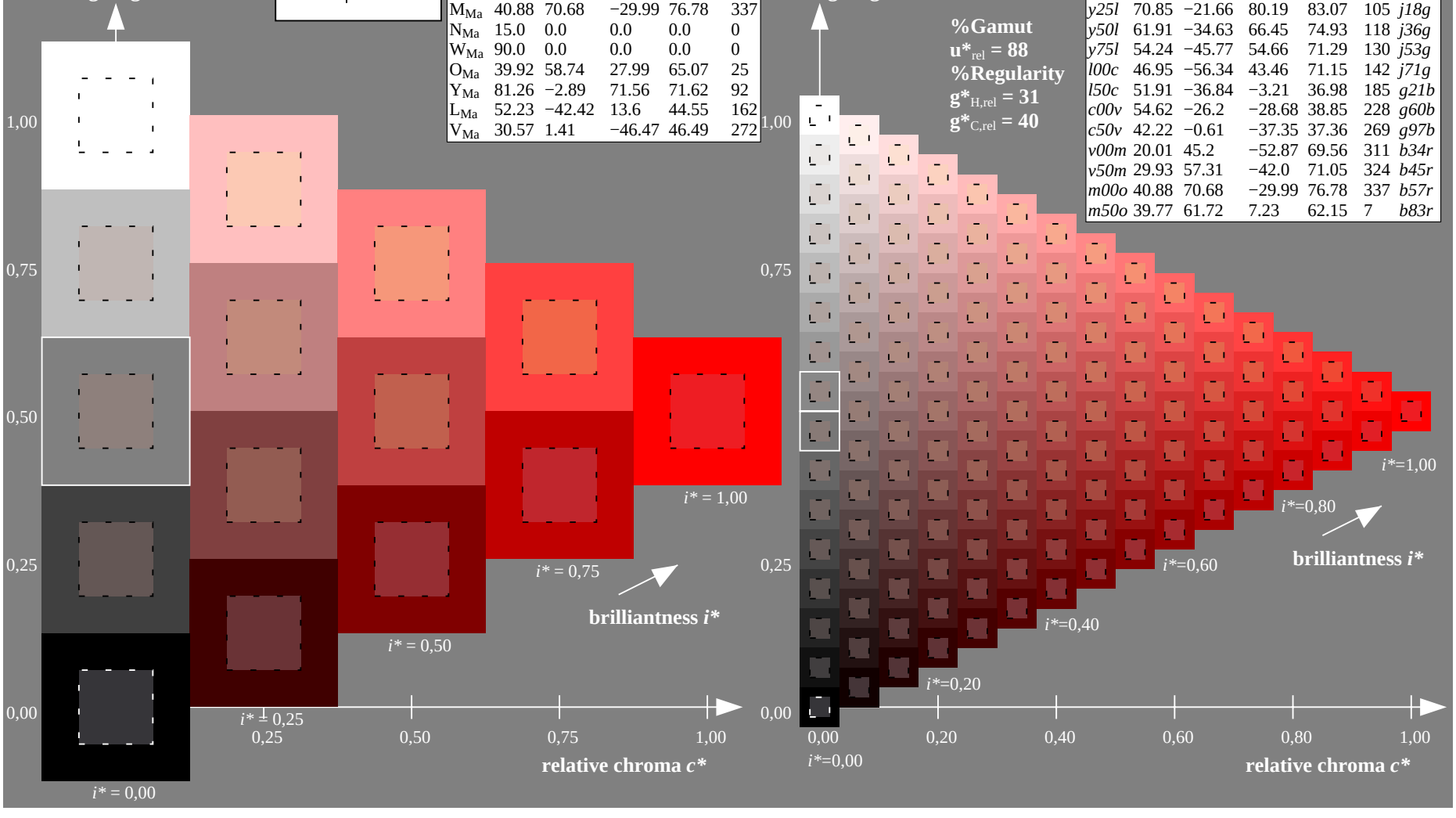
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 54 40**
LAB*LCH*$_{Ma}$**: 39 67 36**
lab*olv*$_{Ma}$**: 1.0 0.0 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.16 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

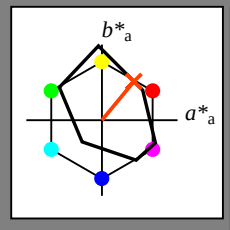
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

u*d = o25y

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = o25y ***u*e = r37j***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

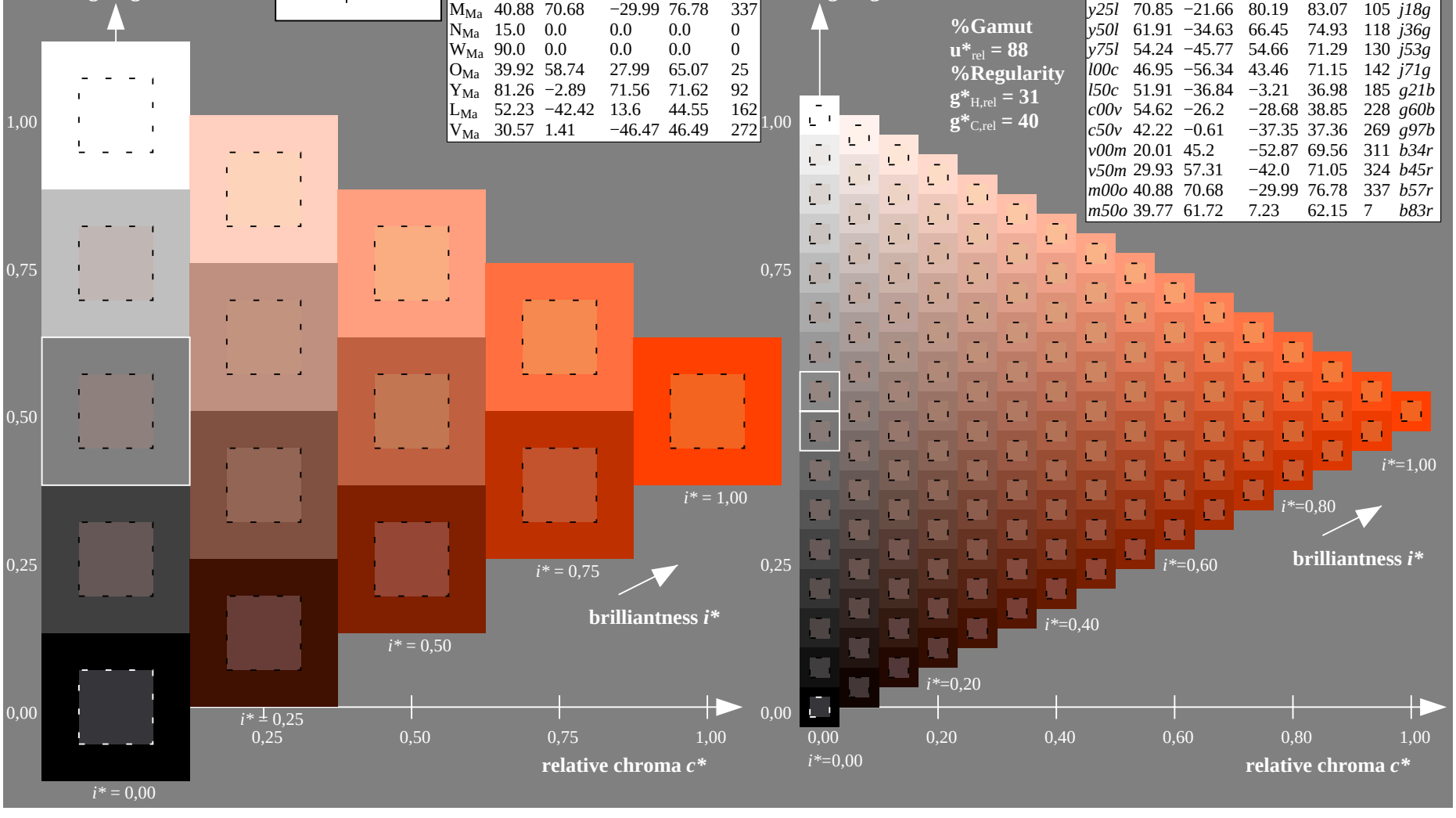
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 42 51**
LAB*LCH*$_{Ma}$**: 47 66 50**
lab*olv*$_{Ma}$**: 1.0 0.25 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.37 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

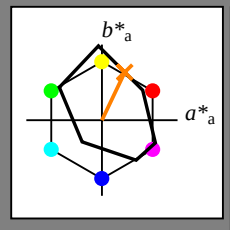
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

u*d = o50y

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = o50y ***u*e = r58j***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

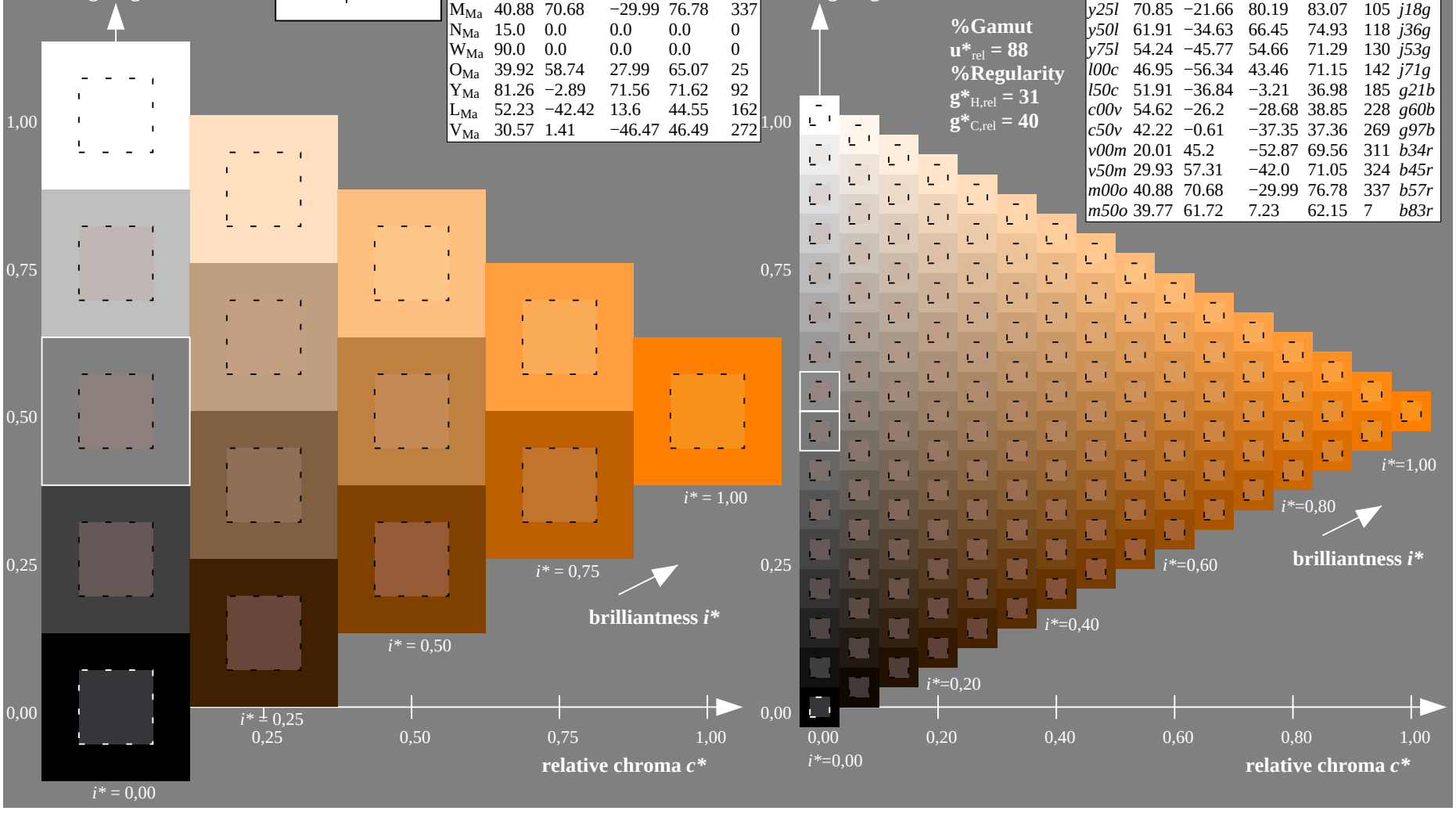
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 30 63**
LAB*LCH*$_{Ma}$**: 57 70 64**
lab*olv*$_{Ma}$**: 1.0 0.5 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.58 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

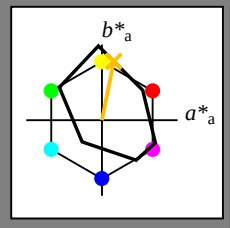
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218** **u^*_d = *o75y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

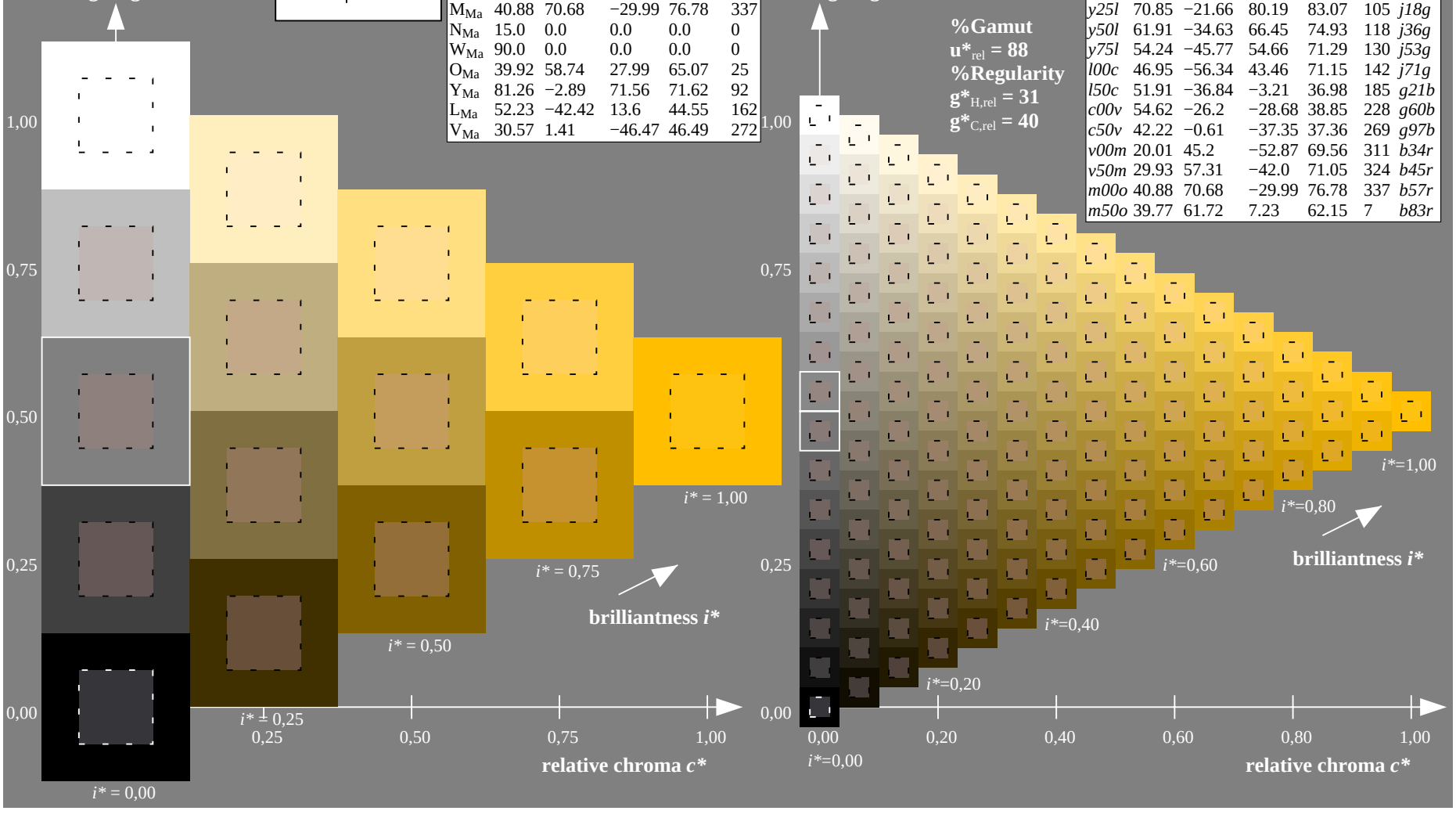
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

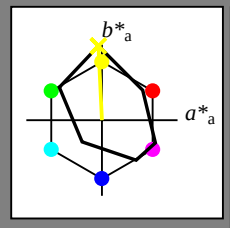
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

u*d = y00l

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

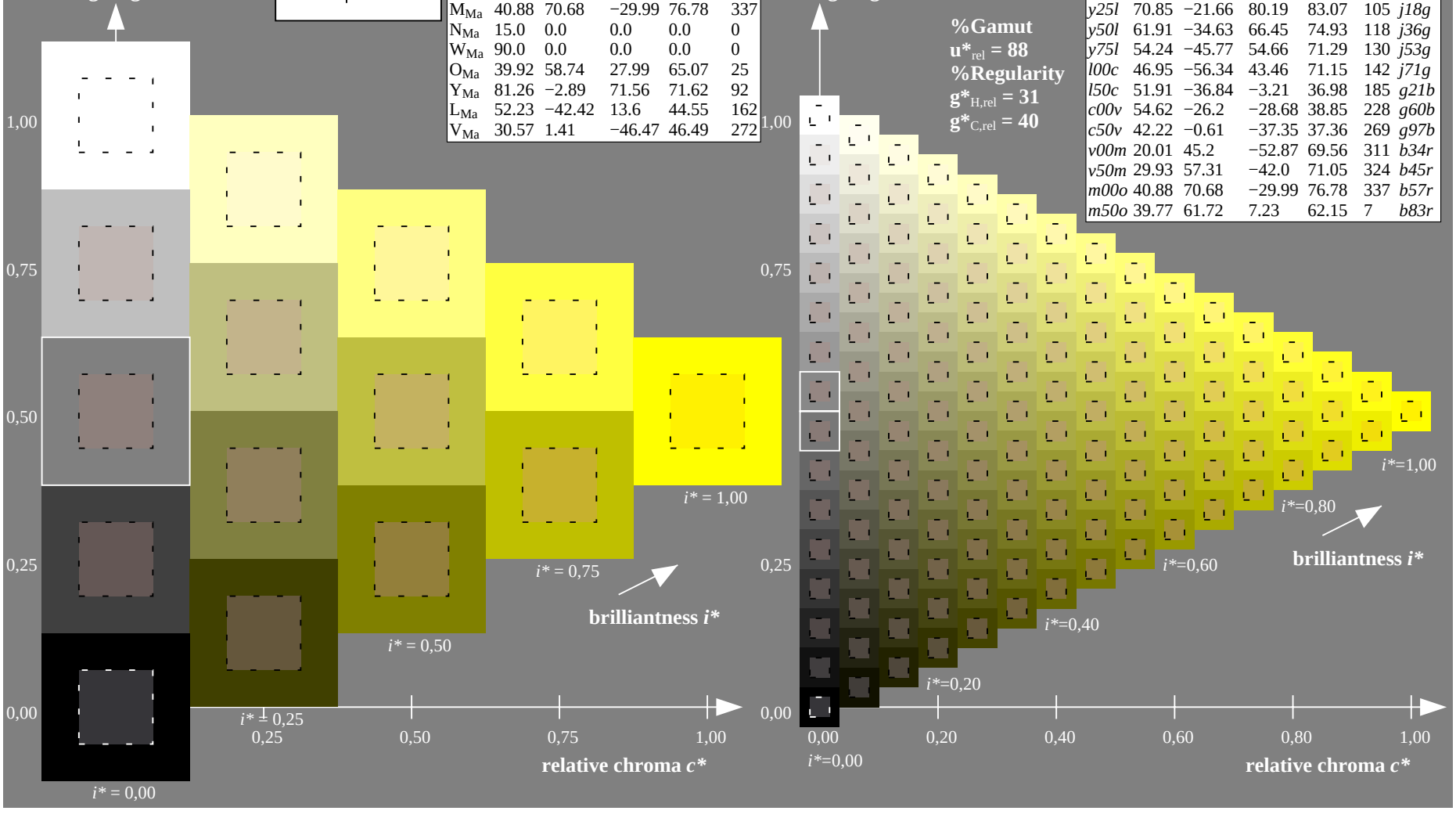
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −5 98**
LAB*LCH*$_{Ma}$**: 83 98 92**
lab*olv*$_{Ma}$**: 1.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.99 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

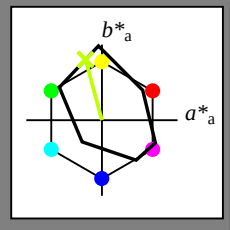
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

u*d = y25l

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = y25l ***u*e = j18g***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

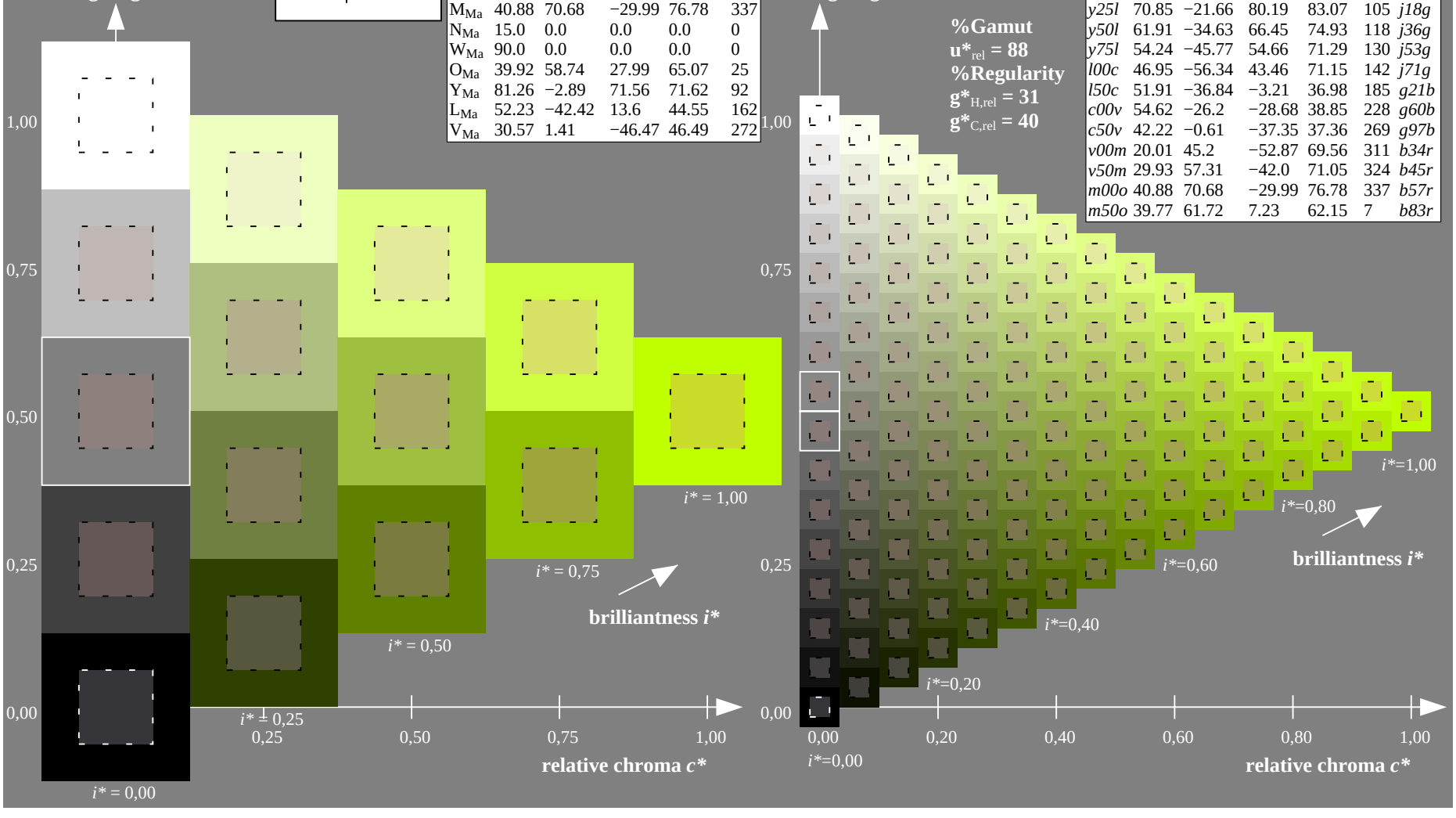
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −22 80**
LAB*LCH*$_{Ma}$**: 71 83 105**
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.82 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

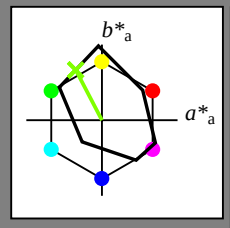
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326** **$u^*_d = y50l$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = y50l$ $u^*_e = j36g$
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

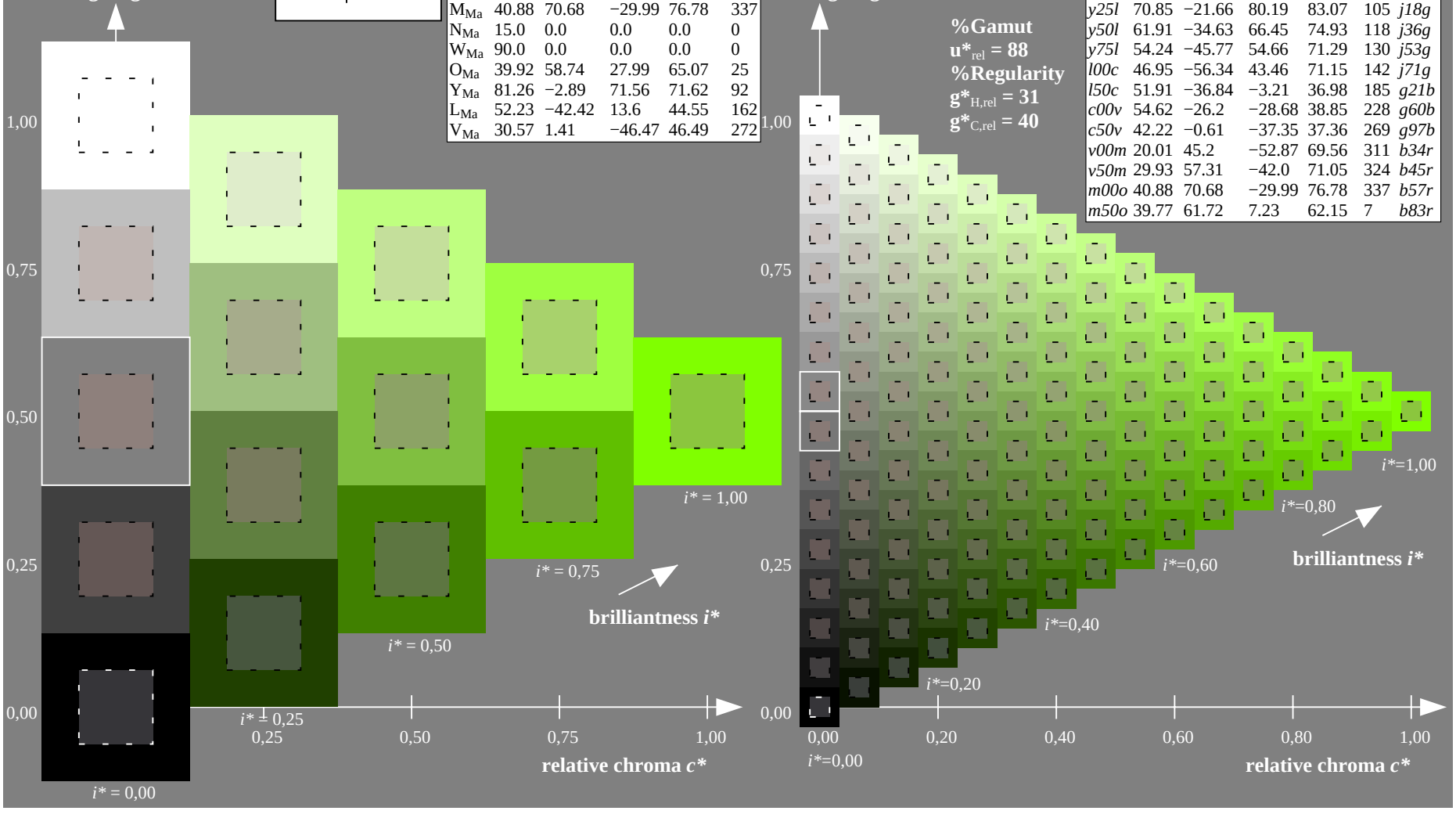
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −35 66**
LAB*LCH*$_{Ma}$**: 62 75 117**
lab*olv*$_{Ma}$**: 0.5 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.64 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

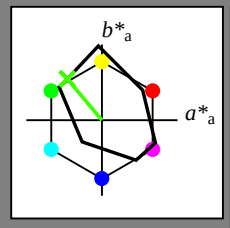
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361** **$u^*_d = y75l$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = y75l$ $u^*_e = j53g$
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

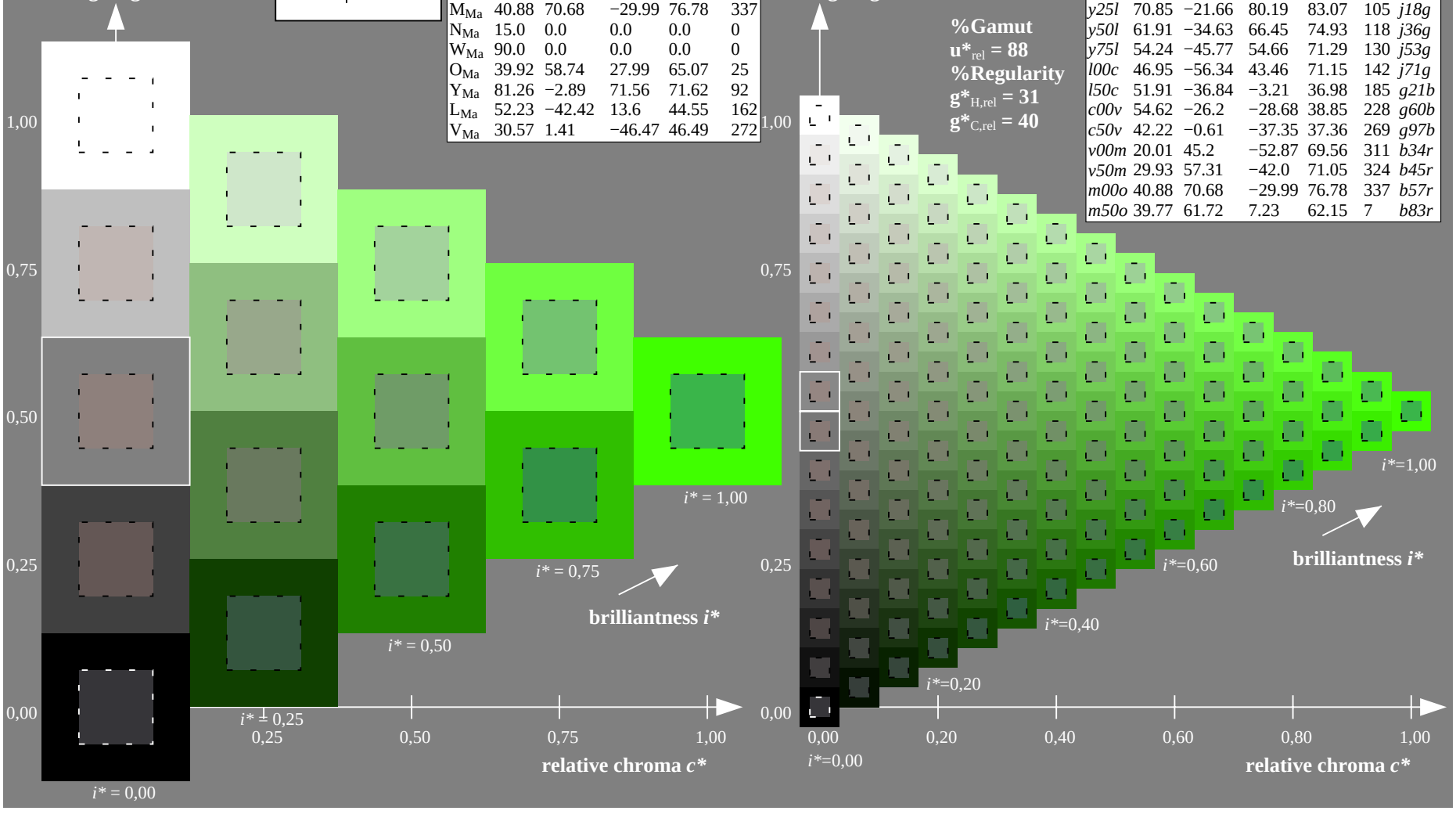
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −46 55**
LAB*LCH*$_{Ma}$**: 54 71 129**
lab*olv*$_{Ma}$**: 0.25 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.46 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

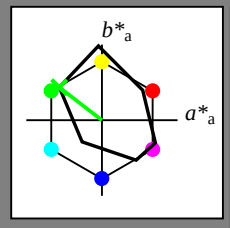
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395** **u^*_d = *l00c***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

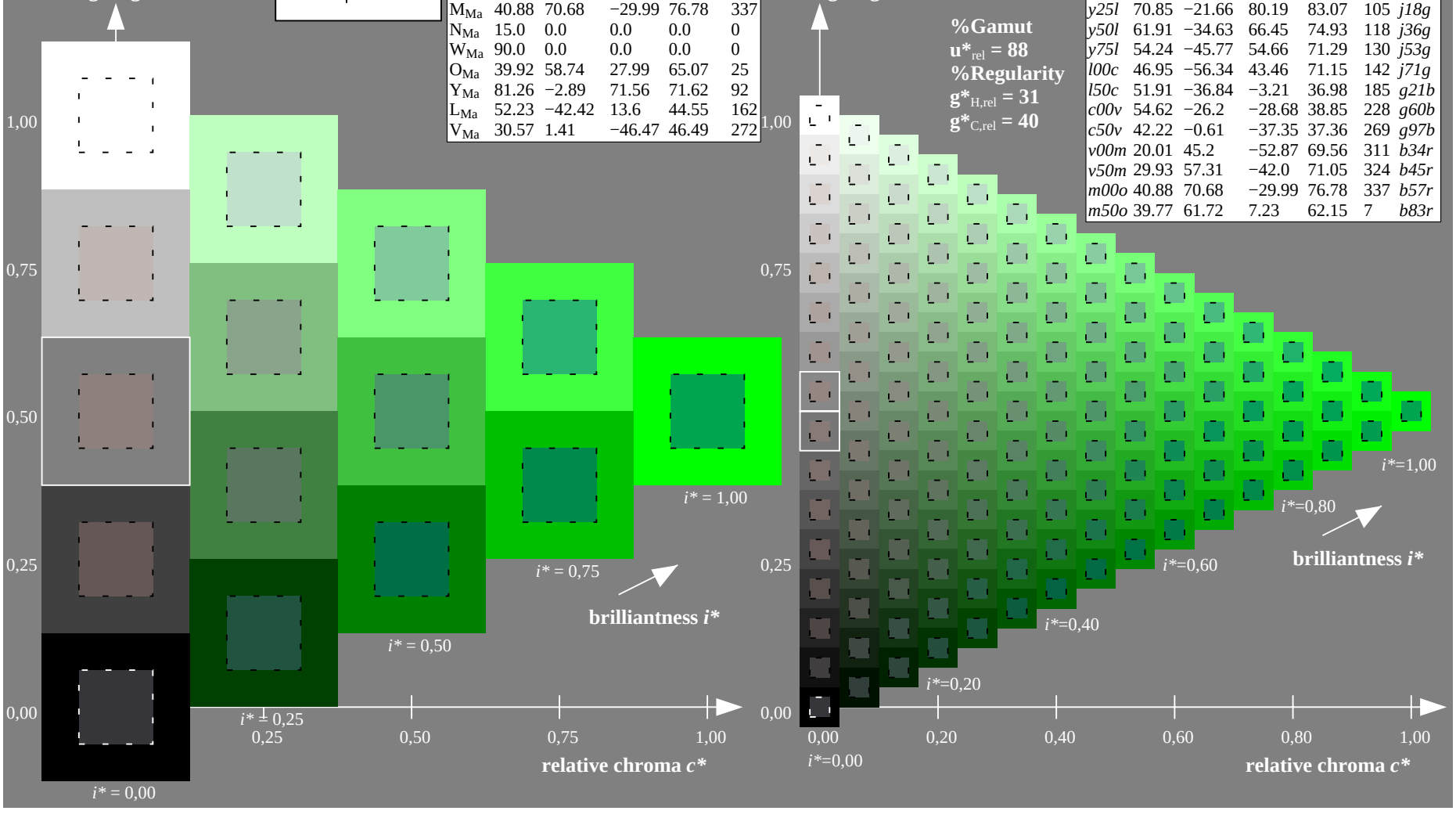
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −56 43**
LAB*LCH*$_{Ma}$**: 47 71 142**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.28 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

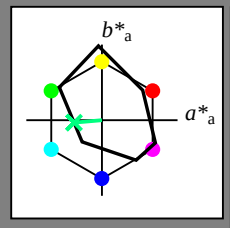
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

u*d = l50c

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = l50c ***u*e = g21b***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

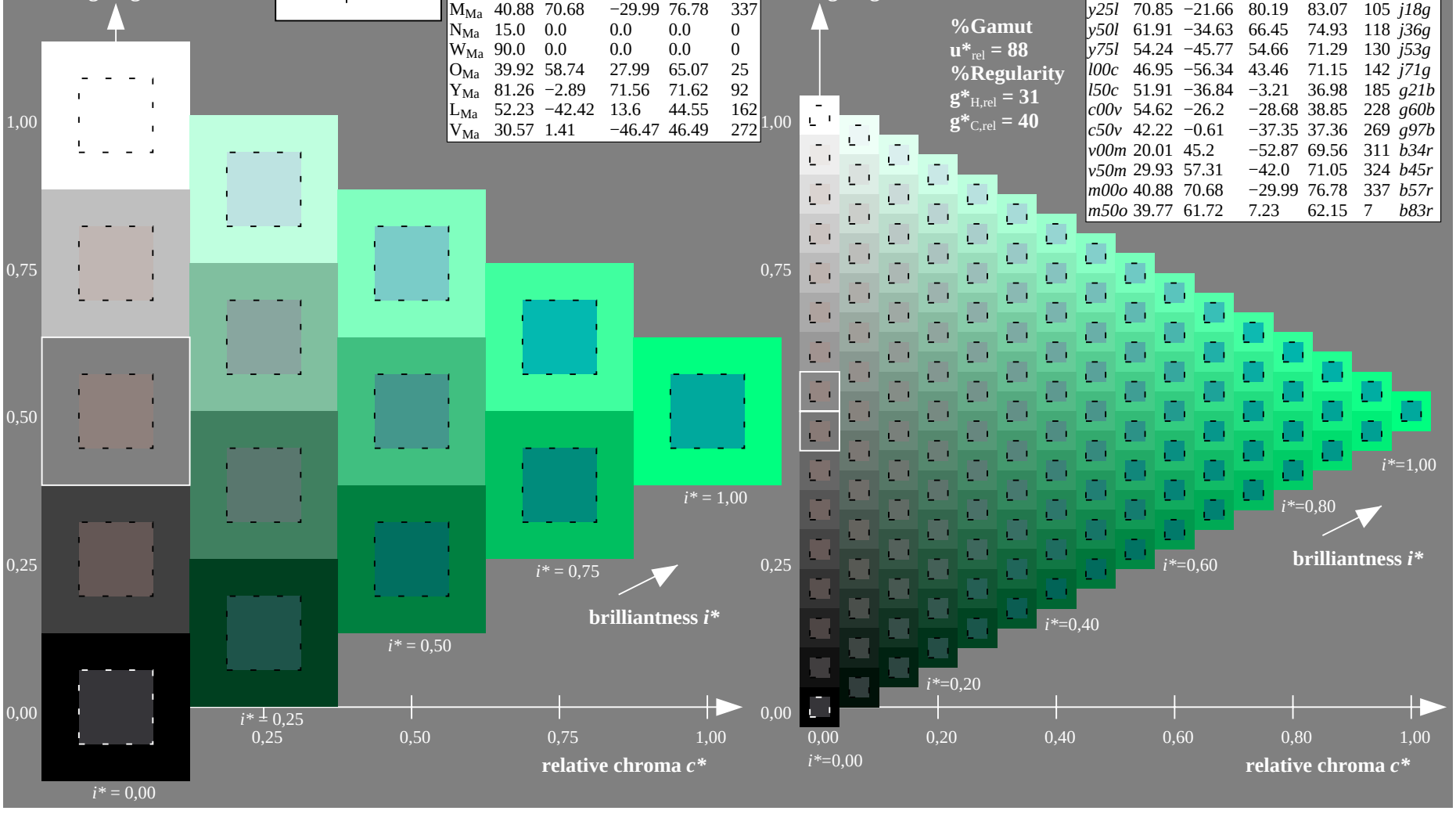
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

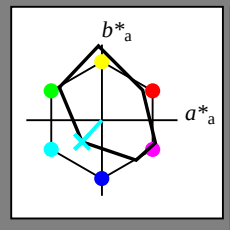
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

u*d = c00v

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = c00v ***u*e = g60b***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

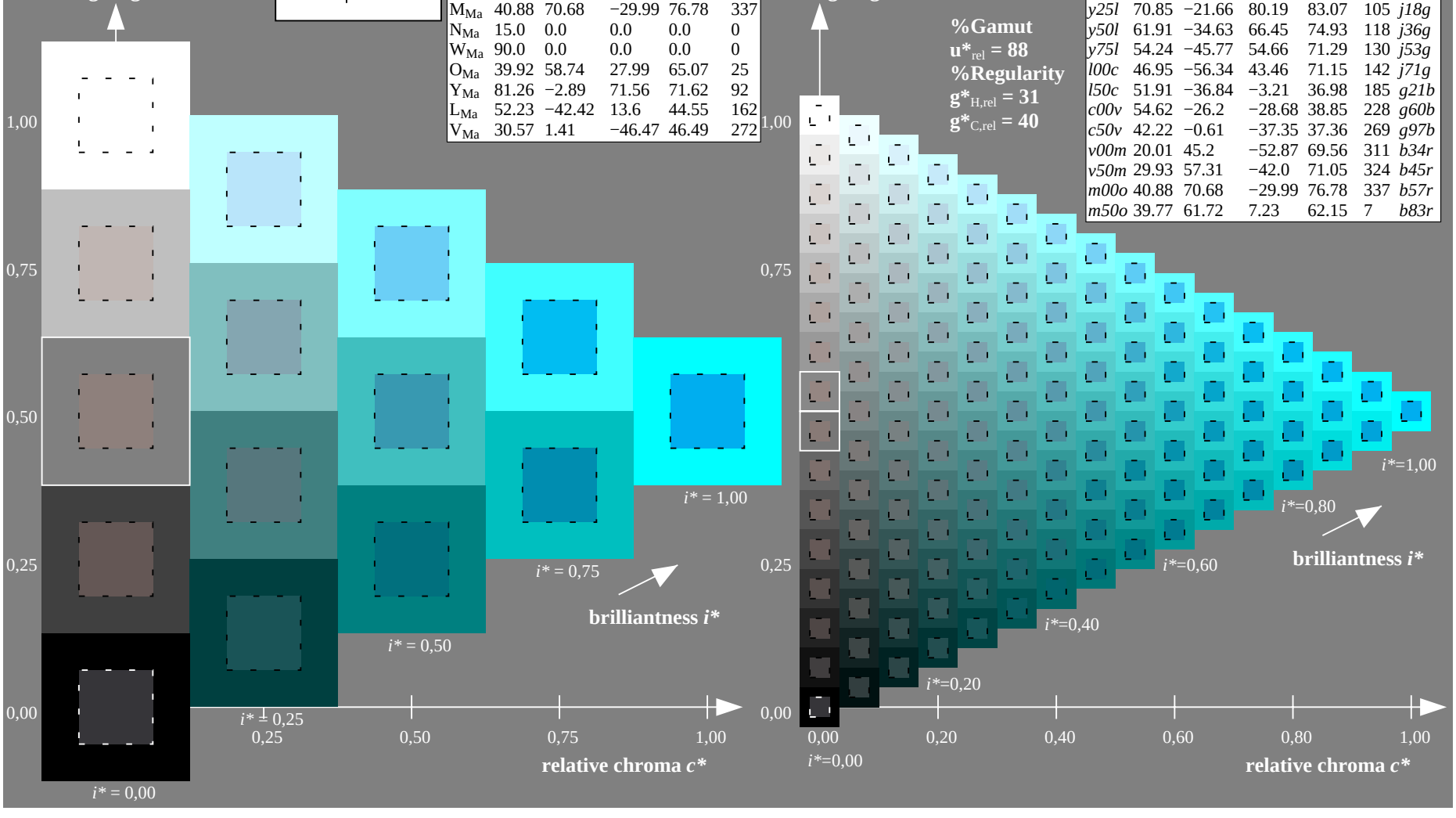
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*Ma: 55 −26 −29**
LAB*LCH*Ma: 55 39 227**
lab*olv*Ma: 0.0 1.0 1.0**
lab*rgb*Ma: 0.0 0.81 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

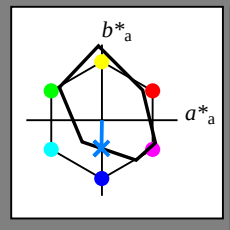
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747** **$u^*_d = c50v$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
$u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

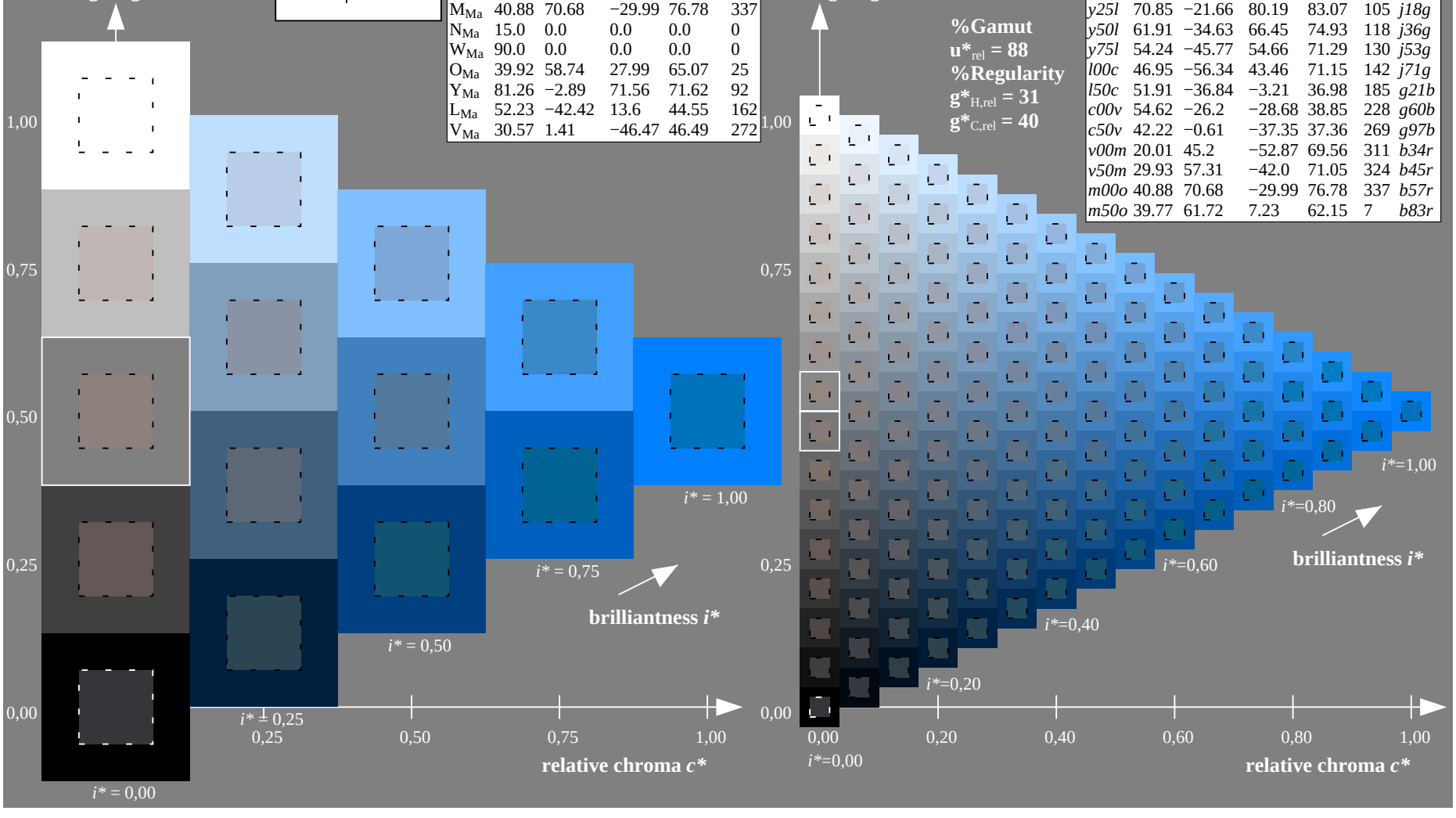
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 −1 −37**
LAB*LCH*$_{Ma}$**: 42 37 269**
lab*olv*$_{Ma}$**: 0.0 0.5 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.05 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

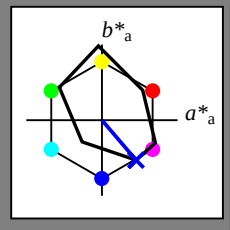
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863** **u^*_d = *v00m***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

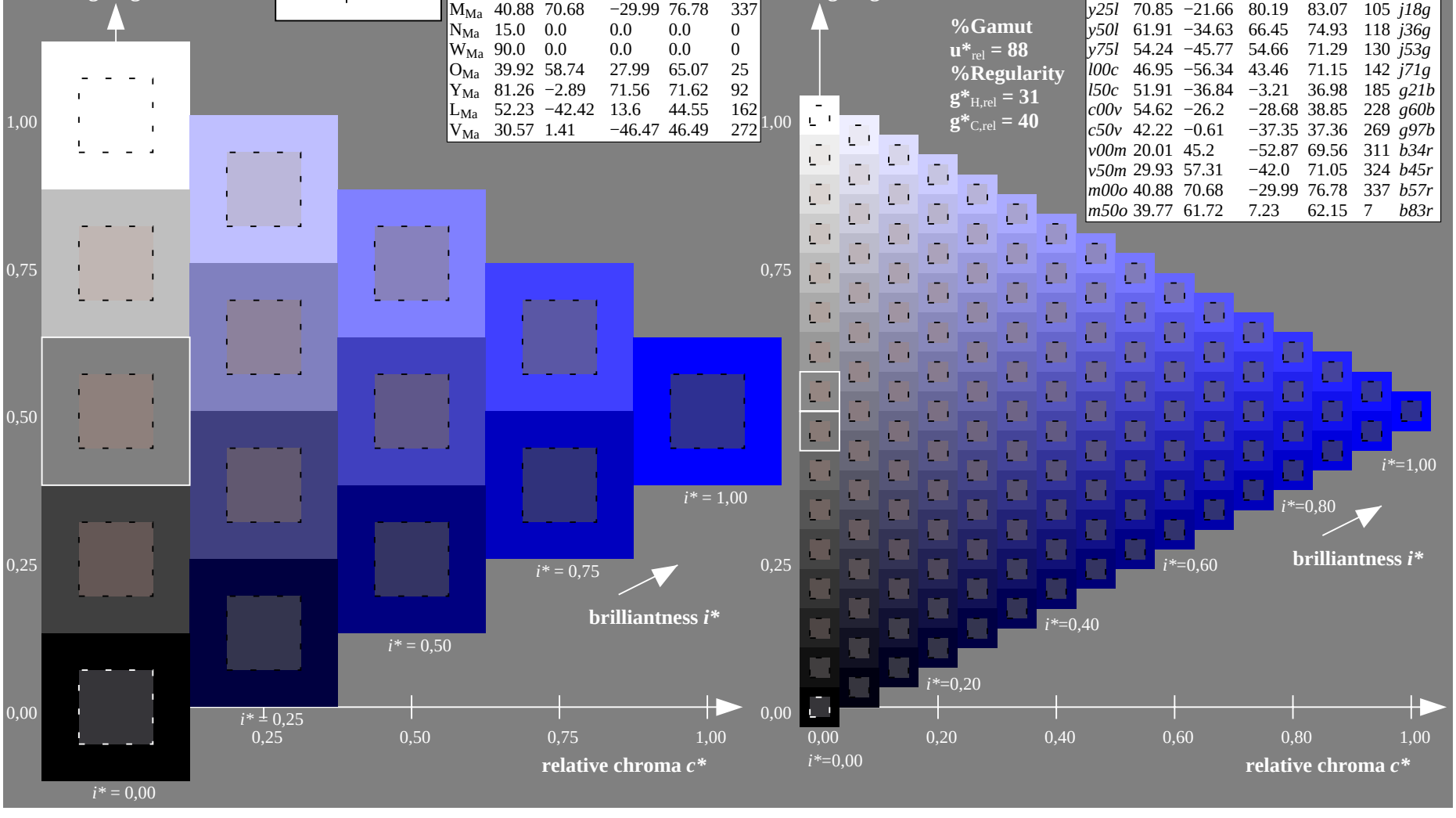
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 20 45 −53**
LAB*LCH*$_{Ma}$**: 20 70 310**
lab*olv*$_{Ma}$**: 0.0 0.0 1.0**
lab*rgb*$_{Ma}$**: 0.68 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

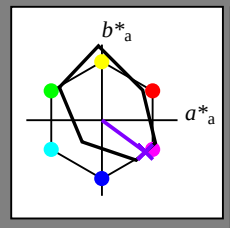
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899** **u^*_d = *v50m***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

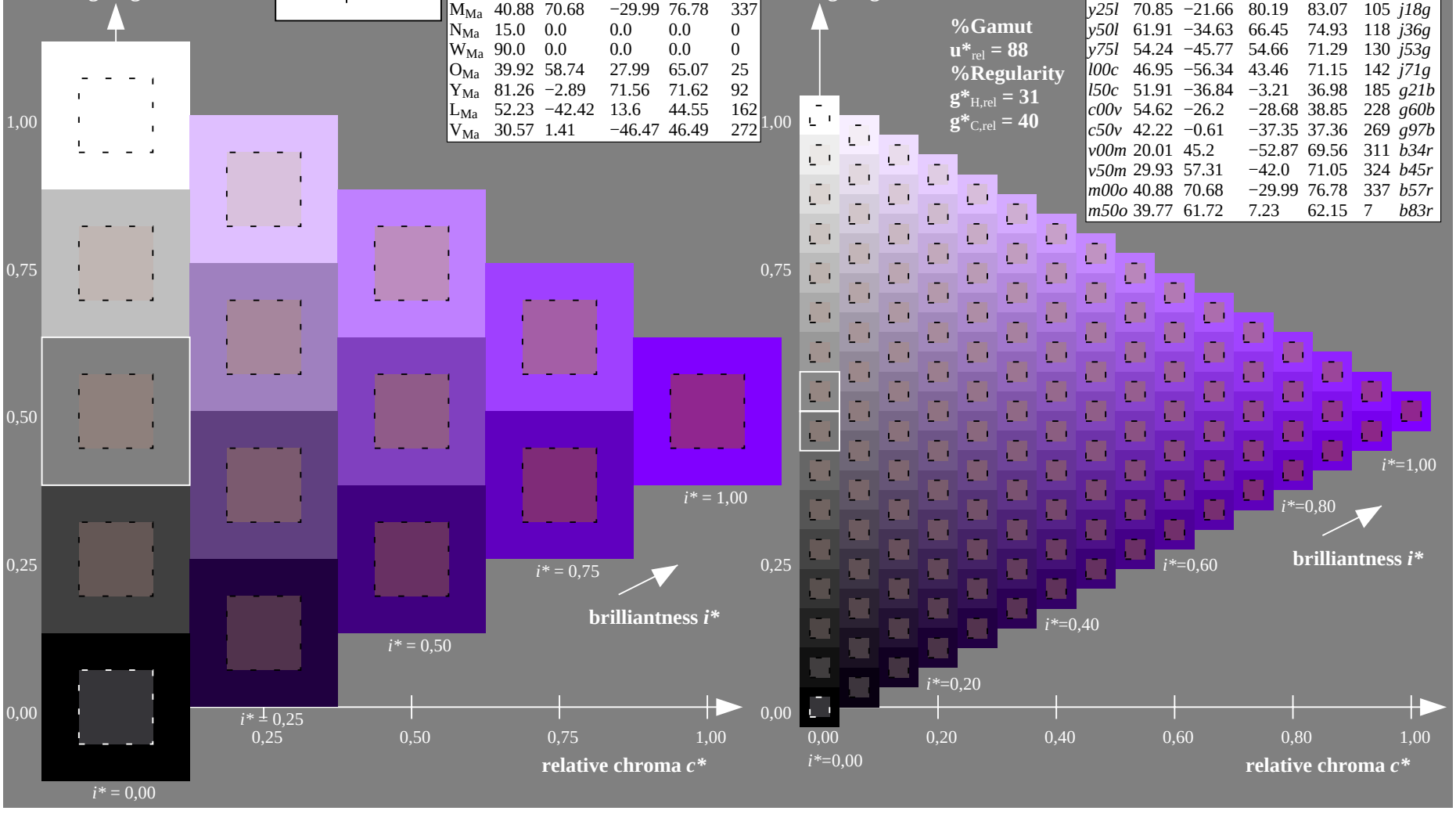
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 57 −42**
LAB*LCH*$_{Ma}$**: 30 71 323**
lab*olv*$_{Ma}$**: 0.5 0.0 1.0**
lab*rgb*$_{Ma}$**: 0.91 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

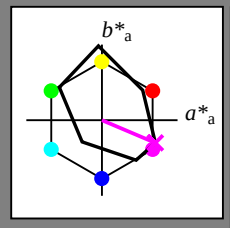
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936** **u^*_d = *m00o***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

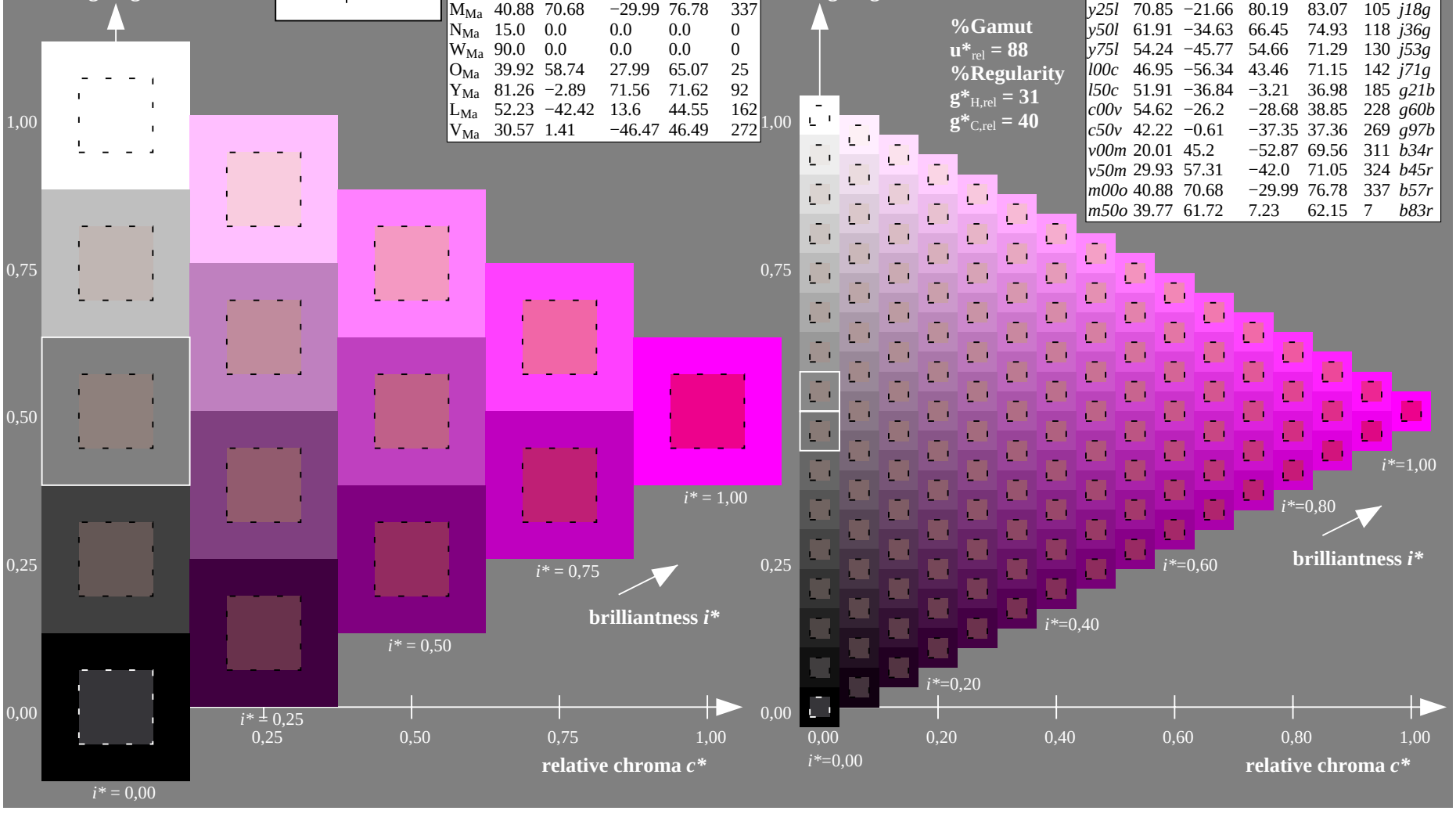
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 41 71 −30**
LAB*LCH*$_{Ma}$**: 41 77 337**
lab*olv*$_{Ma}$**: 1.0 0.0 1.0**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.85**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

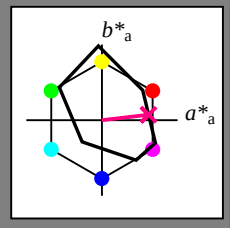
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019** **u^*_d = *m50o***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

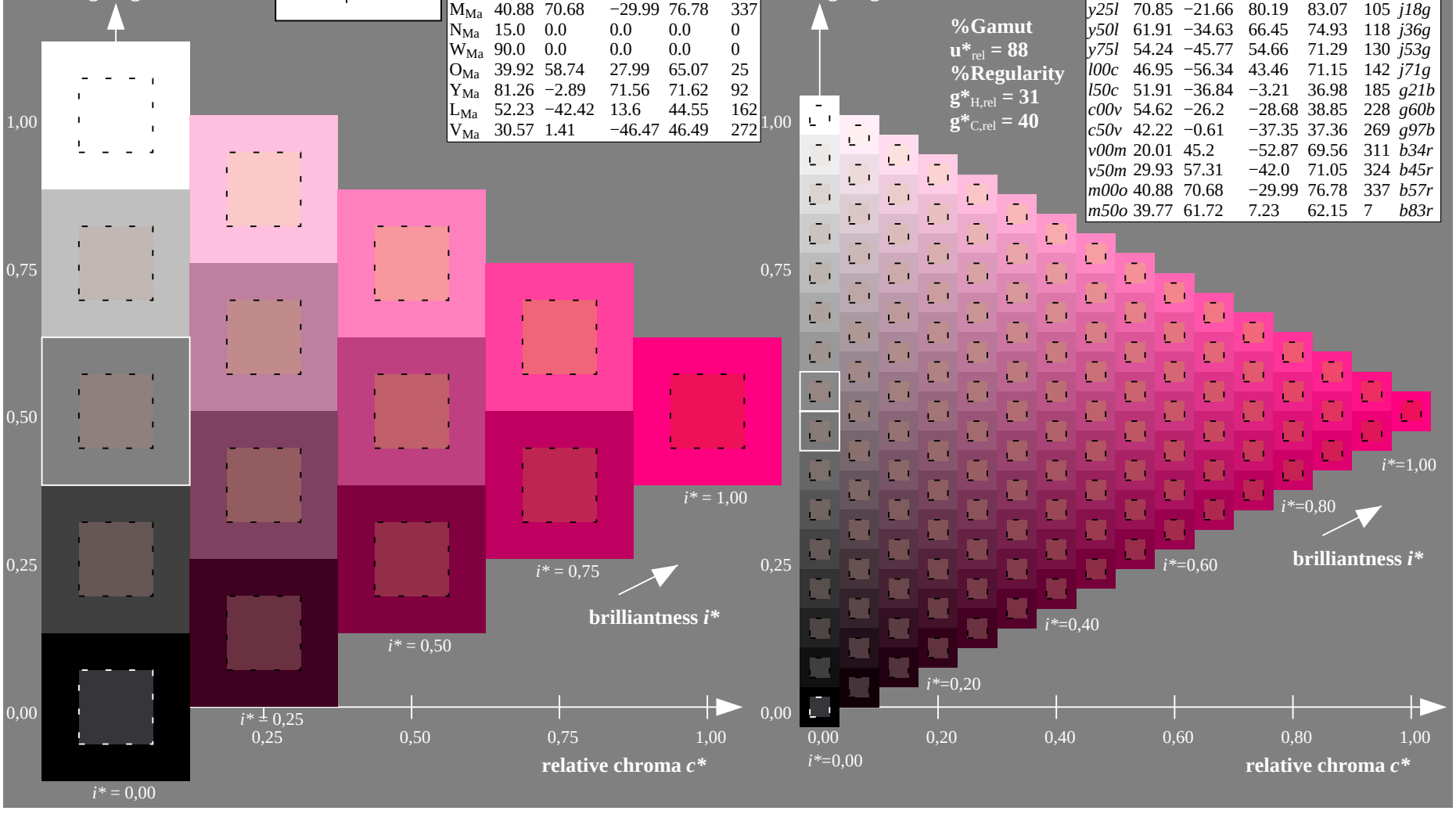
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

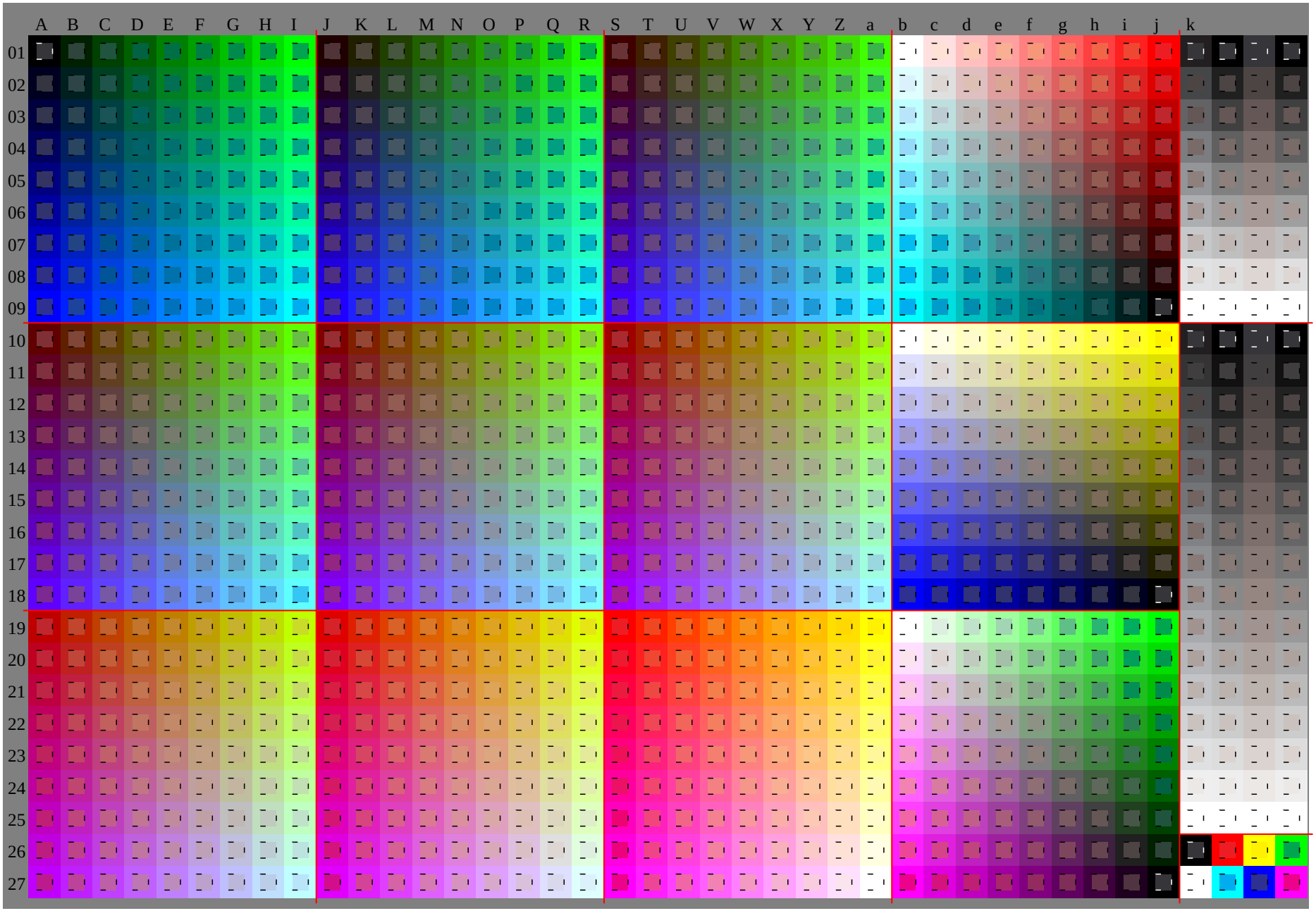
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

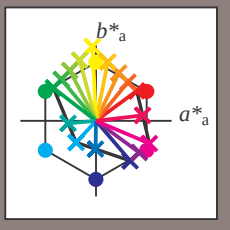




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

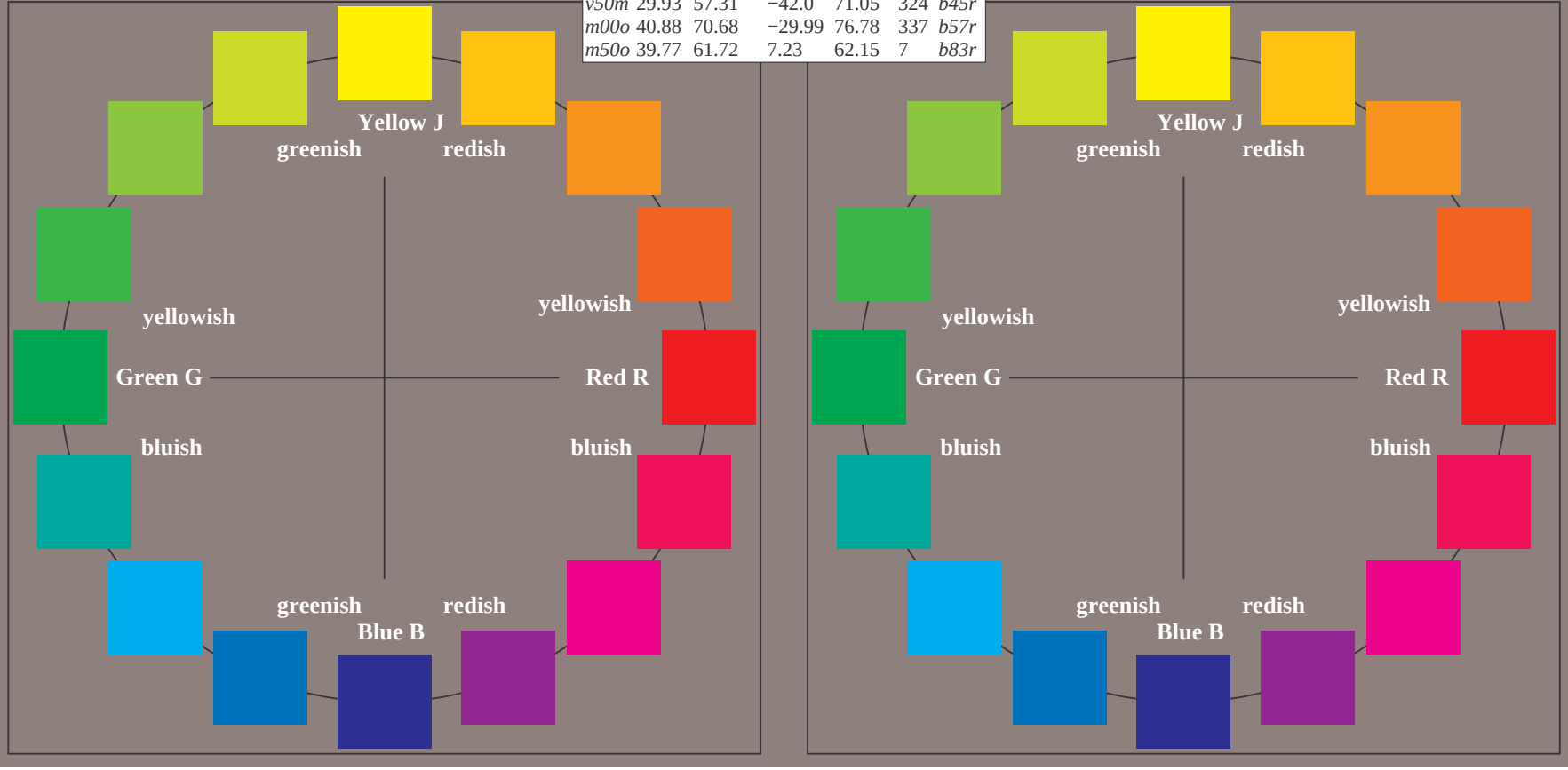
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

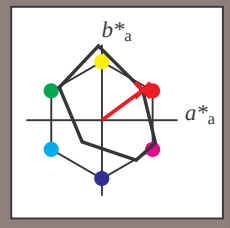
FRS09_92aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101** **u^*_d = *o00y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

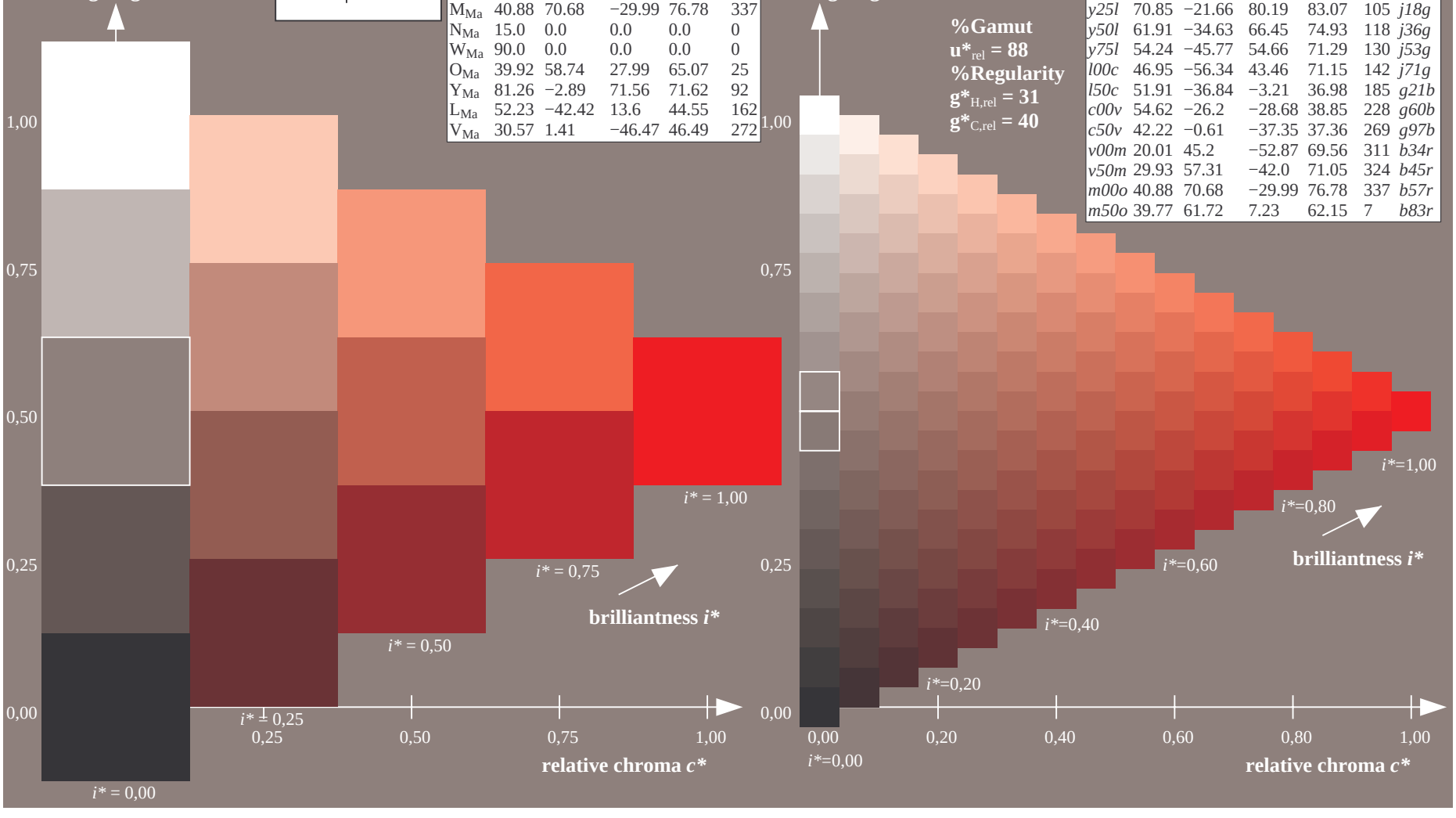
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 54 40**
LAB*LCH*$_{Ma}$**: 39 67 36**
lab*olv*$_{Ma}$**: 1.0 0.0 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.16 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

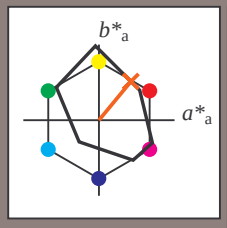
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14** **u^*_d = *o25y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

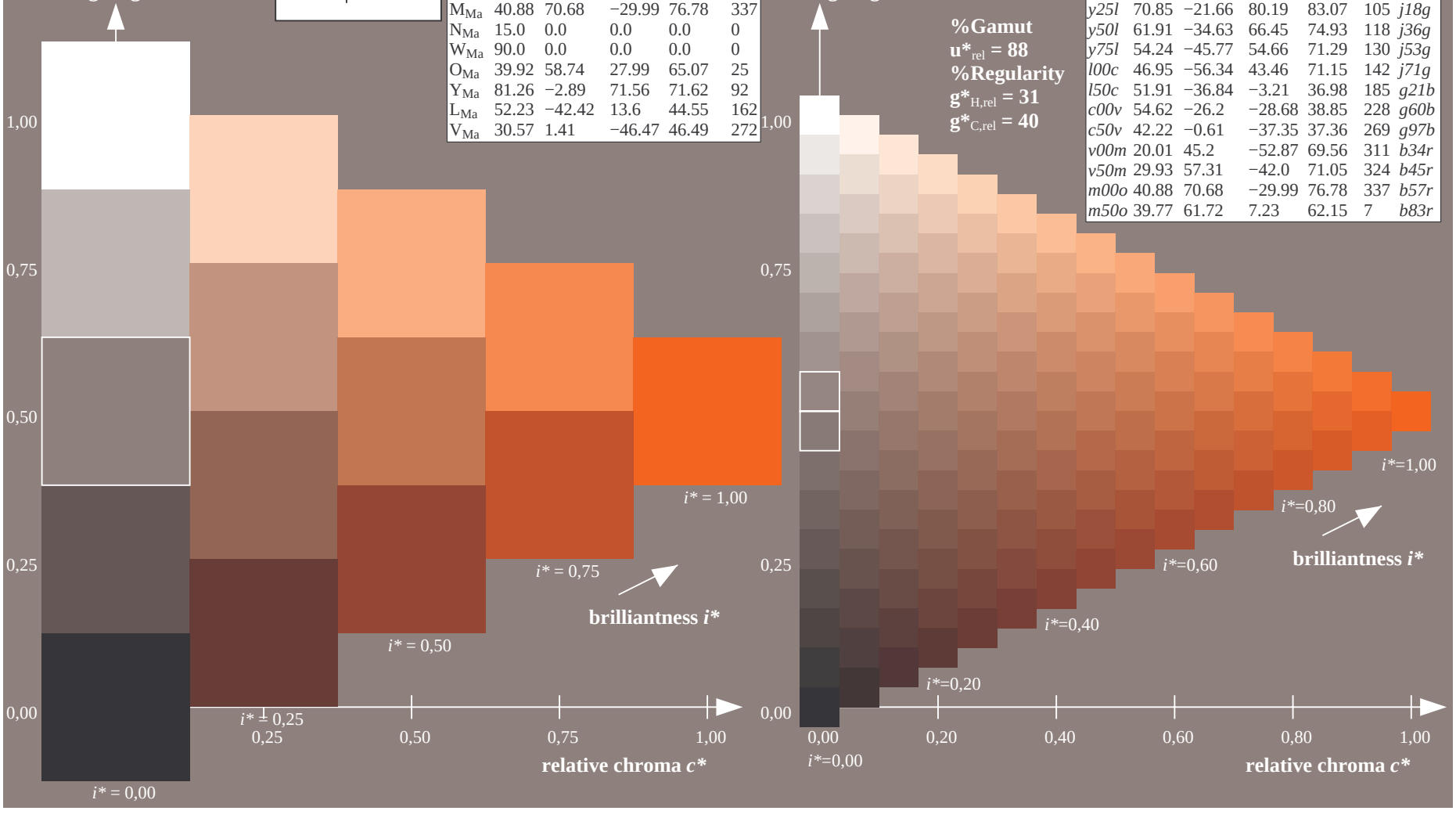
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 42 51**
LAB*LCH*$_{Ma}$**: 47 66 50**
lab*olv*$_{Ma}$**: 1.0 0.25 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.37 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

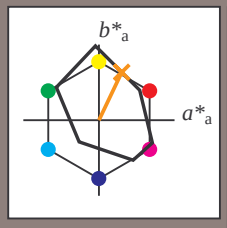
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179** **u^*_d = *o50y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

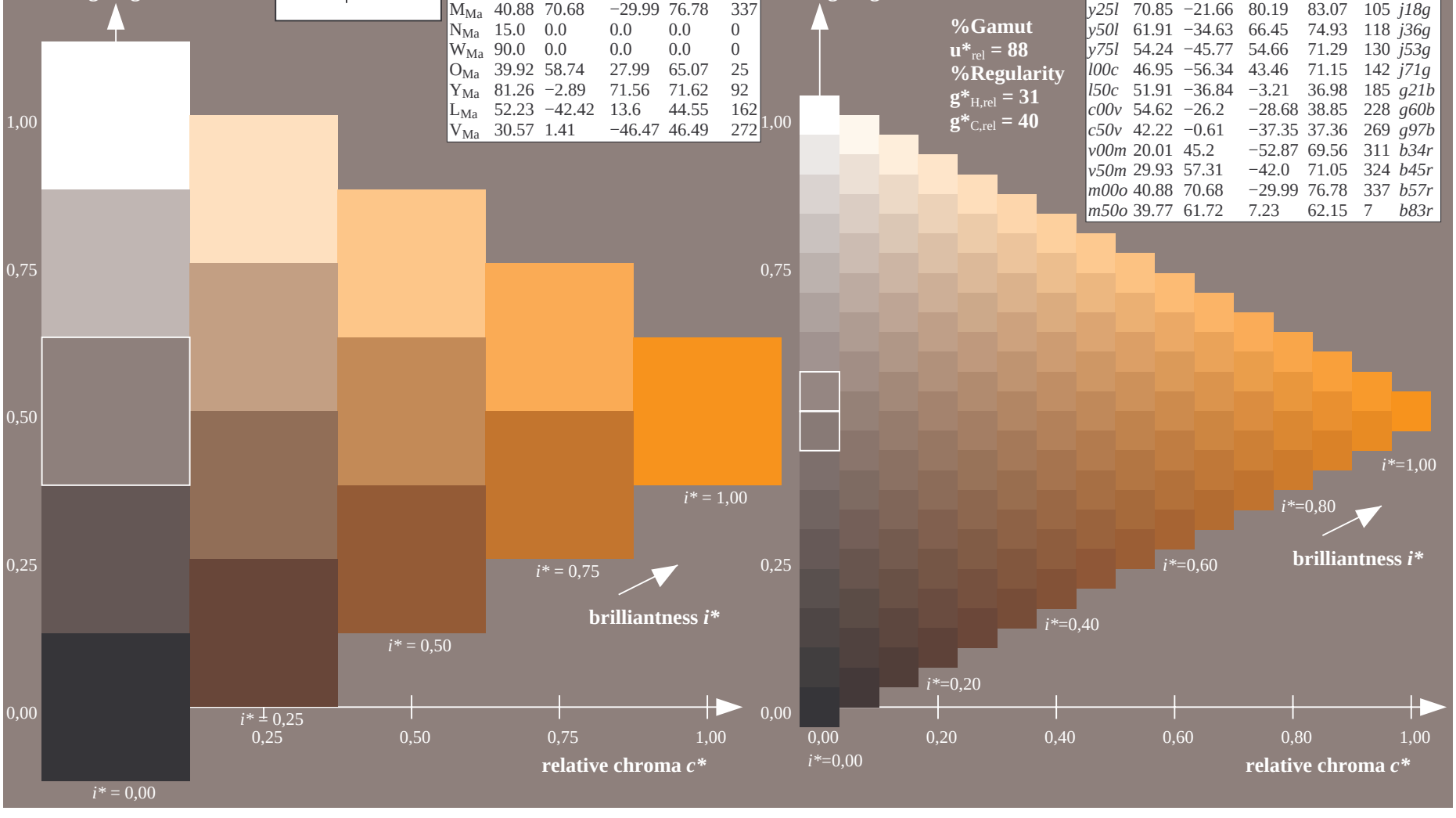
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 30 63**
LAB*LCH*$_{Ma}$**: 57 70 64**
lab*olv*$_{Ma}$**: 1.0 0.5 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.58 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

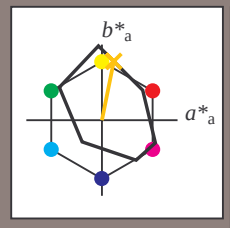
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218** **u^*_d = *o75y***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

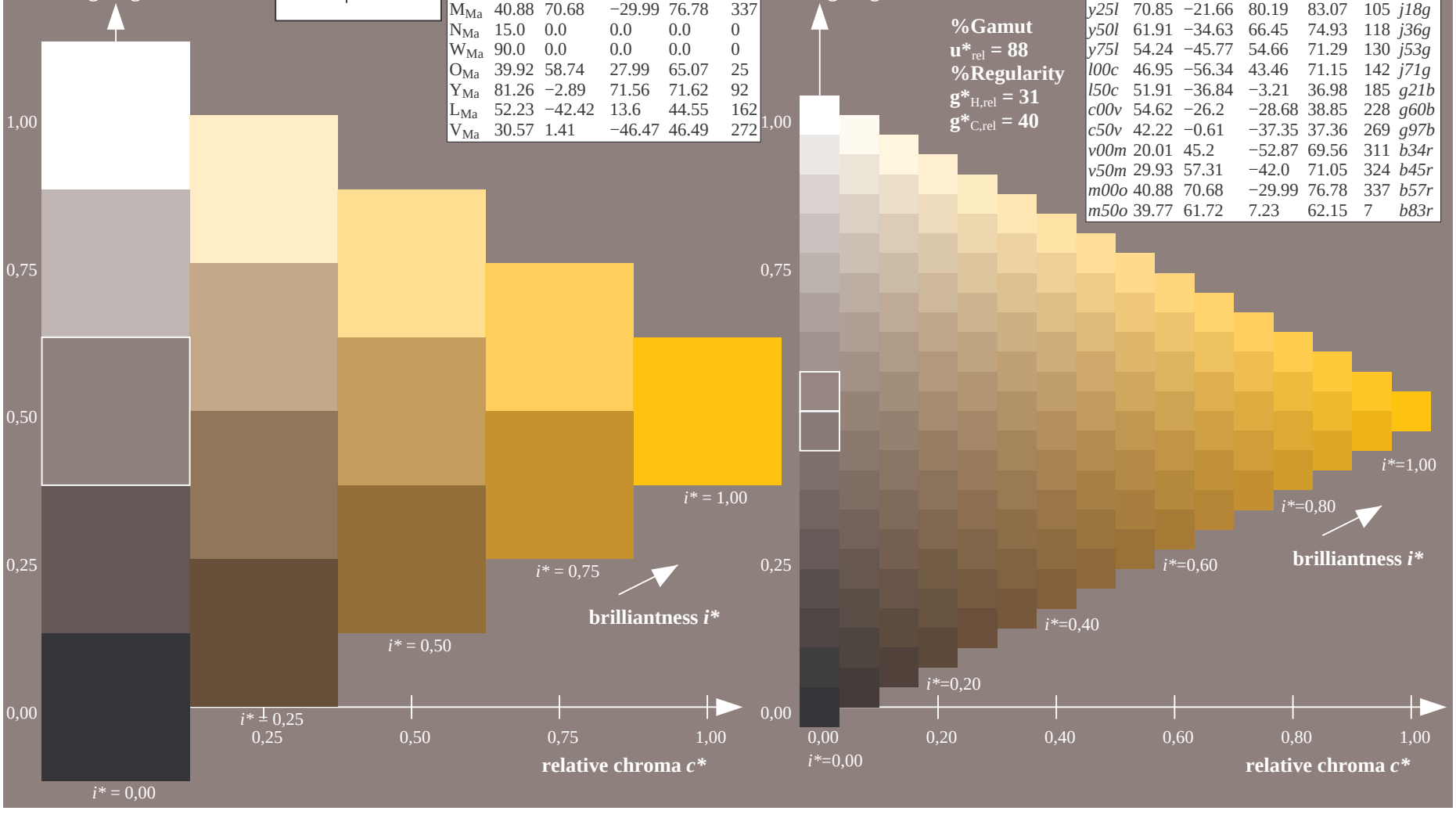
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

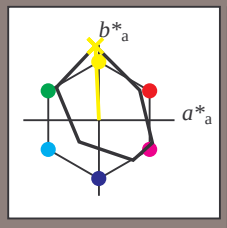
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

u*d = y00l

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = y00l ***u*e = j01g***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

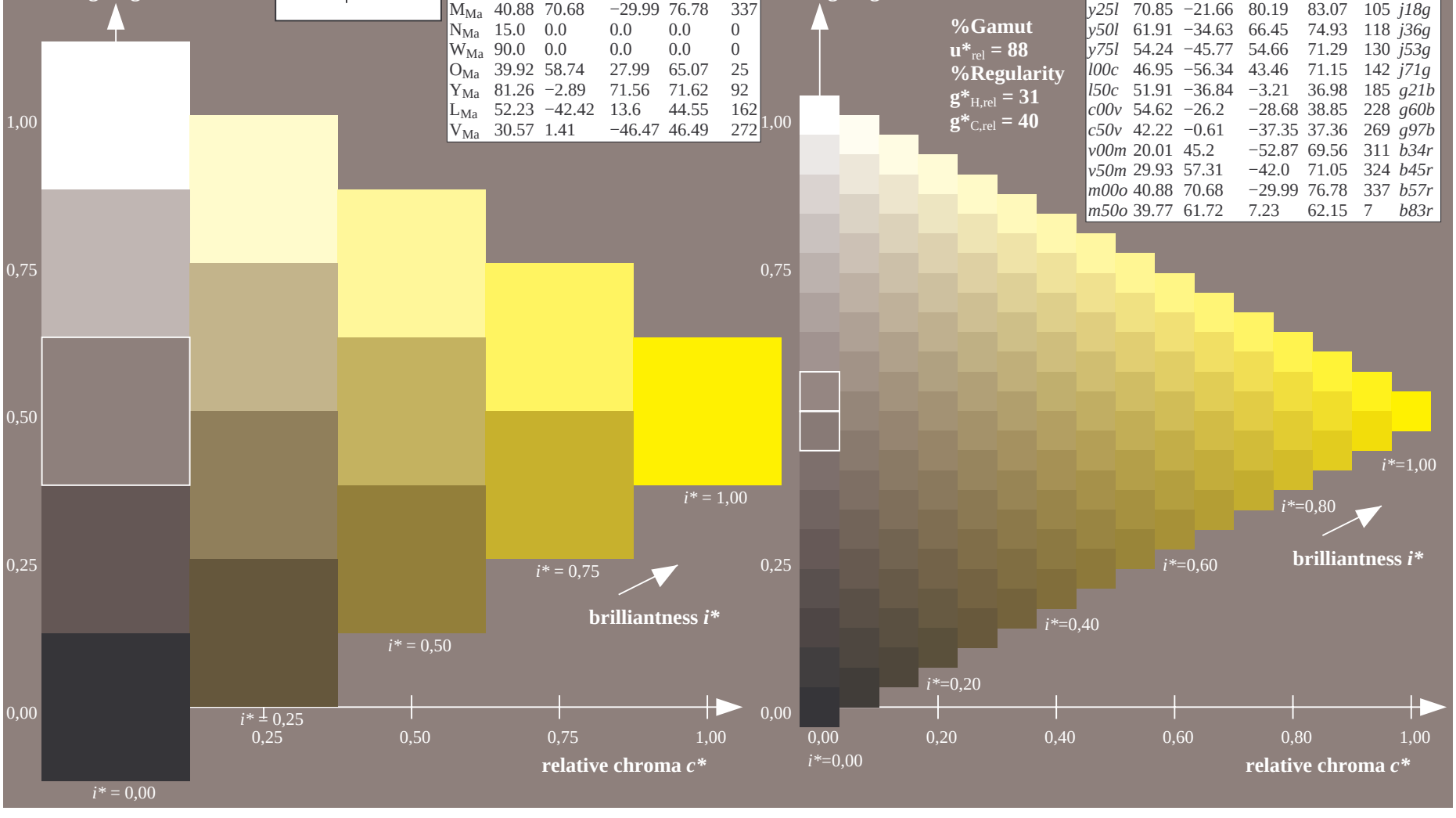
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −5 98**
LAB*LCH*$_{Ma}$**: 83 98 92**
lab*olv*$_{Ma}$**: 1.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.99 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

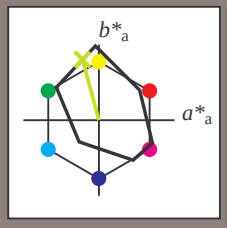
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292** **$u^*_d = y25l$**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

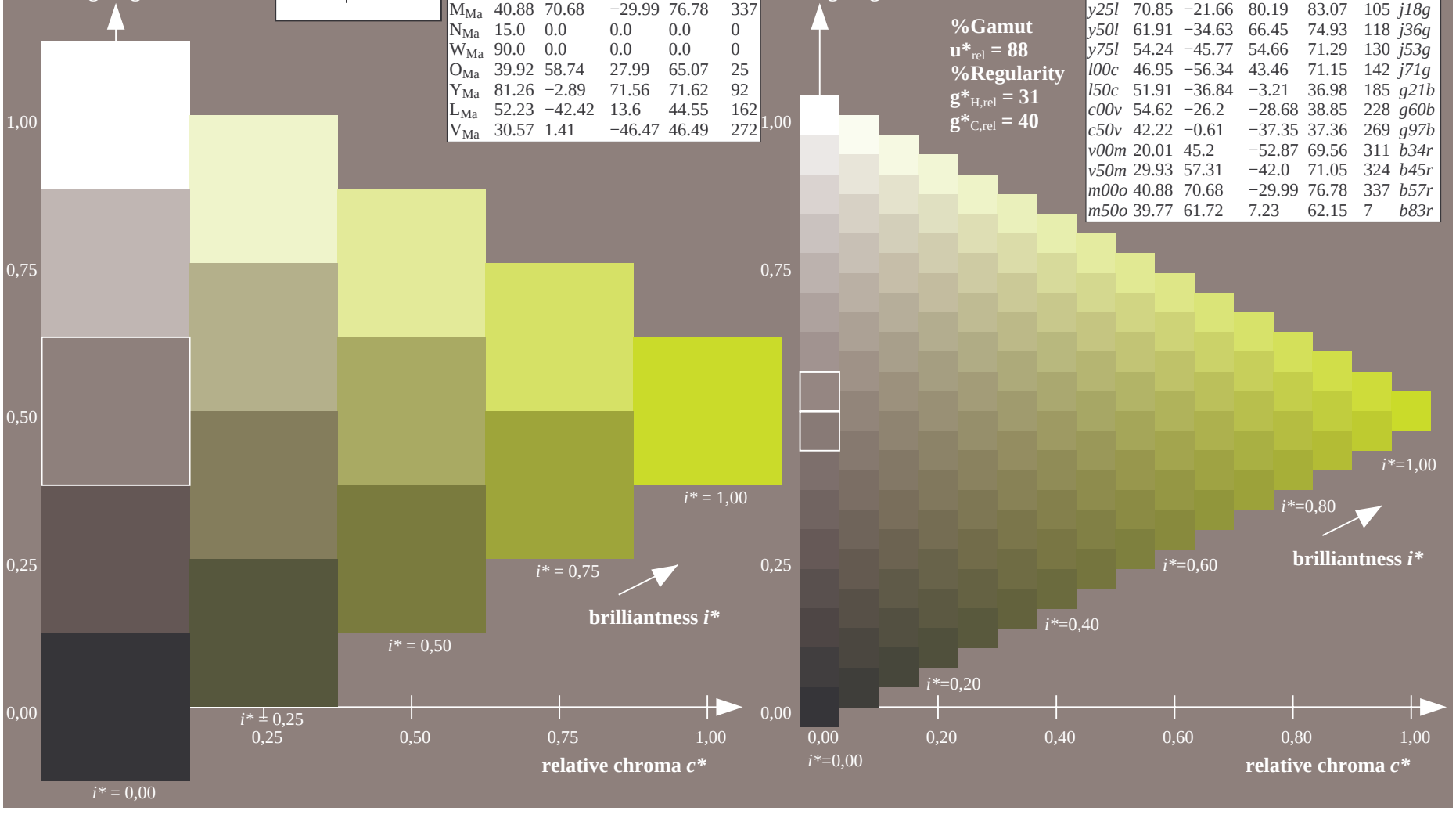
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −22 80**
LAB*LCH*$_{Ma}$**: 71 83 105**
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.82 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

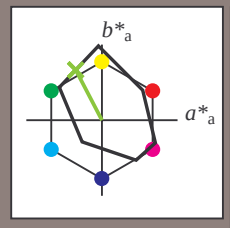
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

u*d = y50l

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = y50l ***u*e = j36g***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

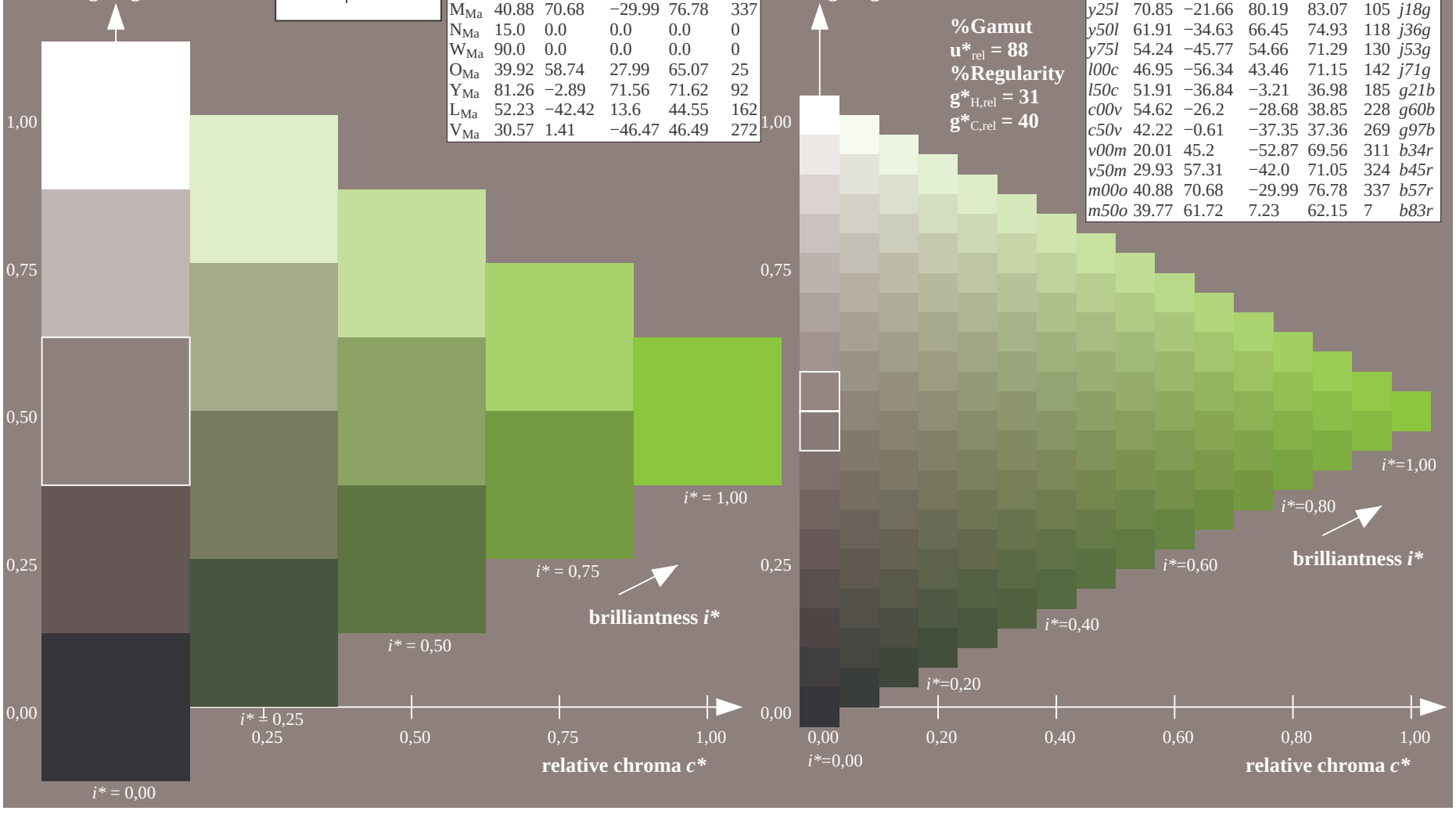
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −35 66**
***LAB*LCH**Ma*: 62 75 117**
***lab*olv**Ma*: 0.5 1.0 0.0**
***lab*rgb**Ma*: 0.64 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

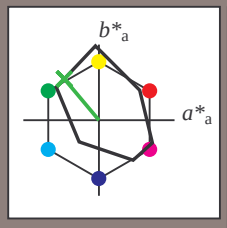
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361** — ***u*d = y75l***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = y75l ***u*e = j53g***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

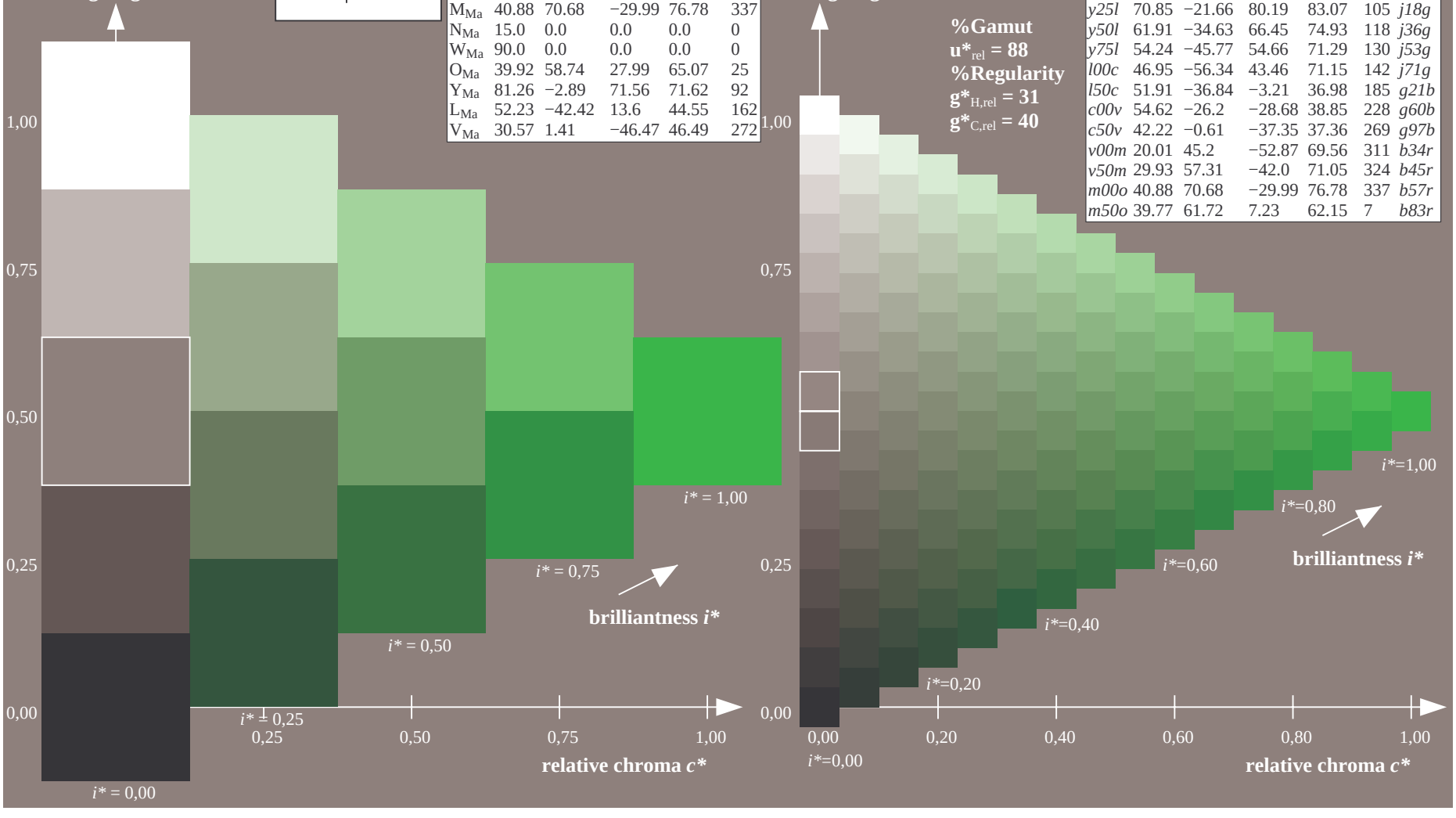
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 54 −46 55**
***LAB*LCH*Ma*: 54 71 129**
***lab*olv*Ma*: 0.25 1.0 0.0**
***lab*rgb*Ma*: 0.46 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

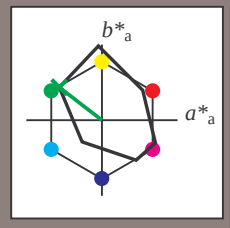
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395** **u^*_d = *l00c***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

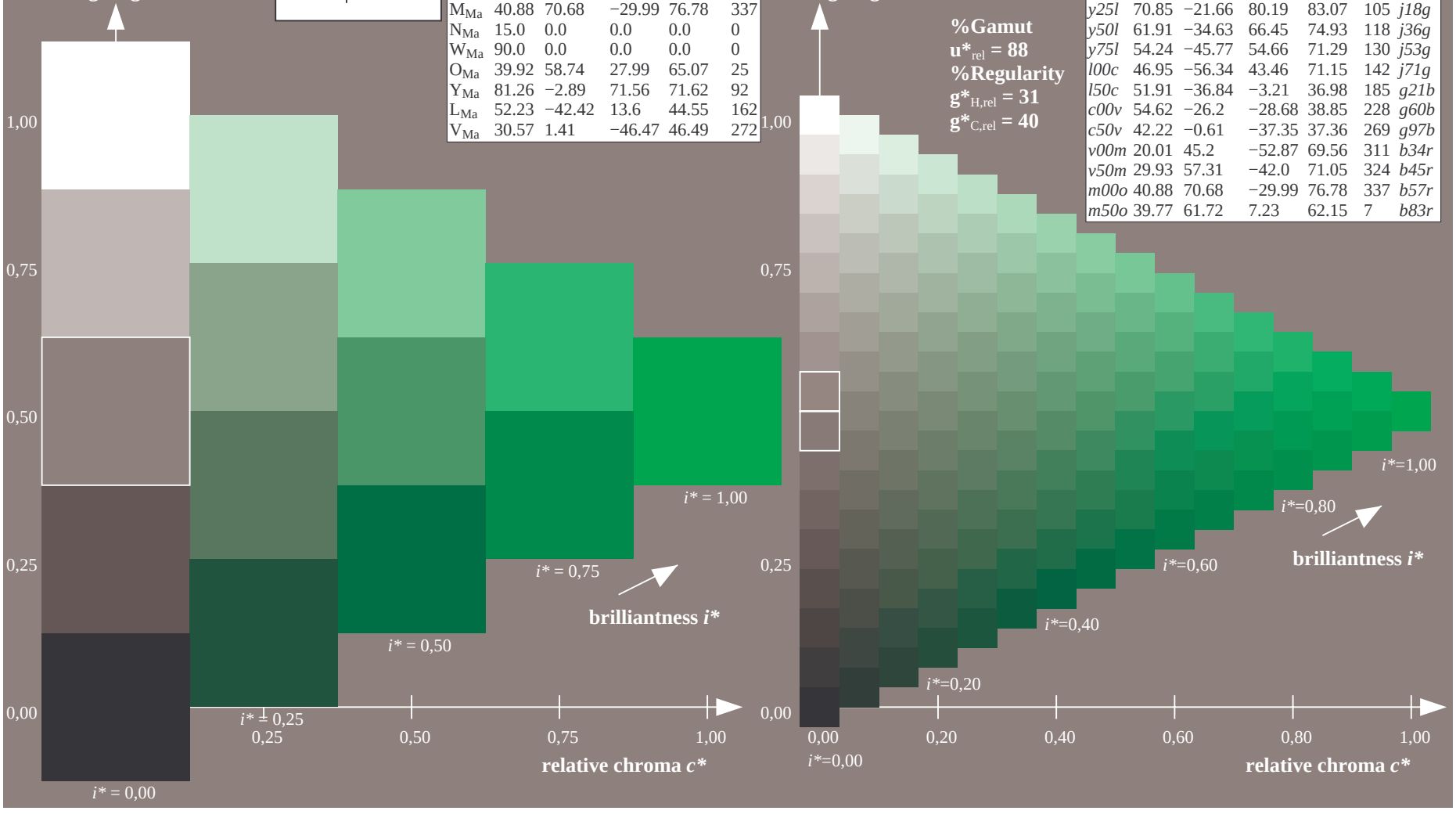
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −56 43**
LAB*LCH*$_{Ma}$**: 47 71 142**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.28 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

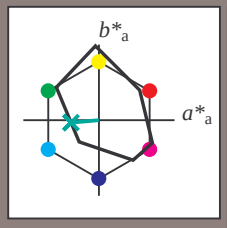
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

u*d = l50c

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = l50c ***u*e = g21b***
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

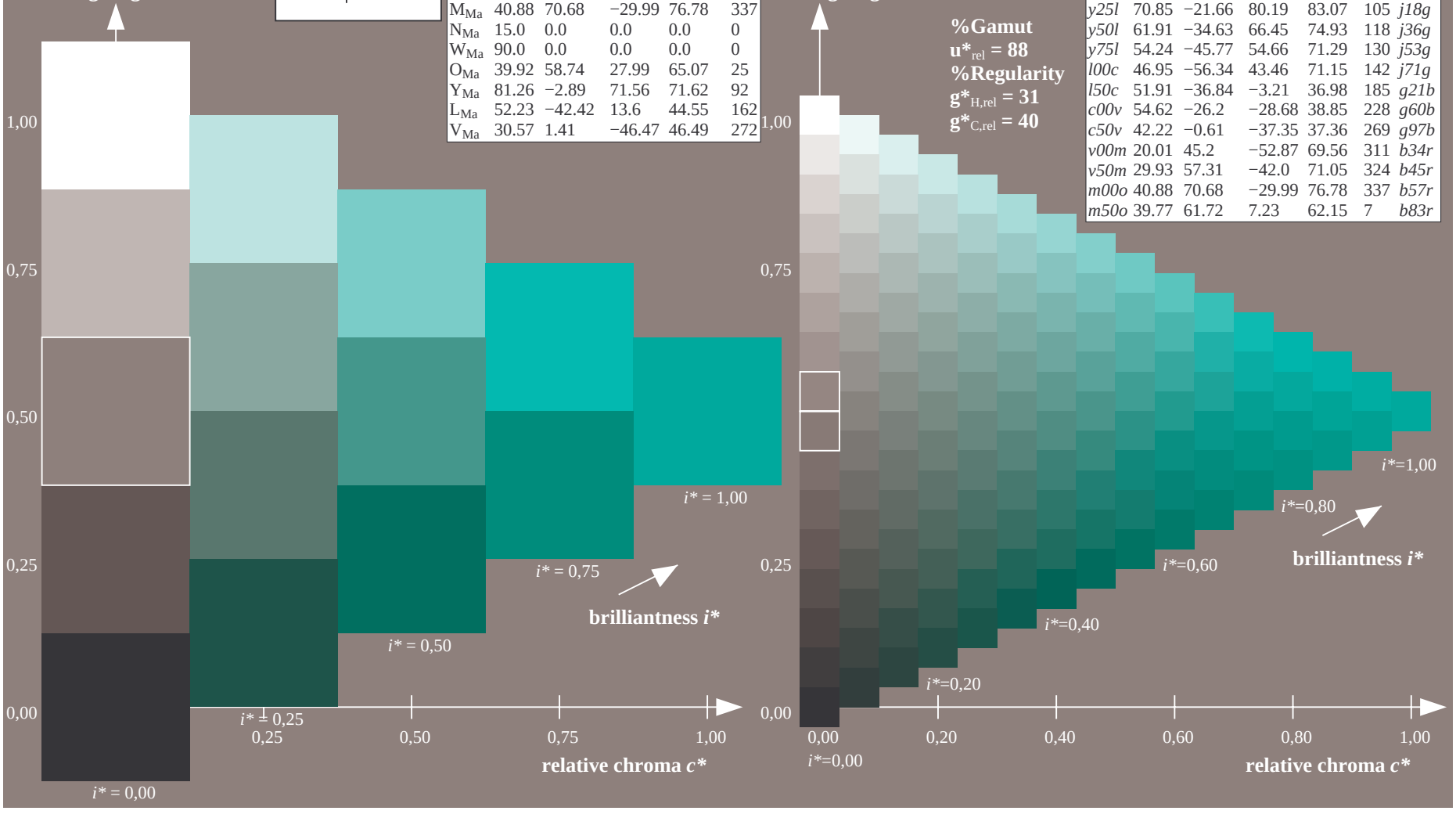
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

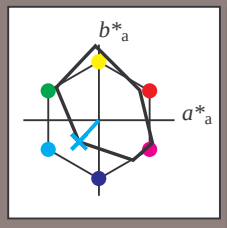
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632** **u^*_d = *c00v***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

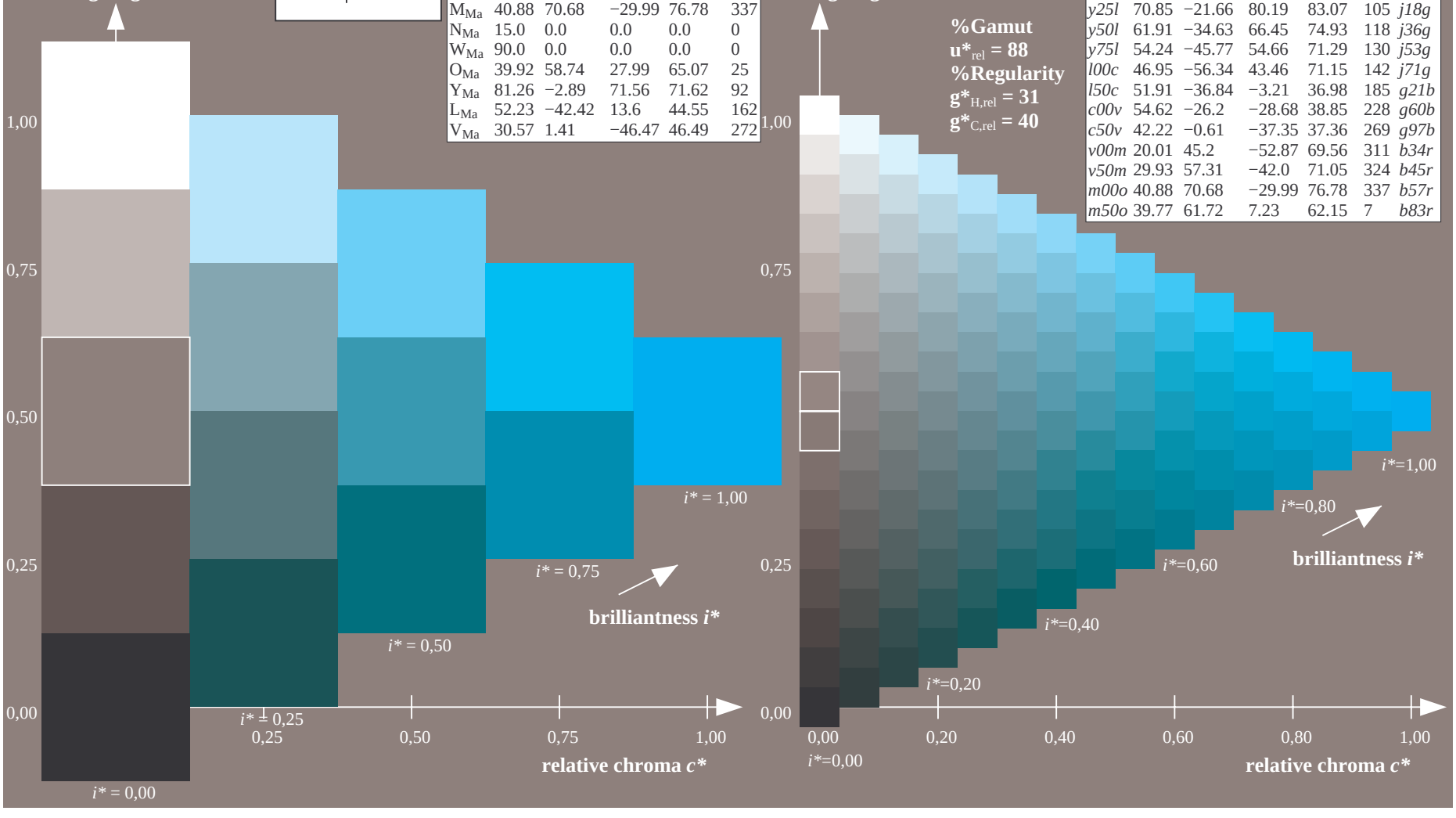
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −26 −29**
LAB*LCH*$_{Ma}$**: 55 39 227**
lab*olv*$_{Ma}$**: 0.0 1.0 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.81 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

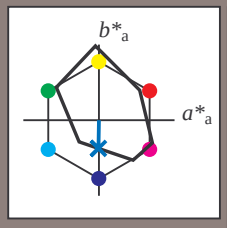
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747** **u^*_d = *c50v***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

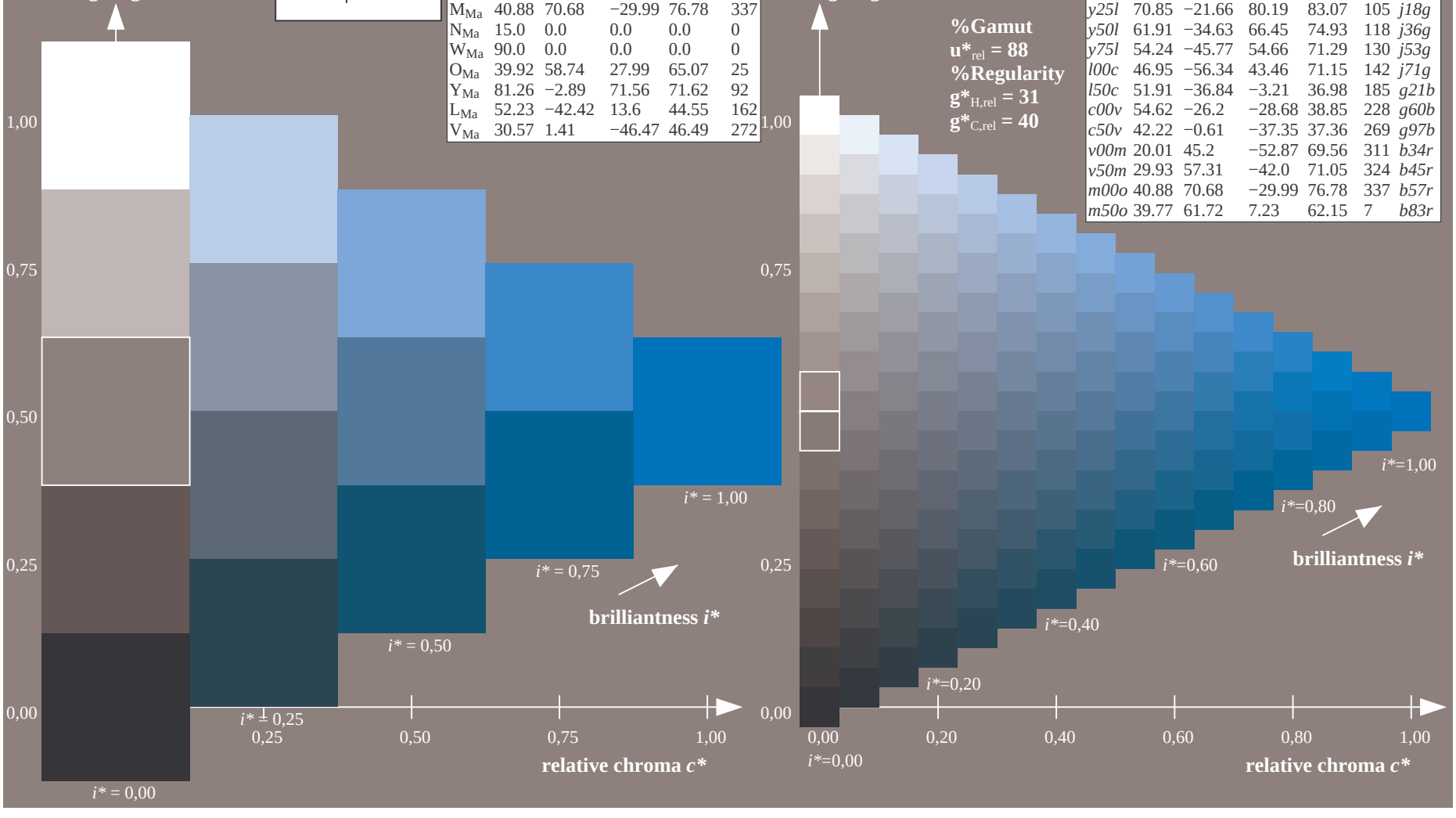
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 −1 −37**
LAB*LCH*$_{Ma}$**: 42 37 269**
lab*olv*$_{Ma}$**: 0.0 0.5 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.05 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

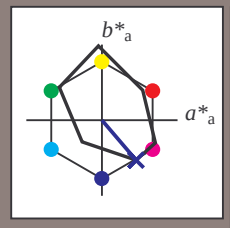
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863** ***u*d = v00m***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = v00m u*e = b34r
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

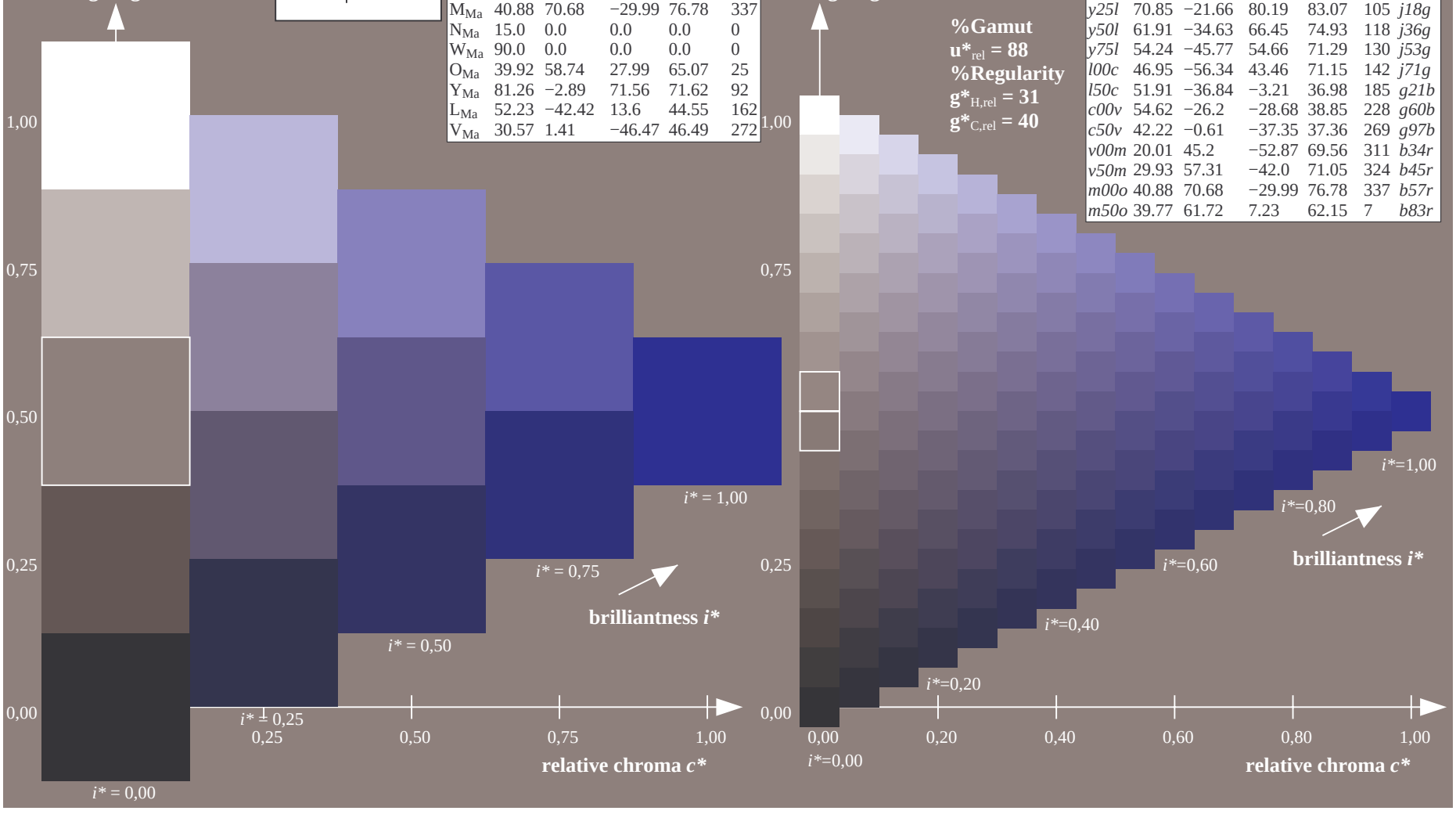
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 20 45 −53**
***LAB*LCH*Ma*: 20 70 310**
***lab*olv*Ma*: 0.0 0.0 1.0**
***lab*rgb*Ma*: 0.68 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

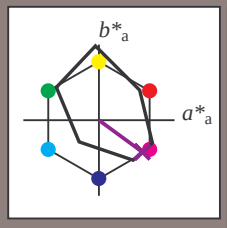
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899** ***u*d = v50m***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u*d = v50m u*e = b45r
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

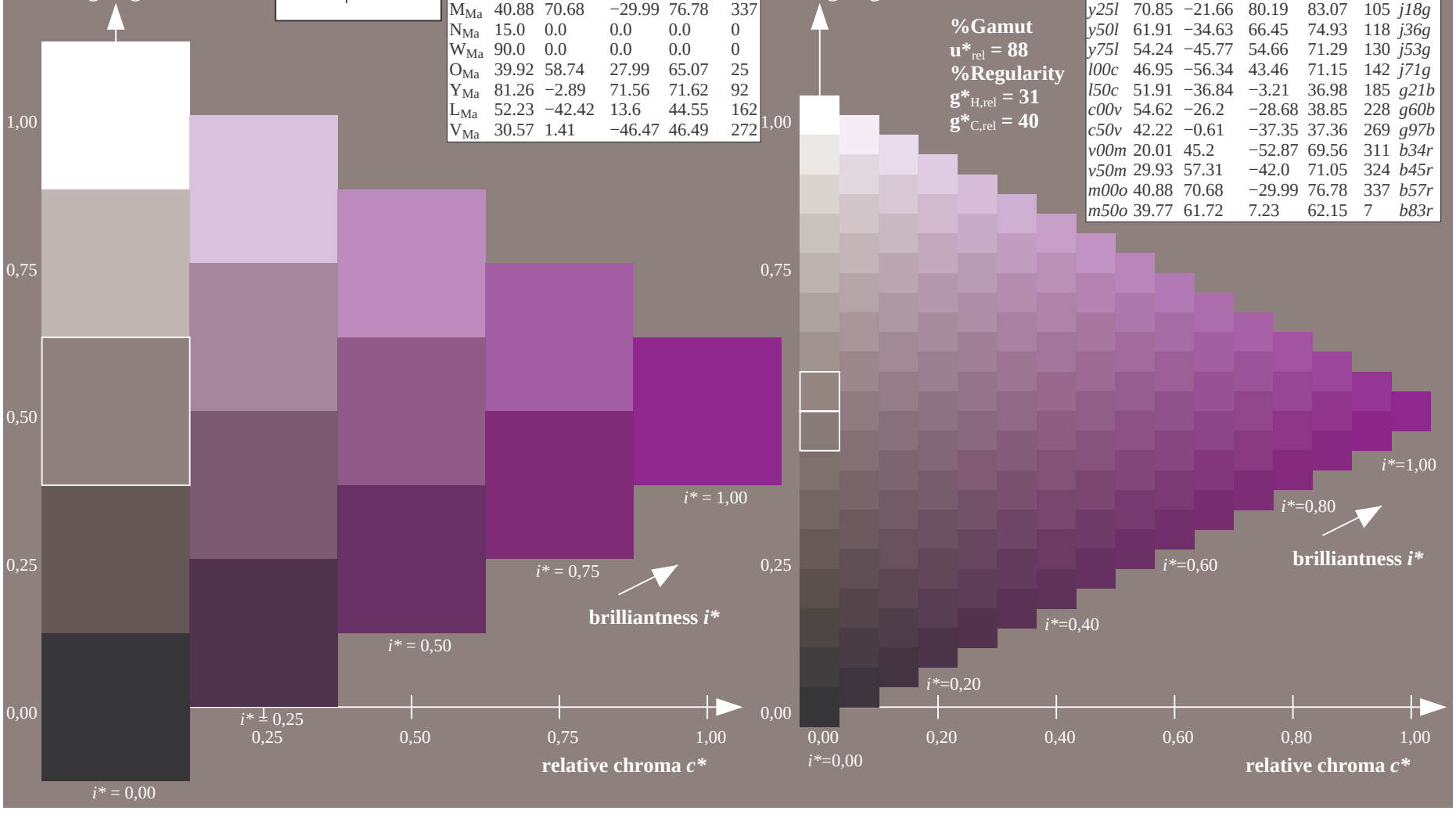
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**Ma*: 30 57 −42**
***LAB*LCH**Ma*: 30 71 323**
***lab*olv**Ma*: 0.5 0.0 1.0**
***lab*rgb**Ma*: 0.91 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

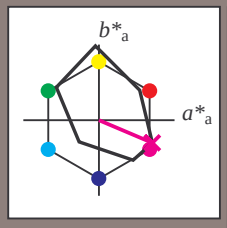
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936** **u^*_d = *m00o***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

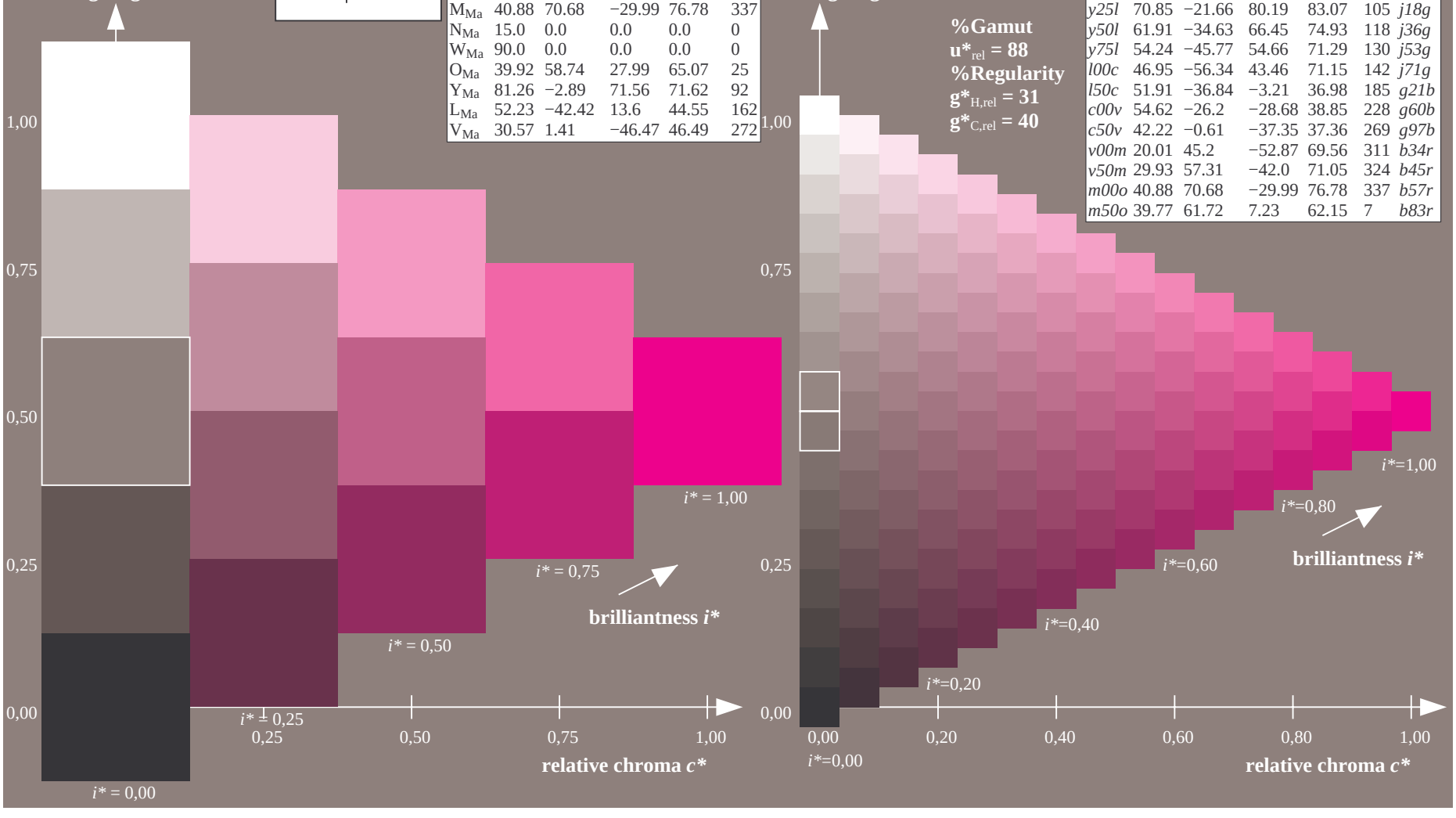
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 41 71 −30**
LAB*LCH*$_{Ma}$**: 41 77 337**
lab*olv*$_{Ma}$**: 1.0 0.0 1.0**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.85**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

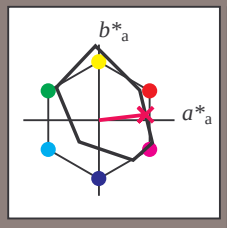
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019** **u^*_d = *m50o***

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

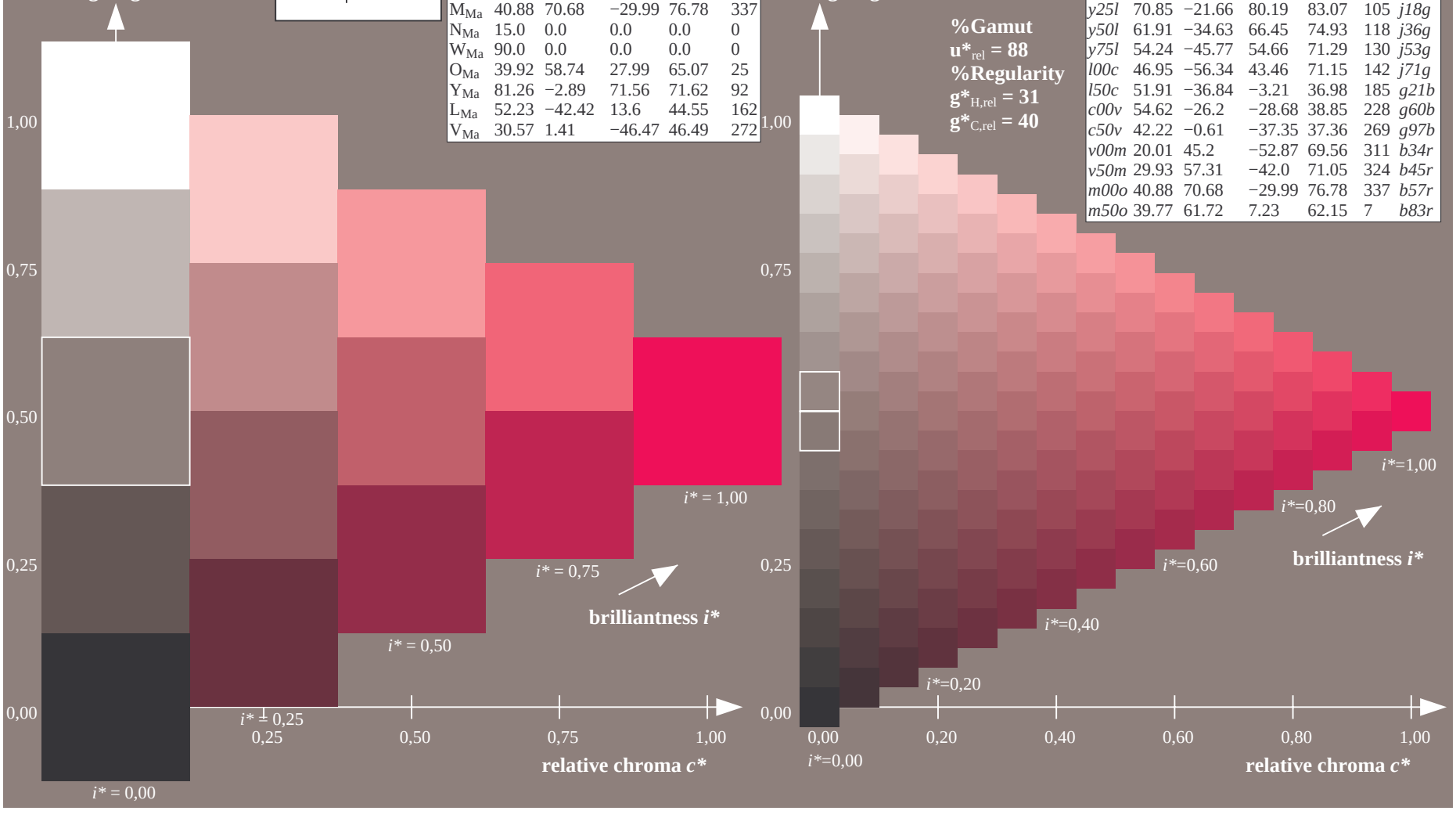
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

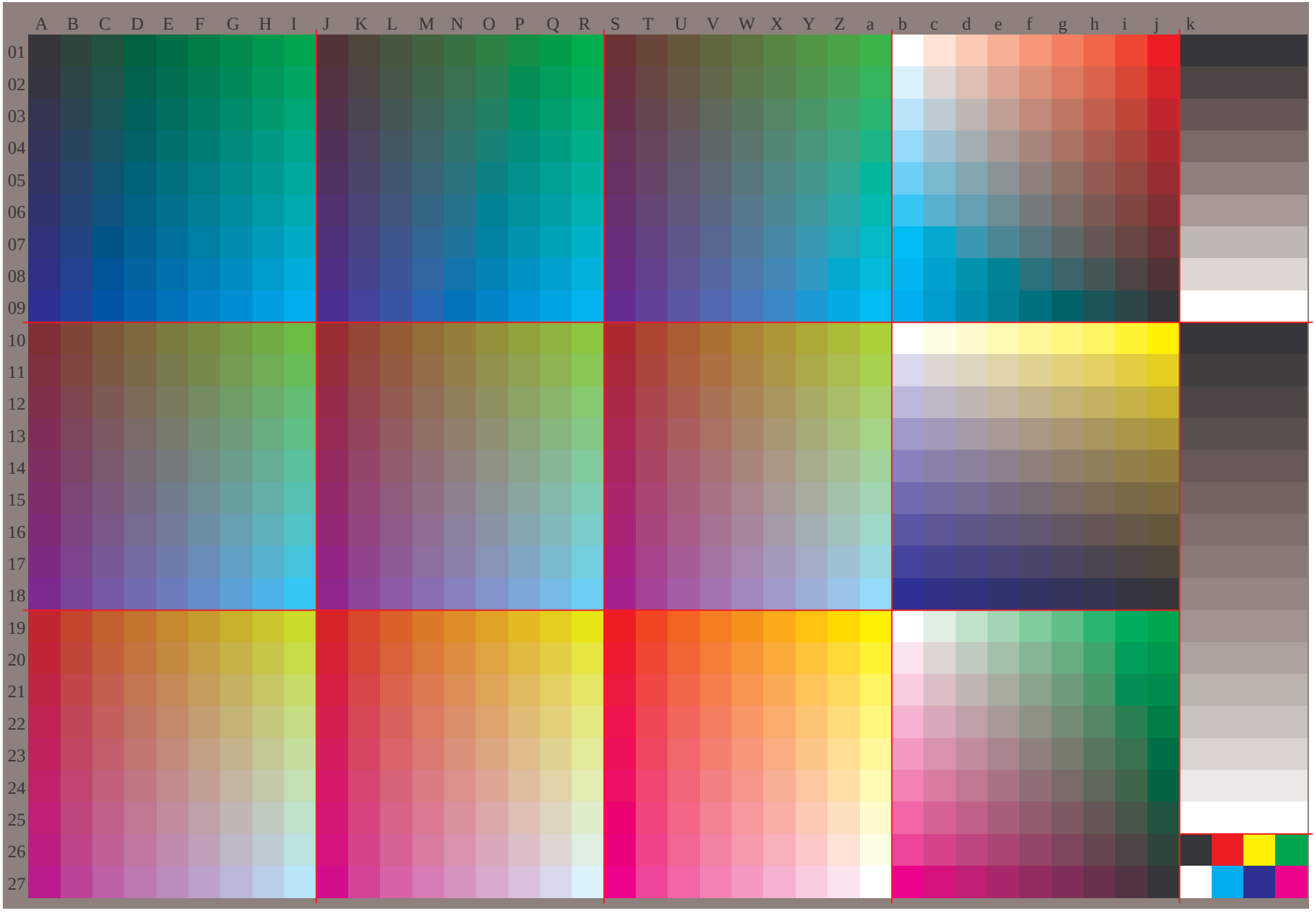
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

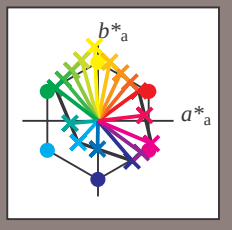




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

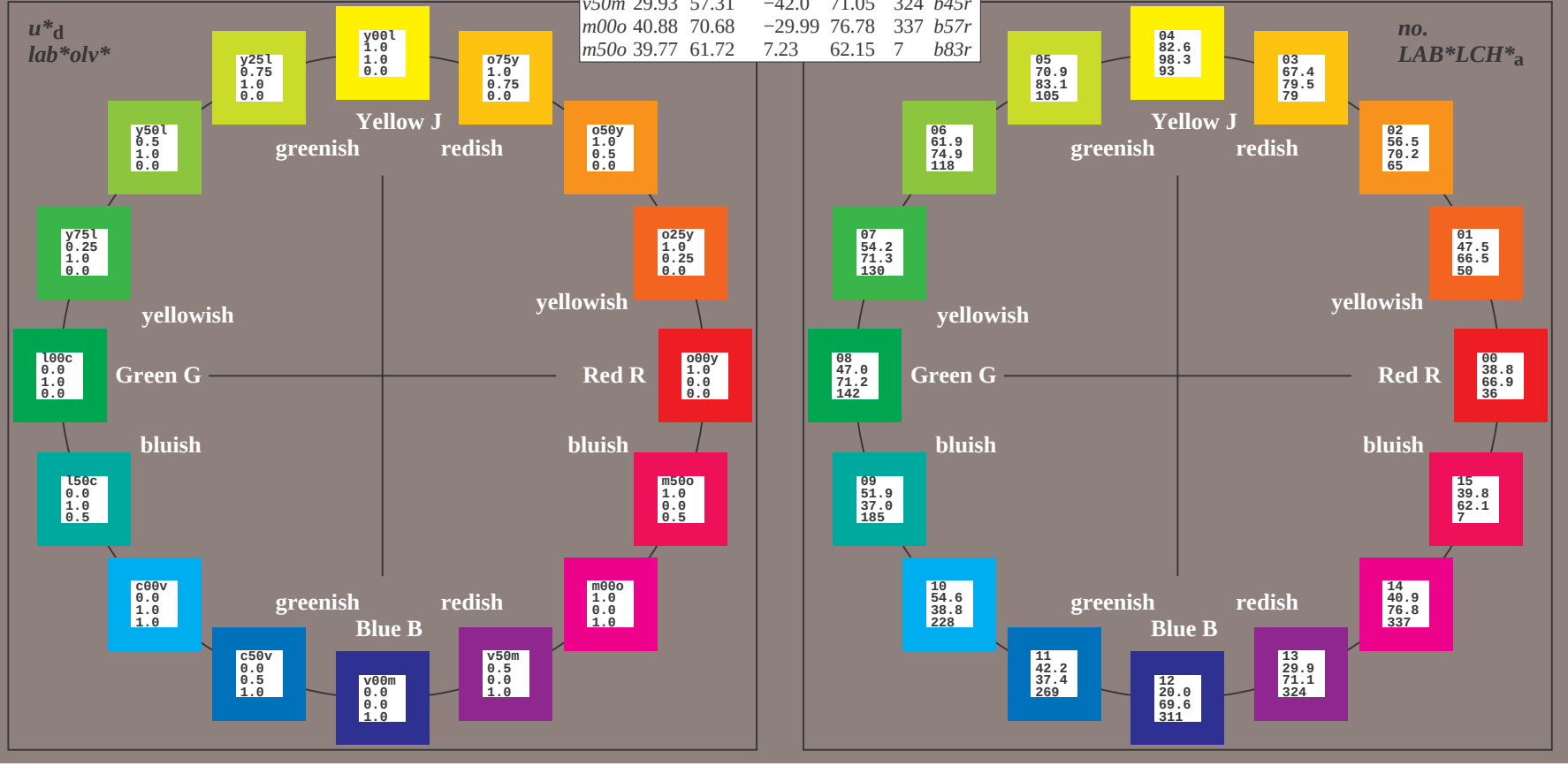
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

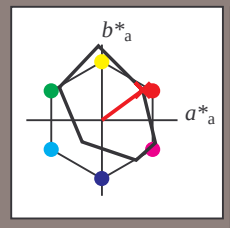
FRS09_92aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

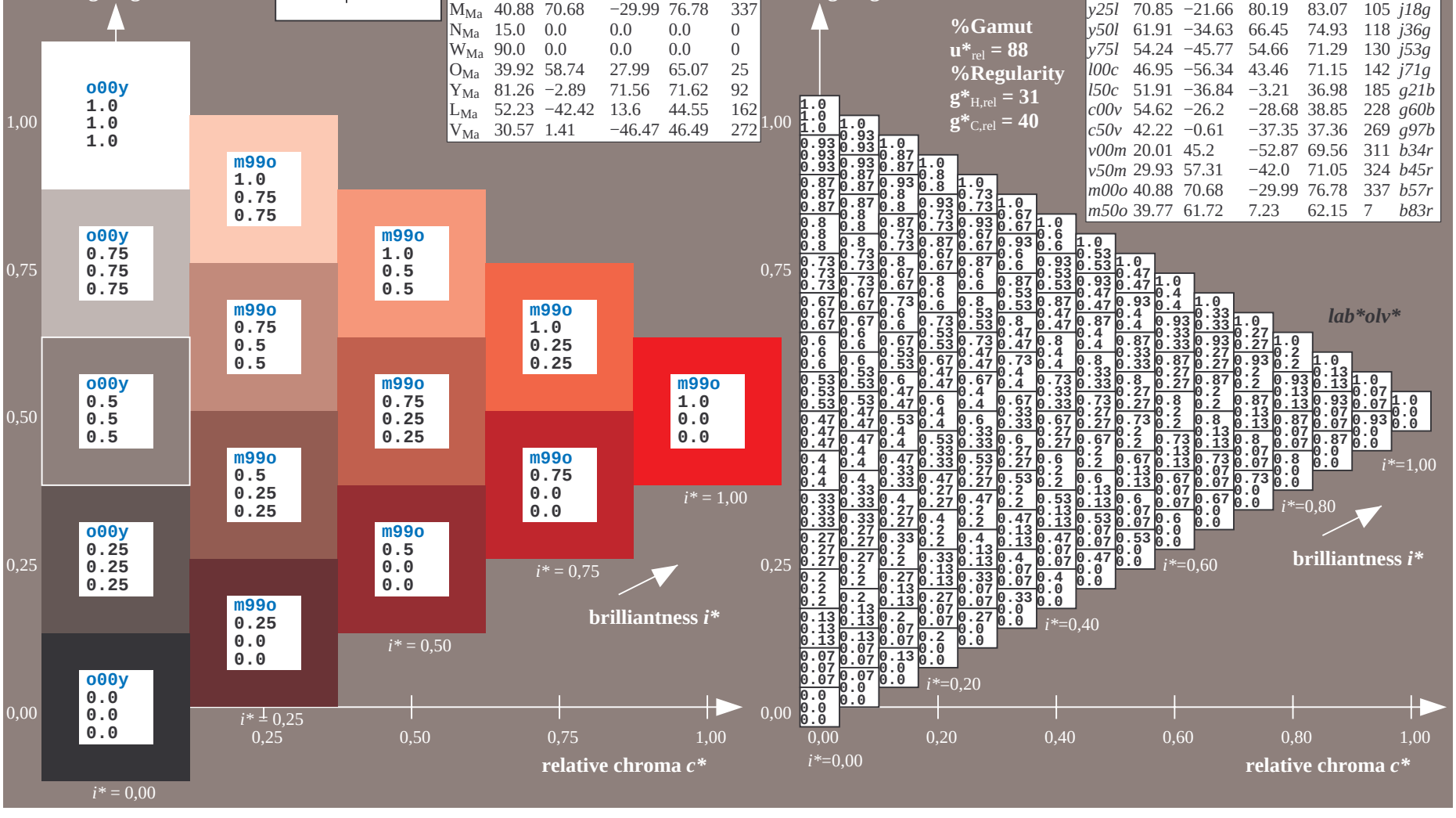
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*lab*olv**

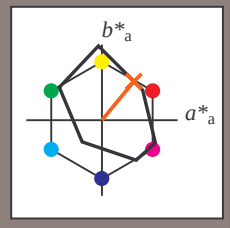
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

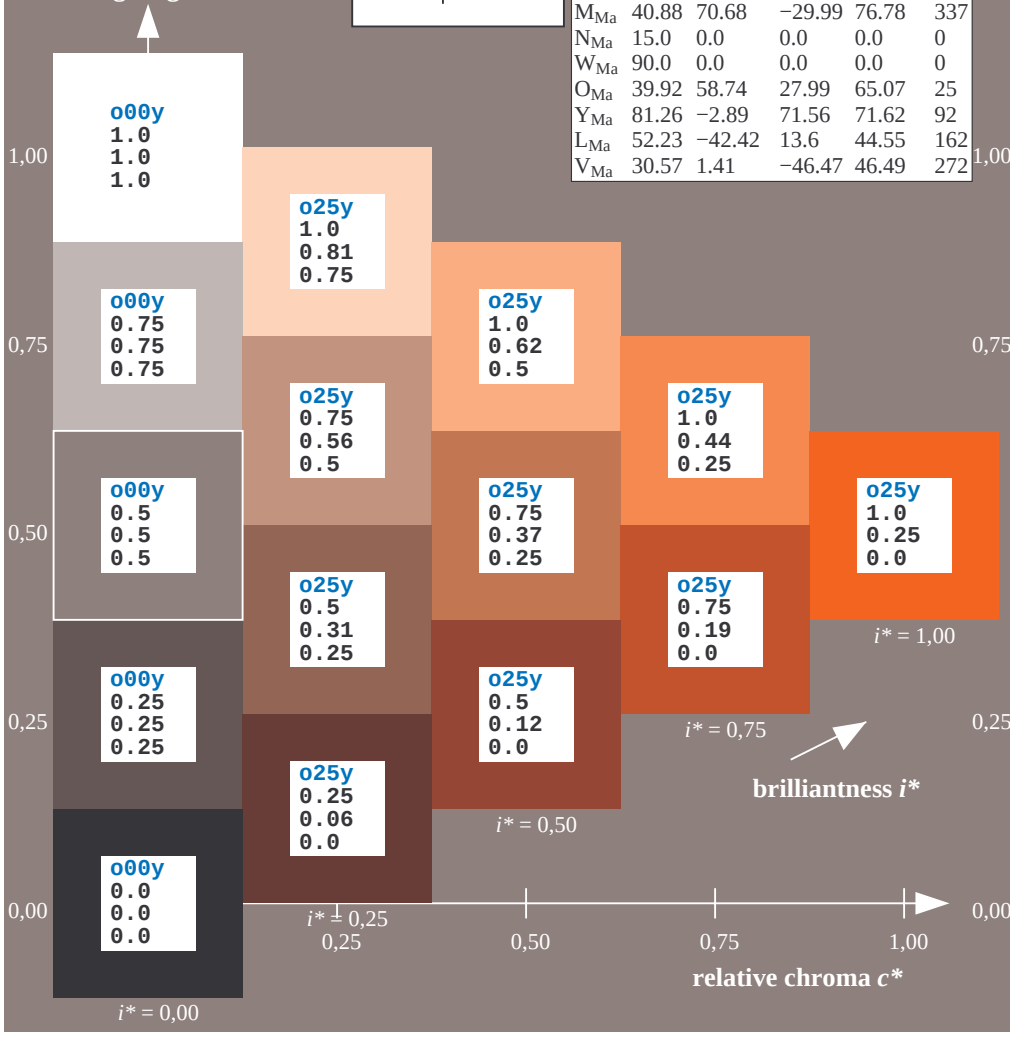
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

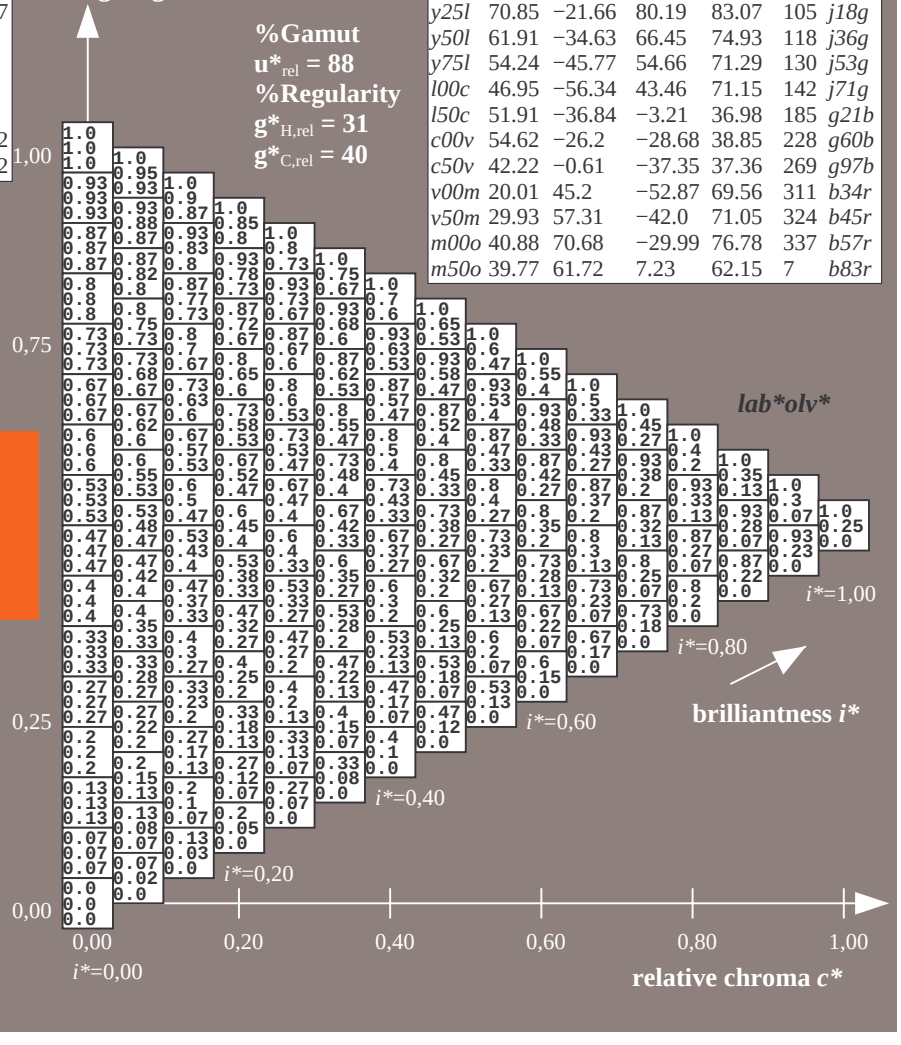
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

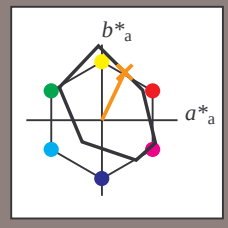
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

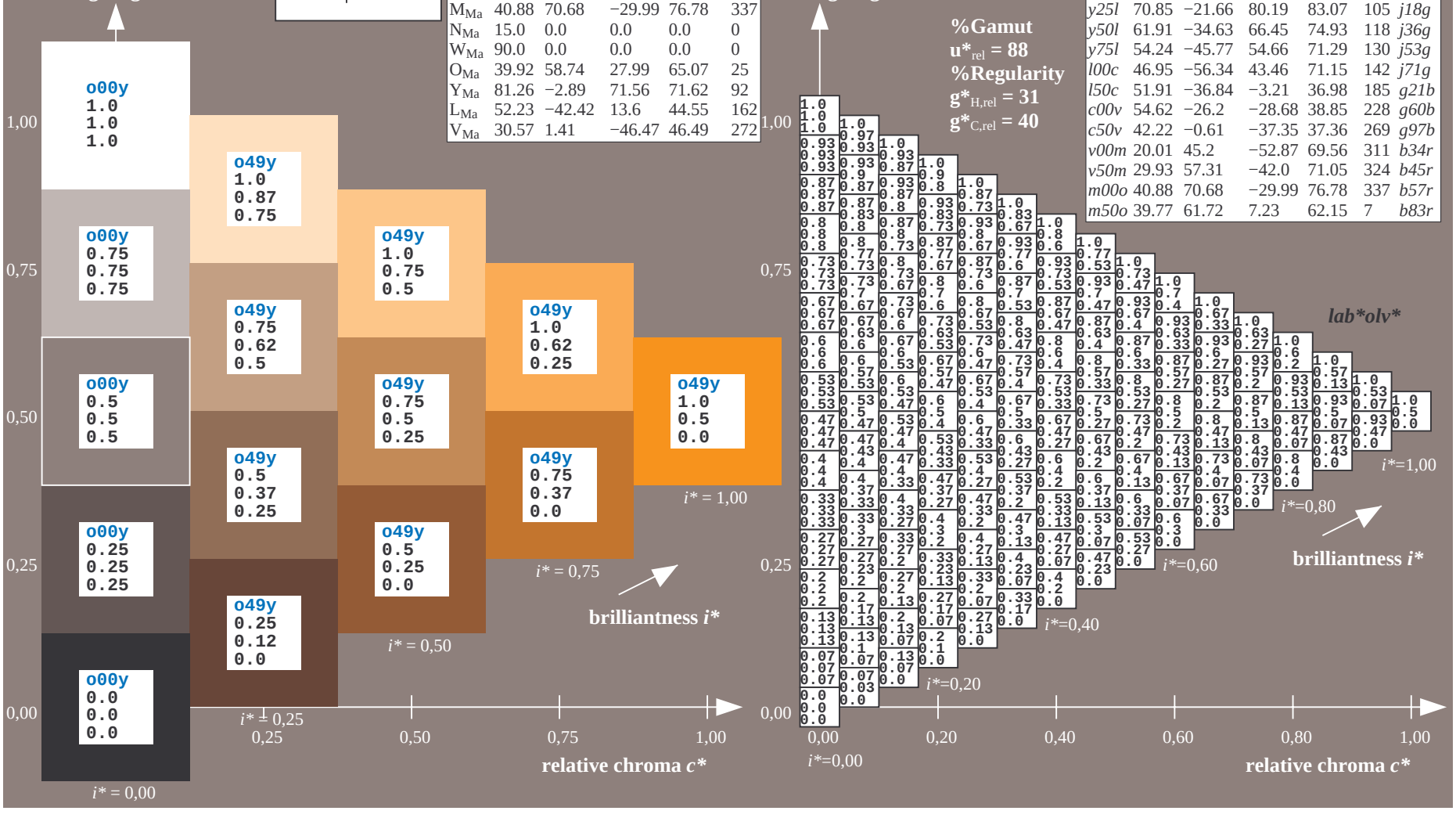
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
*lab*olv**

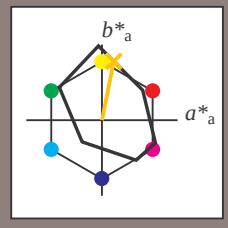
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

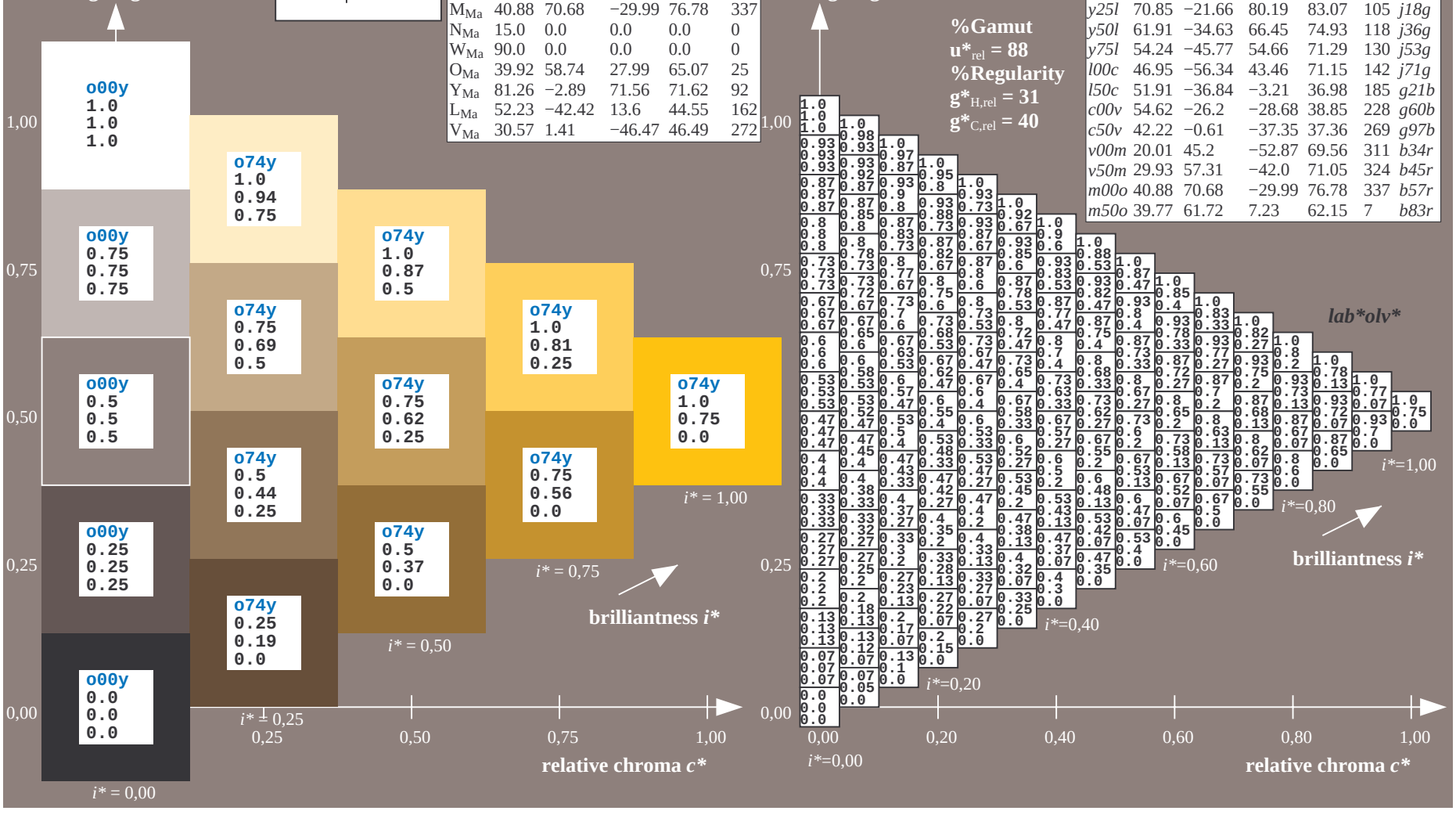
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 16 78
*LAB*LCH**$_{Ma}$: 67 79 78
*lab*olv**$_{Ma}$: 1.0 0.75 0.0
*lab*rgb**$_{Ma}$: 1.0 0.8 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

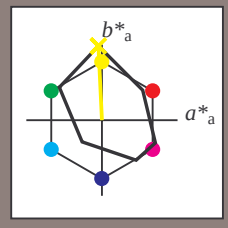
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

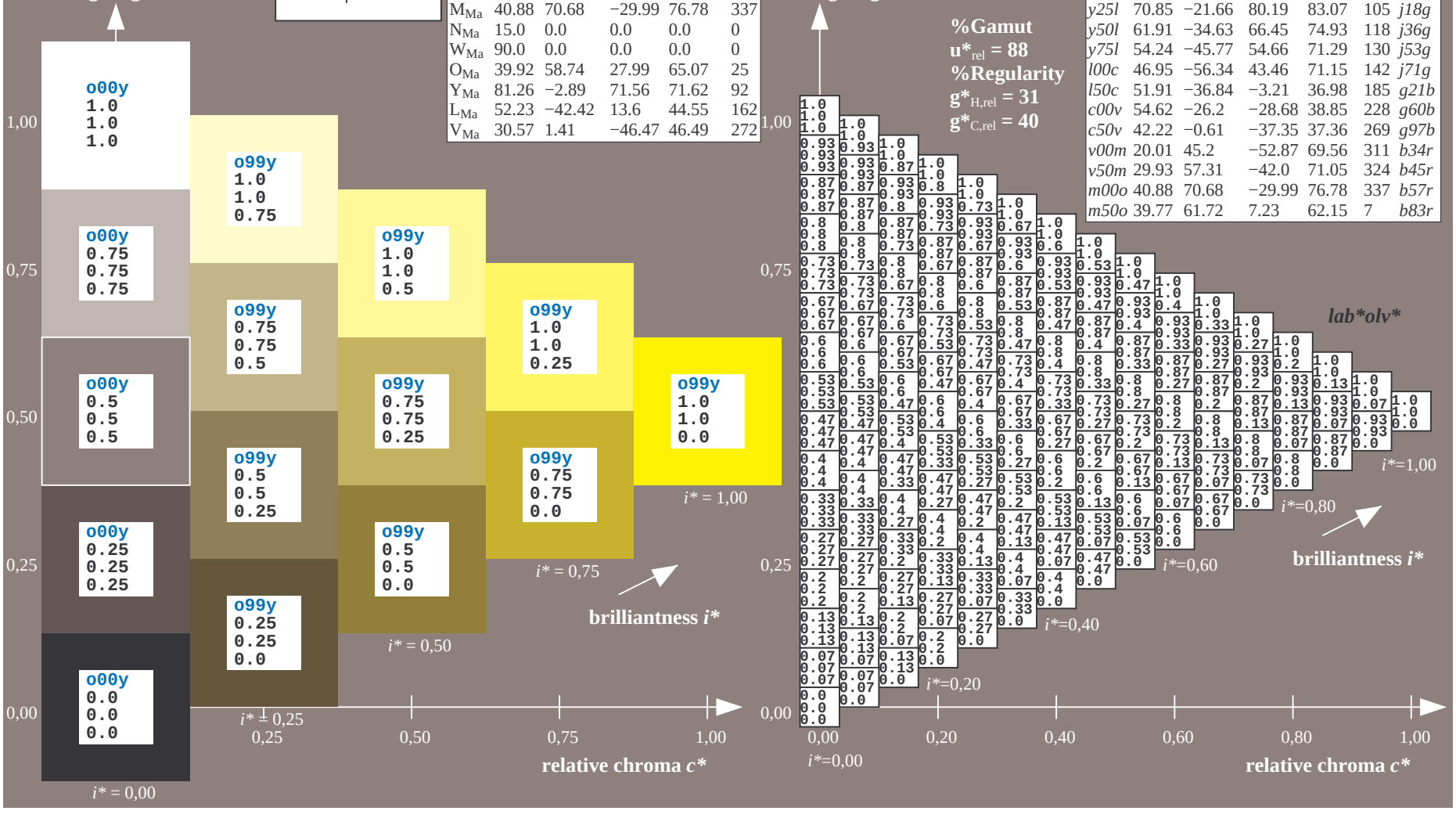
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
*lab*olv**

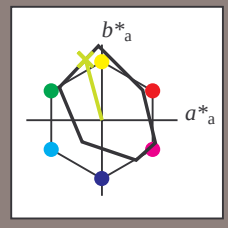
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

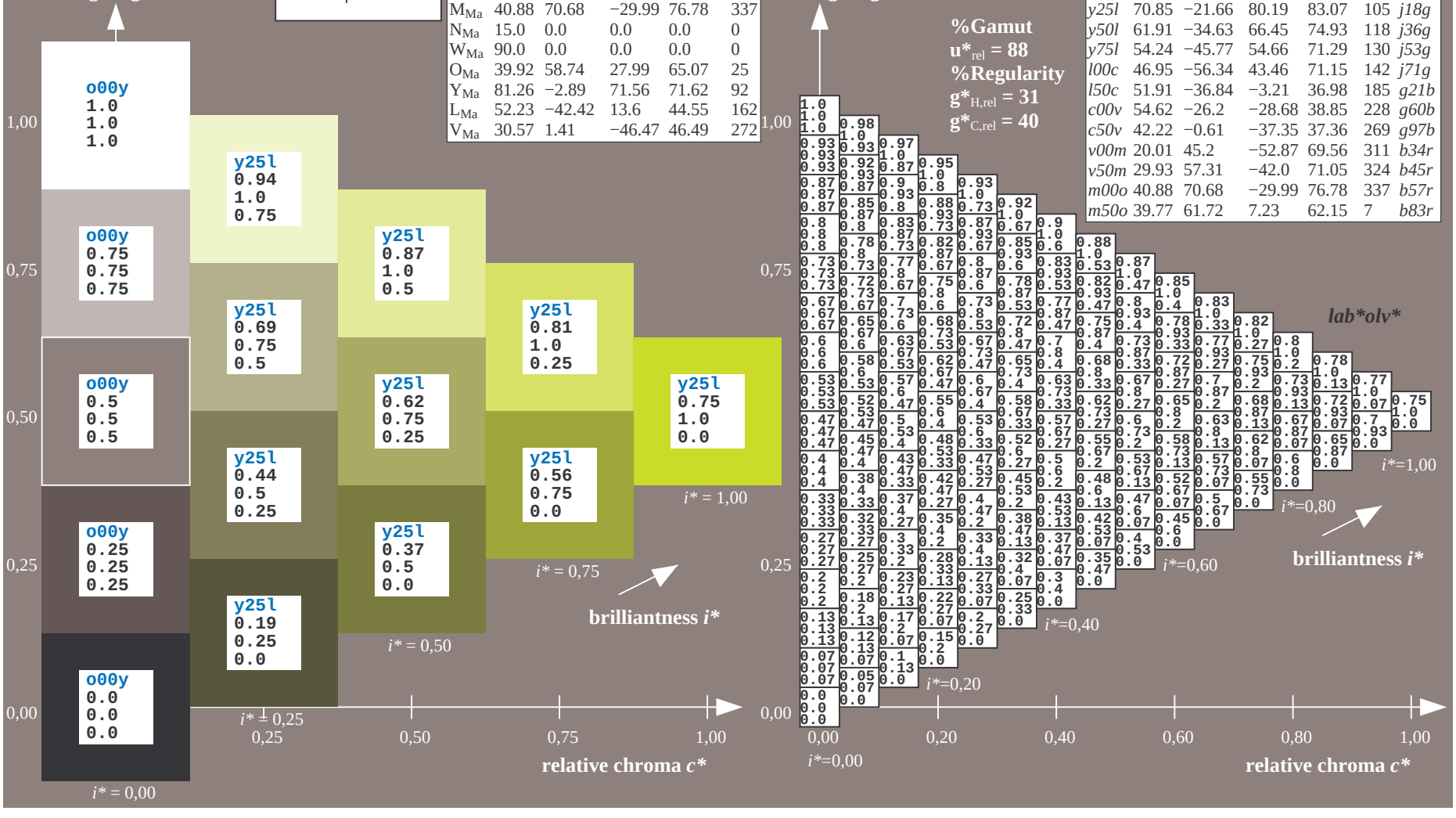
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

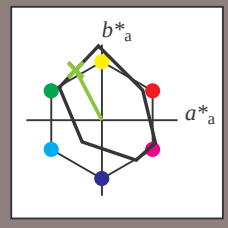
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

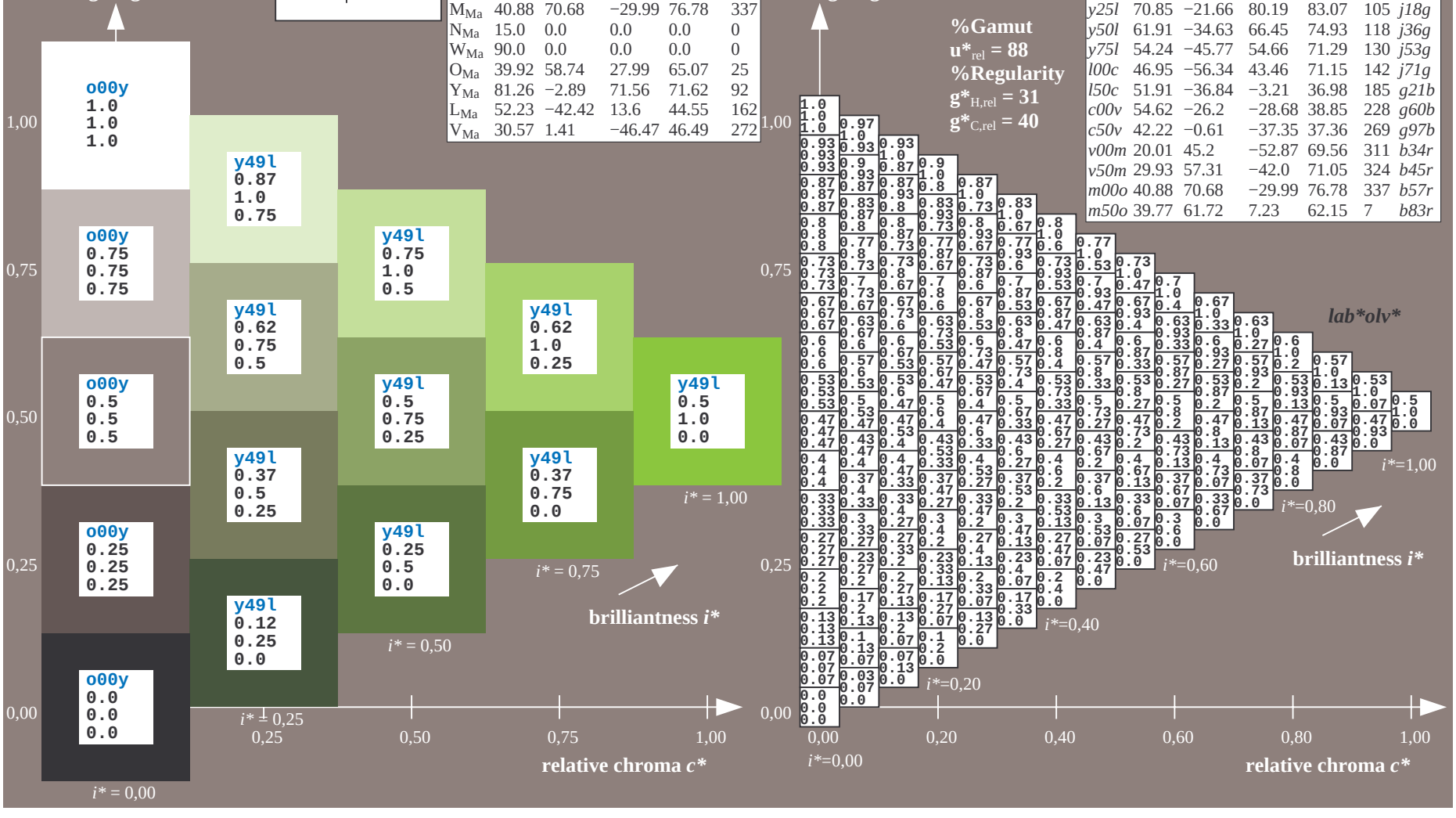
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −35 66
*LAB*LCH**$_{Ma}$: 62 75 117
*lab*olv**$_{Ma}$: 0.5 1.0 0.0
*lab*rgb**$_{Ma}$: 0.64 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y50l*
*lab*olv**

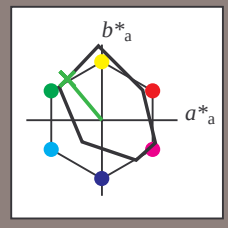
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

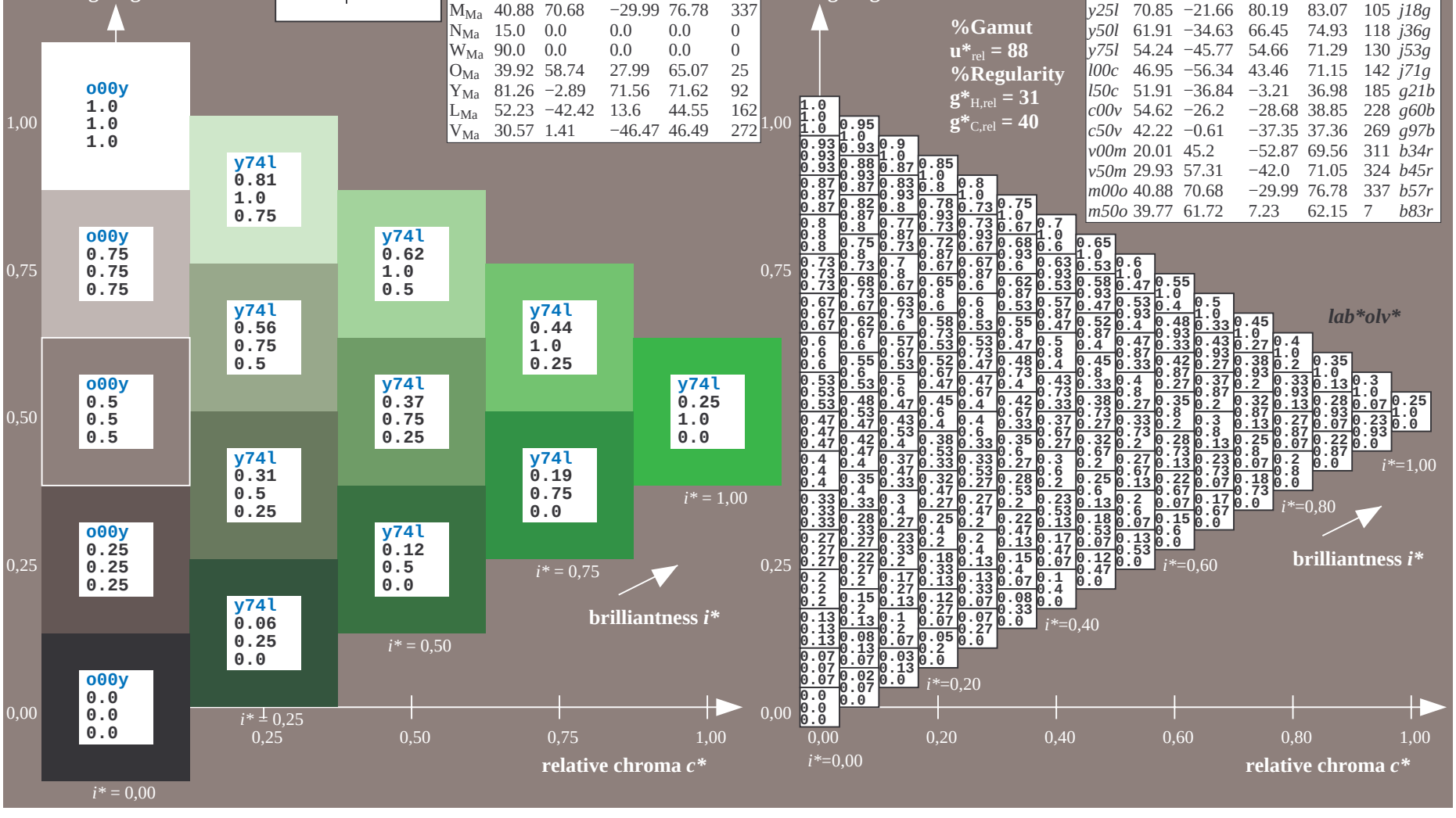
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

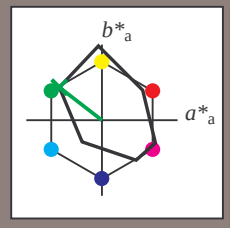
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

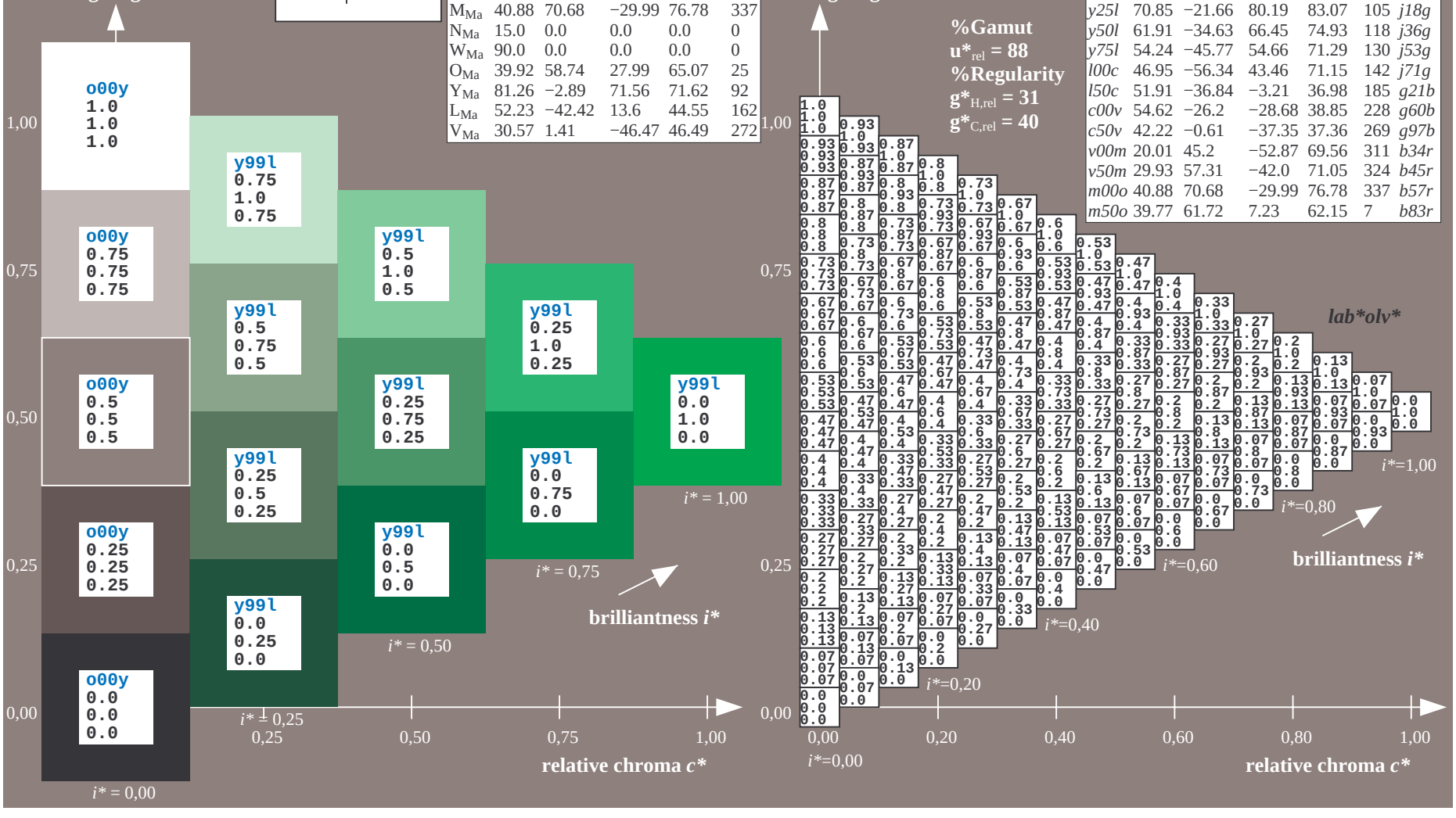
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −56 43
*LAB*LCH**$_{Ma}$: 47 71 142
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l00c*
*lab*olv**

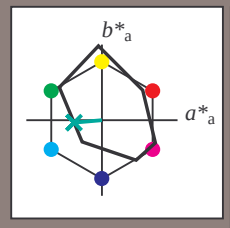
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

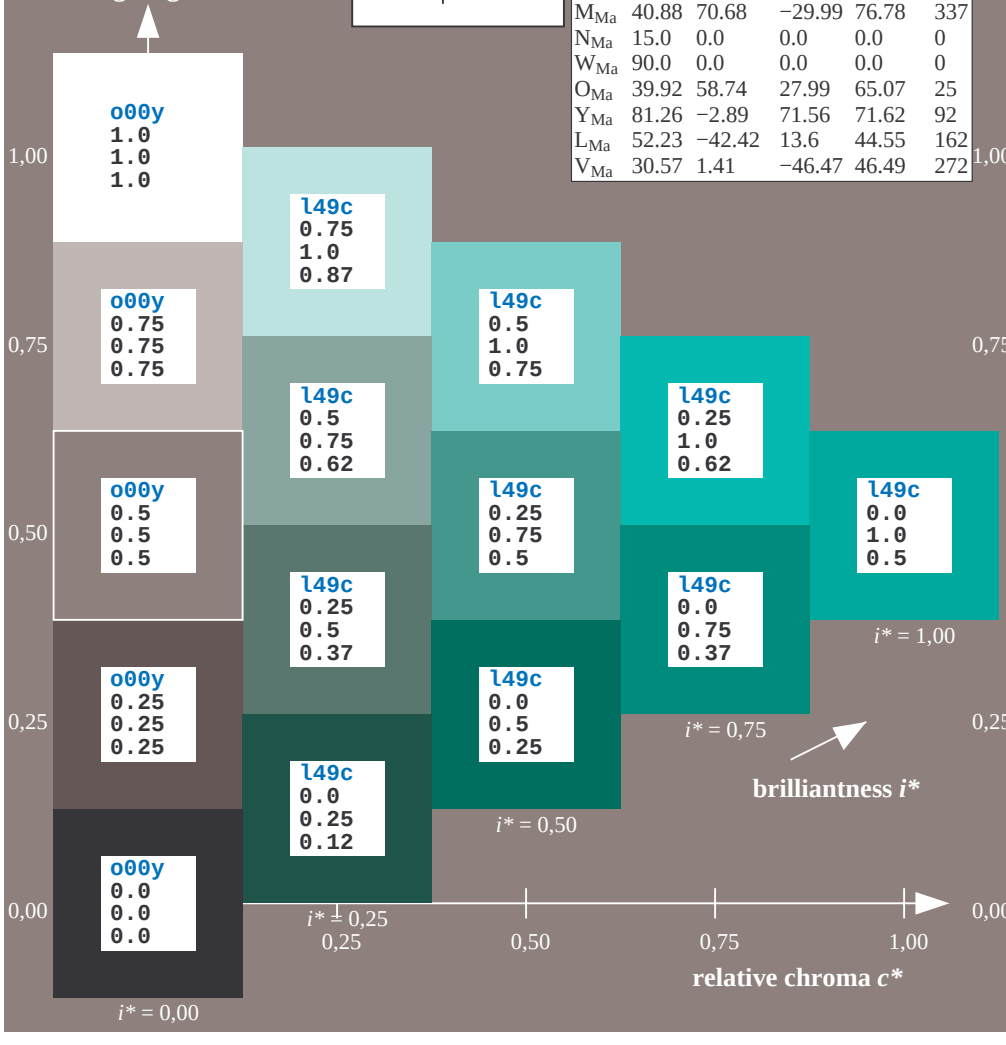
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

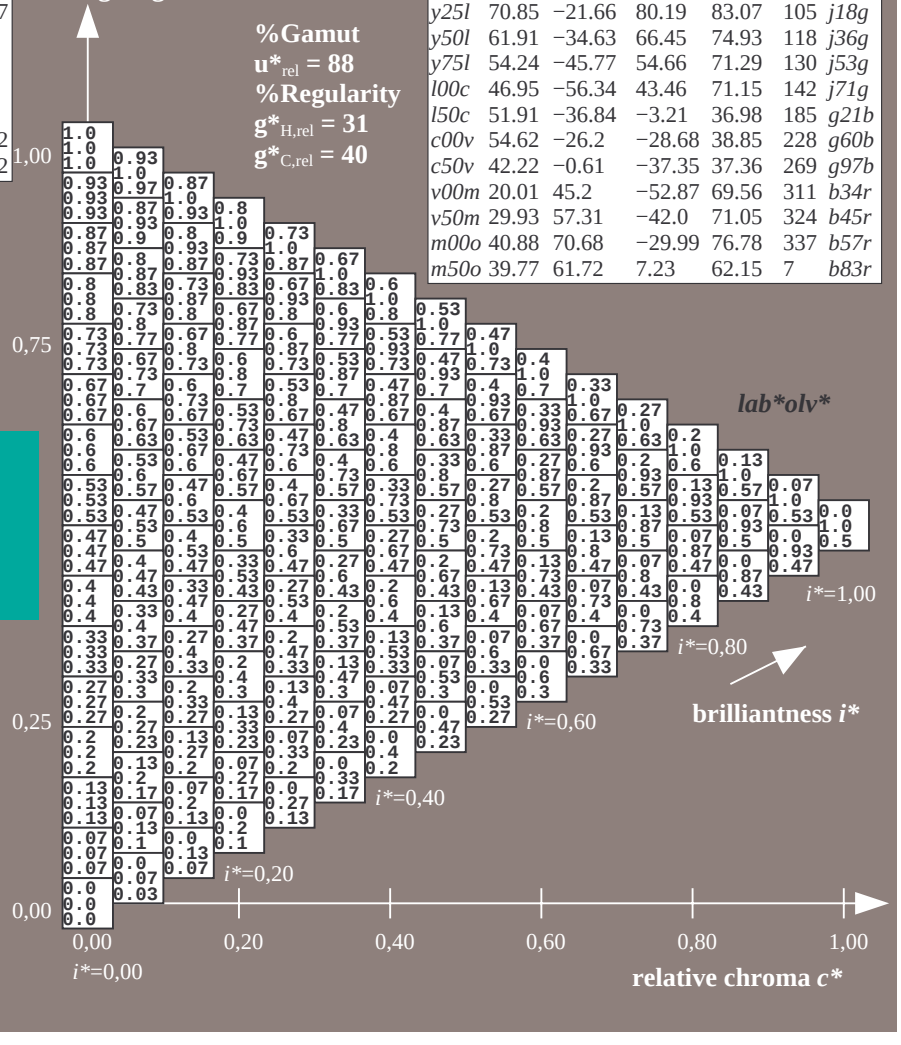
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l50c*
lab*olv*

FRS09_92aM; adapted (a) CIELAB data

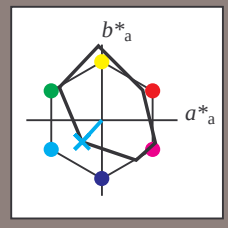
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

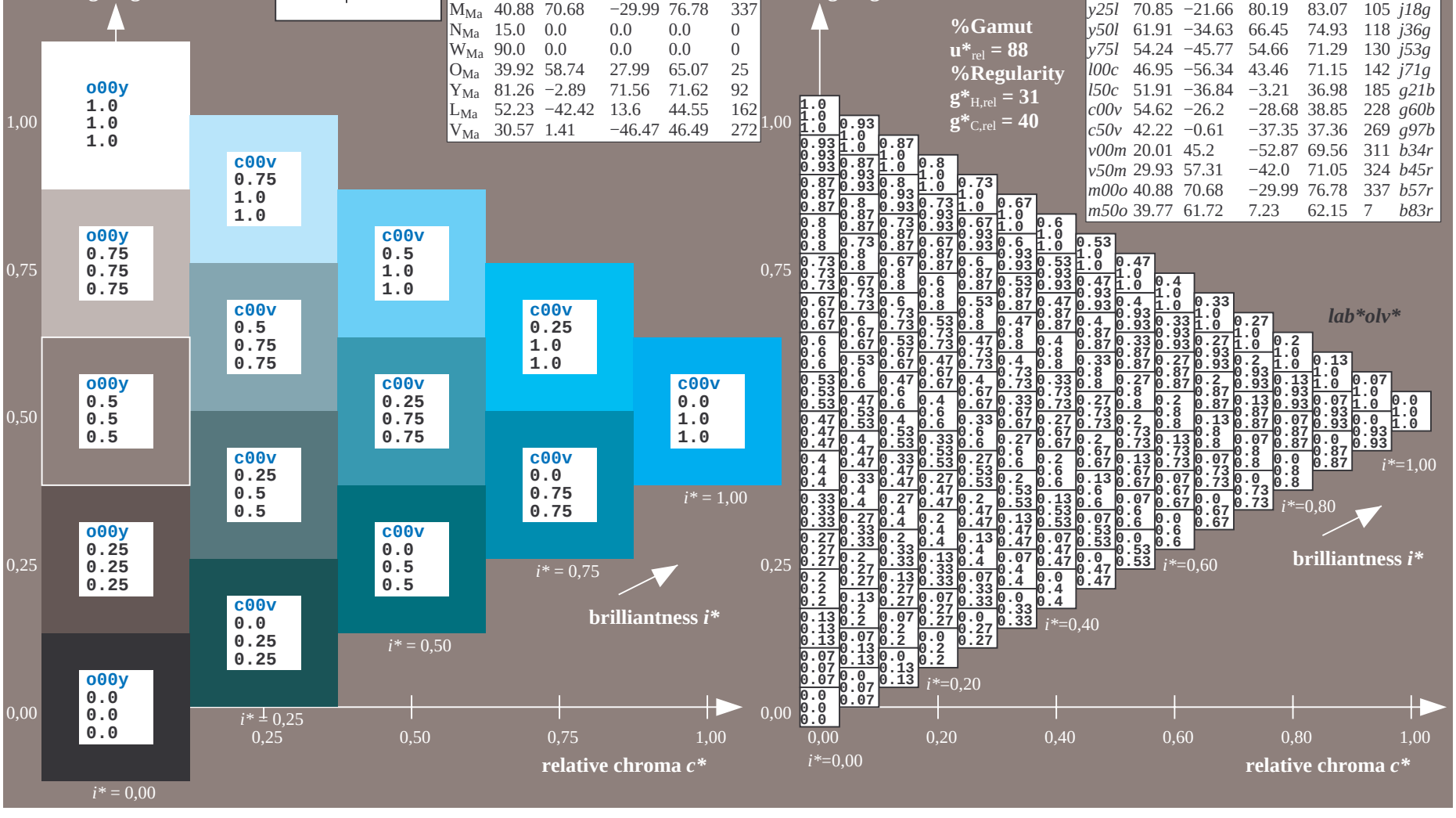
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −26 −29
*LAB*LCH**$_{Ma}$: 55 39 227
*lab*olv**$_{Ma}$: 0.0 1.0 1.0
*lab*rgb**$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
*lab*olv**

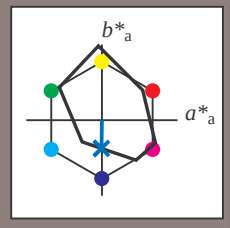
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

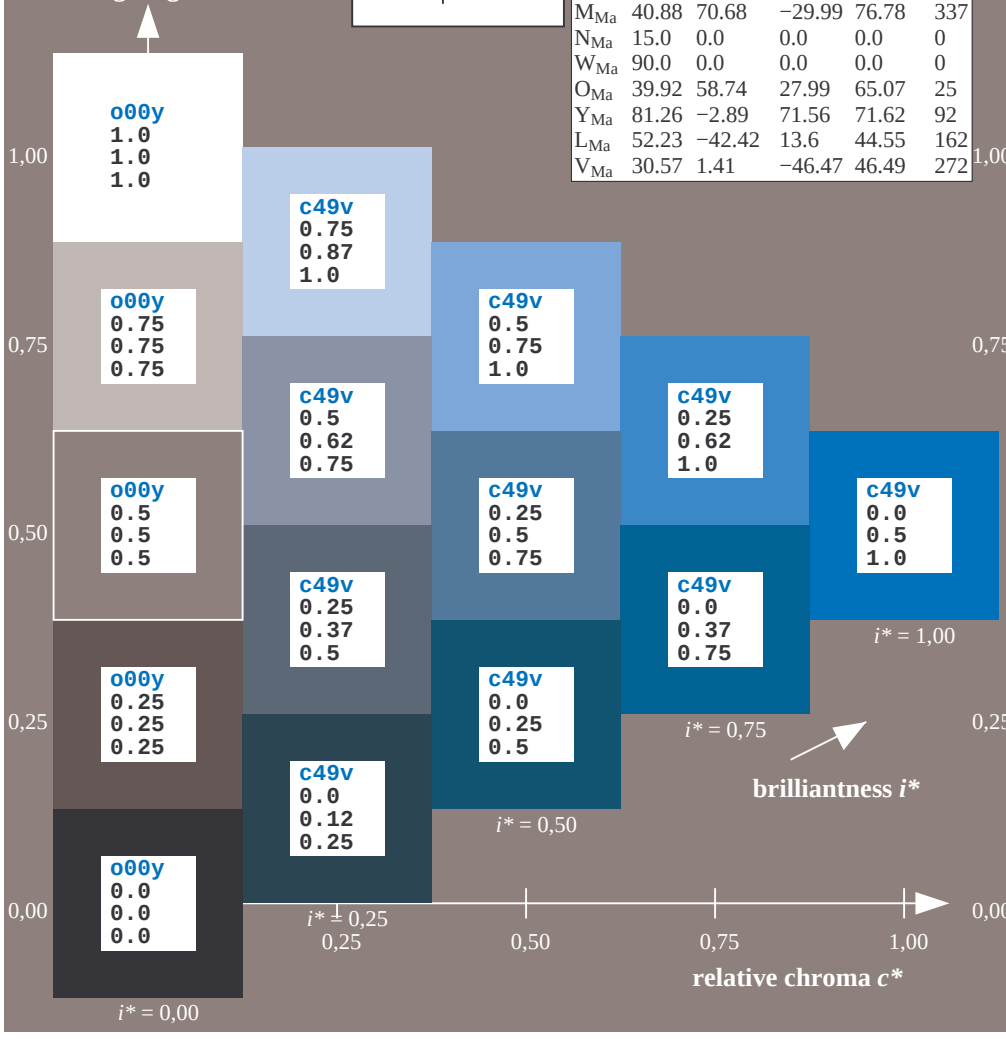
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 −1 −37
*LAB*LCH**$_{Ma}$: 42 37 269
*lab*olv**$_{Ma}$: 0.0 0.5 1.0
*lab*rgb**$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

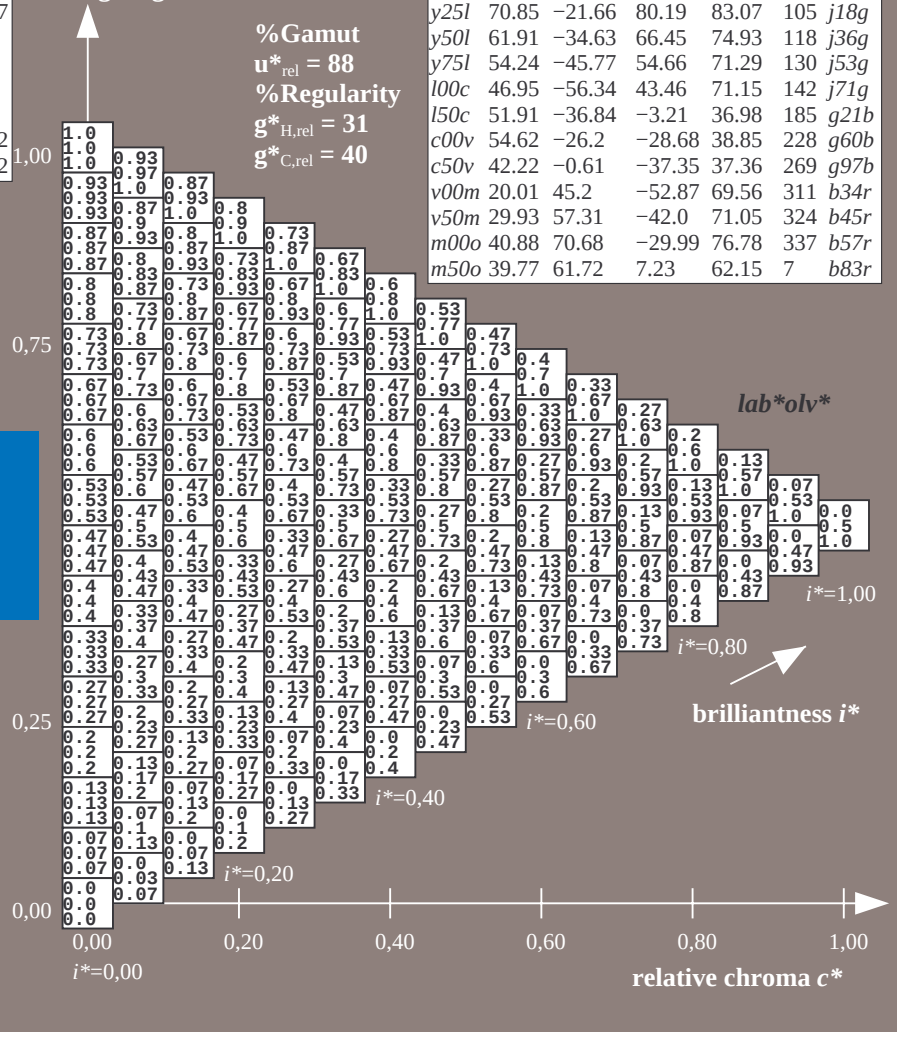
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

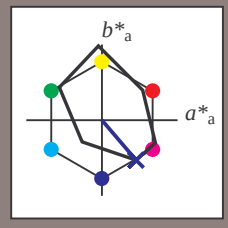
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

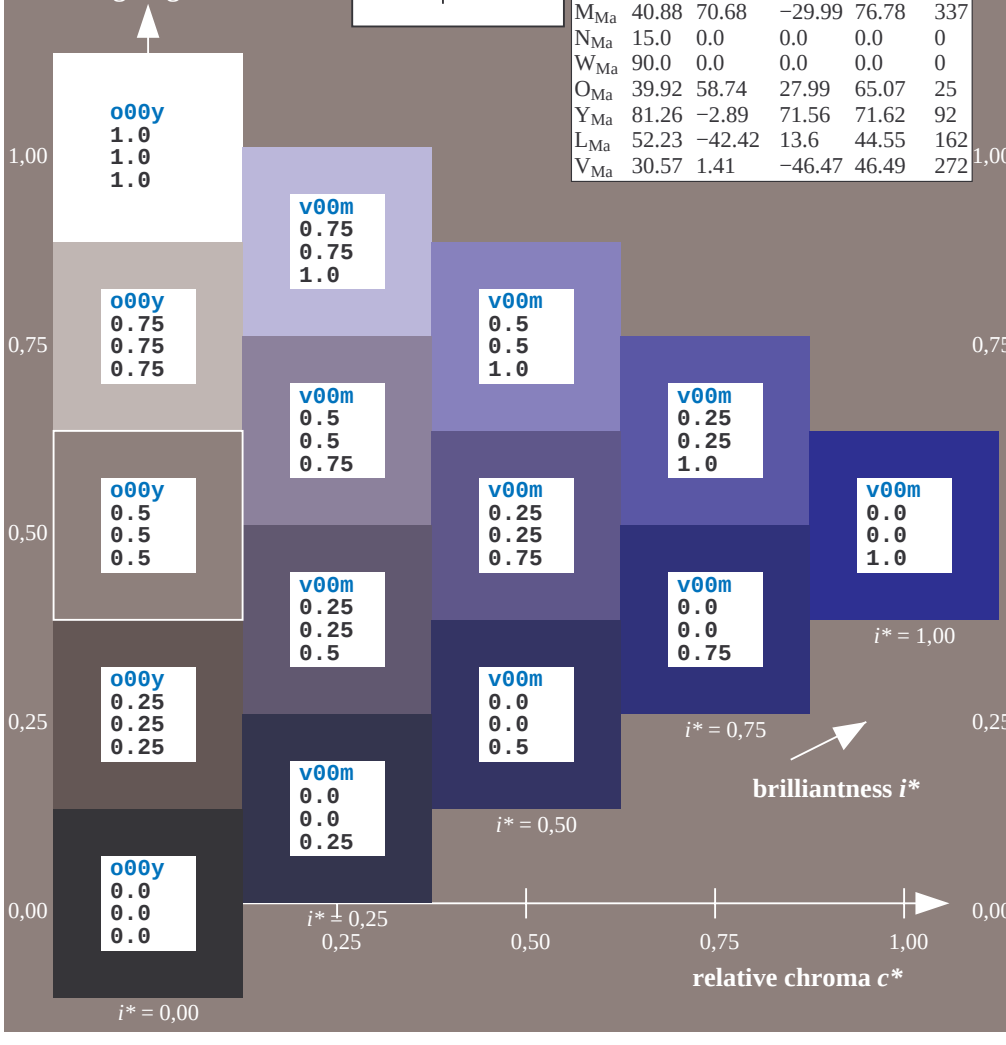
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

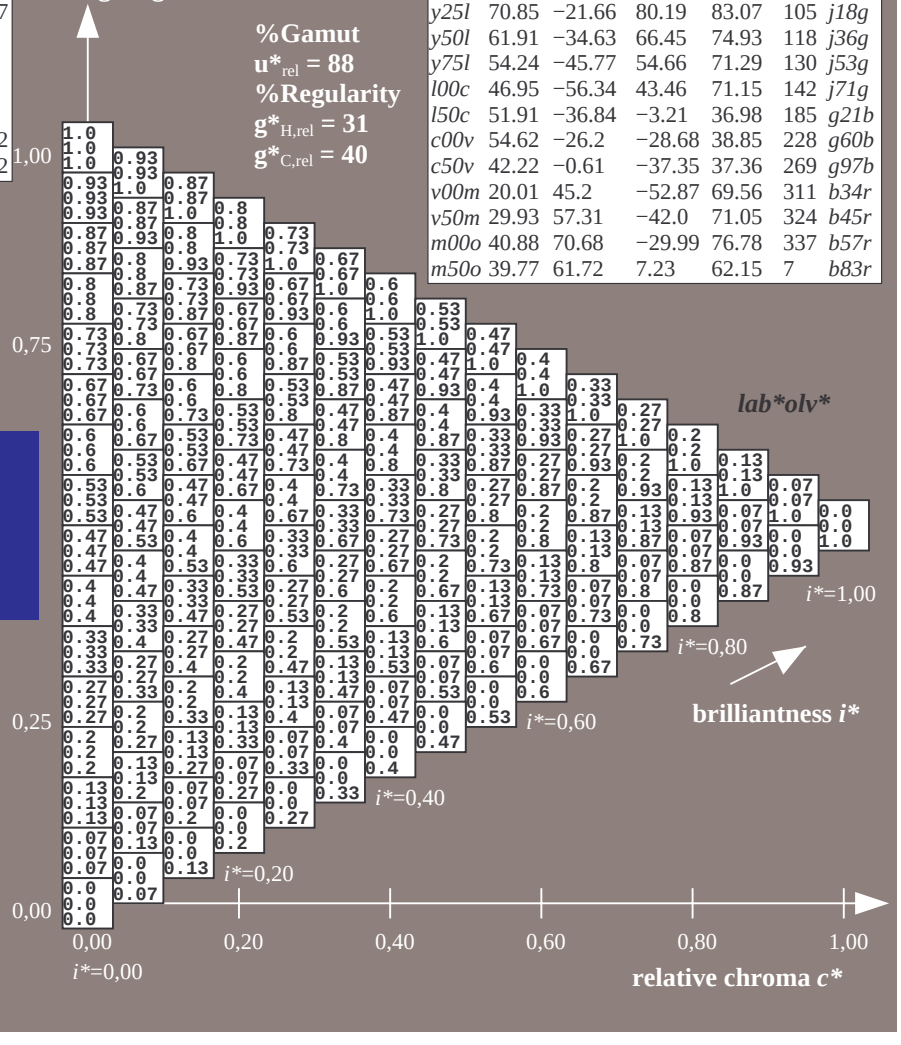
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

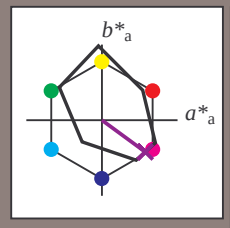
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

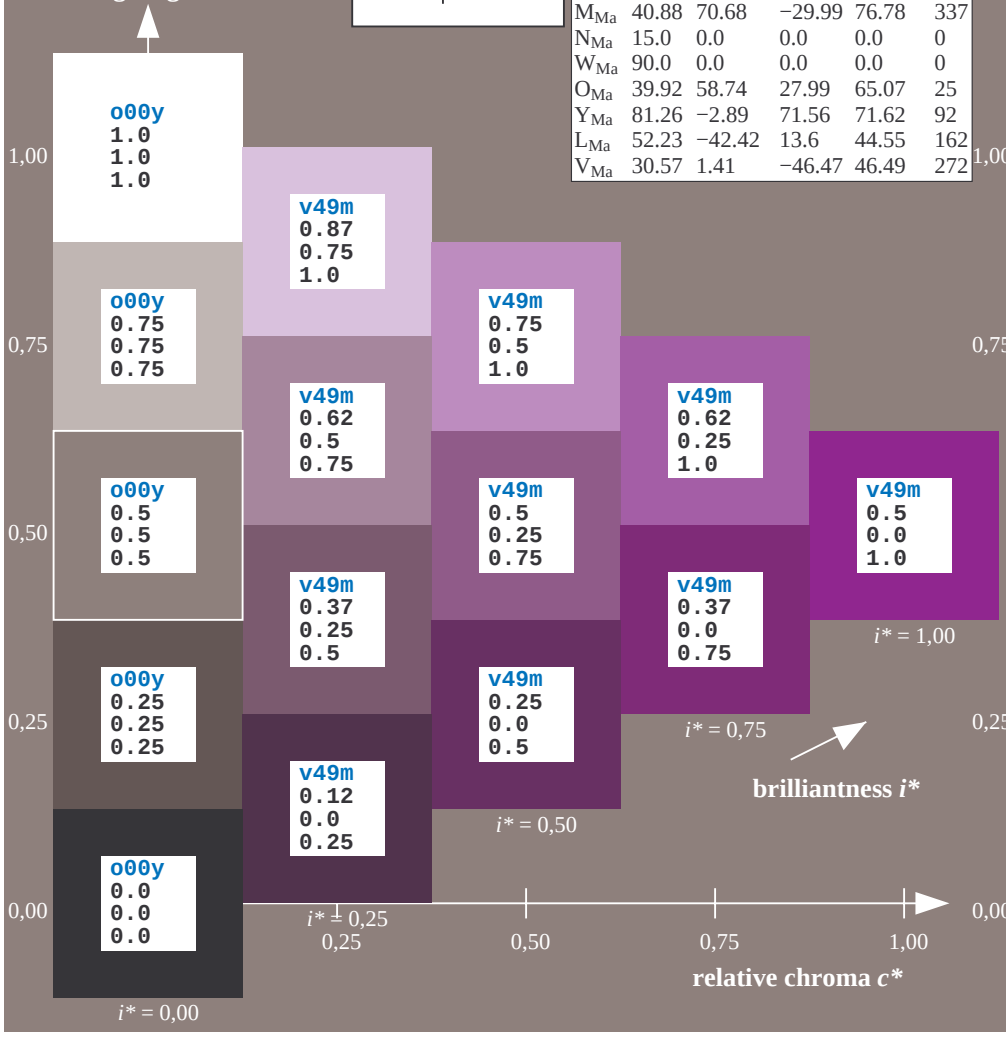
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

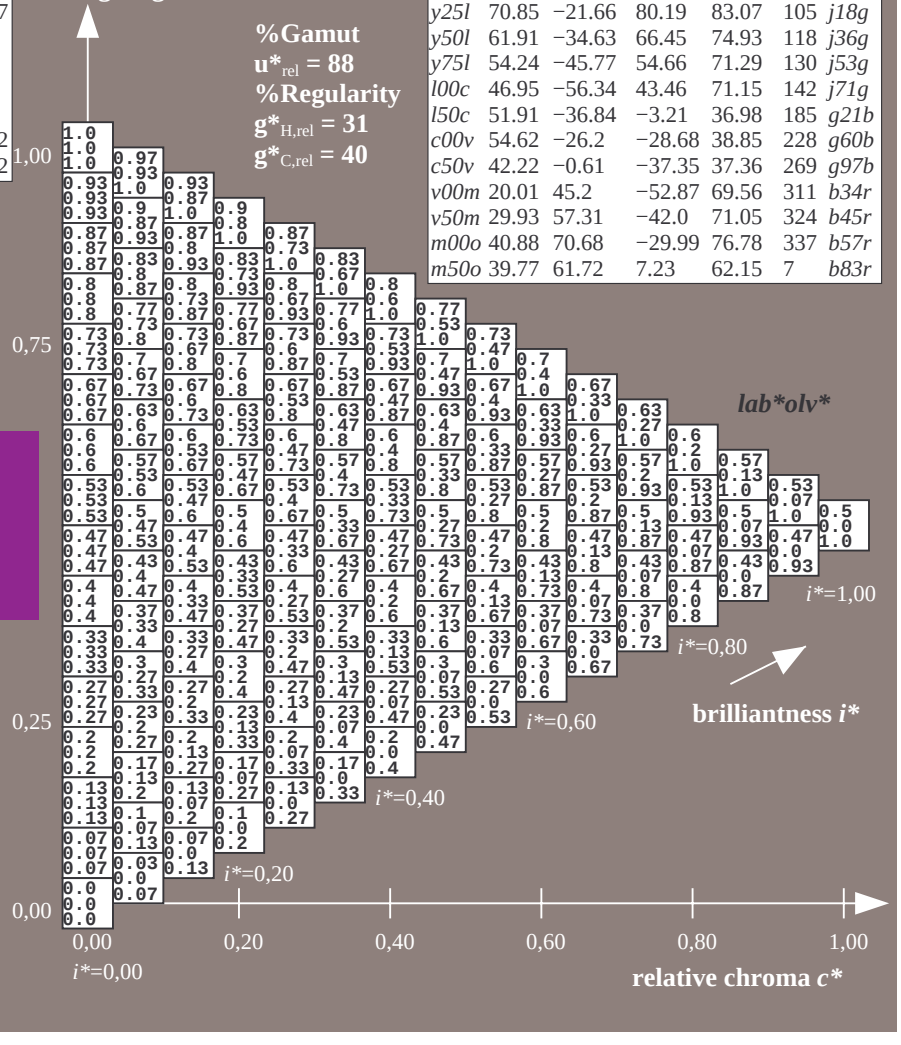
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v50m*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

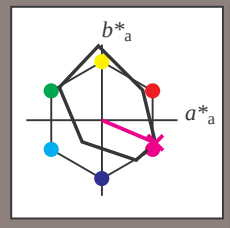




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

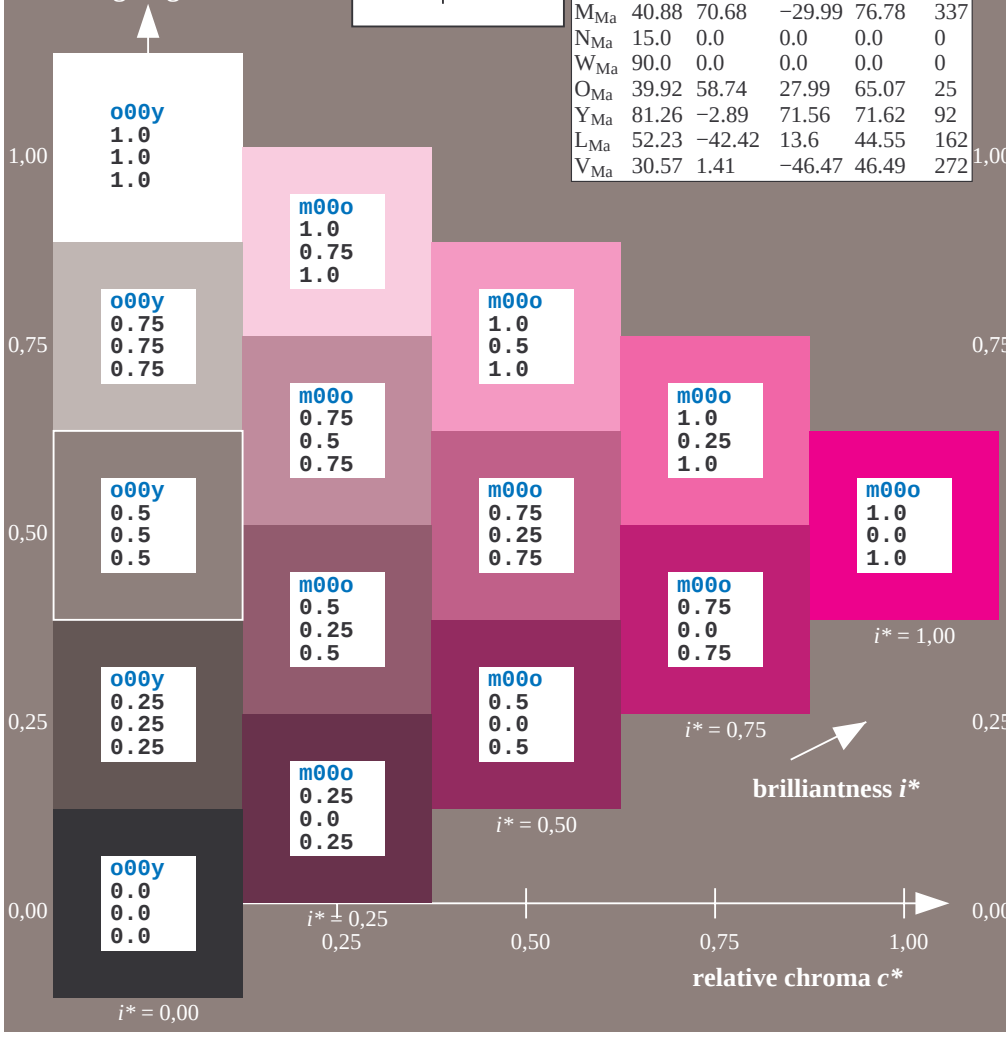
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 41 71 −30
*LAB*LCH**$_{Ma}$: 41 77 337
*lab*olv**$_{Ma}$: 1.0 0.0 1.0
*lab*rgb**$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

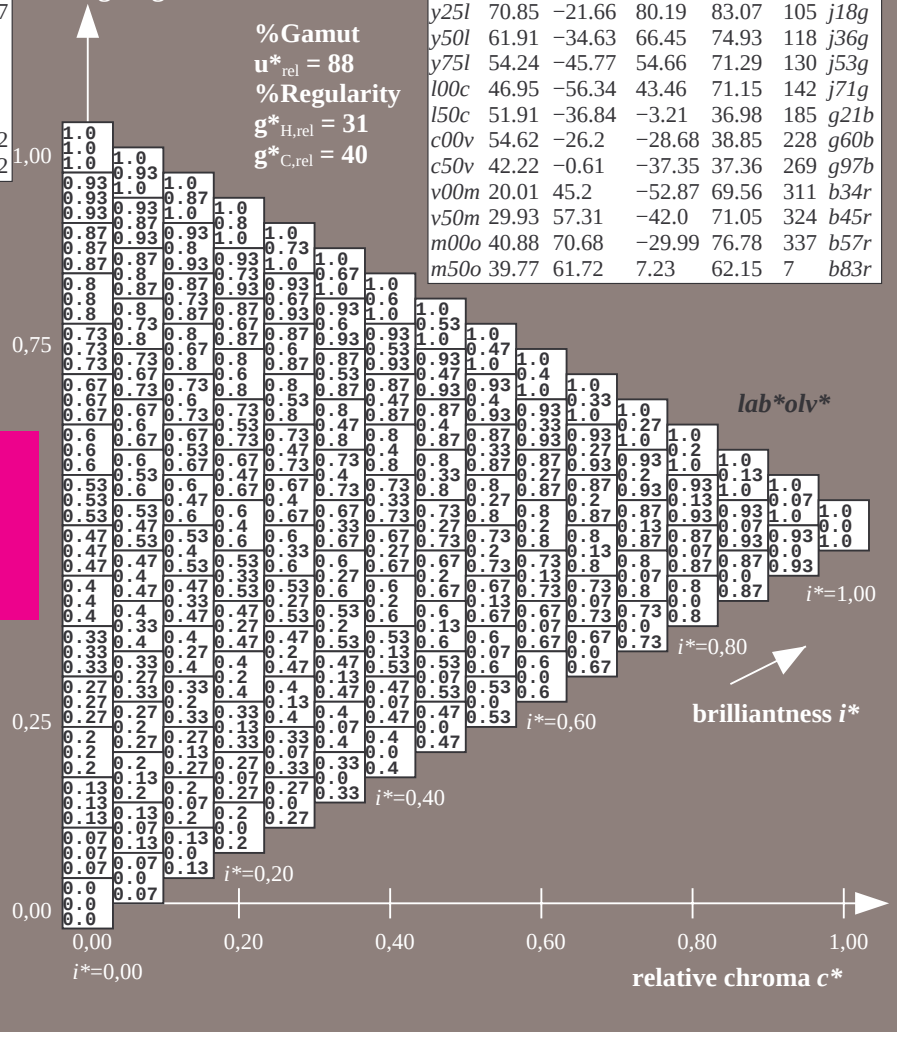
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *m00o*
*lab*olv**

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

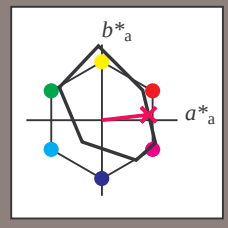




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

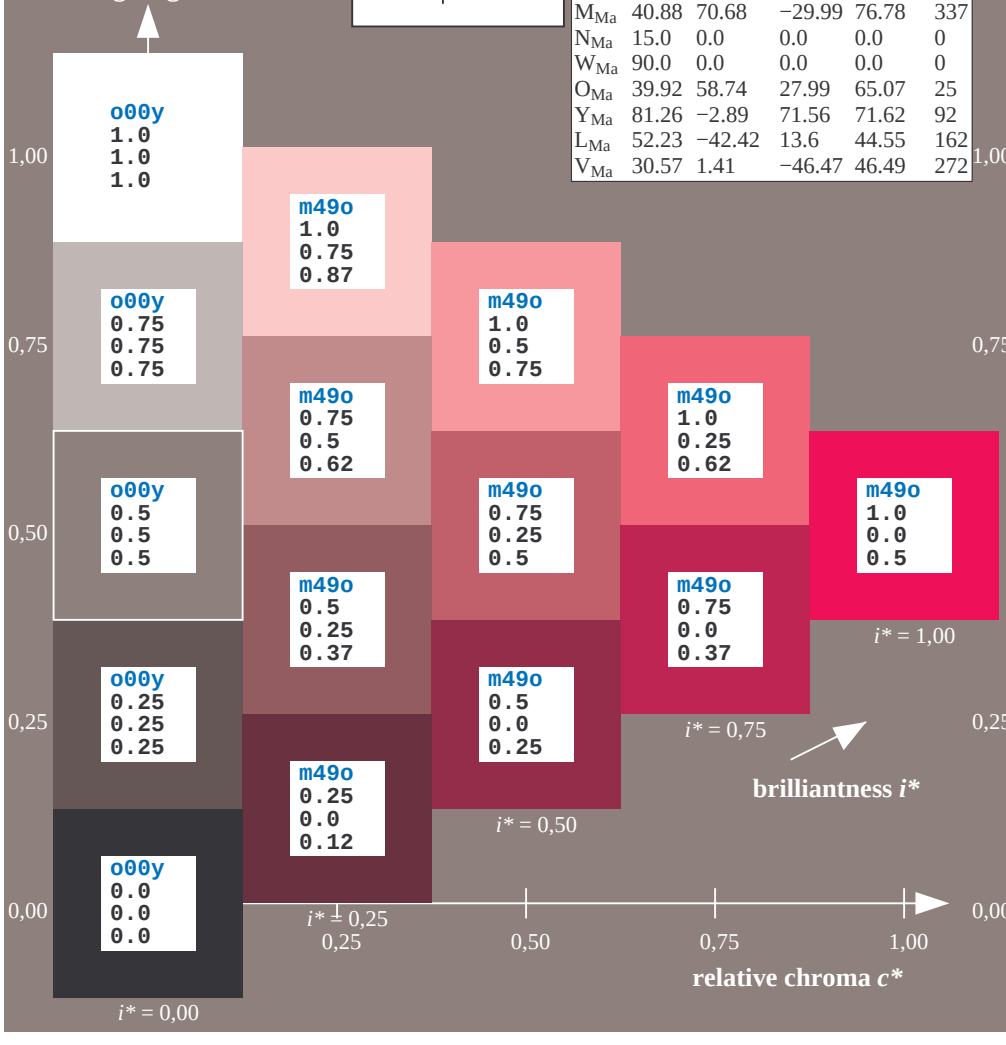
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

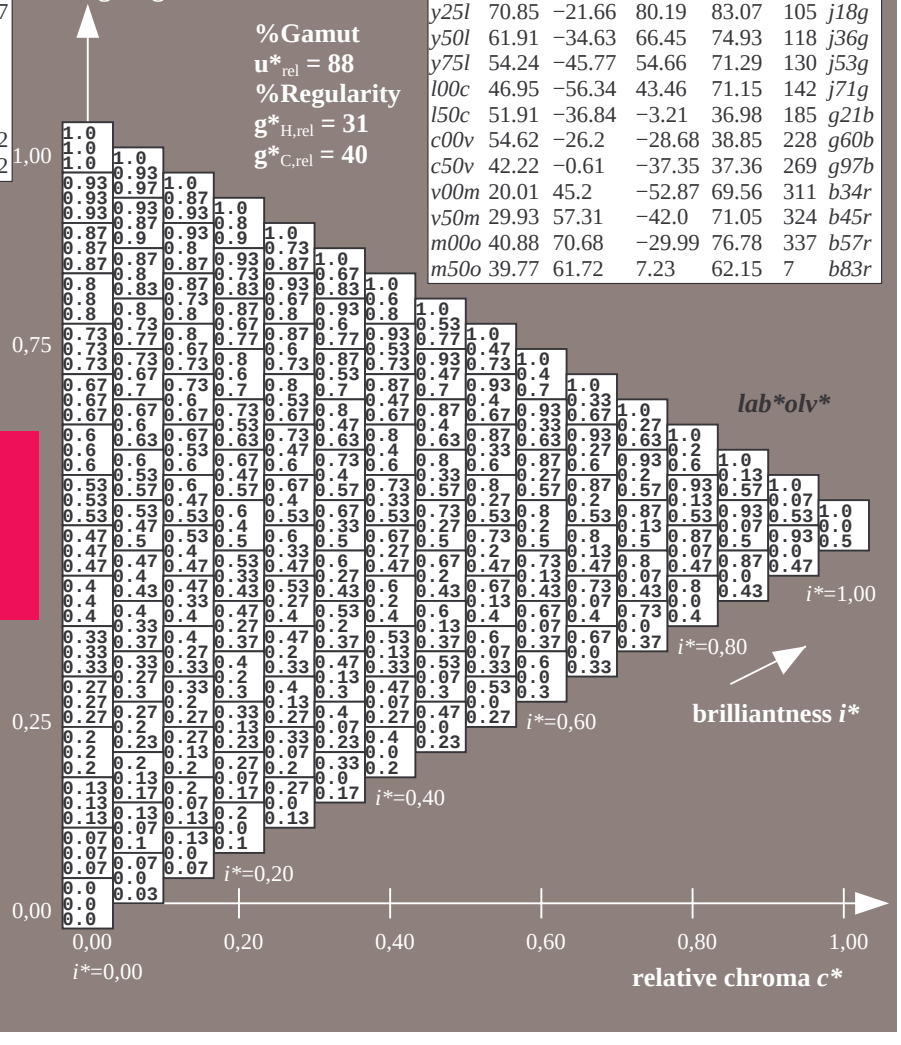
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

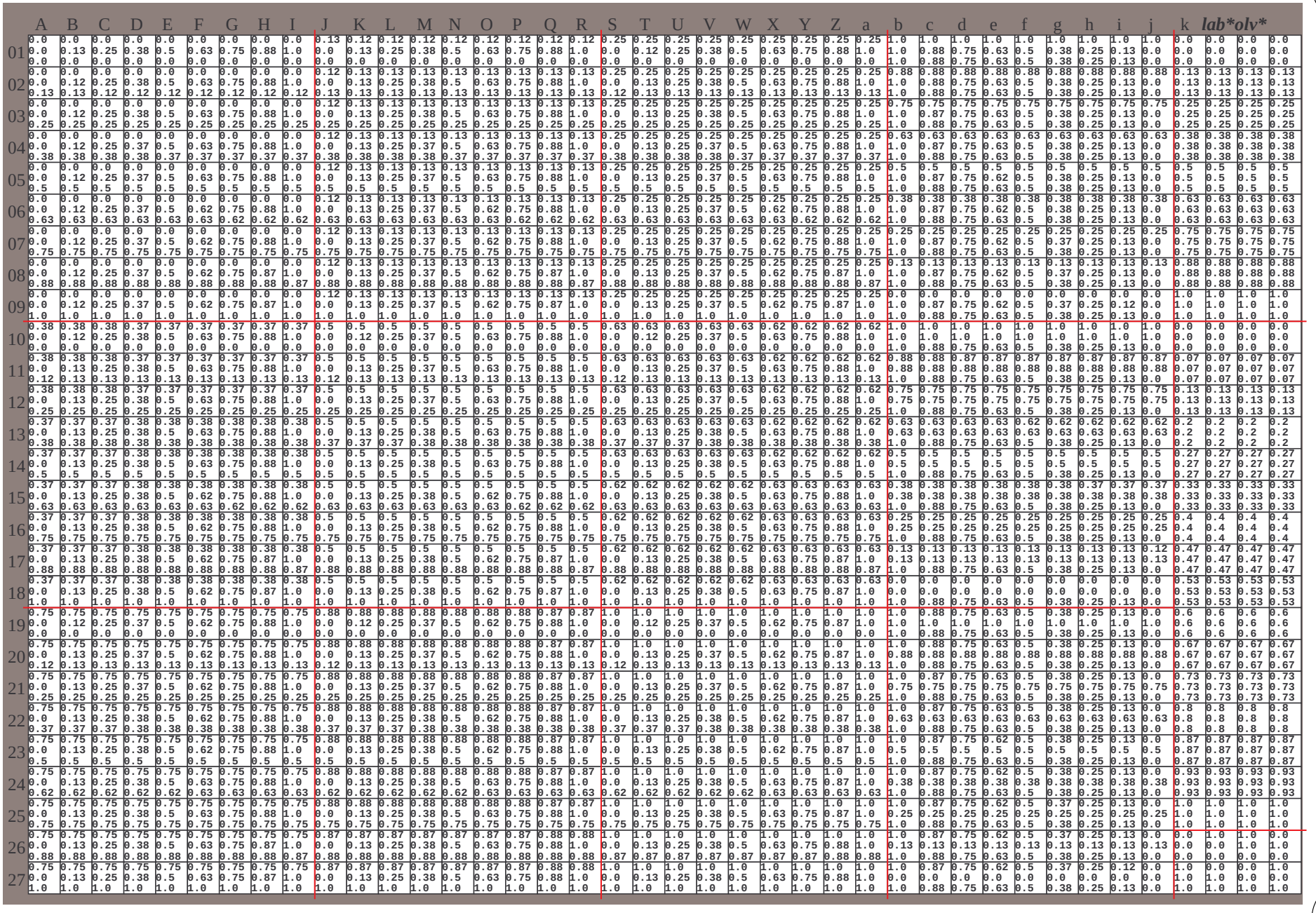
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



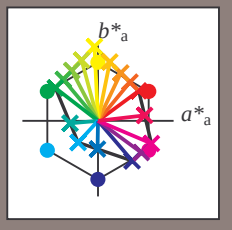




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u**d* and number *no.* = 00 .. 15**
device hue text:
u**d* = 16 hues *o00y, o25y, ..., m50o
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

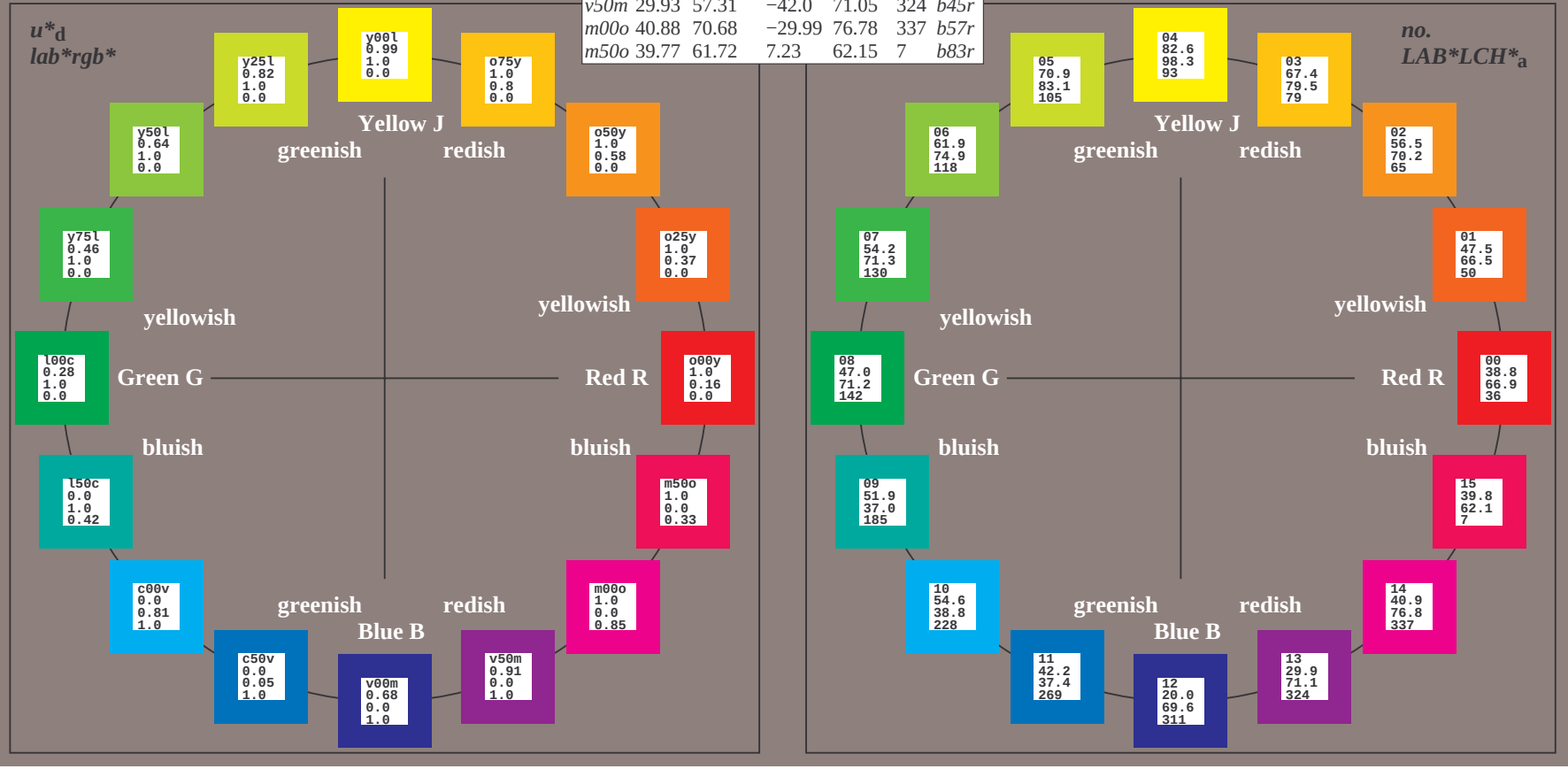
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

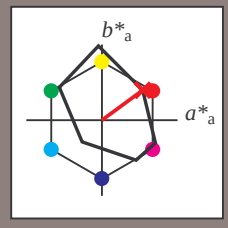
FRS09_92aM; adapted (a) CIELAB data

Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

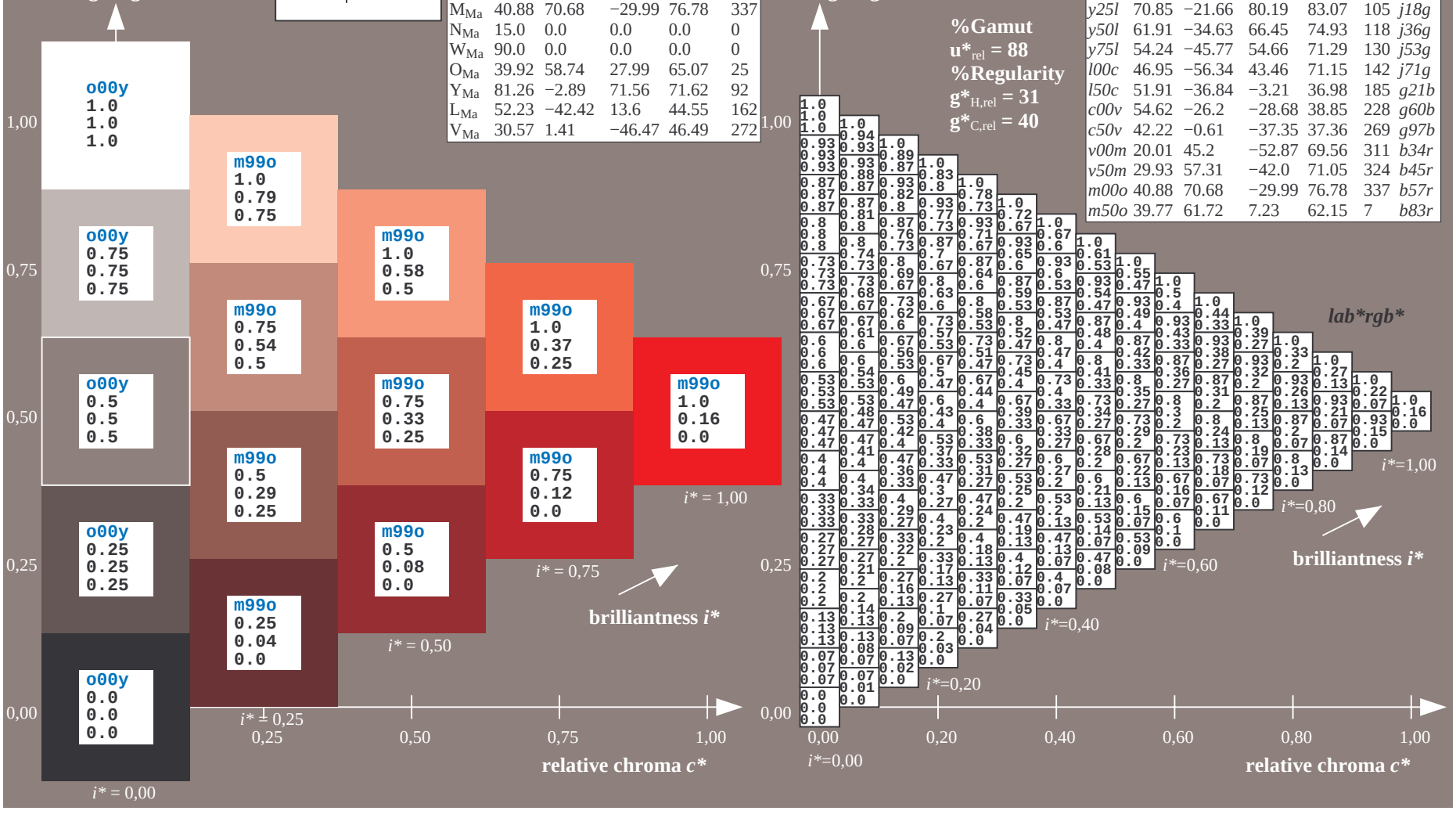
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*lab*rgb**

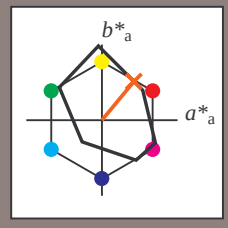
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

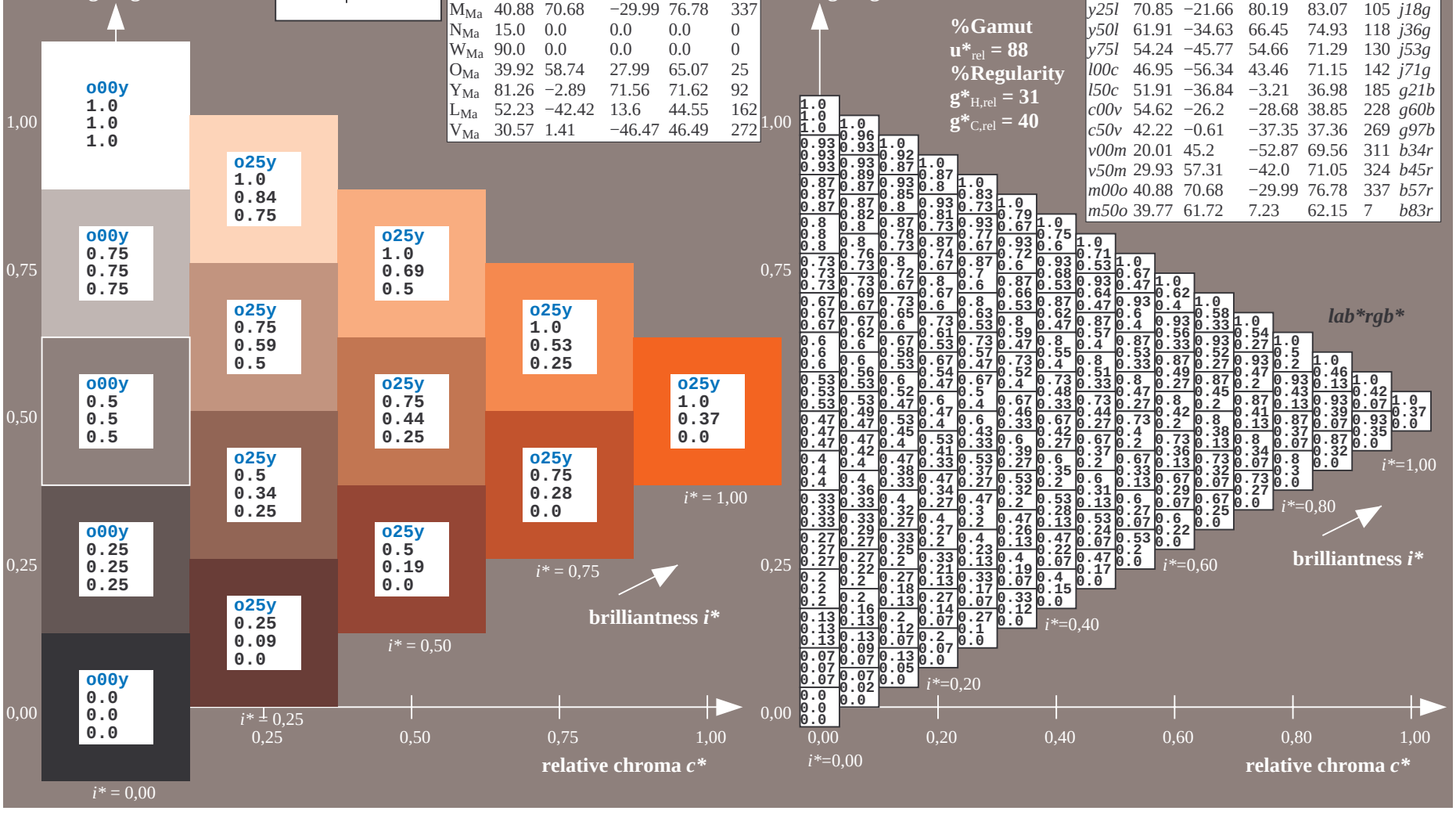
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*lab*rgb**

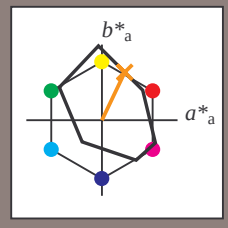
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

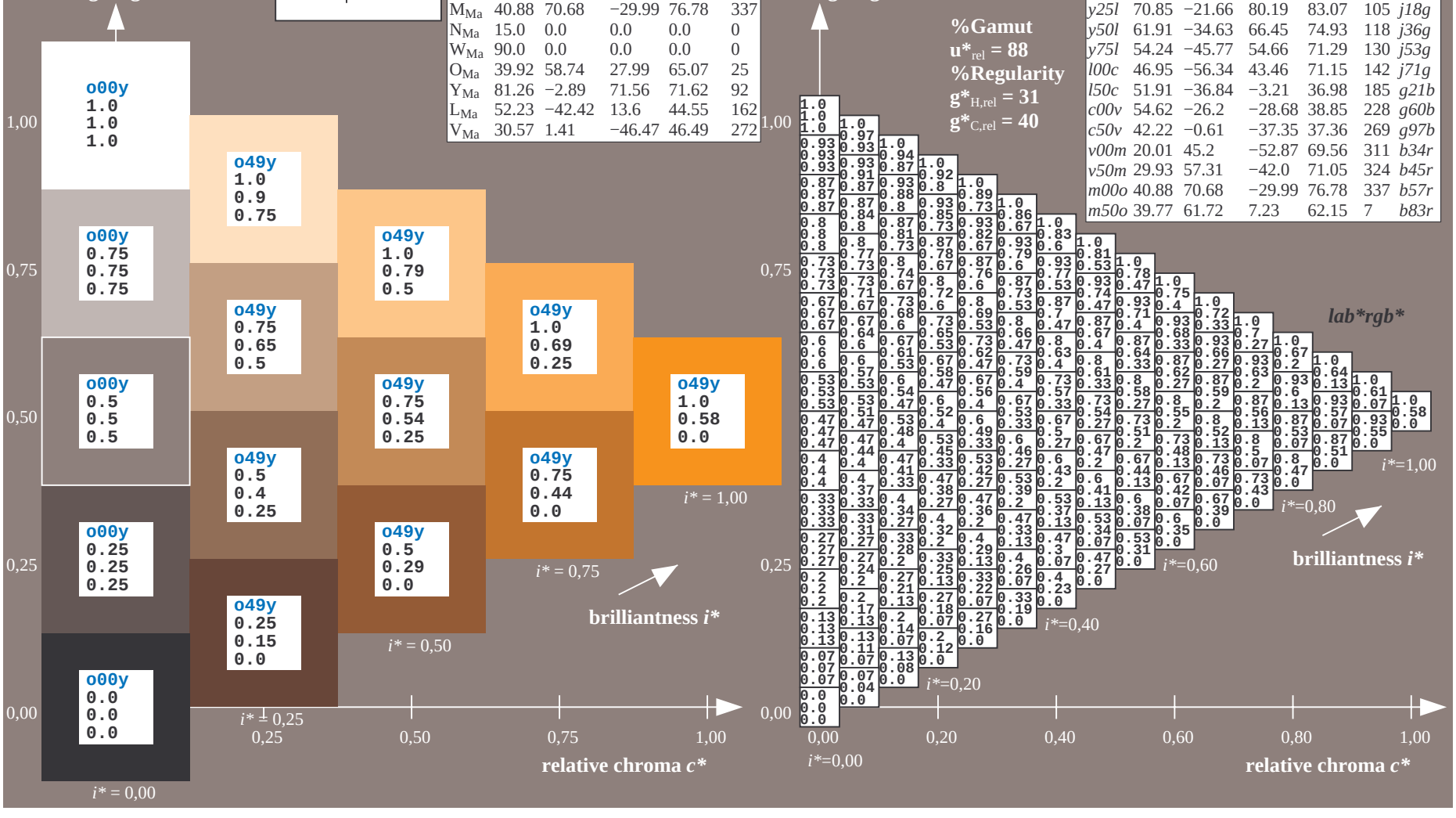
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
*lab*rgb**

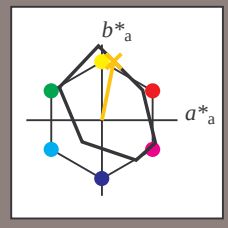
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

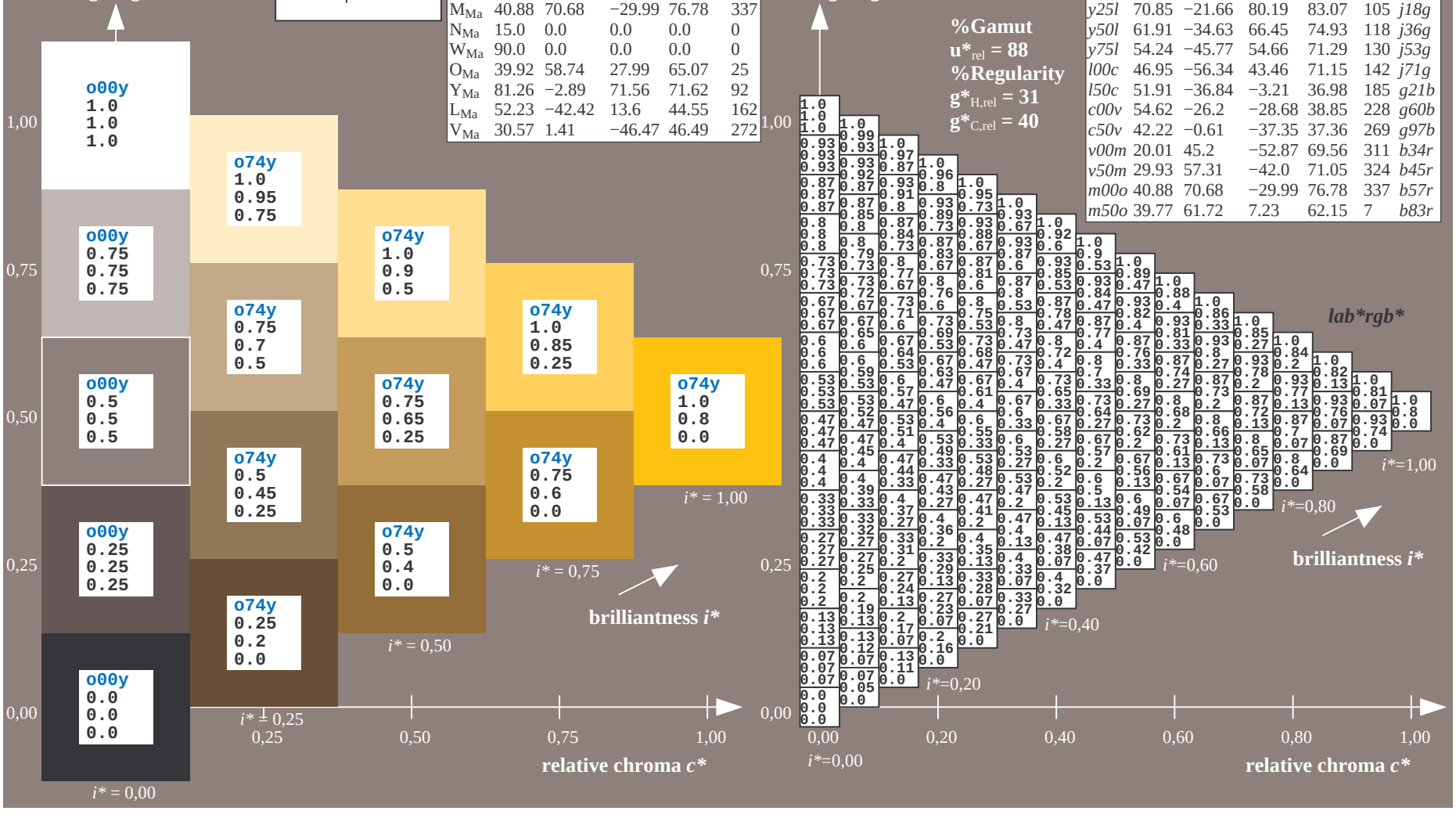
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
lab*rgb*

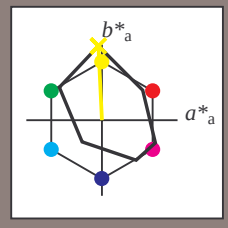
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

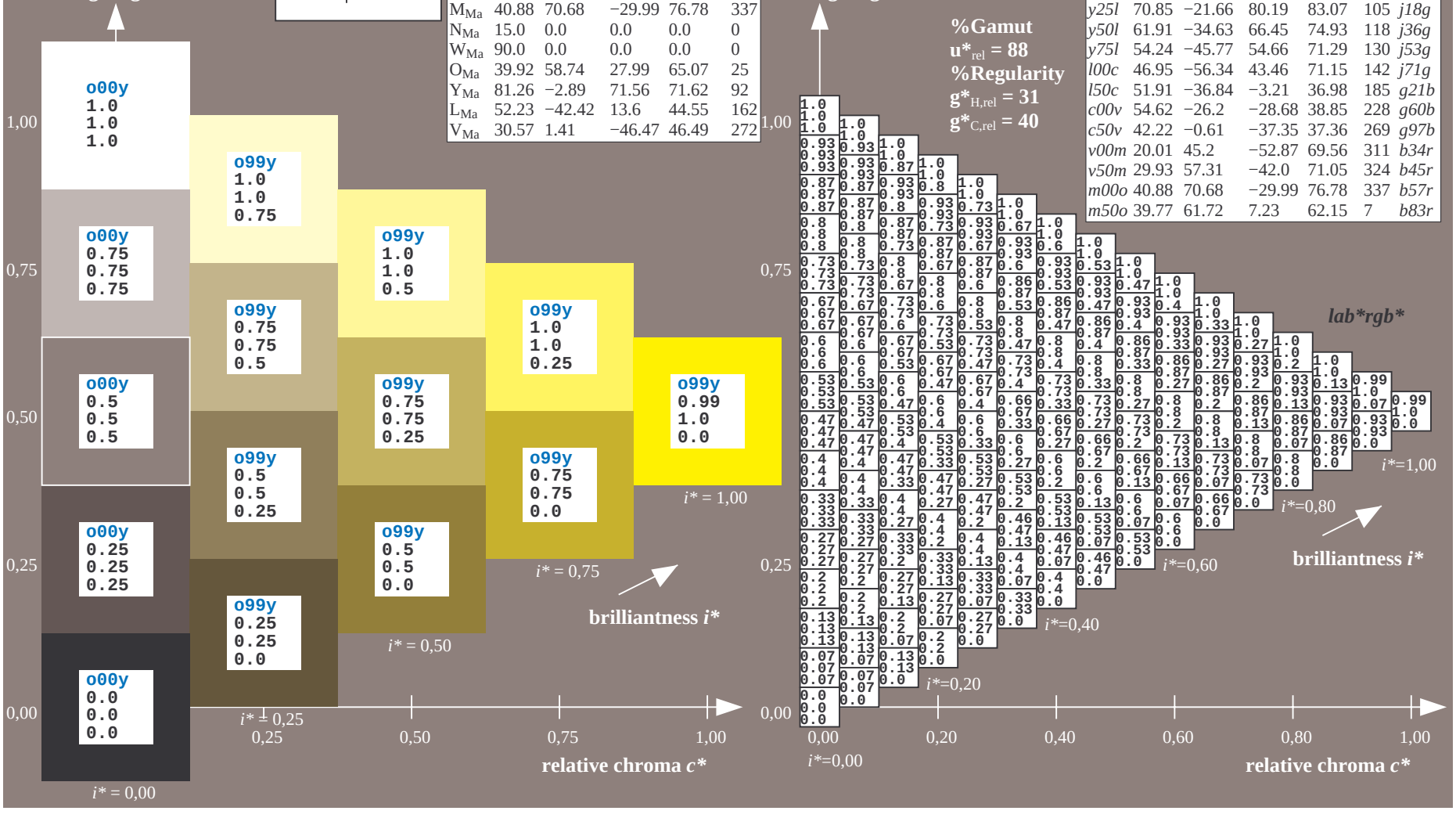
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
*lab*rgb**

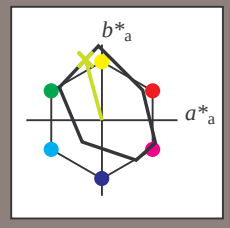
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

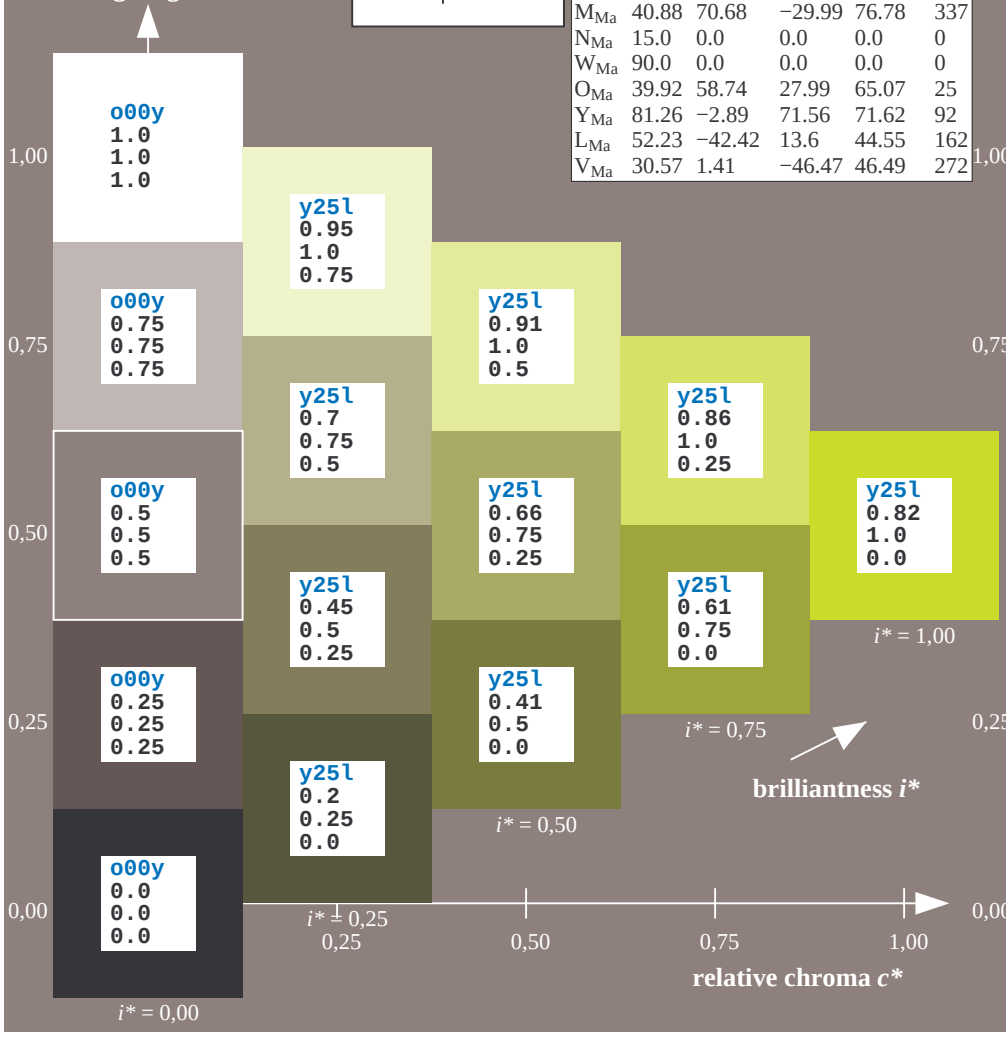
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

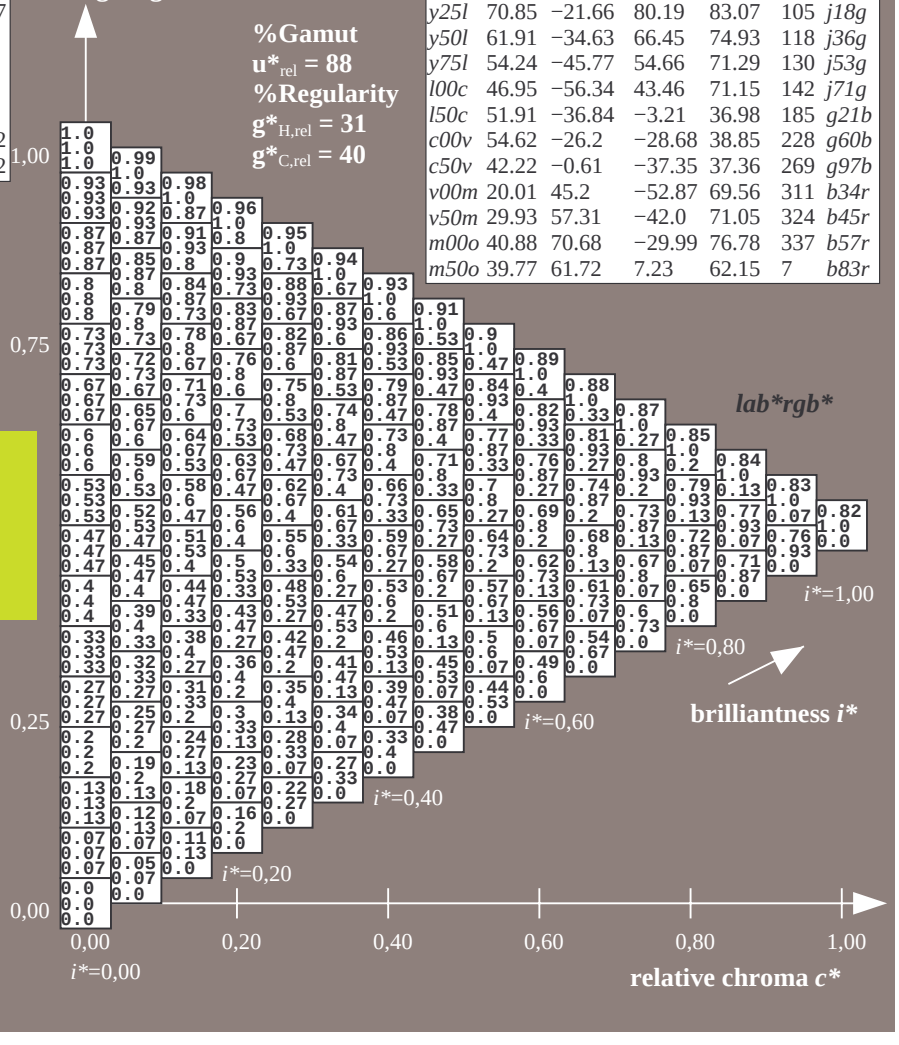
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

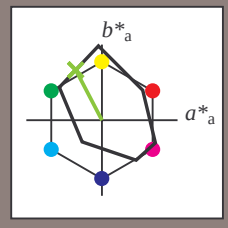
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

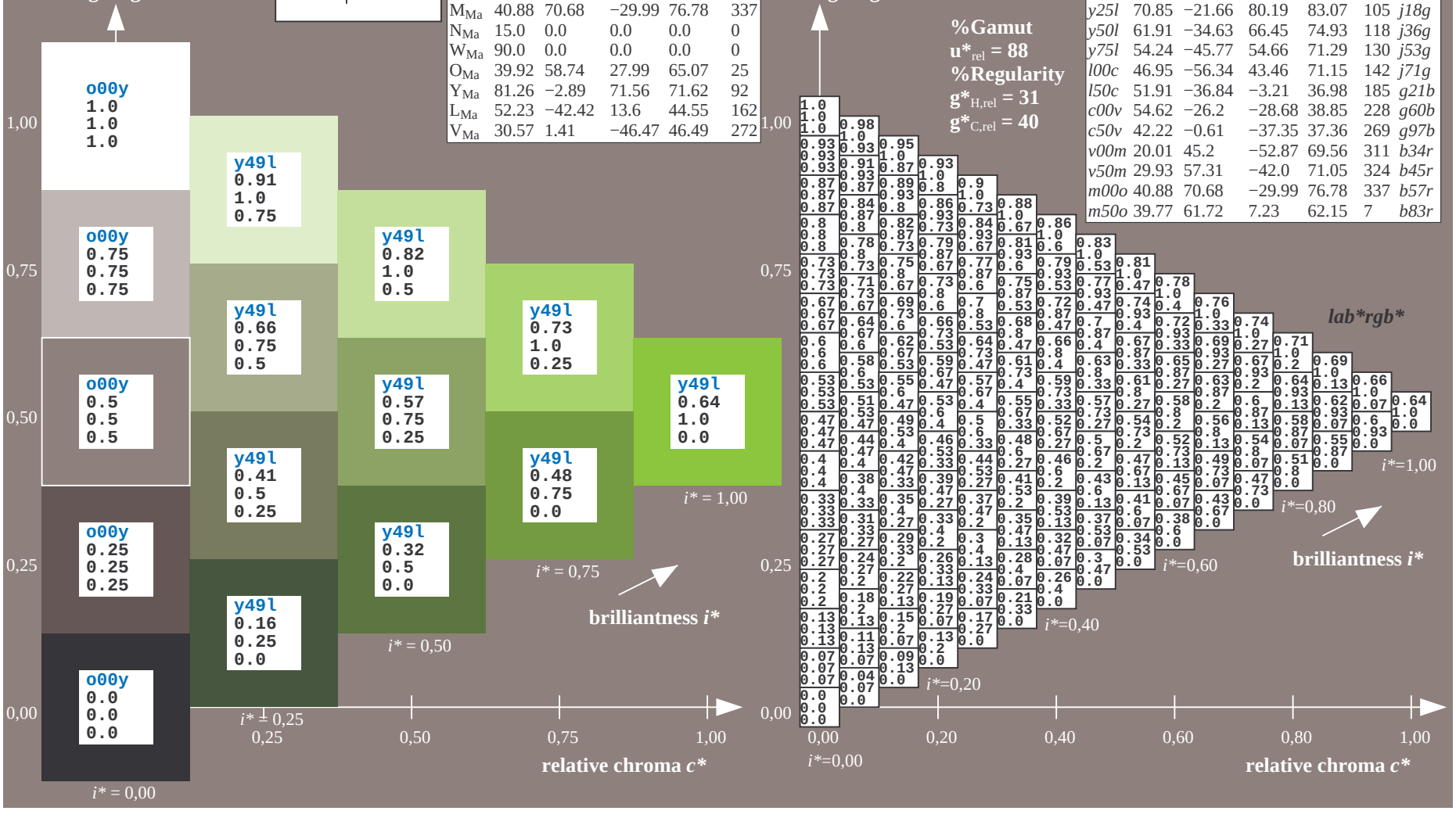
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −35 66
*LAB*LCH**$_{Ma}$: 62 75 117
*lab*olv**$_{Ma}$: 0.5 1.0 0.0
*lab*rgb**$_{Ma}$: 0.64 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

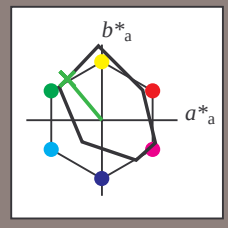
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

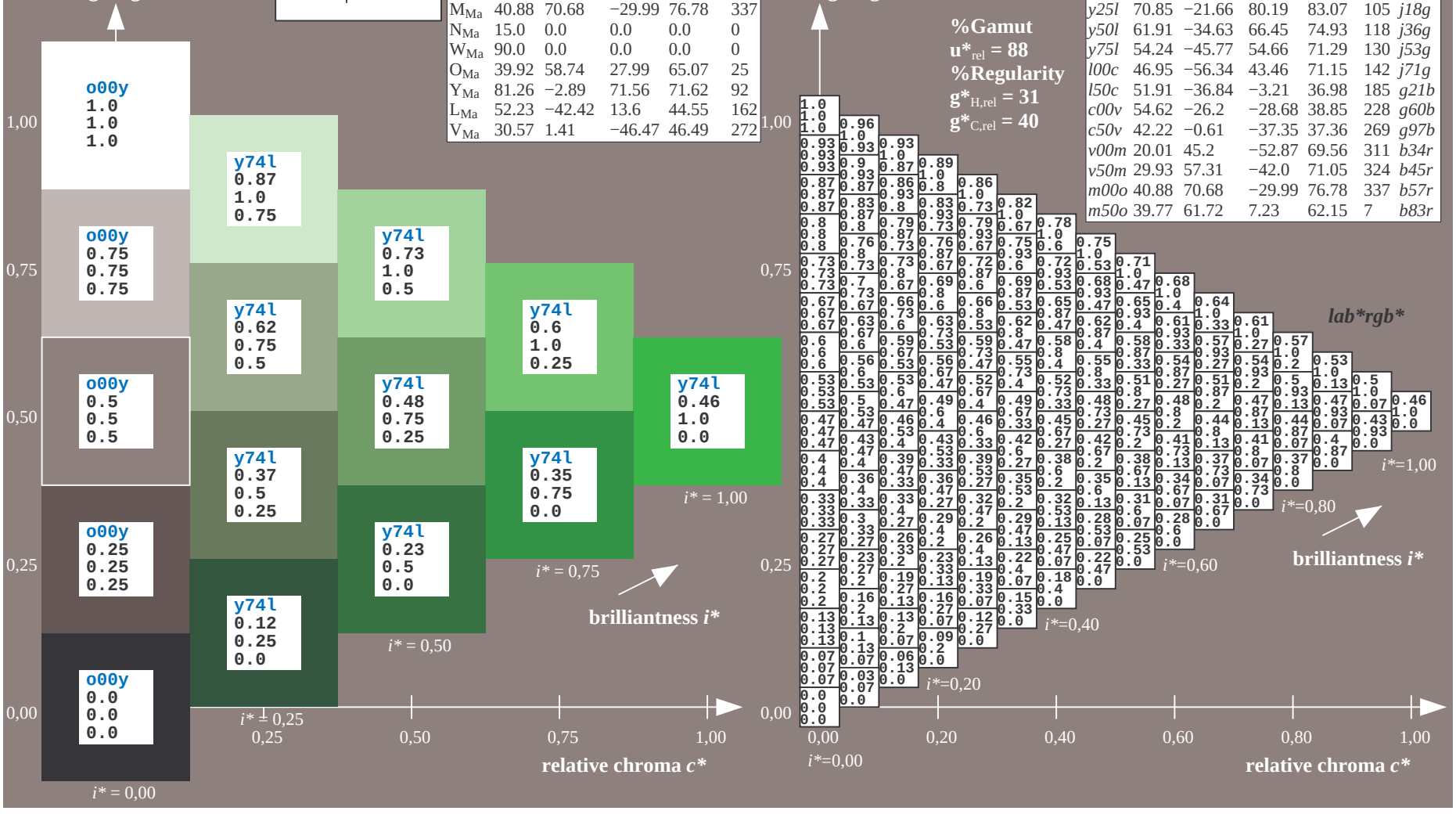
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
*lab*rgb**

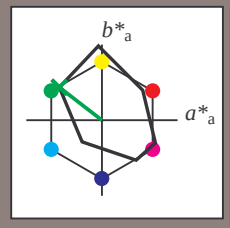
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

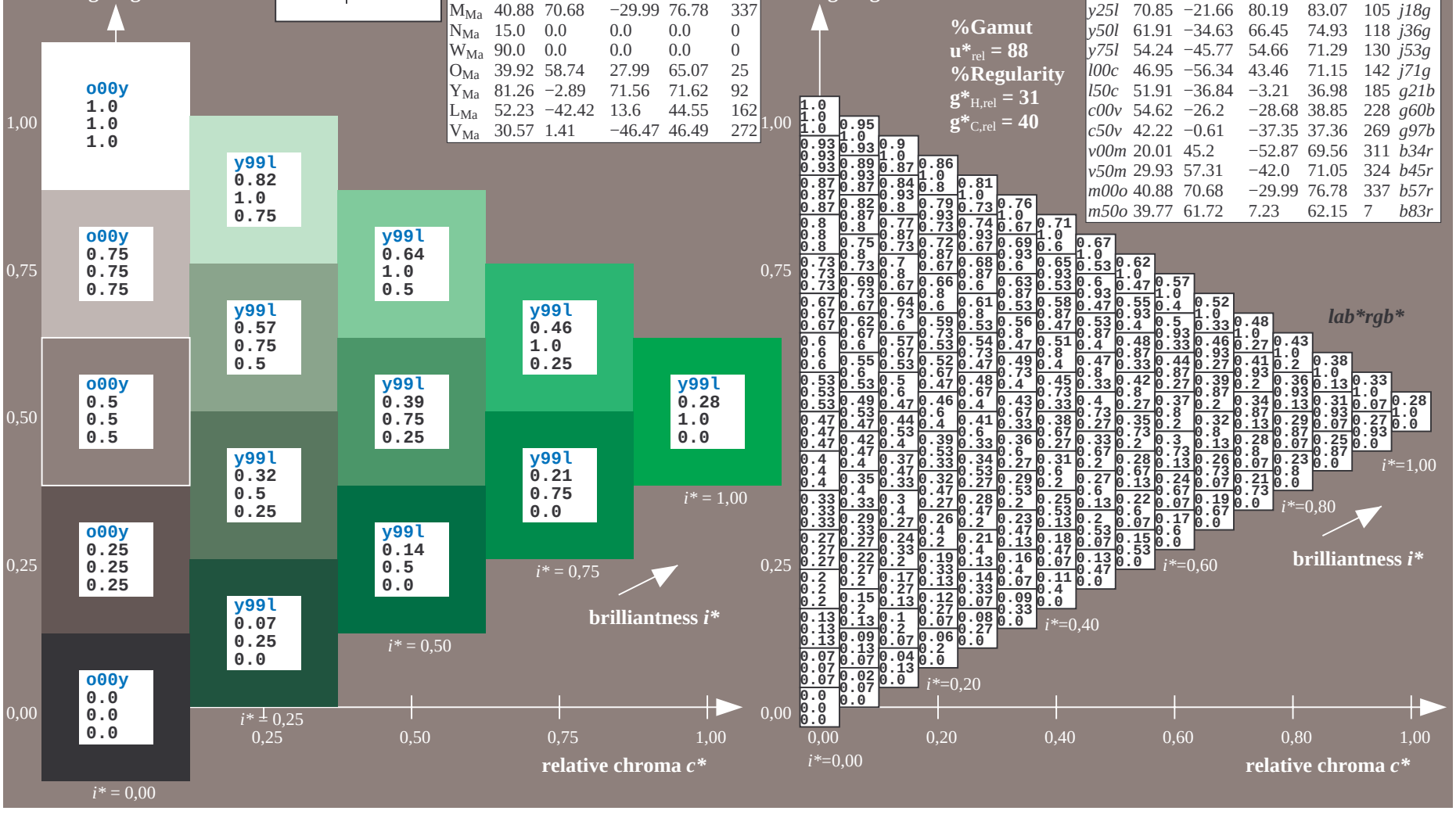
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −56 43
*LAB*LCH**$_{Ma}$: 47 71 142
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

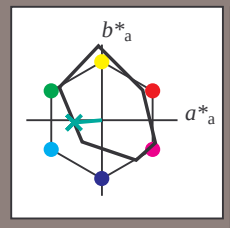
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

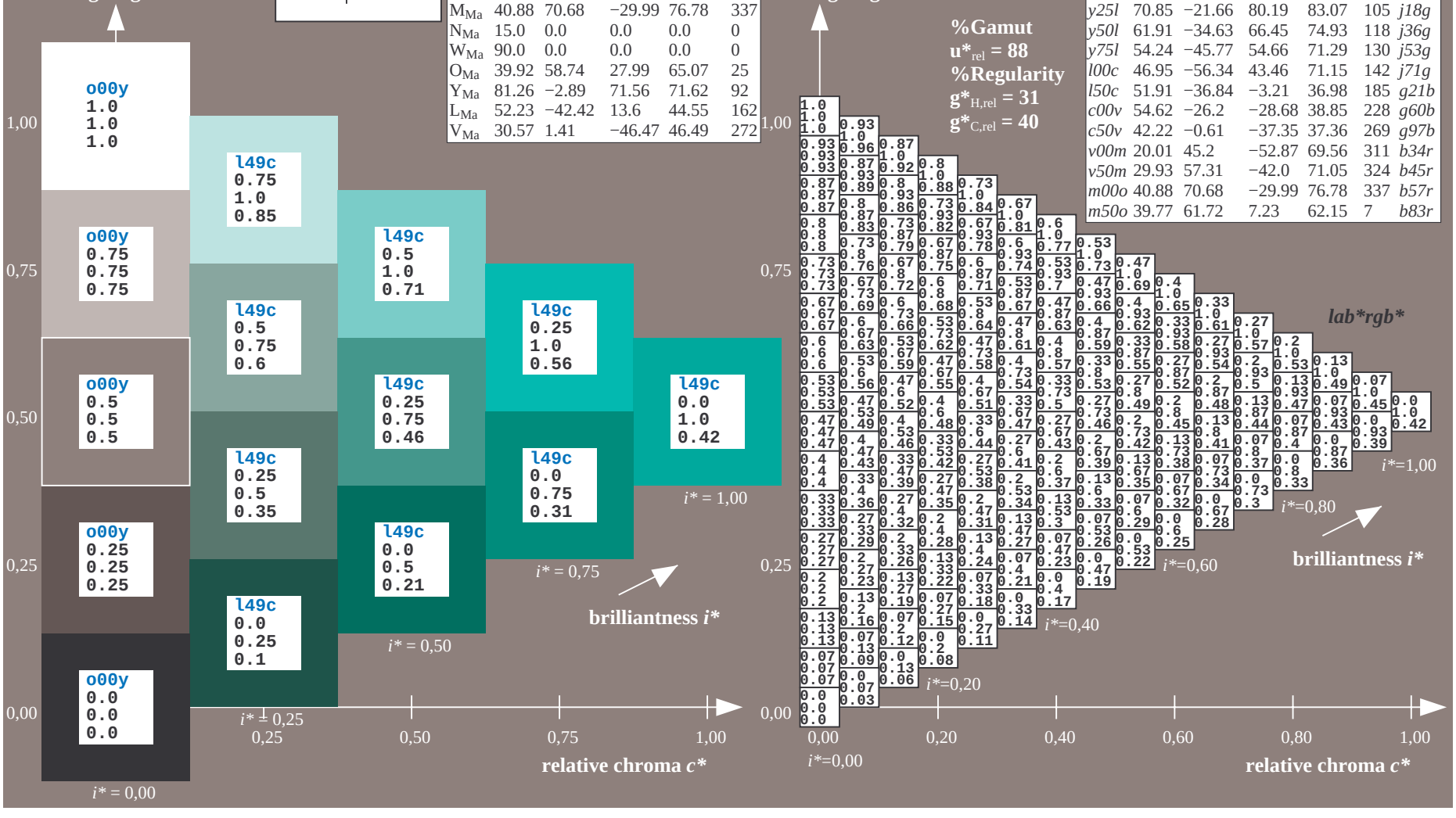
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 52 −37 −3
*LAB*LCH**$_{Ma}$: 52 37 184
*lab*olv**$_{Ma}$: 0.0 1.0 0.5
*lab*rgb**$_{Ma}$: 0.0 1.0 0.42
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

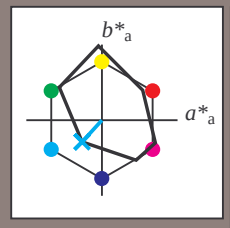
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

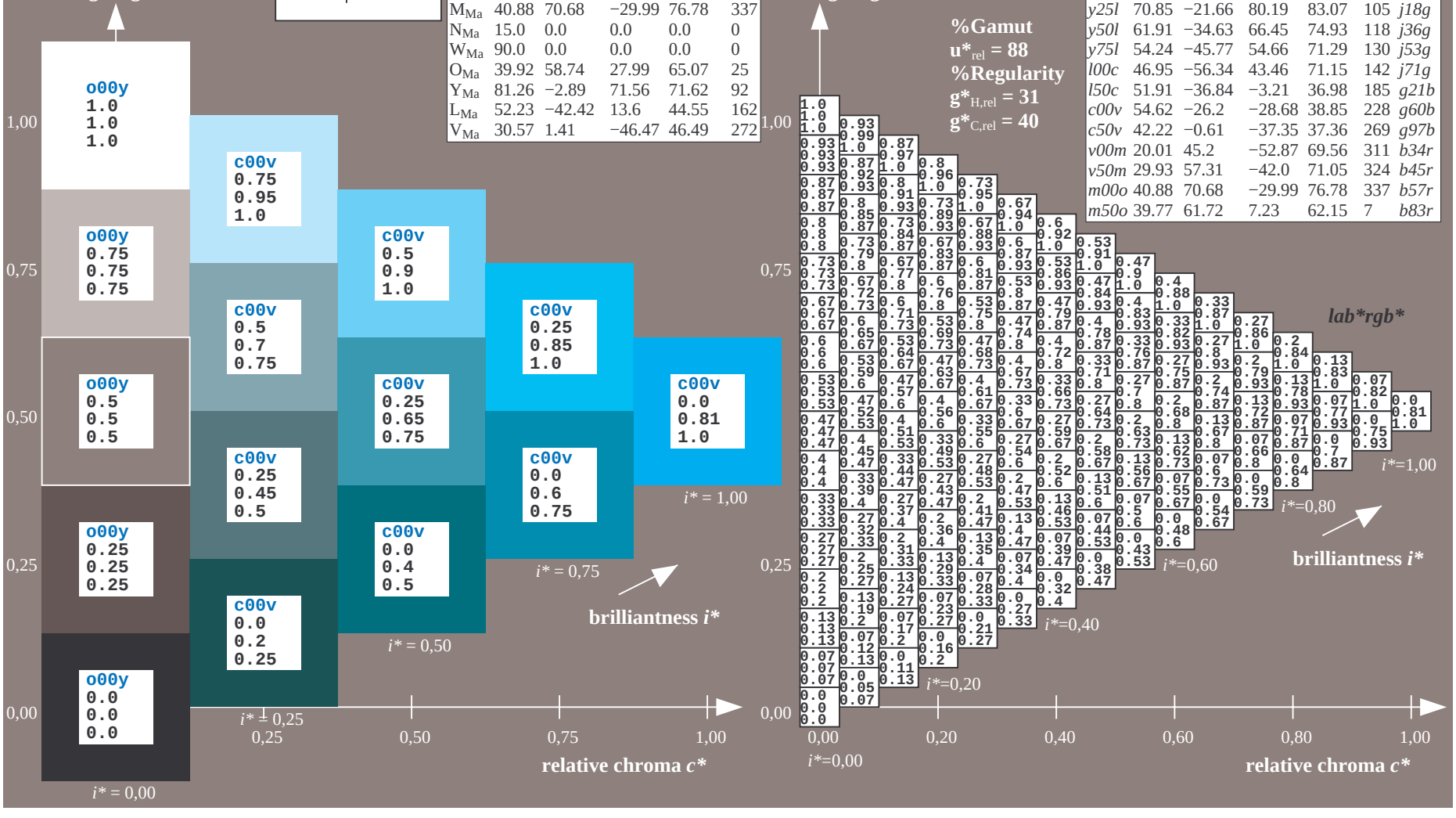
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −26 −29
*LAB*LCH**$_{Ma}$: 55 39 227
*lab*olv**$_{Ma}$: 0.0 1.0 1.0
*lab*rgb**$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
*lab*rgb**

FRS09_92aM; adapted (a) CIELAB data

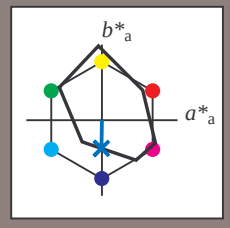
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.747**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

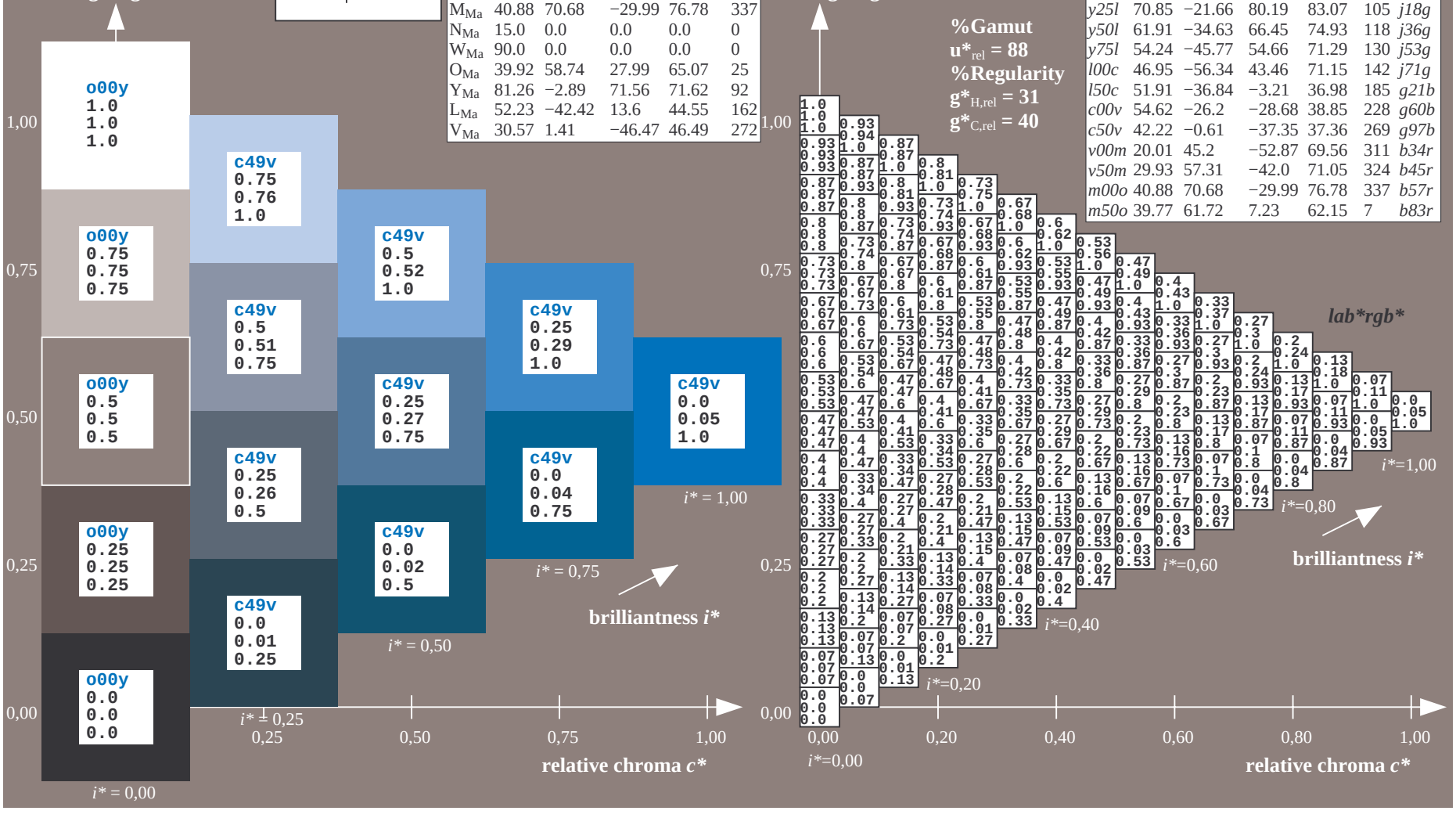
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 −1 −37
*LAB*LCH**$_{Ma}$: 42 37 269
*lab*olv**$_{Ma}$: 0.0 0.5 1.0
*lab*rgb**$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
*lab*rgb**

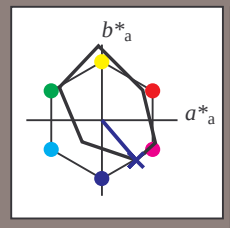
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
*u*d = v00m u*e = b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

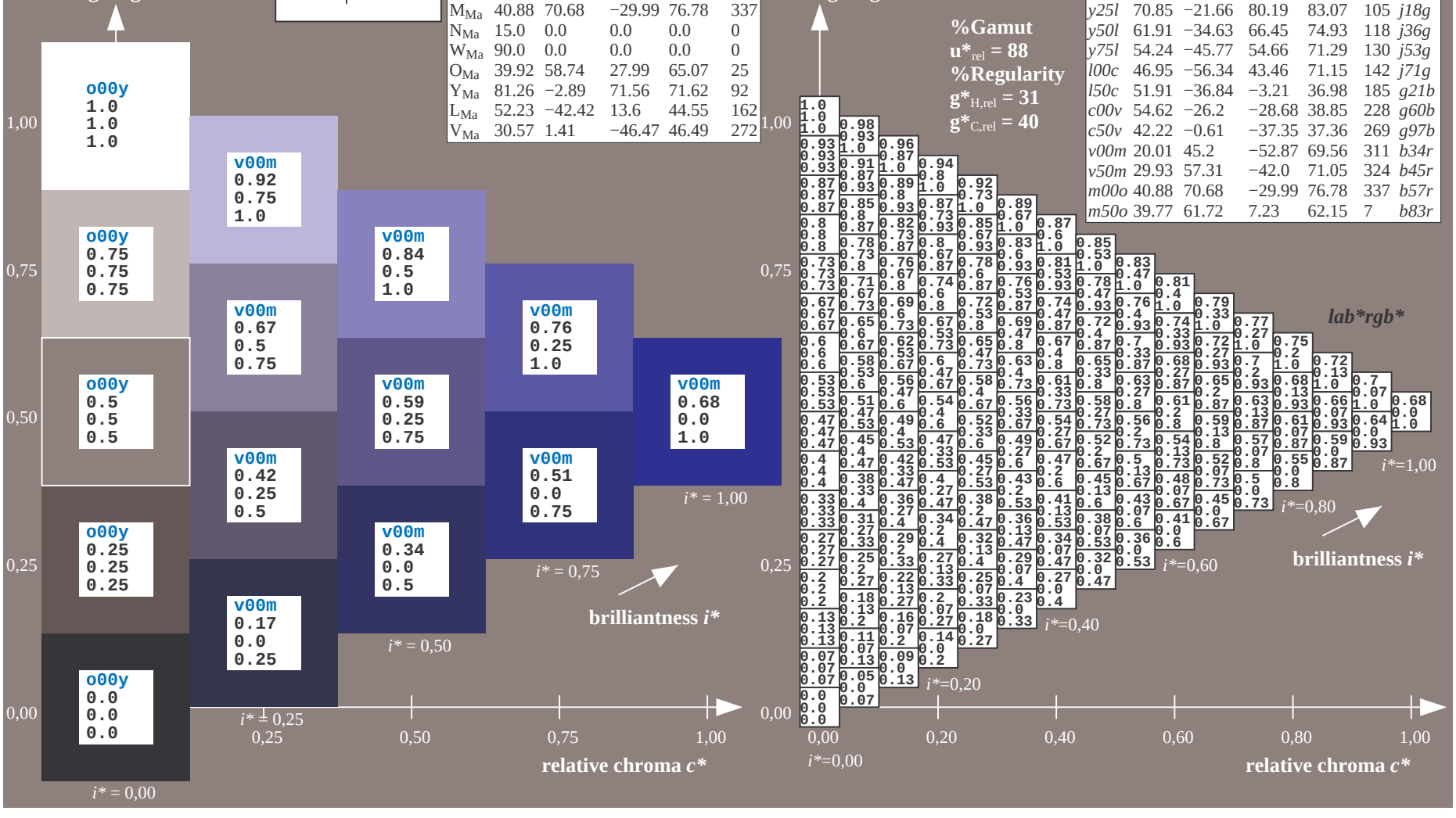
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

*u*d = v00m*
*lab*rgb**

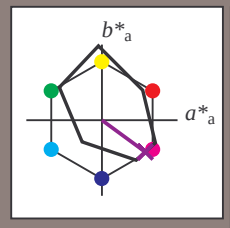
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

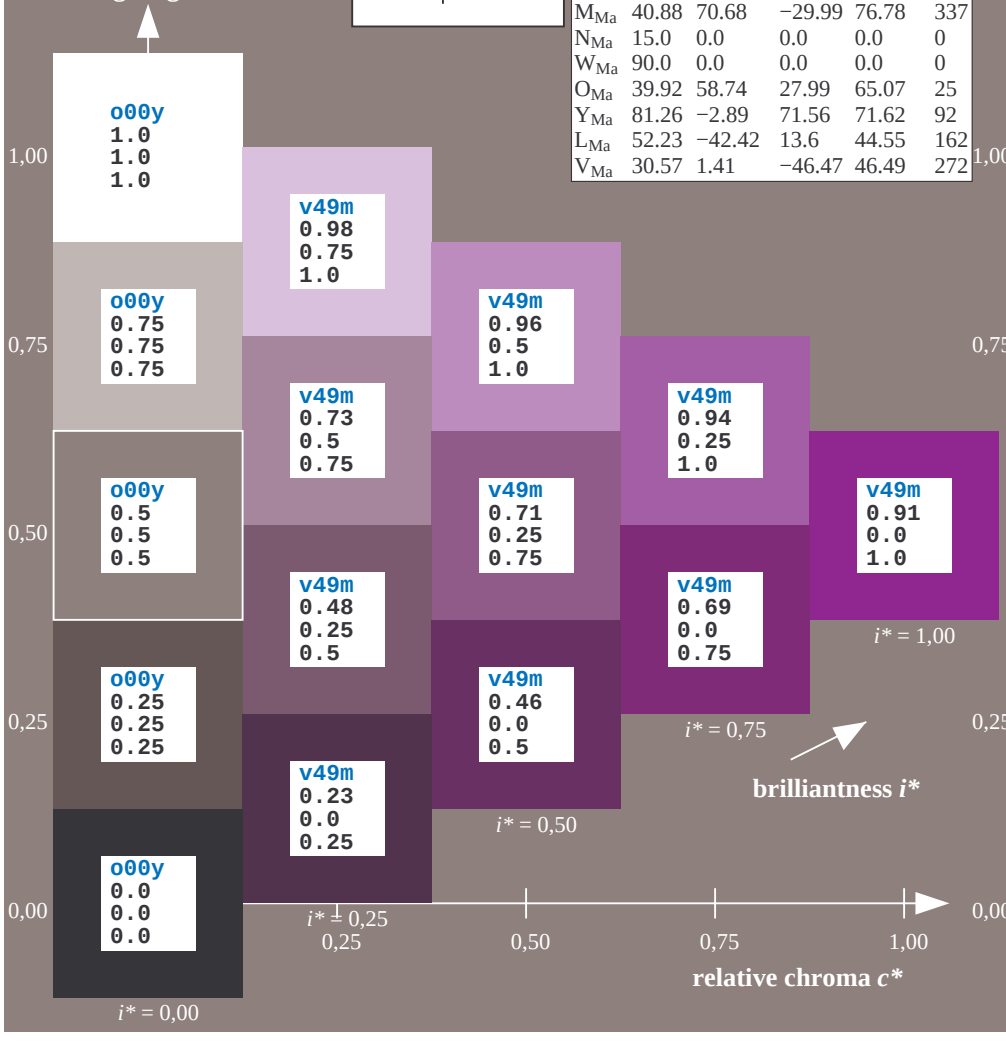
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

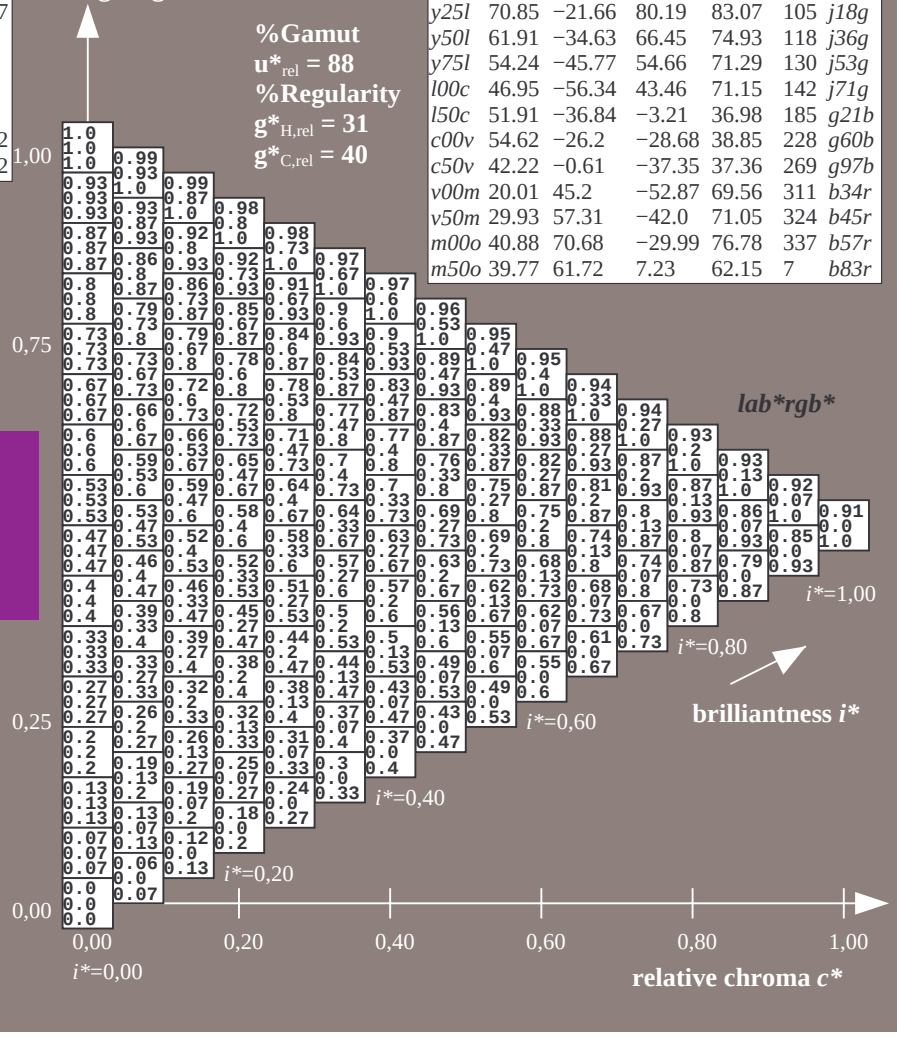
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v50m*
*lab*rgb**

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

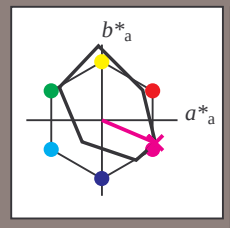




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

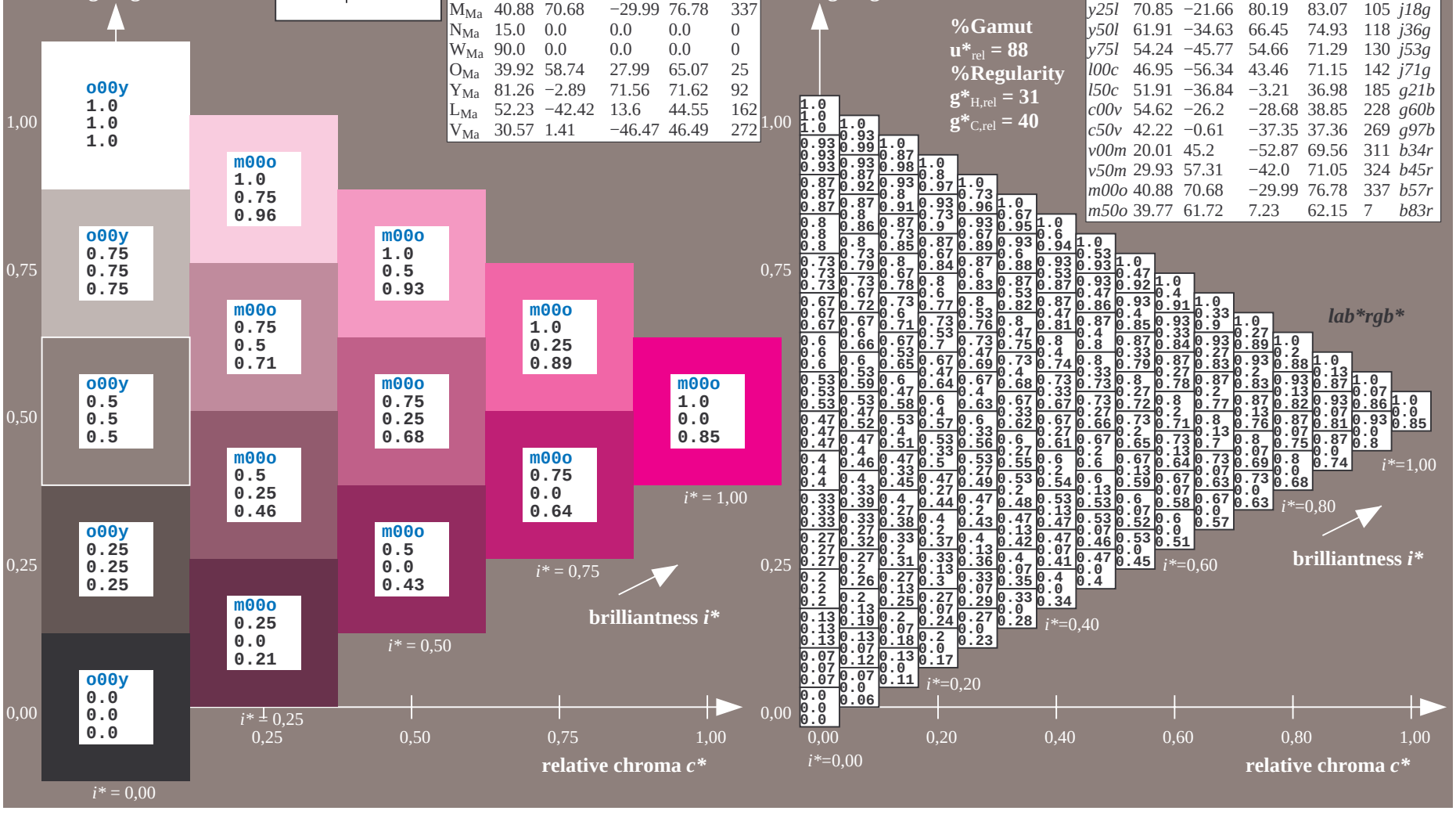
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 41 71 −30**
LAB*LCH*$_{Ma}$**: 41 77 337**
lab*olv*$_{Ma}$**: 1.0 0.0 1.0**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.85**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

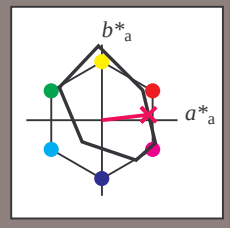
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

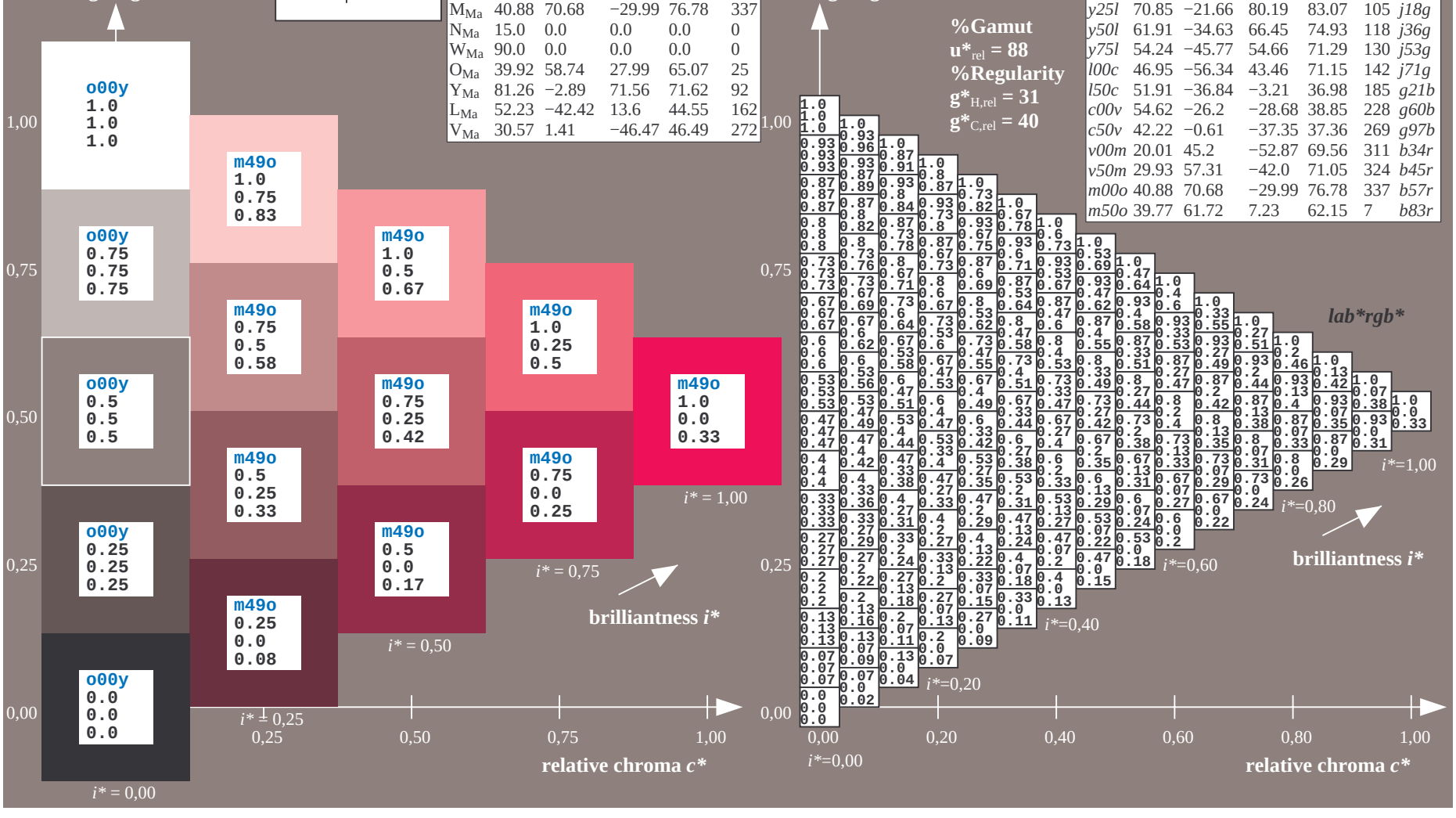
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



	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	0.03 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 0.42 0.75	0.0 0.6 0.75	0.0 0.88 0.85	0.0 1.0 0.8	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 0.71 0.88	0.0 1.0 1.0	0.66 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 0.97
09	0.68 0.0 1.0	0.5 0.0 1.0	0.32 0.0 1.0	0.14 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 0.81 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	0.52 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 0.03	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	0.61 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 0.48	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 0.44	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	0.69 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	0.73 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 0.14 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 0.28	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 0.22	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 0.35	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 0.48	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 0.69	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 0.8	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 0.76	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	0.98 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 0.98	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	0.36 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	0.28 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 0.67 1.0	0.25 0.85 1.0	0.0 0.81 1.0	0.0 0.71 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 0.73	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	0.94 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 0.8 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 0.94	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 0.53	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 0.69	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 0.76	0.75 0.13 0.66	0.63 0.13 0.55	0.5 0.13 0.44	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 0.94	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 0.81 1.0	0.68 0.0 1.0	1.0 0.0 0.85

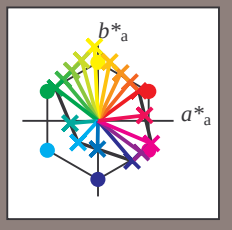
See for similar files: http://www.ps.bam.de/Ee63/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee63/10L/L63E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

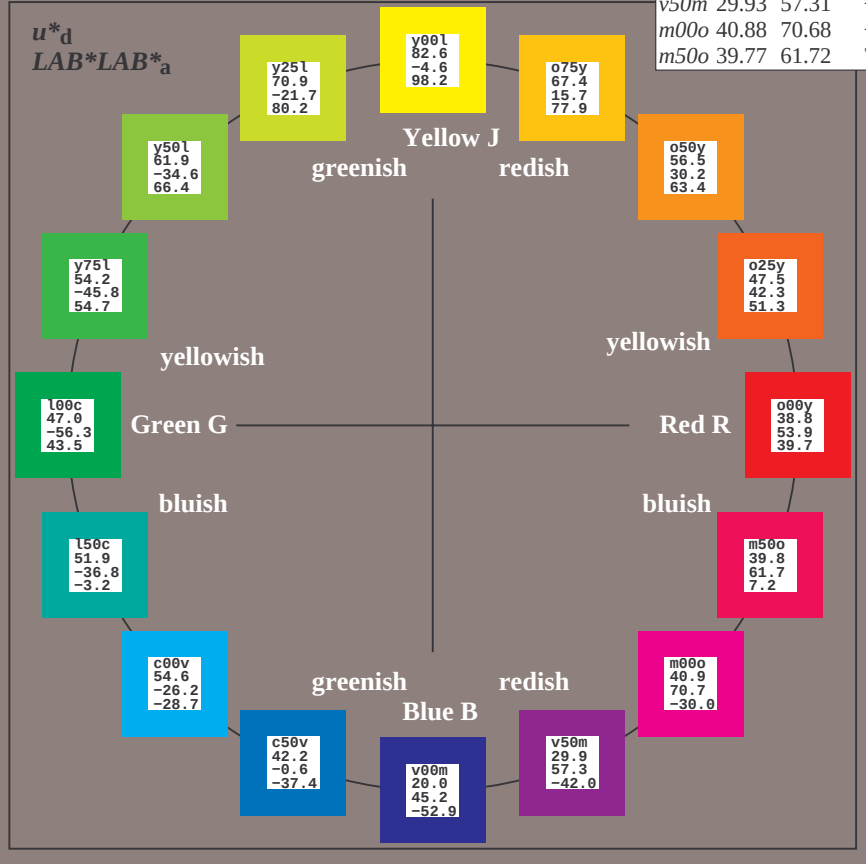
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

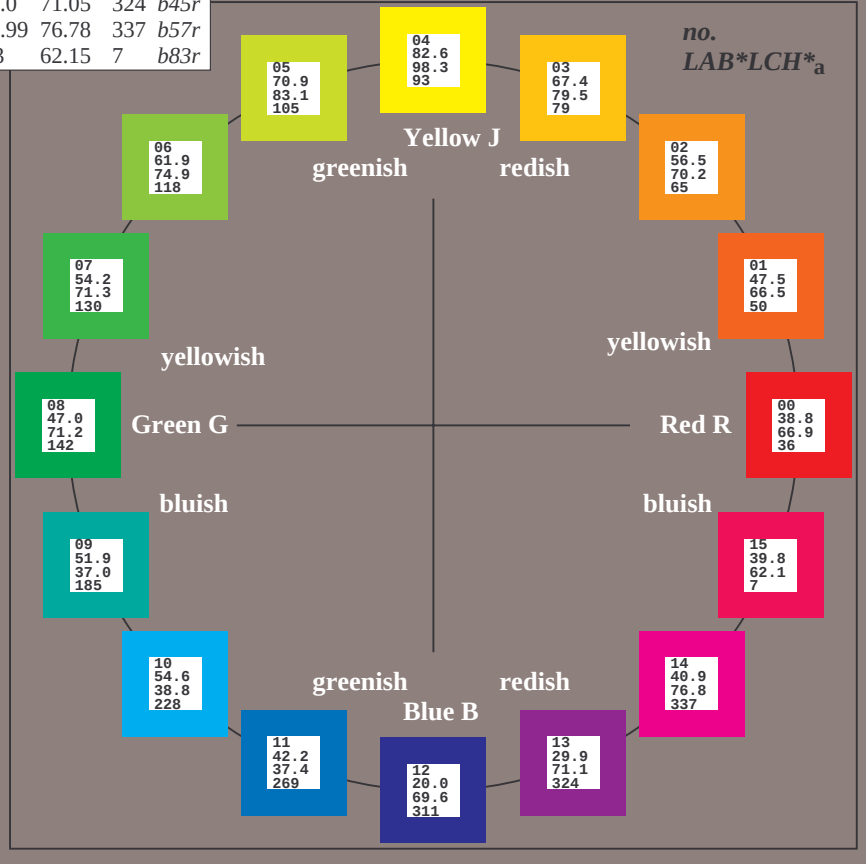


%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

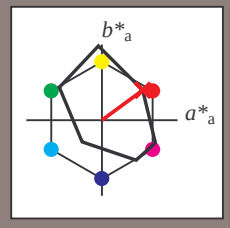
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

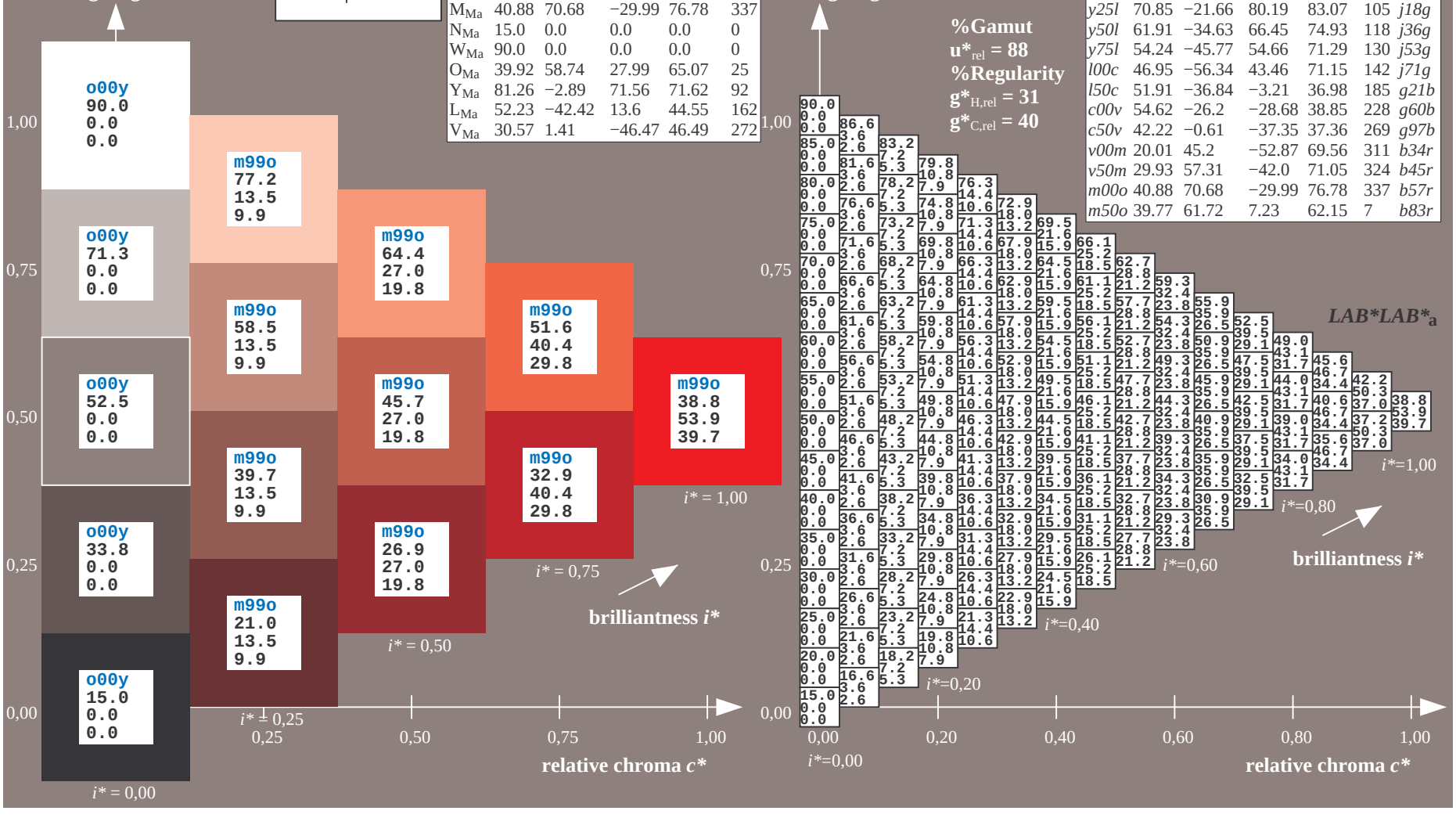
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*LAB*LAB**$_a$

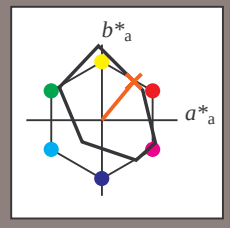
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

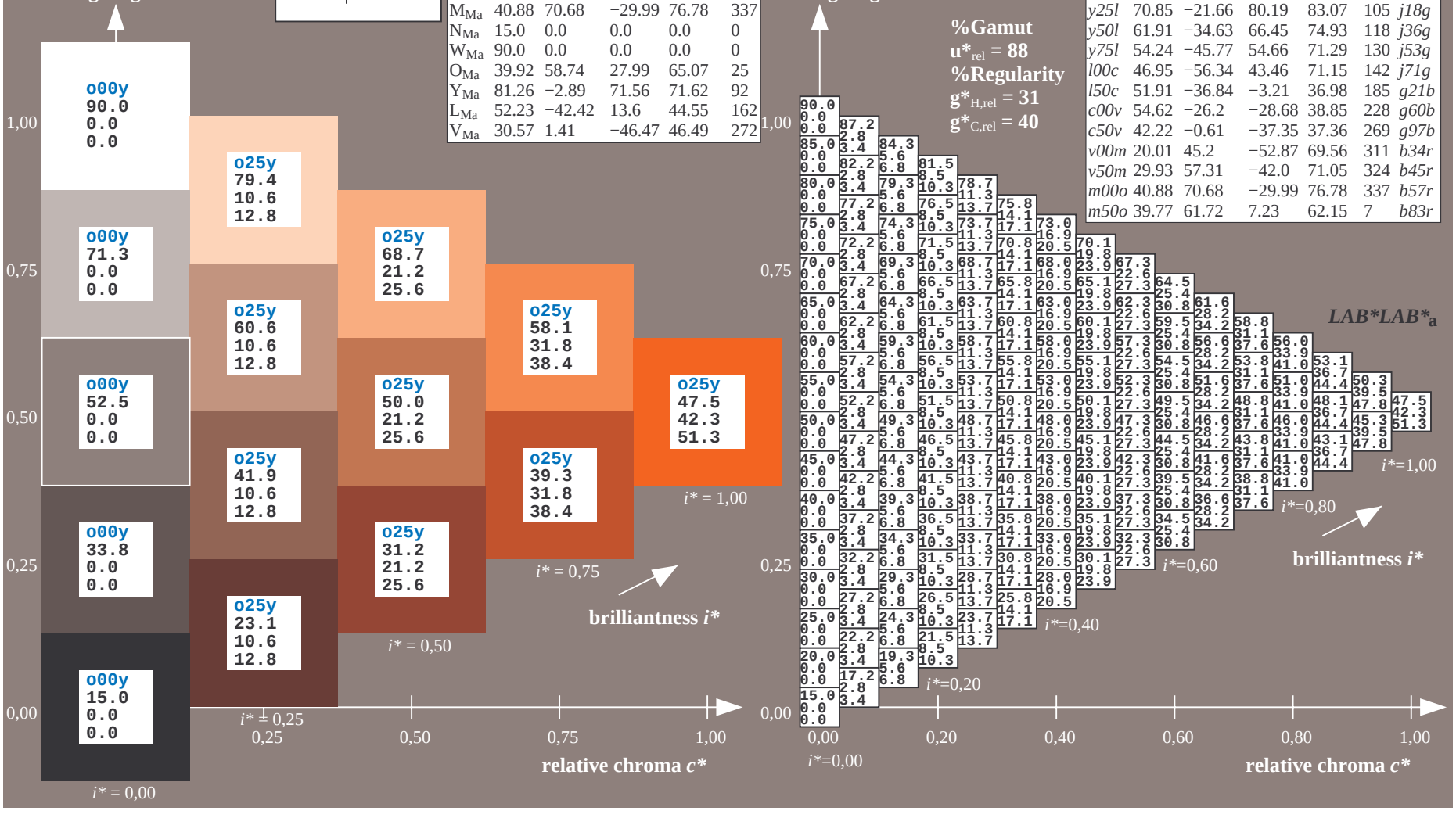
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*LAB*LAB**$_a$

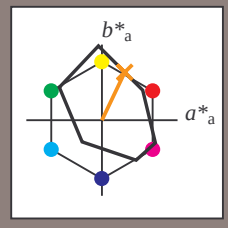
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

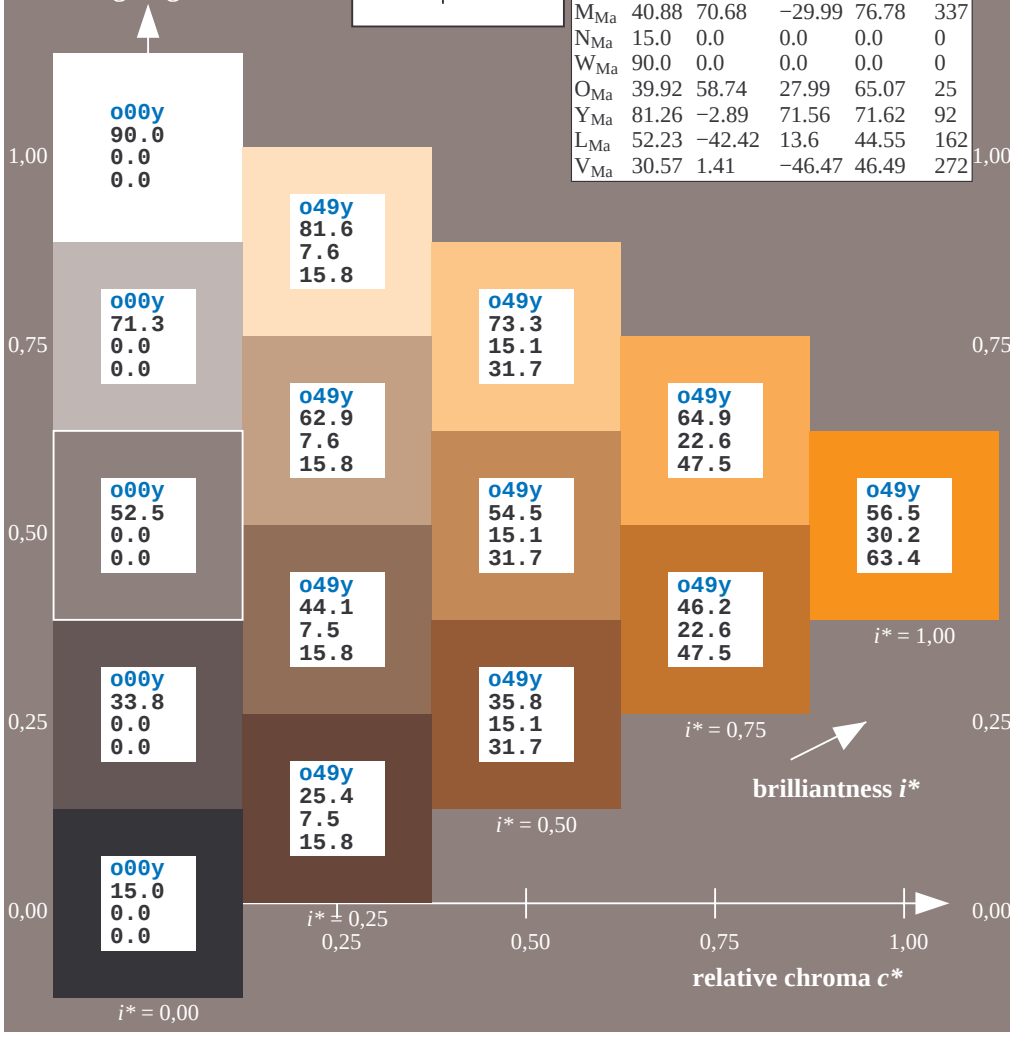
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

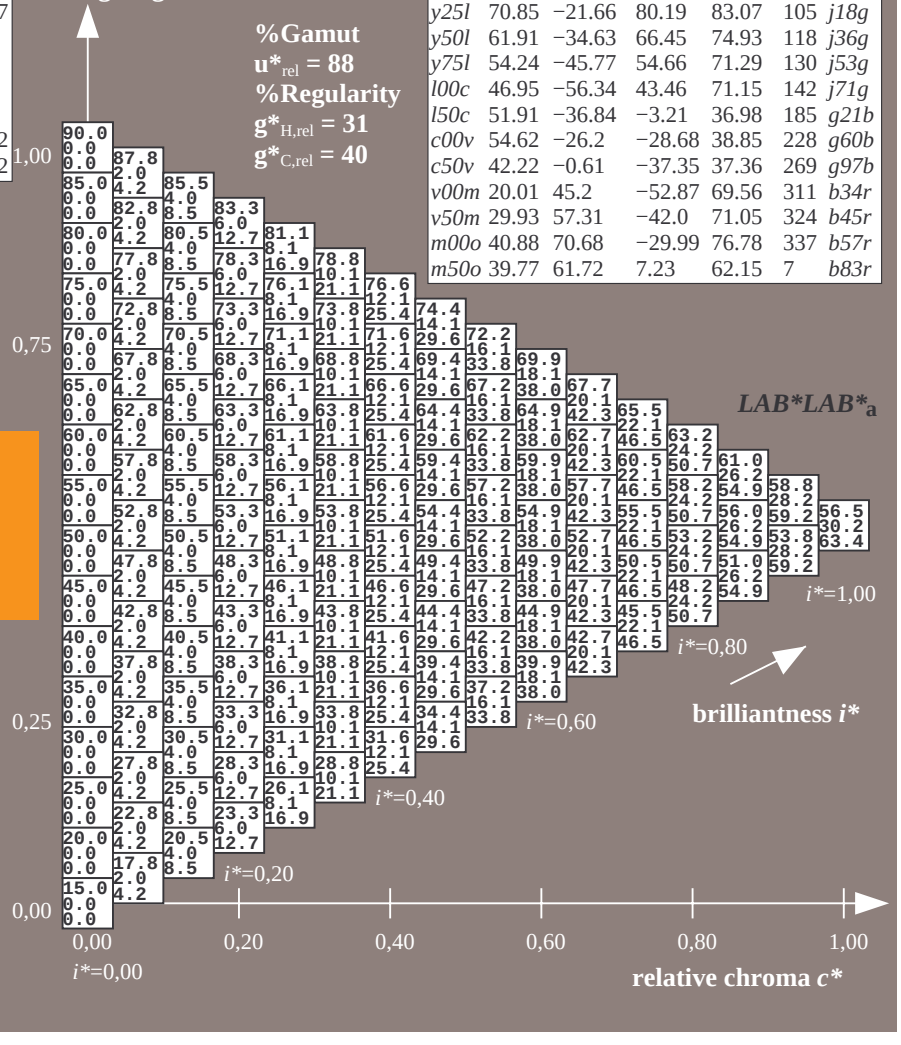
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
*LAB*LAB**$_a$

FRS09_92aM; adapted (a) CIELAB data

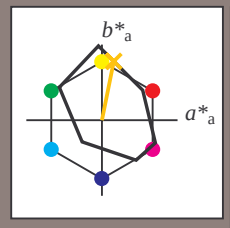
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

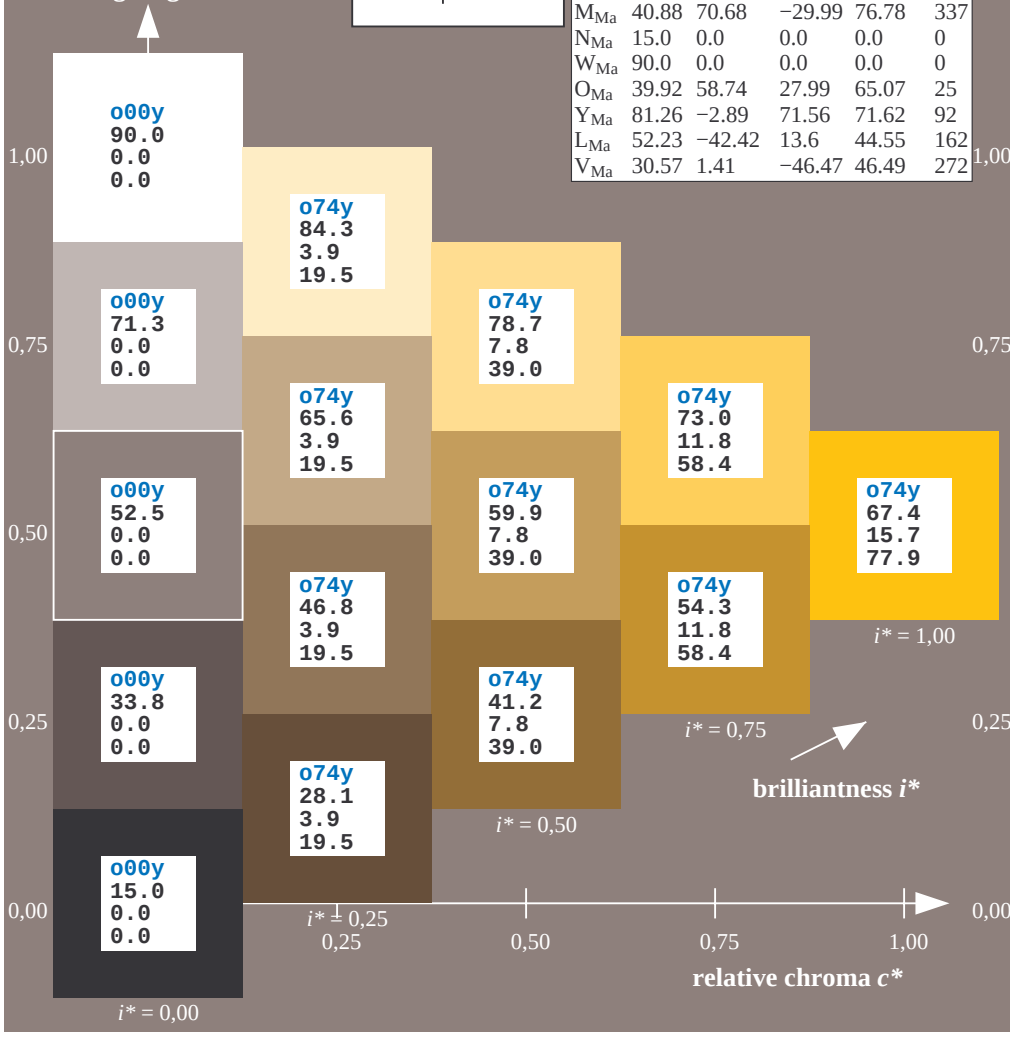
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

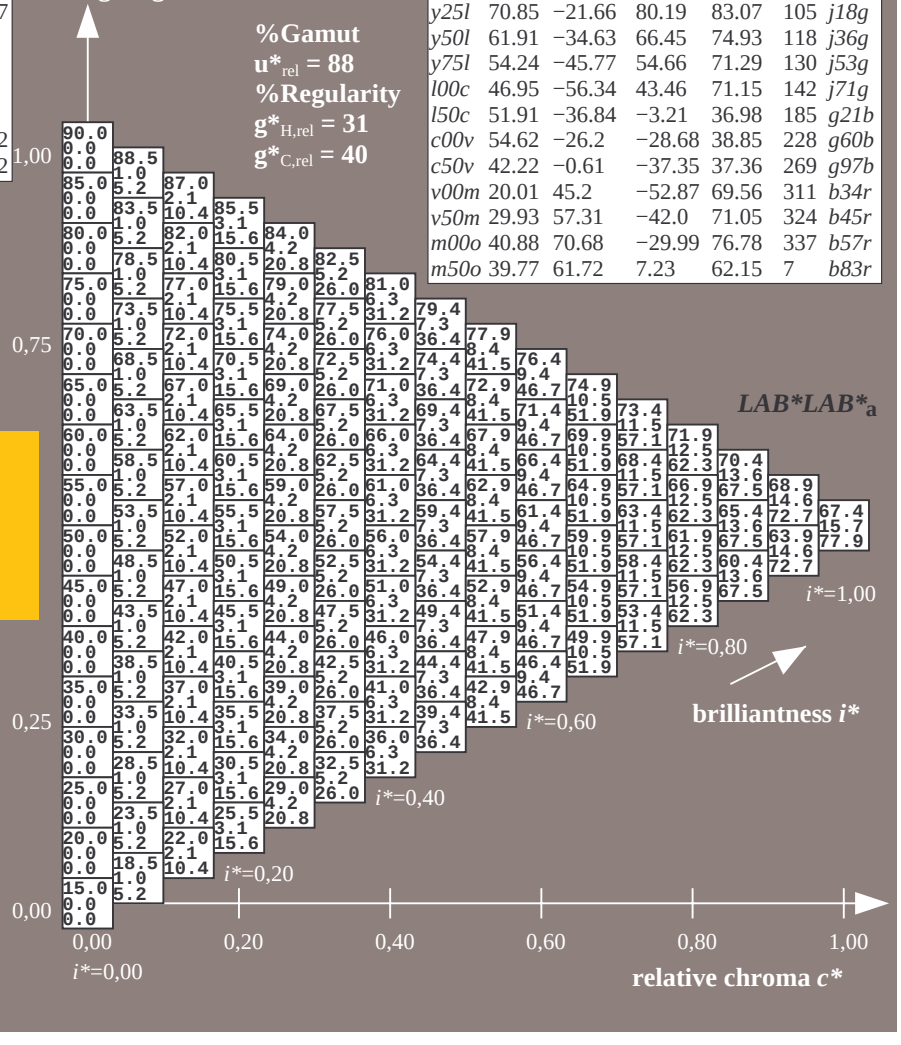
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 16 78
*LAB*LCH**$_{Ma}$: 67 79 78
*lab*olv**$_{Ma}$: 1.0 0.75 0.0
*lab*rgb**$_{Ma}$: 1.0 0.8 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

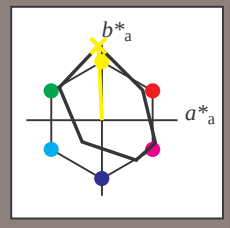




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

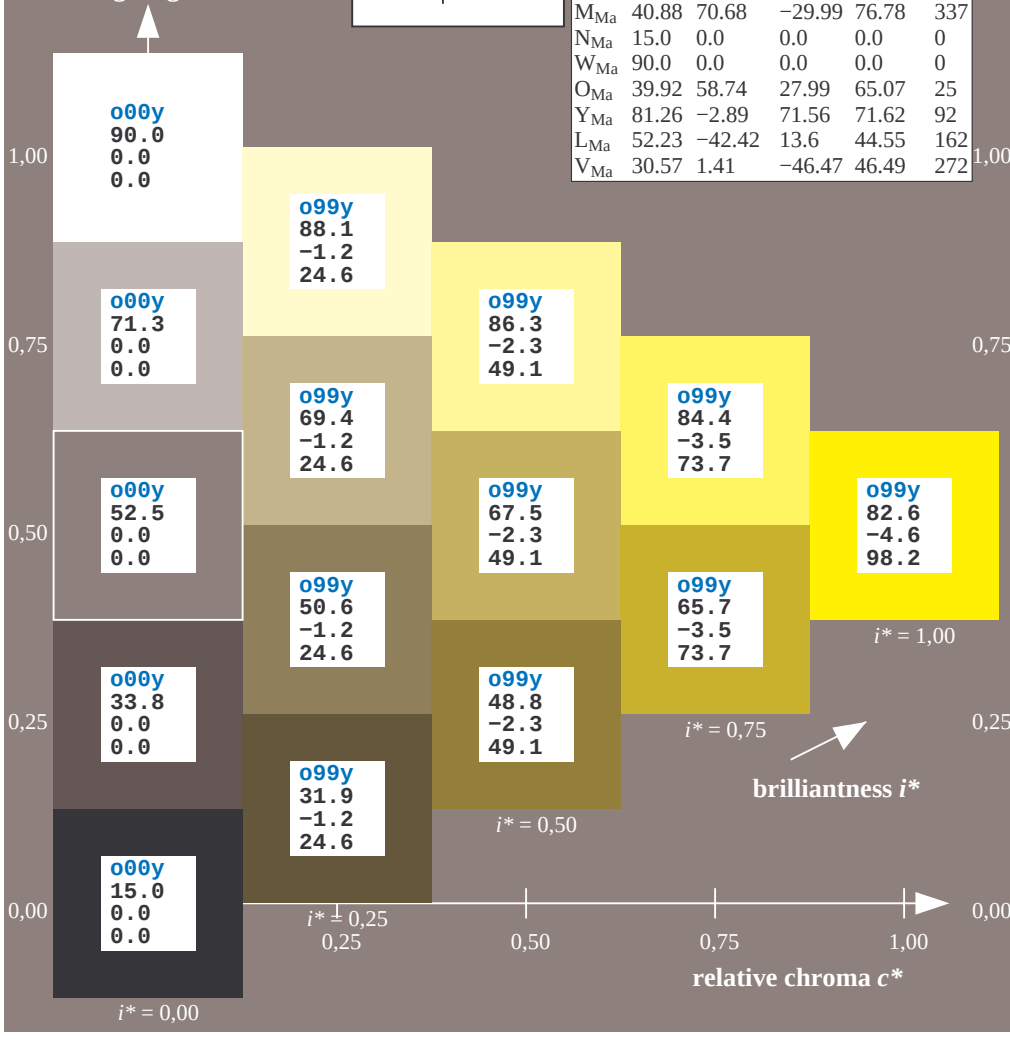
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

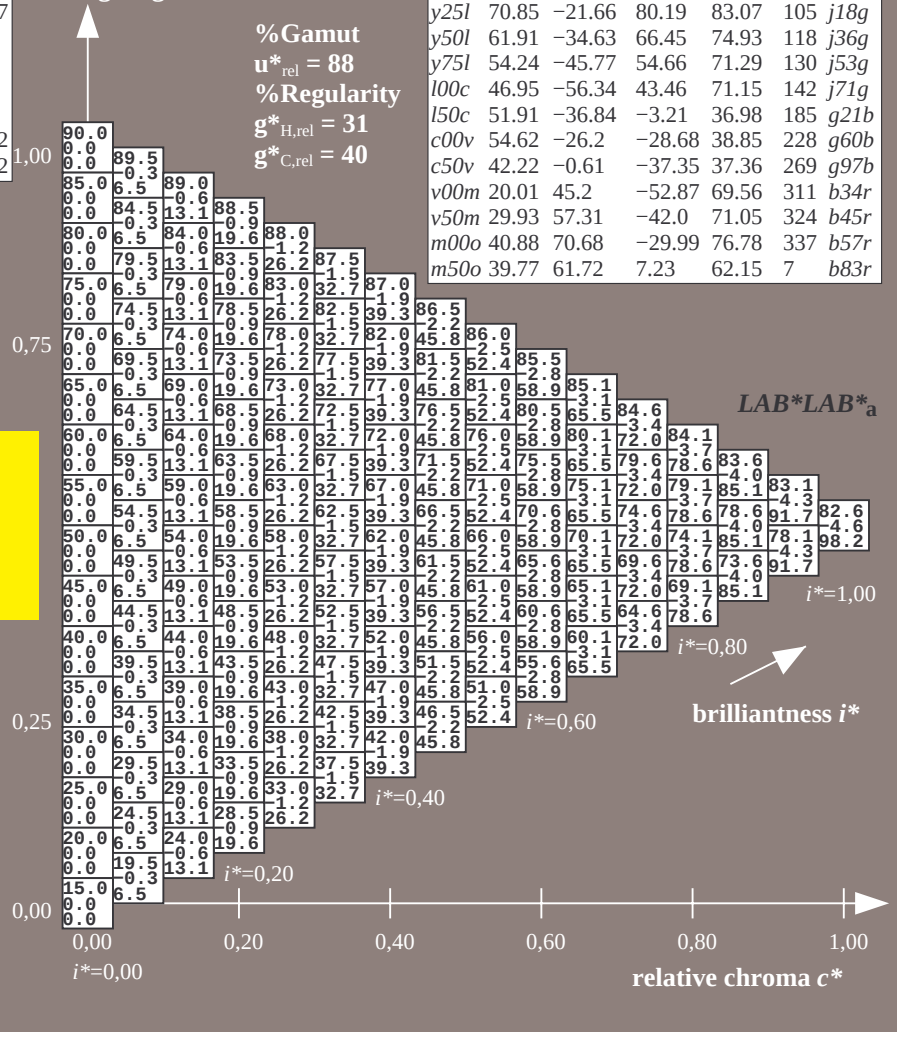
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
*LAB*LAB**$_a$

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

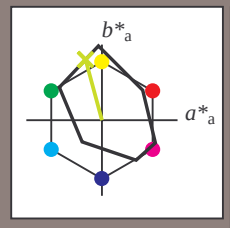




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

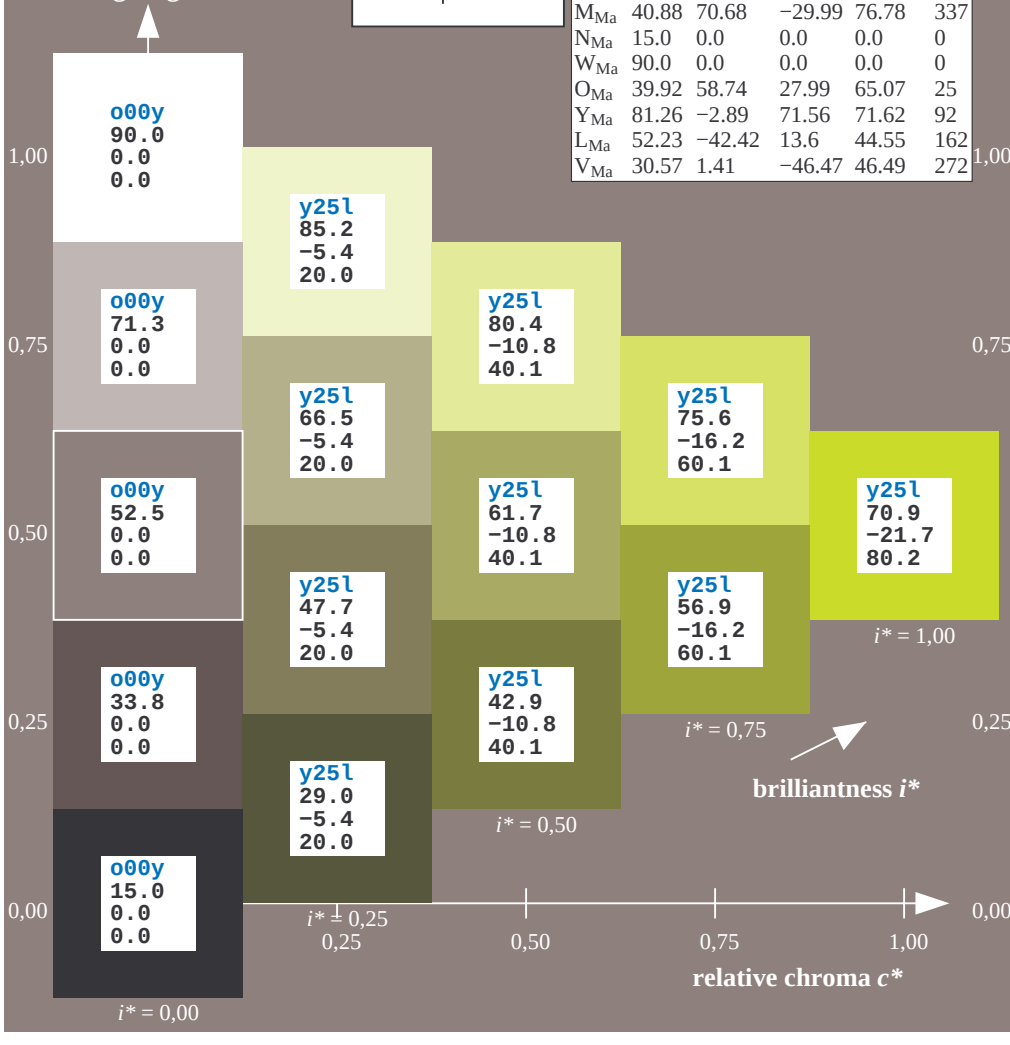
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

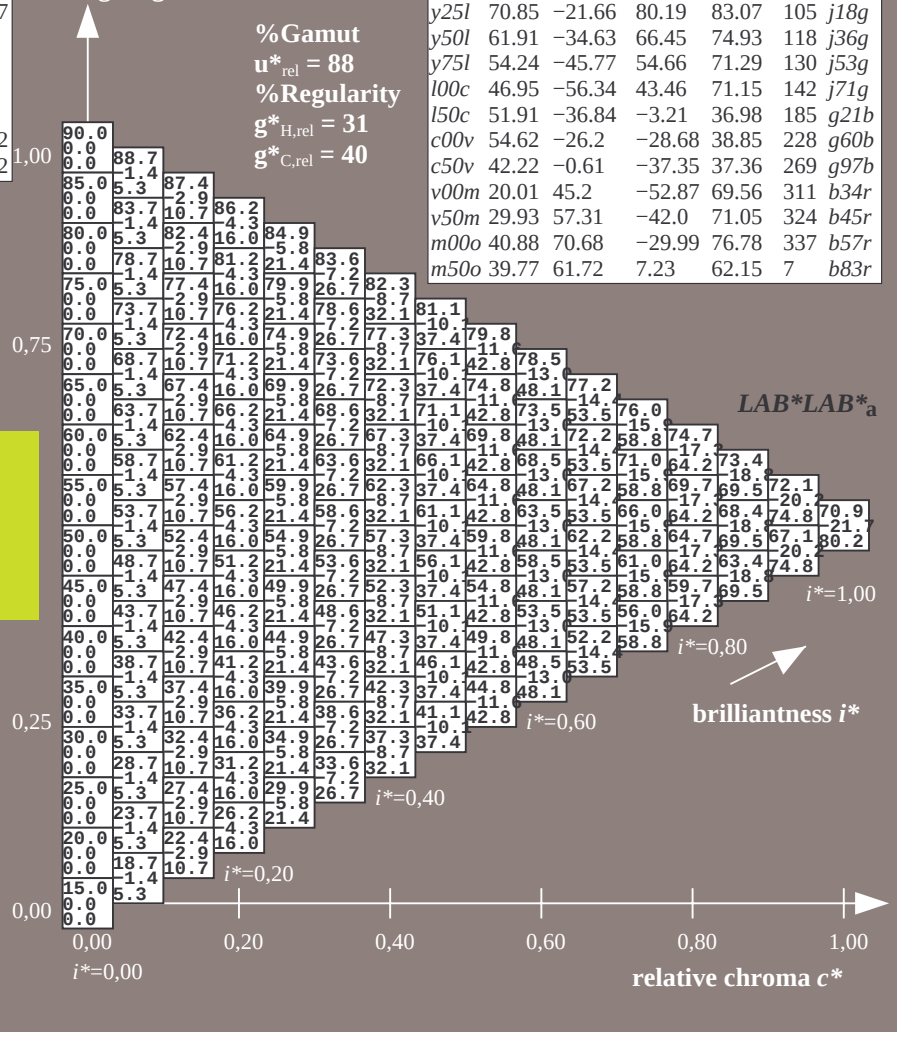
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

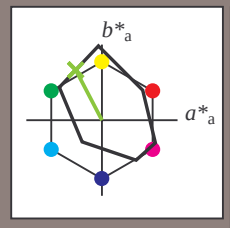
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

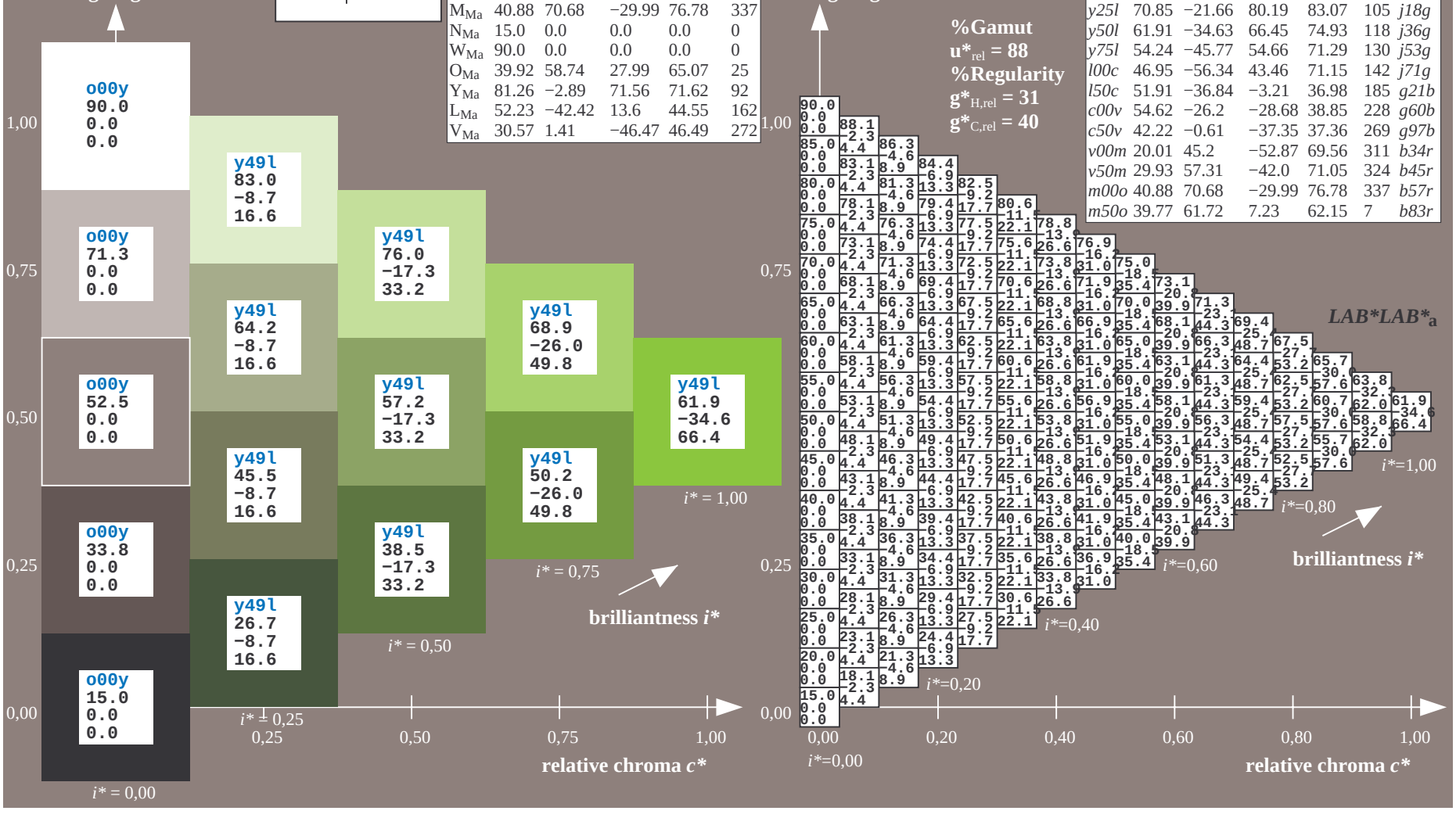
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −35 66**
LAB*LCH*$_{Ma}$**: 62 75 117**
lab*olv*$_{Ma}$**: 0.5 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.64 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y50l*
LAB*LAB*$_a$

FRS09_92aM; adapted (a) CIELAB data

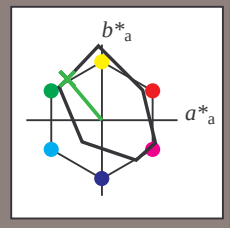
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

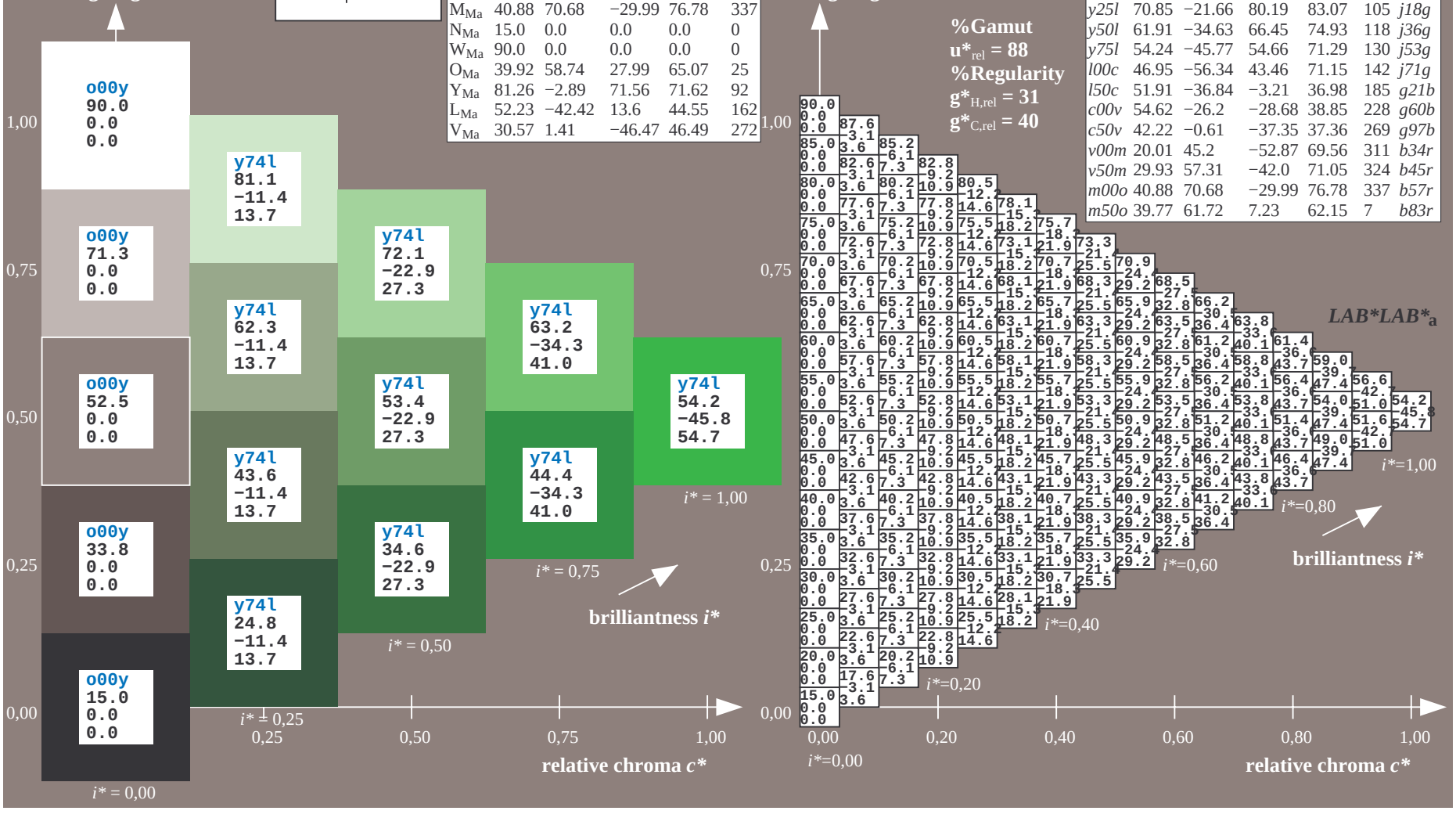
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
*LAB*LAB**$_a$

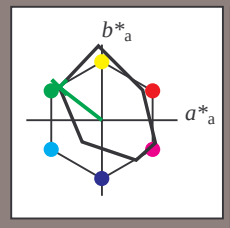
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

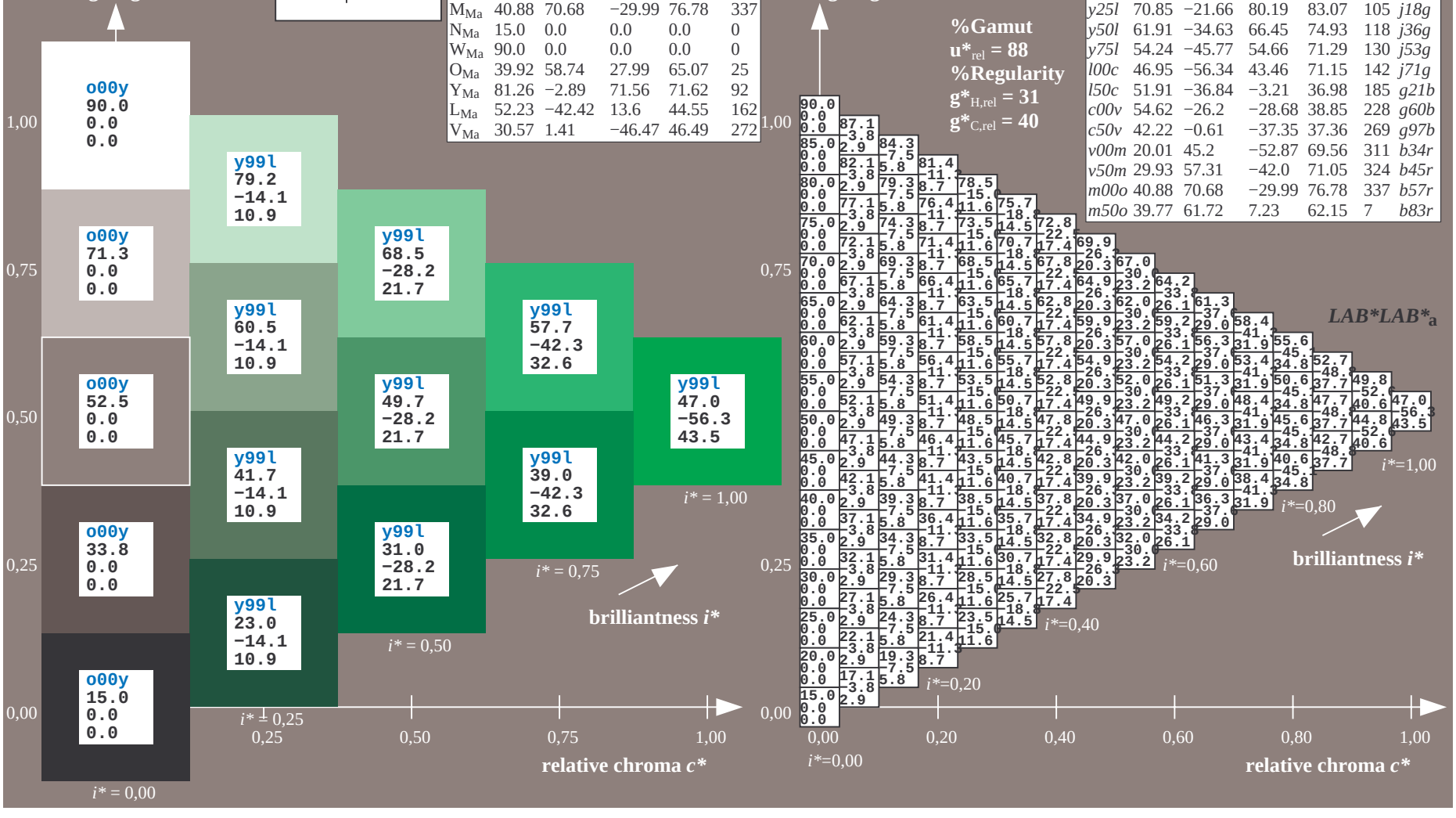
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −56 43**
LAB*LCH*$_{Ma}$**: 47 71 142**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.28 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l00c*
LAB*LAB*$^*_a$

FRS09_92aM; adapted (a) CIELAB data

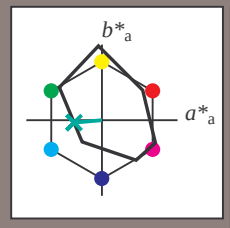
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.514**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

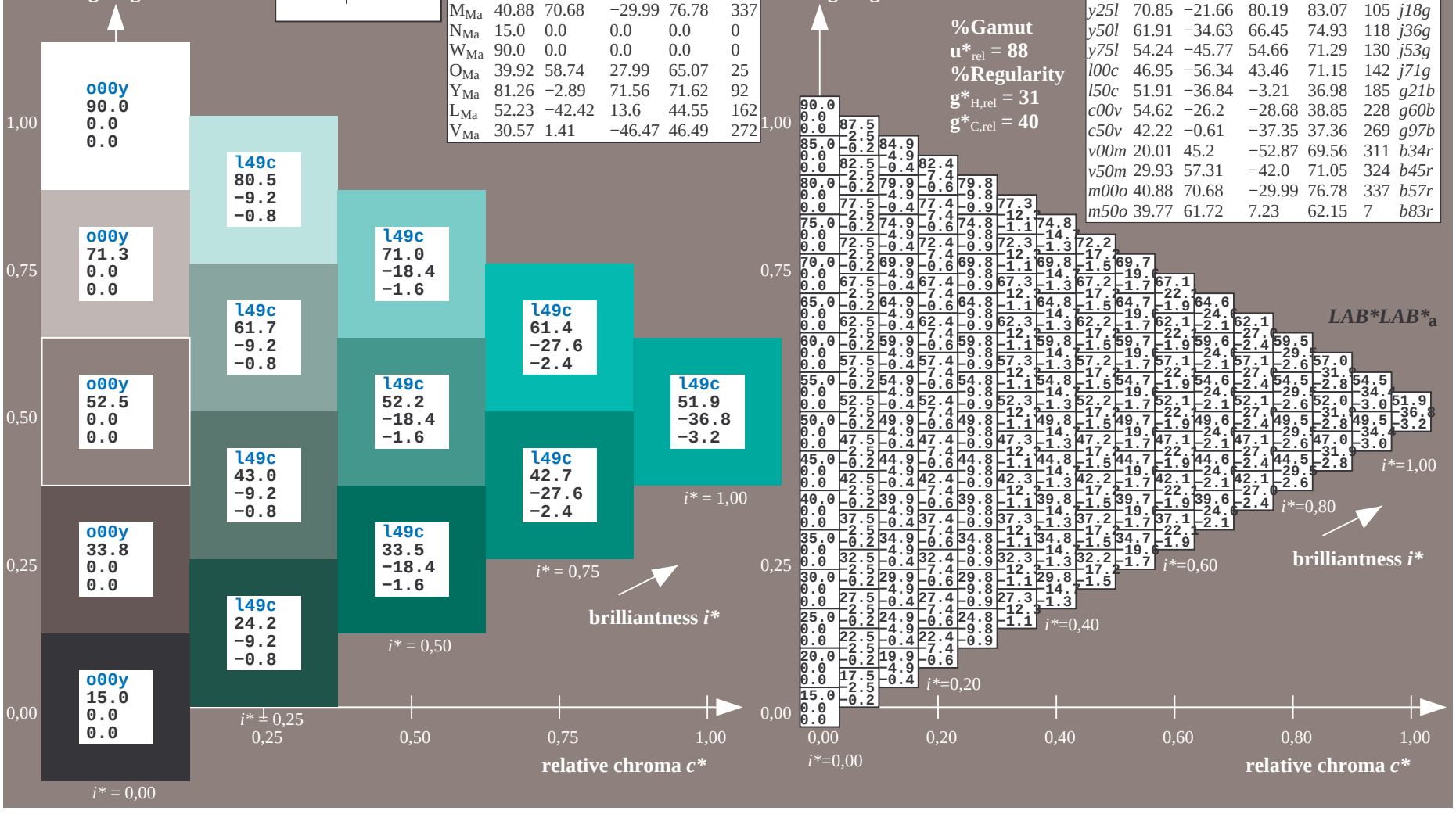
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 52 −37 −3
*LAB*LCH**$_{Ma}$: 52 37 184
*lab*olv**$_{Ma}$: 0.0 1.0 0.5
*lab*rgb**$_{Ma}$: 0.0 1.0 0.42
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

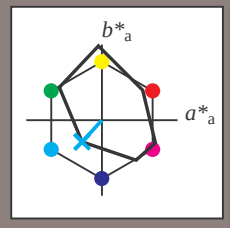
*u**$_d$ = *l50c*
*LAB*LAB**$_a$



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 = 0.632**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

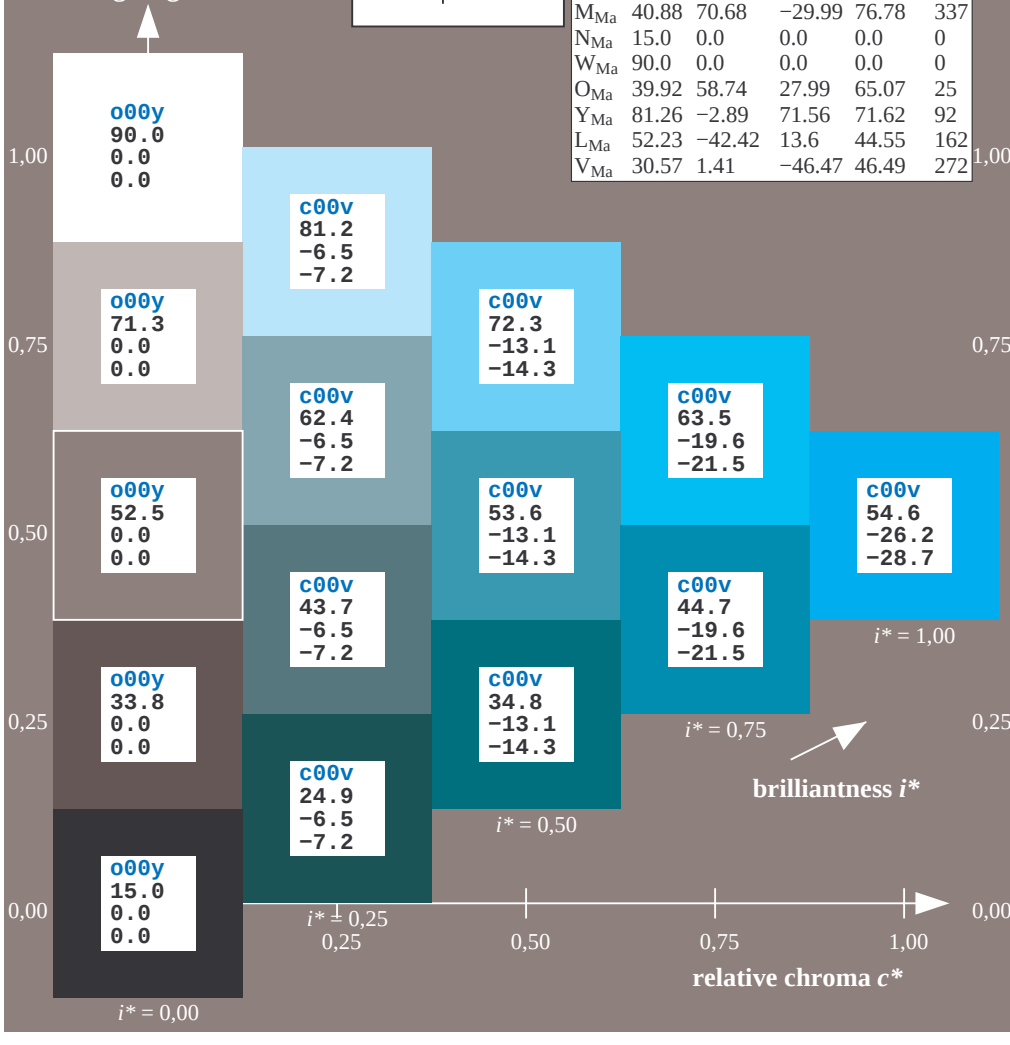
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −26 −29
*LAB*LCH**$_{Ma}$: 55 39 227
*lab*olv**$_{Ma}$: 0.0 1.0 1.0
*lab*rgb**$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

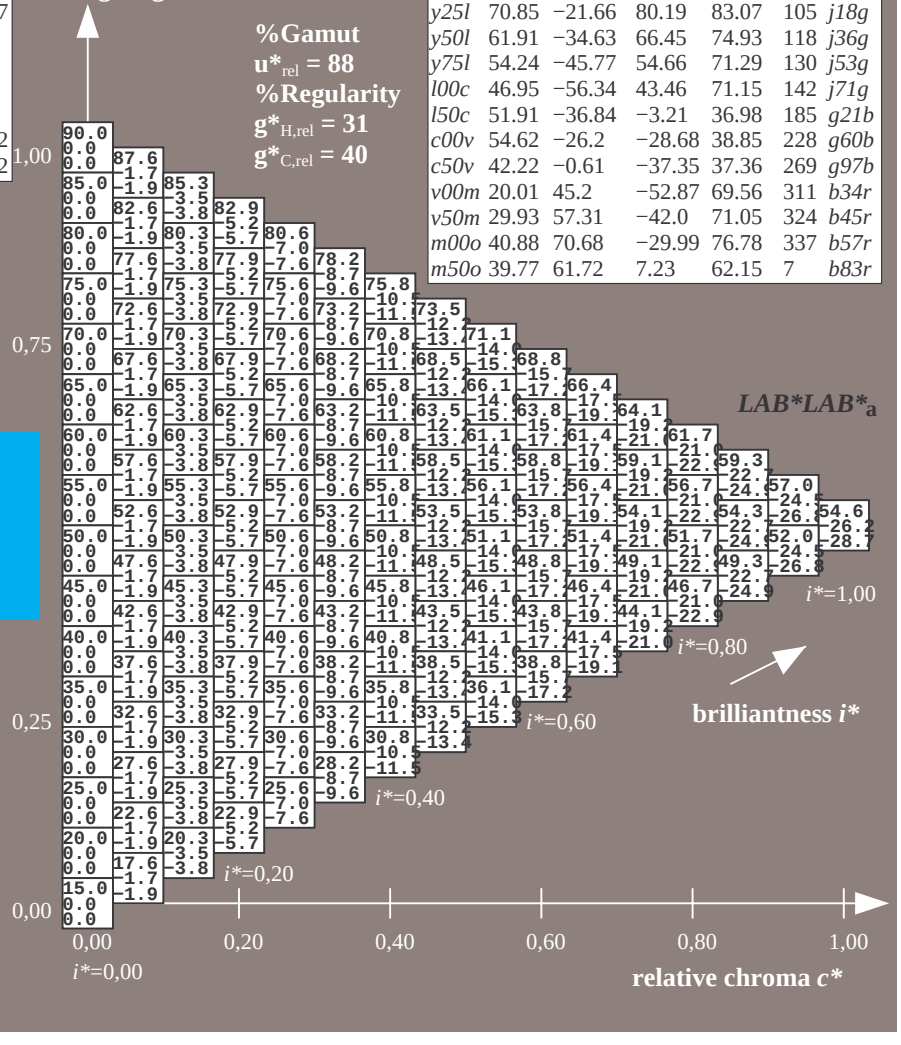
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
*LAB*LAB**$_a$

FRS09_92aM; adapted (a) CIELAB data

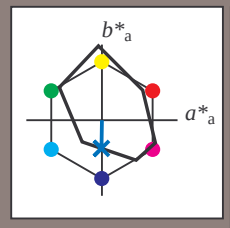
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

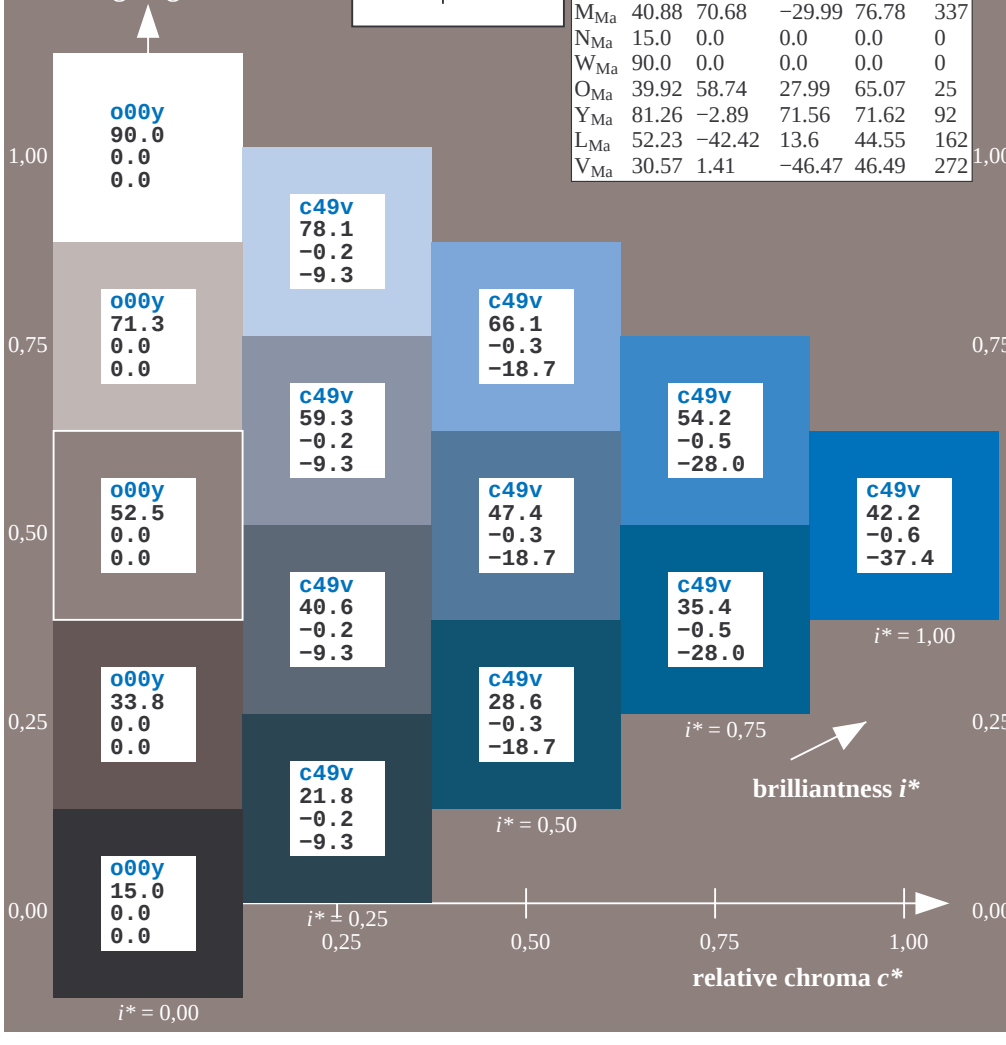
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

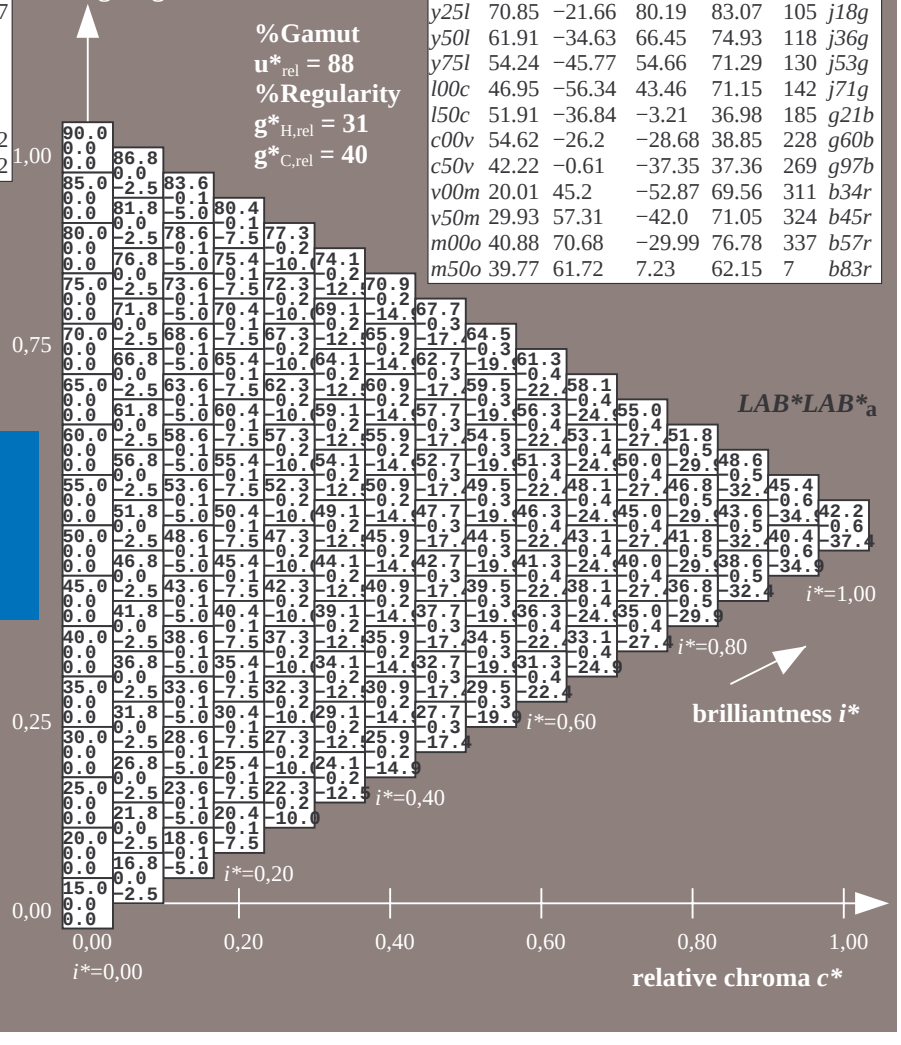
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 −1 −37
*LAB*LCH**$_{Ma}$: 42 37 269
*lab*olv**$_{Ma}$: 0.0 0.5 1.0
*lab*rgb**$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

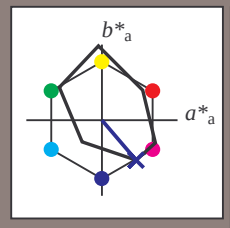




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.863$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

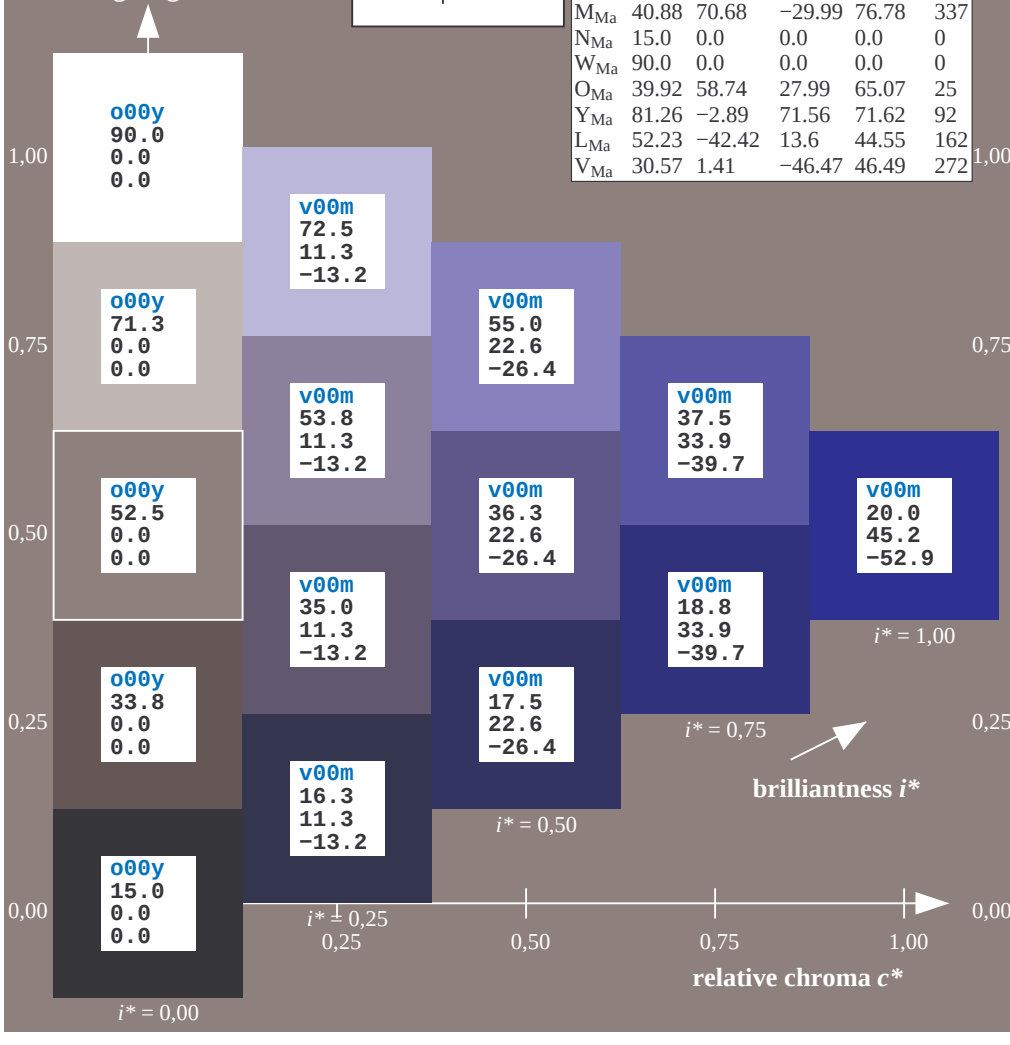
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 20 45 −53
$LAB^*LCH^*_{Ma}$: 20 70 310
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0
$lab^*rgb^*_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

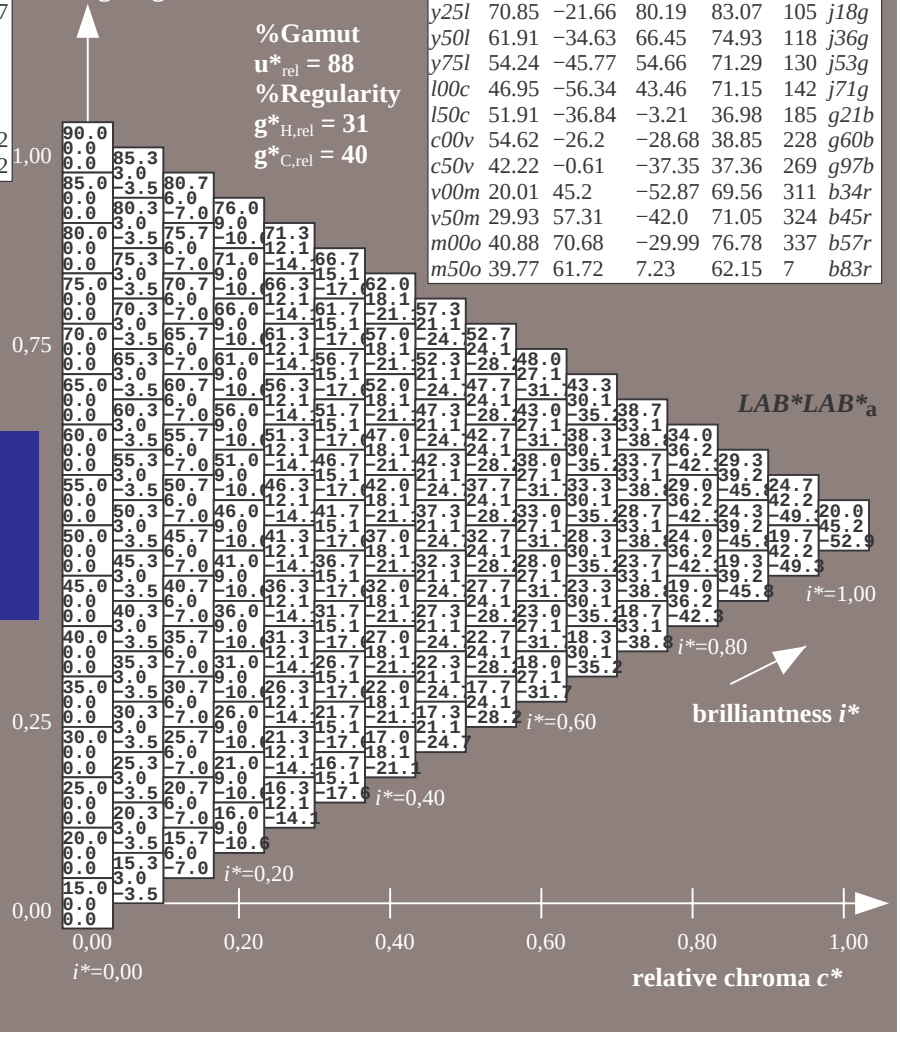
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
$LAB^*LAB^*_a$

FRS09_92aM; adapted (a) CIELAB data

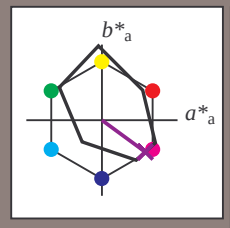
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

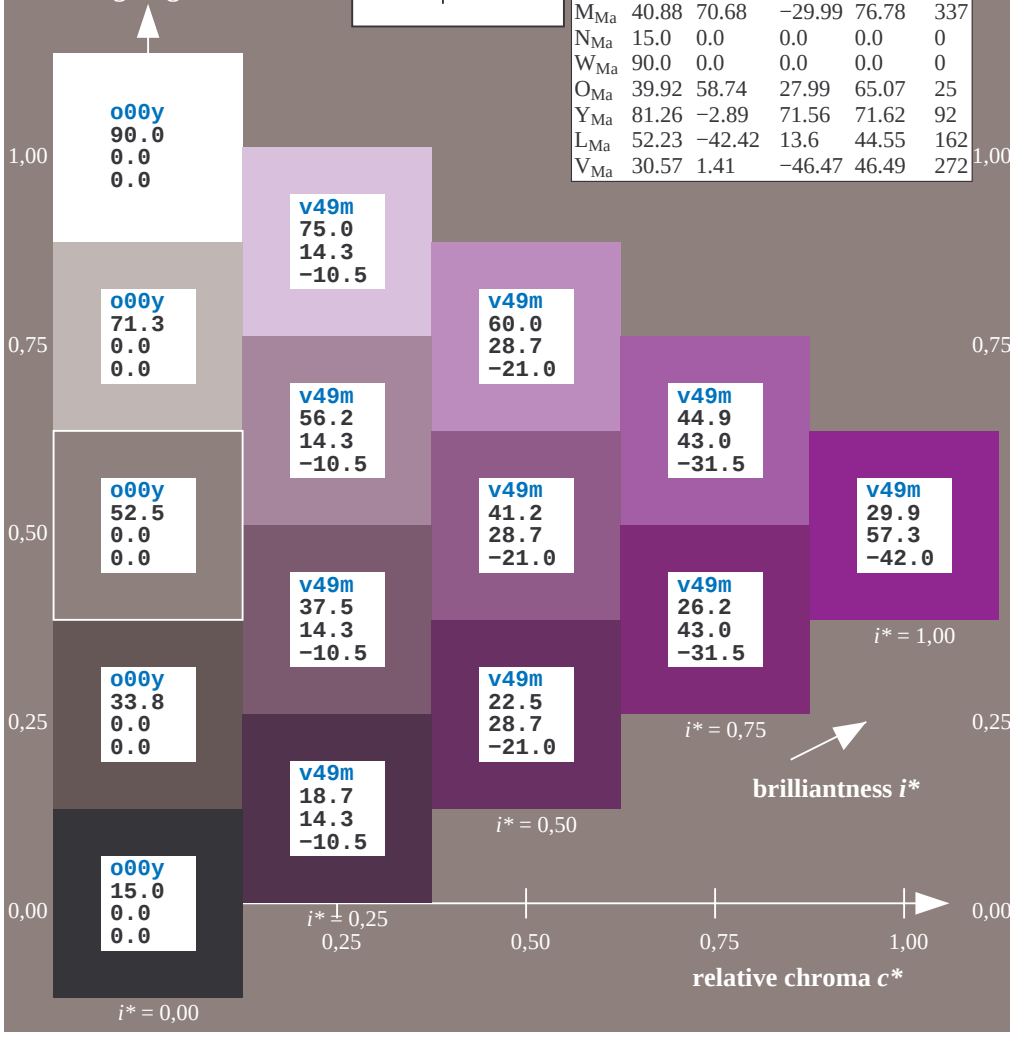
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

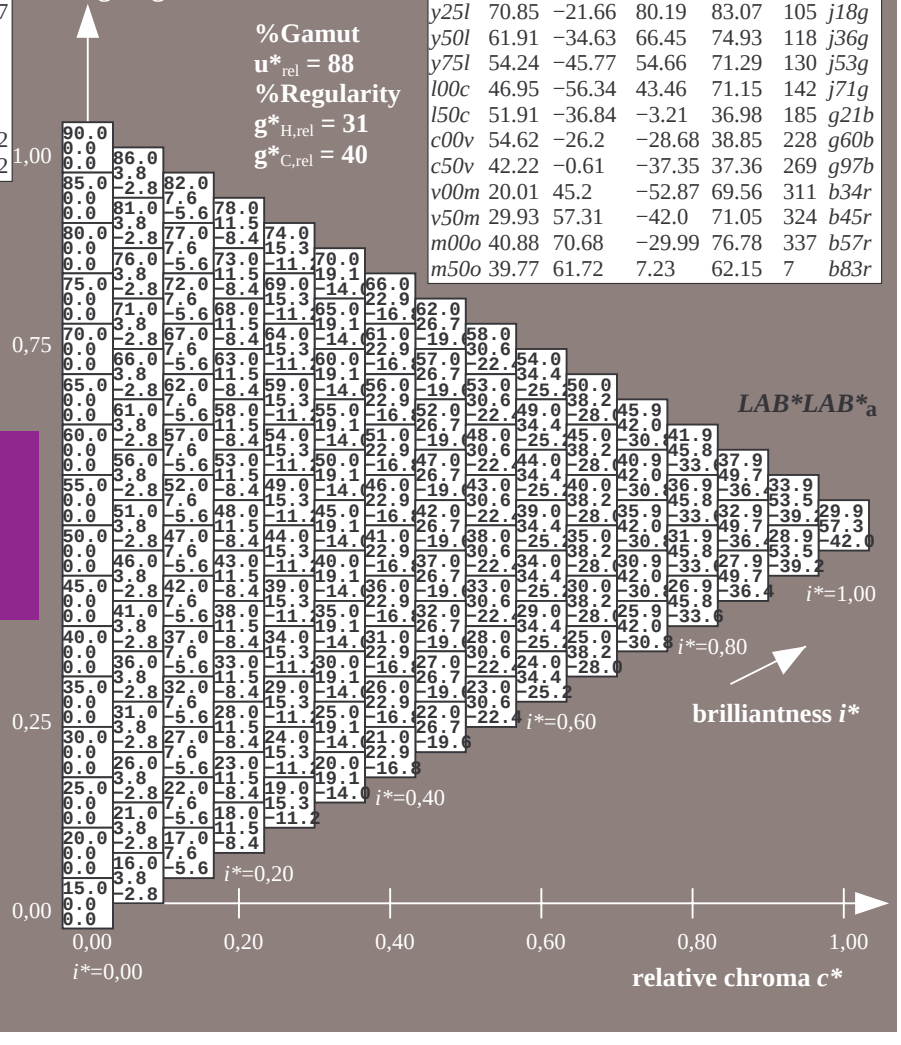
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v50m*
*LAB*LAB**$_a$

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

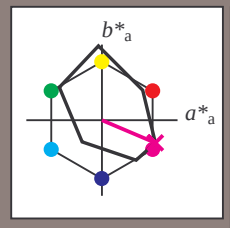




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

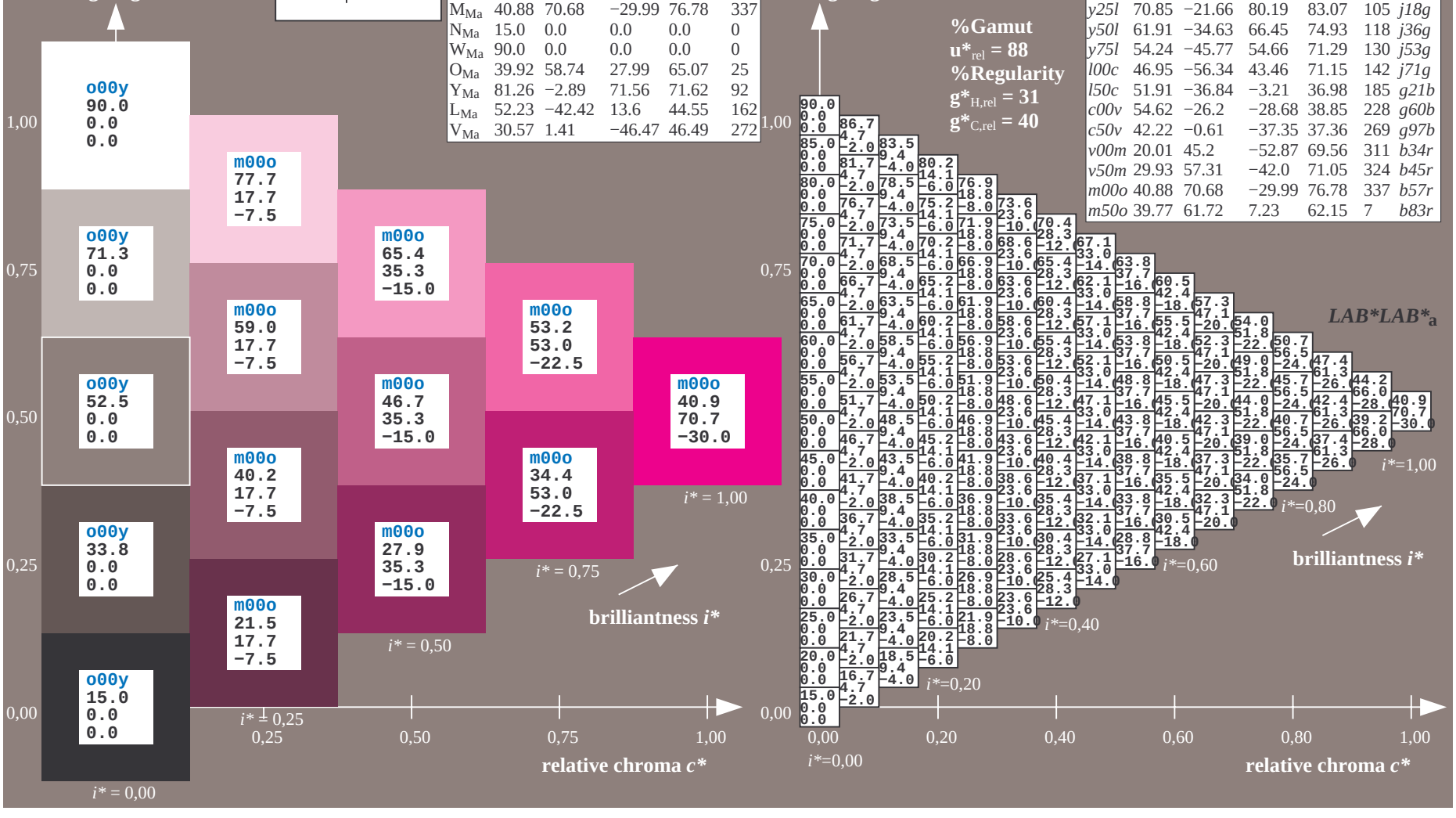
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 41 71 −30
*LAB*LCH**$_{Ma}$: 41 77 337
*lab*olv**$_{Ma}$: 1.0 0.0 1.0
*lab*rgb**$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *m00o*
*LAB*LAB**$_a$

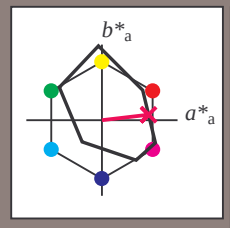
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

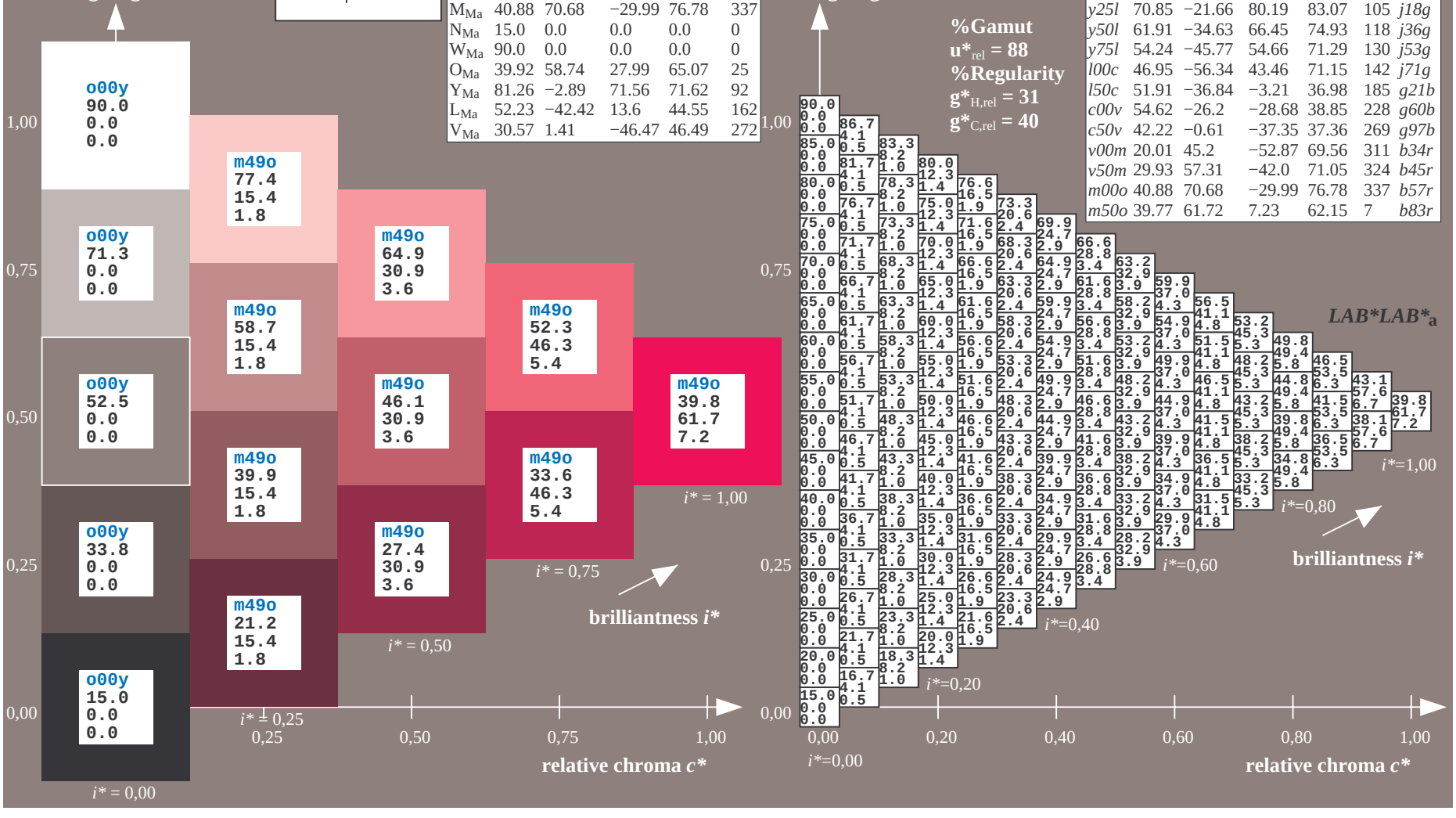
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 40 62 7
*LAB*LCH**$_{Ma}$: 40 62 6
*lab*olv**$_{Ma}$: 1.0 0.0 0.5
*lab*rgb**$_{Ma}$: 1.0 0.0 0.33
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



See for similar files: http://www.ps.bam.de/Ee63/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee63/10L/L63E00NP.PS/ .PDF
application for evaluation and measurement of printer or monitor systems
BAM material: code=rha4ta

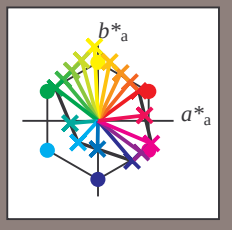
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	15.0	19.0	23.0	27.0	31.0	35.0	39.0	43.0	47.0	18.0	23.4	26.7	30.6	34.6	38.6	42.6	46.6	50.6	21.0	25.4	31.9	34.7	38.5	42.3	46.3	50.3	54.2	90.0	83.6	77.2	70.8	64.4	58.0	51.6	45.2	38.8	15.0	15.0	15.0	15.0
	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	-49.3	-56.3	6.7	-0.6	-8.7	-15.8	-22.9	-29.9	-37.0	-44.0	-51.1	13.5	7.5	-1.2	-9.9	-17.3	-24.5	-31.6	-38.7	-45.8	0.0	6.7	13.5	20.2	27.0	33.7	40.4	47.2	53.9	0.0	0.0	0.0	0.0
	0.0	5.4	10.9	16.3	21.7	27.2	32.6	38.0	43.5	5.0	12.3	16.6	21.9	27.3	32.8	38.2	43.6	49.1	9.9	15.8	24.6	28.2	33.2	38.5	43.8	49.2	54.7	0.0	5.0	9.9	14.9	19.8	24.8	29.8	34.7	39.7	0.0	0.0	0.0	0.0
02	15.6	20.0	24.2	28.4	32.6	36.7	40.8	44.9	48.9	18.2	24.4	28.4	32.4	36.4	40.4	44.3	48.3	52.3	21.2	27.4	32.8	36.1	40.0	44.0	48.0	52.0	56.0	85.6	80.6	74.2	67.8	61.4	55.0	48.6	42.2	35.8	24.4	24.4	24.4	24.4
	5.7	-3.3	-9.2	-15.4	-21.8	-28.3	-35.0	-41.7	-48.5	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	-49.3	15.4	6.7	-0.6	-8.7	-15.8	-22.9	-29.9	-37.0	-44.0	-3.3	0.0	6.7	13.5	20.2	27.0	33.7	40.4	47.2	0.0	0.0	0.0	0.0
	-6.6	-3.6	-0.8	2.5	6.4	10.6	15.2	19.9	24.7	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	32.6	38.0	1.8	5.0	12.3	16.6	21.9	27.3	32.8	38.2	43.6	-3.6	0.0	5.0	9.9	14.9	19.8	24.8	29.8	34.7	0.0	0.0	0.0	0.0
03	16.3	21.8	24.9	29.2	33.5	37.7	41.9	46.1	50.2	18.7	25.0	29.3	33.6	37.8	42.0	46.1	50.2	54.3	21.5	27.6	33.8	37.7	41.7	45.7	49.7	53.7	57.7	81.2	76.2	71.3	64.9	58.5	52.1	45.7	39.3	32.9	33.8	33.8	33.8	33.8
	11.3	-0.2	-6.5	-12.5	-18.4	-24.5	-30.7	-37.1	-43.5	14.3	5.7	-3.3	-9.2	-15.4	-21.8	-28.3	-35.0	-41.7	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	-6.5	-3.3	0.0	6.7	13.5	20.2	27.0	33.7	40.4	0.0	0.0	0.0	0.0
	-13.2	-9.3	-7.2	-4.3	-1.6	1.5	5.0	8.8	12.8	-10.5	-6.6	-3.6	-0.8	2.5	6.4	10.6	15.2	19.9	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	32.6	-7.2	-3.6	0.0	5.0	9.9	14.9	19.8	24.8	29.8	0.0	0.0	0.0	0.0
04	16.9	23.4	26.7	29.9	34.1	38.4	42.7	46.9	51.2	19.3	25.6	31.2	34.3	38.6	42.8	47.1	51.3	55.4	21.9	28.1	34.4	38.7	43.0	47.2	51.4	55.5	59.6	76.7	71.8	66.8	61.9	55.5	49.1	42.7	36.3	29.9	43.1	43.1	43.1	43.1
	17.0	3.5	-3.4	-9.8	-15.8	-21.7	-27.6	-33.7	-39.8	20.0	11.3	-0.2	-6.5	-12.5	-18.4	-24.5	-30.7	-37.1	23.1	14.3	5.7	-3.3	-9.2	-15.4	-21.8	-28.3	-35.0	-9.8	-6.5	-3.3	0.0	6.7	13.5	20.2	27.0	33.7	0.0	0.0	0.0	0.0
	-19.8	-15.3	-12.9	-10.8	-7.8	-5.2	-2.4	0.7	4.0	-17.1	-13.2	-9.3	-7.2	-4.3	-1.6	1.5	5.0	8.8	-14.3	-10.5	-6.6	-3.6	-0.8	2.5	6.4	10.6	15.2	-10.8	-7.2	-3.6	0.0	5.0	9.9	14.9	19.8	24.8	0.0	0.0	0.0	0.0
05	17.5	24.7	28.6	31.6	34.8	39.1	43.4	47.6	51.9	20.0	26.3	32.8	36.1	39.2	43.5	47.8	52.1	56.3	22.5	28.7	35.0	40.6	43.7	47.9	52.2	56.4	60.6	72.3	67.4	62.4	57.5	52.5	46.1	39.7	33.3	26.9	52.5	52.5	52.5	52.5
	22.6	7.7	-0.3	-6.6	-13.1	-19.1	-25.0	-30.9	-36.8	25.6	17.0	3.5	-3.4	-9.8	-15.8	-21.7	-27.6	-33.7	28.7	20.0	11.3	-0.2	-6.5	-12.5	-18.4	-24.5	-30.7	-13.1	-9.8	-6.5	-3.3	0.0	6.7	13.5	20.2	27.0	0.0	0.0	0.0	0.0
	-26.4	-21.4	-18.7	-16.6	-14.3	-11.3	-8.7	-6.0	-3.2	-23.7	-19.8	-15.3	-12.9	-10.8	-7.8	-5.2	-2.4	0.7	-21.0	-17.1	-13.2	-9.3	-7.2	-4.3	-1.6	1.5	5.0	-14.3	-10.8	-7.2	-3.6	0.0	5.0	9.9	14.9	19.8	0.0	0.0	0.0	0.0
06	18.1	25.9	30.3	33.6	36.6	39.8	44.0	48.3	52.6	20.6	26.9	34.1	38.0	41.0	44.2	48.4	52.7	57.0	23.1	29.3	35.6	42.2	45.5	48.6	52.9	57.2	61.4	67.9	62.9	58.0	53.0	48.1	43.1	36.7	30.3	23.9	61.9	61.9	61.9	61.9
	28.3	12.3	3.2	-3.6	-9.8	-16.4	-22.5	-28.3	-34.2	31.2	22.6	7.7	-0.3	-6.6	-13.1	-19.1	-25.0	-30.9	34.3	25.6	17.0	3.5	-3.4	-9.8	-15.8	-21.7	-27.6	-16.4	-13.1	-9.8	-6.5	-3.3	0.0	6.7	13.5	20.2	0.0	0.0	0.0	0.0
	-33.0	-27.6	-24.5	-22.2	-20.2	-17.9	-14.8	-12.2	-9.6	-30.4	-26.4	-21.4	-18.7	-16.6	-14.3	-11.3	-8.7	-6.0	-27.6	-23.7	-19.8	-15.3	-12.9	-10.8	-7.8	-5.2	-2.4	-17.9	-14.3	-10.8	-7.2	-3.6	0.0	5.0	9.9	14.9	0.0	0.0	0.0	0.0
07	18.8	26.9	31.8	35.4	38.5	41.5	44.7	48.9	53.2	21.2	27.5	35.3	39.7	43.0	45.9	49.1	53.4	57.7	23.7	30.0	36.3	43.5	47.4	50.4	53.6	57.8	62.1	63.5	58.5	53.6	48.6	43.7	38.7	33.8	27.4	21.0	71.3	71.3	71.3	71.3
	33.9	17.1	7.0	-0.5	-6.8	-13.0	-19.6	-25.8	-31.7	36.9	28.3	12.3	3.2	-3.6	-9.8	-16.4	-22.5	-28.3	39.9	31.2	22.6	7.7	-0.3	-6.6	-13.1	-19.1	-25.0	-19.6	-16.4	-13.1	-9.8	-6.5	-3.3	0.0	6.7	13.5	0.0	0.0	0.0	0.0
	-39.7	-34.0	-30.5	-28.0	-25.9	-23.8	-21.5	-18.3	-15.6	-37.0	-33.0	-27.6	-24.5	-22.2	-20.2	-17.9	-14.8	-12.2	-34.3	-30.4	-26.4	-21.4	-18.7	-16.6	-14.3	-11.3	-8.7	-21.5	-17.9	-14.3	-10.8	-7.2	-3.6	0.0	5.0	9.9	0.0	0.0	0.0	0.0
08	19.4	27.9	33.2	37.1	40.4	43.4	46.4	49.7	53.9	21.8	28.1	36.3	41.2	44.8	47.9	50.8	54.1	58.3	24.3	30.6	36.9	44.6	49.0	52.3	55.3	58.5	62.8	59.0	54.1	49.1	44.2	39.2	34.3	29.3	24.4	18.0	80.6	80.6	80.6	80.6
	39.6	22.1	11.1	3.0	-3.8	-10.0	-16.2	-22.9	-29.1	42.5	33.9	17.1	7.0	-0.5	-6.8	-13.0	-19.6	-25.8	45.5	36.9	28.3	12.3	3.2	-3.6	-9.8	-16.4	-22.5	-22.9	-19.6	-16.4	-13.1	-9.8	-6.5	-3.3	0.0	6.7	0.0	0.0	0.0	0.0
	-46.3	-40.3	-36.6	-33.9	-31.6	-29.5	-27.4	-25.1	-21.8	-43.6	-39.7	-34.0	-30.5	-28.0	-25.9	-23.8	-21.5	-18.3	-40.9	-37.0	-33.0	-27.6	-24.5	-22.2	-20.2	-17.9	-14.8	-25.1	-21.5	-17.9	-14.3	-10.8	-7.2	-3.6	0.0	5.0	0.0	0.0	0.0	0.0
09	20.0	28.7	34.5	38.7	42.2	45.3	48.3	51.3	54.6	22.5	28.8	37.2	42.6	46.5	49.8	52.8	55.8	59.0	24.9	31.2	37.5	45.7	50.6	54.2	57.2	60.2	63.5	54.6	49.7	44.7	39.8	34.8	29.9	24.9	20.0	15.0	90.0	90.0	90.0	90.0
	45.2	27.2	15.4	6.6	-0.6	-7.0	-13.2	-19.4	-26.2	48.2	39.6	22.1	11.1	3.0	-3.8	-10.0	-16.2	-22.9	51.2	42.5	33.9	17.1	7.0	-0.5	-6.8	-13.0	-19.6	-26.2	-22.9	-19.6	-16.4	-13.1	-9.8	-6.5	-3.3	0.0	0.0	0.0	0.0	0.0
	-52.9	-46.8	-42.8	-39.8	-37.4	-35.2	-33.1	-31.0	-28.7	-50.2	-46.3	-40.3	-36.6	-33.9	-31.6	-29.5	-27.4	-25.1	-47.5	-43.6	-39.7	-34.0	-30.5	-28.0	-25.9	-23.8	-21.5	-28.7	-25.1	-21.5	-17.9	-14.3	-10.8	-7.2	-3.6	0.0	0.0	0.0	0.0	0.0
10	23.9	28.3	33.2	40.3	42.9	46.4	50.2	54.1	58.0	26.9	31.2	35.8	41.2	48.8	51.2	54.5	58.1	61.9	29.9	34.2	38.6	43.5	49.3	57.2	59.5	62.6	66.2	90.0	89.1	88.1	87.2	86.3	85.4	84.4	83.5	82.6	15.0	15.0	15.0	15.0
	20.2	14.4	7.9	-1.7	-10.8	-18.6	-26.0	-33.2	-40.3	27.0	21.2	15.1	7.8	-2.3	-11.7	-19.7	-27.3	-34.6	33.7	27.9	22.0	15.5	7.7	-2.9	-12.4	-20.7	-28.5	0.0	-0.6	-1.2	-1.7	-2.3	-2.9	-3.5	-4.1	-4.6	0.0	0.0	0.0	0.0
	14.9	20.7	27.2	36.8	40.1	44.8	49.8	55.1	60.4	19.8	25.6	31.7	39.0	49.1	52.1	56.5	61.3	66.4	24.8	30.6	36.5	43.0	50.8	61.4	64.2	68.3	73.0	0.0	12.3	24.6	36.8	49.1	61.4	73.7	85.9	98.2	0.0	0.0	0.0	0.0
11	24.2	30.3	34.8	41.3	44.1	47.8	51.7	55.7	59.6	27.2	33.3	37.6	42.5	49.7	52.3	55.8	59.6	63.4	30.1	36.3	40.6	45.1	50.6	58.2	60.6	63.9	67.5	81.3	80.6	79.7	78.8	77.8	76.9	76.0	75.1	74.1	20.0	20.0	20.0	20.0
	22.2	13.5	7.5	-1.2	-9.9	-17.3	-24.5	-31.6	-38.7	29.0	20.2	14.4	7.9	-1.7	-10.8	-18.6	-26.0	-33.2	35.7	27.0	21.2	15.1	7.8	-2.3	-11.7	-19.7	-27.3	5.7	0.0	-0.6	-1.2	-1.7	-2.3	-2.9	-3.5	-4.1	0.0	0.0	0.0	0.0
	6.6	9.9	15.8	24.6	28.2	33.2	38.5	43.8	49.2	11.4	14.9	20.7	27.2	36.8	40.1	44.8	49.8	55.1	16.3	19.8	25.6	31.7	39.0	49.1	52.1	56.5	61.3	-6.6	0.0	12.3	24.6	36.8	49.1	61.4	73.7	85.9	0.0	0.0	0.0	0.0
12	24.4	30.6	36.7	42.2	45.5	49.4	53.4	57.4	61.4	27.4	33.5	39.7	44.1	50.6	53.5	57.2	61.1	65.0	30.4	36.5	42.7	47.0	51.9	59.1	61.7	65.2	68.9	72.5	71.9	71.3	70.3	69.4	68.5	67.5	66.6	65.7	25.0	25.0	25.0	25.0
	24.1	15.4	6.7	-0.6	-8.7	-15.8	-22.9	-29.9	-37.0	30.9	22.2	13.5	7.5	-1.2	-9.9	-17.3	-24.5	-31.6	37.6	29.0	20.2	14.4	7.9	-1.7	-10.8	-18.6	-26.0	11.3	5.7	0.0	-0.6	-1.2	-1.7	-2.3	-2.9	-3.5	0.0	0.0	0.0	0.0
	-1.4	1.8	5.0	12.3	16.6	21.9	27.3	32.8	38.2	3.6	6.6	9.9	15.8	24.6	28.2	33.2	38.5	43.8	8.4	11.4	14.9	20.7	27.2	36.8	40.1	44.8	49.8	-13.2	-6.6	0.0	12.3	24.6	36.8	49.1	61.4	73.7	0.0	0.0	0.0	0.0
13	24.7	30.8	37.0	43.1	47.1	51.1	55.1	59.1	63.1	27.6	33.8	39.9	46.1	51.6	54.9	58.8	62.7	66.7	30.6	36.8	42.9	49.1	53.5	60.0	62.9	66.6	70.5	63.8	63.1	62.5	61.9	60.9	60.0	59.1	58.2	57.2	30.0	30.0	30.0	30.0
	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	32.9	24.1	15.4	6.7	-0.6	-8.7	-15.8	-22.9	-29.9	39.5	30.9	22.2	13.5	7.5	-1.2	-9.9	-17.3	-24.5	17.0	11.3	5.7	0.0	-0.6	-1.2	-1.7	-2.3	-2.9	0.0	0.0	0.0	0.0
	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	-4.7	-1.4	1.8	5.0	12.3	16.6	21.9	27.3	32.8	0.5	3.6	6.6	9.9	15.8	24.6	28.2	33.2	38.5	-19.8	-13.2	-6.6	0.0	12.3	24.6	36.8	49.1	61.4	0.0	0.0	0.0	0.0
14	25.1	31.3	37.5	43.8	48.1	52.4	56.6	60.7	64.9	27.9	34.1	40.2	46.4	52.5	56.5	60.5	64.5	68.5	30.9	37.0	43.2	49.3	55.5	60.9	64.2	68.1	72.1	55.0	54.4	53.8	53.1	52.5	51.6	50.6	49.7	48.8	35.0	35.0	35.0	35.0
	31.9	23.1	14.3	5.7	-3.3	-9.2	-15.4	-21.8	-28.3	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	41.6	32.9	24.1	15.4	6.7	-0.6	-8.7	-15.8	-22.9	22.6	17.0	11.3	5.7	0.0	-0.6	-1.2	-1.7	-2.3	0.0	0.0	0.0	0.0
	-18.1	-14.3	-10.5	-6.6	-3.6	-0.8	2.5	6.4	10.6	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	-8.2	-4.7	-1.4	1.8	5.0	12.3	16.6	21.9	27.3	-26.4	-19.8	-13.2	-6.6	0.0	12.3	24.6	36.8	49.1	0.0	0.0	0.0	0.0
15	25.6	31.8	38.1	44.4	49.9	53.0	57.3	61.6	65.8	28.3	34.5	40.6	46.9	53.1	57.5	61.7	65.9	70.1	31.2	37.3	43.5	49.6	55.7	61.9	65.9	69.9	73.9	46.3	45.6	45.0	44.4	43.8	43.1	42.2	41.3	40.3	40.0	40.0	40.0	40.0
	37.4	28.7	20.0	11.3	-0.2	-6.5	-12.5	-18.4	-24.5	40.7	31.9	23.1	14.3	5.7	-3.3	-9.2	-15.4	-21.8	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	28.3	22.6	17.0	11.3	5.7	0.0	-0.6	-1.2	-1.7	0.0	0.0	0.0	0.0
	-24.8	-21.0	-17.1	-13.2	-9.3	-7.2	-4.3	-1.6	1.5	-21.9	-18.1	-14.3	-10.5	-6.6	-3.6	-0.8	2.5	6.4	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	-33.0	-26.4	-19.8	-13.2	-6.6	0.0	12.3	24.6	36.8	0.0	0.0	0.0	0.0
16	26.2	32.4	38.7	45.0	51.5	54.9	58.0	62.2	66.5	28.8	35.0	41.2	47.5	53.8	59.3	62.4	66.7	71.0	31.5	37.7	43.8	50.0	56.2	62.5	66.8	71.1	75.3	37.5	36.9	36.3	35.6	35.0	34.4	33.8	32.8	31.9	45.0	45.0	45.0	45.0
	43.0	34.3	25.6	17.0	3.5	-3.4	-9.8	-15.8	-21.7	46.2	37.4	28.7	20.0	11.3	-0.2	-6.5	-12.5	-18.4	49.5	40.7	31.9	23.1	14.3	5.7	-3.3	-9.2	-15.4	33.9	28.3	22.6	17.0	11.3	5.7	0.0	-0.6	-1.2	0.0	0.0	0.0	0.0
	-31.5	-27.6	-23.7	-19.8	-15.3	-12.9	-10.8	-7.8	-5.2	-28.6	-24.8	-21.0	-17.1	-13.2	-9.3	-7.2	-4.3	-1.6	-25.7	-21.9	-18.1	-14.3	-10.5	-6.6	-3.6	-0.8	2.5	-39.7	-33.0	-26.4	-19.8	-13.2	-6.6	0.0	12.3	24.6	0.0	0.0	0.0	0.0
17	26.8	33.1	39.3	45.6	52.9	56.7	59.8	62.9	67.2	29.3	35.6	41.8	48.1	54.4	60.9	64.2	67.4	71.6	32.0	38.2	44.4	50.6	56.8	63.1	68.7	71.8	76.1	28.8	28.1	27.5	26.9	26.3	25.6	25.0	24.4	23.4	50.0	50.0	50.0	50.0
	48.6	39.9	31.2	22.6	7.7	-0.3	-6.6	-13.1	-19.1	51.7	43.0	34.3	25.6	17.0	3.5	-3.4	-9.8	-15.8	54.9	46.2	37.4	28.7	20.0	11.3	-0.2	-6.5	-12.5	39.6	33.9	28.3	22.6	17.0	11.3	5.7	0.0	-0.6	0.0	0.0	0.0	0.0
	-38.1	-34.3	-30.4	-26.4	-21.4	-18.7	-16.6	-14.3	-11.3	-35.3	-31.5	-27.6	-23.7	-19.8	-15.3	-12.9	-10.8	-7.8	-32.4	-28.6	-24.8	-21.0	-17.1	-13.2	-9.3	-7.2	-4.3	-46.3	-39.7	-33.0	-26.4	-19.8	-13.2	-6.6	0.0	12.3	0.0	0.0	0.0	0.0
18	27.4	33.7	40.0	46.3	54.0	58.4	61.7	64.7	67.9	29.9	36.2	42.4	48.7	55.0	62.2	66.1	69.1	72.3	32.5	38.7	44.9	51.2	57.5	63.8	70.3	73.6	76.7	20.0	19.4	18.8	18.1	17.5	16.9	16.3	15.6	15.0	55.0	55.0	55.0	55.0
	54.2	45.5	36.9	28.3	12.3	3.2	-3.6	-9.8	-16.4	57.3	48.6	39.9	31.2	22.6	7.7	-0.3	-6.6	-13.1	60.5	51.7	43.0	34.3	25.6	17.0	3.5	-3.4	-9.8	45.2	39.6	33.9	28.3	22.6	17.0	11.3	5.7	0.0	0.0	0.0	0.0	0.0
	-44.8	-40.9	-37.0	-33.0	-27.6	-24.5	-22.2	-20.2	-17.9	-42.0	-38.1	-34.3	-30.4	-26.4	-21.4	-18.7	-16.6	-14.3	-39.2	-35.3	-31.5	-27.6	-23.7	-19.8	-15.3	-12.9	-10.8	-52.9	-46.3	-39.7	-33.0	-26.4	-19.8	-13.2	-6.6	0.0	0.0	0.0	0.0	0.0
19	32.9	37.2	41.5	46.2	51.3	57.6	65.7	67.9	70.9	35.8	40.2	44.5	49.0	53.8	59.3	65.9	74.1	76.2	38.8	43.1	47.5	51.9	56.5	61.6	67.4	74.2	82.6	90.0	84.6	79.2	73.9	68.5	63.1	57.7	52.3	47.0	60.0	60.0	60.0	60.0
	40.4	34.6	28.8	22.6	15.7	7.4	-3.5	-13.2	-21.7	47.2	41.4	35.6	29.6	23.1	15.8	7.0	-4.1	-13.9	53.9	48.1	42.3	36.4	30.2	23.4	15.7	6.6	-4.6	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	-49.3	-56.3	0.0	0.0	0.0	0.0
	29.8	35.6	41.4	47.5	54.5	62.8	73.7	76.3	80.2	34.7	40.5	46.3	52.3	58.8	66.1	74.9	85.9	88.4	39.7	45.5	51.3	57.2	63.4	70.2	77.9	87.0	98.2	0.0	5.4	10.9	16.3	21.7	27.2	32.6	38.0	43.5	0.0	0.0	0.0	0.0
20	33.1	39.3	43.6	48.0	52.9	58.7	66.6	68.9	72.0	36.1	42.2	46.6	50.9	55.5	60.7	67.0	75.1	77.2	39.1	45.2	49.5	53.9	58.4	63.2	68.7	75.2	83.5	83.9	80.6	75.2	69.9	64.5	59.1	53.7	48.3	43.0	65.0	65.0	65.0	65.0
	42.5	33.7	27.9	22.0	15.5	7.7	-2.9	-12.4	-20.7	49.3	40.4	34.6	28.8	22.6	15.7	7.4	-3.5	-13.2	56.0	47.2	41.4	35.6	29.6	23.1	15.8	7.0	-4.1	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	-49.3	0.0	0.0	0.0	0.0
	21.2	24.8	30.6	36.5	43.0	50.8	61.4	64.2	68.3	26.1	29.8	35.6	41.4	47.5	54.5	62.8	73.7	76.3	31.0	34.7	40.5	46.3	52.3	58.8	66.1	74.9	85.9	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	32.6	38.0	0.0	0.0	0.0	0.0
21	33.3	39.5	45.7	50.0	54.5	59.9	67.5	69.9	73.2	36.3	42.5	48.6	53.0	57.4	62.2	68.1	76.0	78.3	39.3	45.5	51.6	55.9	60.3	64.9	70.1	76.3	84.4	77.7	74.5	71.3	65.9	60.5	55.1	49.7	44.3	39.0	70.0	70.0	70.0	70.0
	44.4	35.7	27.0	21.2	15.1	7.8	-2.3	-11.7	-19.7	51.2	42.5	33.7	27.9	22.0	15.5	7.7	-2.9	-12.4	58.0	49.3	40.4	34.6	28.8	22.6	15.7	7.4	-3.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	-42.3	0.0	0.0	0.0	0.0
	13.2	16.3	19.8	25.6	31.7	39.0	49.1	52.1	56.5	18.0	21.2	24.8	30.6	36.5	43.0	50.8	61.4	64.2	22.8	26.1	29.8	35.6	41.4	47.5	54.5	62.8	73.7	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	32.6	0.0	0.0	0.0	0.0
22	33.6	39.7	45.9	52.1	56.4	61.3	68.5	71.1	74.5	36.6	42.7	48.9	55.0	59.4	63.9	69.3	76.9	79.3	39.5	45.7	51.9	58.0	62.3	66.7	71.6	77.5	85.4	71.6	68.3	65.1	61.9	56.5	51.1	45.7	40.4	35.0	75.0	75.0	75.0	75.0
	46.3	37.6	29.0	20.2	14.4	7.9	-1.7	-10.8	-18.6	53.1	44.4	35.7	27.0	21.2	15.1	7.8	-2.3	-11.7	59.8	51.2	42.5	33.7	27.9	22.0	15.5	7.7	-2.9	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	-35.2	0.0	0.0	0.0	0.0
	5.4	8.4	11.4	14.9	20.7	27.2	36.8	40.1	44.8	10.2	13.2	16.3	19.8	25.6	31.7	39.0	49.1	52.1	15.0	18.0	21.2	24.8	30.6	36.5	43.0	50.8	61.4	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	27.2	0.0	0.0	0.0	0.0
23	33.8	40.0	46.1	52.3	58.5	62.9	69.4	72.2	76.0	36.8	43.0	49.1	55.3	61.4	65.8	70.7	77.8	80.4	39.8	45.9	52.1	58.3	64.4	68.7	73.3	78.7	86.3	65.4	62.2	59.0	55.7	52.5	47.1	41.7	36.4	31.0	80.0	80.0	80.0	80.0
	48.2	39.5	30.9	22.2	13.5	7.6	-1.2	-9.9	-17.3	55.0	46.3	37.6	29.0	20.2	14.4	7.9	-1.7	-10.8	61.7	53.1	44.4	35.7	27.0	21.2	15.1	7.8	-2.3	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	-28.2	0.0	0.0	0.0	0.0
	-2.7	0.5	3.6	6.6	9.9	15.8	24.6	28.2	33.2	2.3	5.4	8.4	11.4	14.9	20.7	27.2	36.8	40.1	7.2	10.2	13.2	16.3	19.8	25.6	31.7	39.0	49.1	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	21.7	0.0	0.0	0.0	0.0
24	34.1	40.2	46.4	52.5	58.7	64.9	70.3	73.6	77.5	37.0	43.2	49.3	55.5	61.7	67.8	72.3	78.8	81.6	40.0	46.2	52.3	58.5	64.7	70.8	75.1	80.0	87.2	59.3	56.1	52.8	49.6	46.4	43.1	37.7	32.4	27.0	85.0	85.0	85.0	85.0
	50.4	41.6	32.9	24.1	15.4	6.7	-0.6	-8.7	-15.8	57.0	48.2	39.5	30.9	22.2	13.5	7.6	-1.2	-9.9	63.7	55.0	46.3	37.6	29.0	20.2	14.4	7.9	-1.7	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	-21.1	0.0	0.0	0.0	0.0
	-11.7	-8.2	-4.7	-1.4	1.8	5.0	12.3	16.6	21.9	-6.0	-2.7	0.5	3.6	6.6	9.9	15.8	24.6	28.2	-0.8	2.3	5.4	8.4	11.4	14.9	20.7	27.2	36.8	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	16.3	0.0	0.0	0.0	0.0
25	34.4	40.5	46.7	52.8	59.0	65.1	71.3	75.2	79.2	37.3	43.5	49.6	55.8	61.9	68.1	74.2	79.7	83.0	40.3	46.4	52.6	58.7	64.9	71.0	77.2	81.6	88.1	53.2	49.9	46.7	43.5	40.2	37.0	33.8	28.4	23.0	90.0	90.0	90.0	90.0
	53.0	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	59.2	50.4	41.6	32.9	24.1	15.4	6.7	-0.6	-8.7	65.7	57.0	48.2	39.5	30.9	22.2	13.5	7.6	-1.2	53.0	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	-14.1	0.0	0.0	0.0	0.0
	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	-15.3	-11.7	-8.2	-4.7	-1.4	1.8	5.0	12.3	16.6	-9.4	-6.0	-2.7	0.5	3.6	6.6	9.9	15.8	24.6	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	10.9	0.0	0.0	0.0	0.0
26	34.7	40.9	47.1	53.2	59.4	65.6	71.9	76.2	80.5	37.6	43.8	49.9	56.1	62.2	68.3	74.5	80.6	84.6	40.5	46.7	52.8	59.0	65.1	71.3	77.4	83.6	89.1	47.0	43.8	40.5	37.3	34.1	30.8	27.6	24.4	19.0	15.0	38.8	82.6	47.0
	58.3	49.5	40.7	31.9	23.1	14.3	5.7	-3.3	-9.2	61.8	53.0	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	68.0	59.2	50.4	41.6	32.9	24.1	15.4	6.7	-0.6	61.8	53.0	44.2	35.3	26.5	17.7	8.8	0.0	-7.0	0.0	53.9	-4.6	-56.3
	-29.4	-25.7	-21.9	-18.1	-14.3	-10.5	-6.6	-3.6	-0.8	-26.2	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	-19.0	-15.3	-11.7	-8.2	-4.7	-1.4	1.8	5.0	12.3	-26.2	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	5.4	0.0	39.7	98.2	43.5
27	35.2	41.4	47.5	53.7	60.0	66.2	72.5	78.1	81.2	38.0	44.1	50.3	56.4	62.6	68.8	75.0	81.3	85.6	40.9	47.0	53.2	59.3	65.4	71.6	77.7	83.9	90.0	40.9	37.6	34.4	31.2	27.9	24.7	21.5	18.2	15.0	90.0	54.6	20.0	40.9
	63.7	54.9	46.2	37.4	28.7	20.0	11.3	-0.2	-6.5	67.1	58.3	49.5	40.7	31.9	23.1	14.3	5.7	-3.3	70.7	61.8	53.0	44.2	35.3	26.5	17.7	8.8	0.0	70.7	61.8	53.0	44.2	35.3	26.5	17.7	8.8	0.0	0.0	-26.2	45.2	70.7
	-36.2	-32.4	-28.6	-24.8	-21.0	-17.1	-13.2	-9.3	-7.2	-33.2	-29.4	-25.7	-21.9	-18.1	-14.3	-10.5	-6.6	-3.6	-30.0	-26.2	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	-30.0	-26.2	-22.5	-18.7	-15.0	-11.2	-7.5	-3.7	0.0	0.0	-28.7	-52.9	-30.0

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

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u**d* and number *no.* = 00 .. 15**
device hue text:
u**d* = 16 hues *o00y, o25y, ..., m50o
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

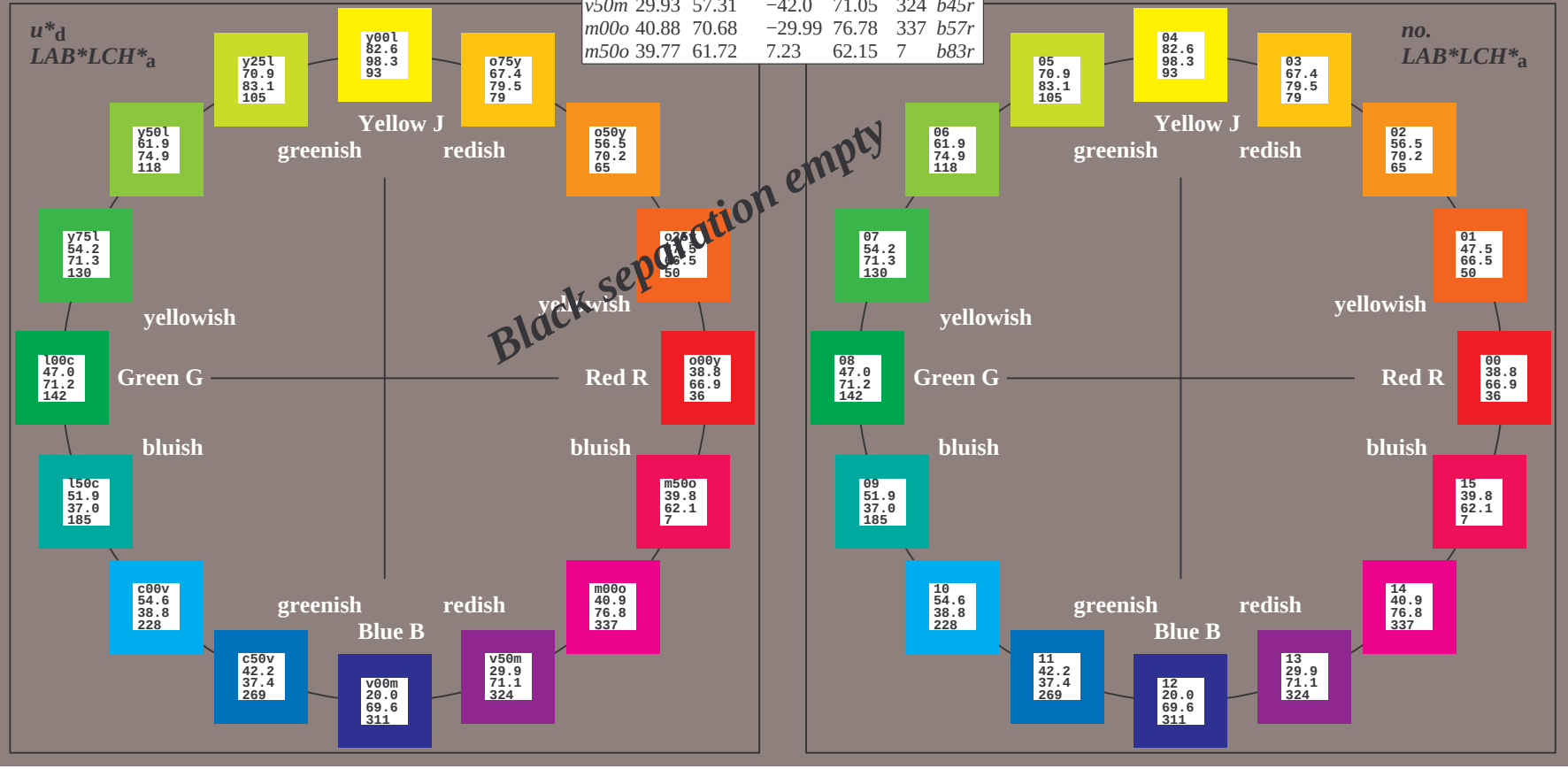
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

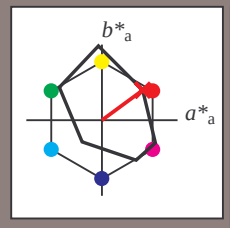
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272



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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

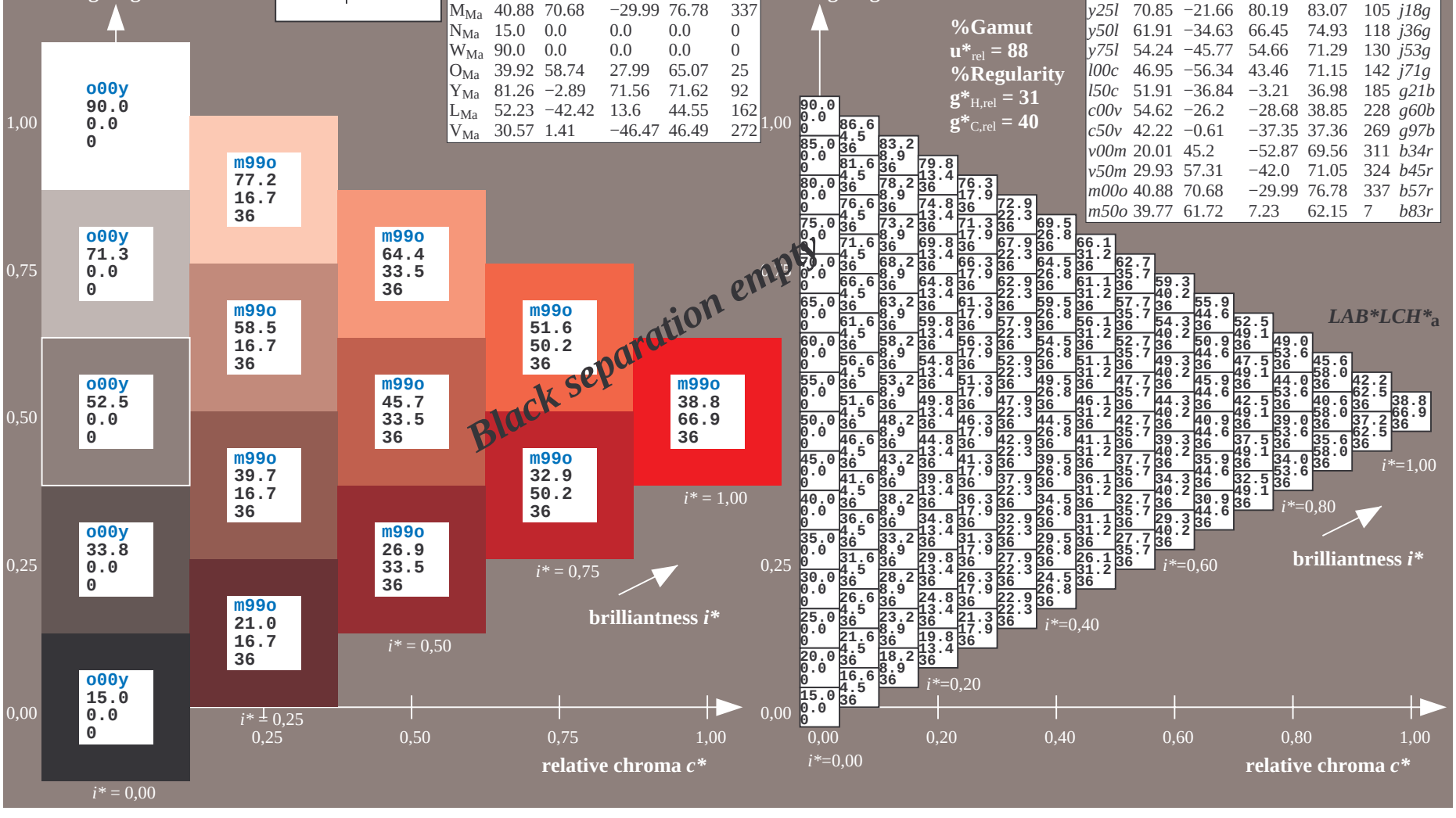
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*LAB*LCH**$_a$

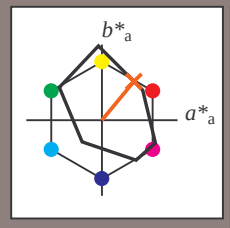
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

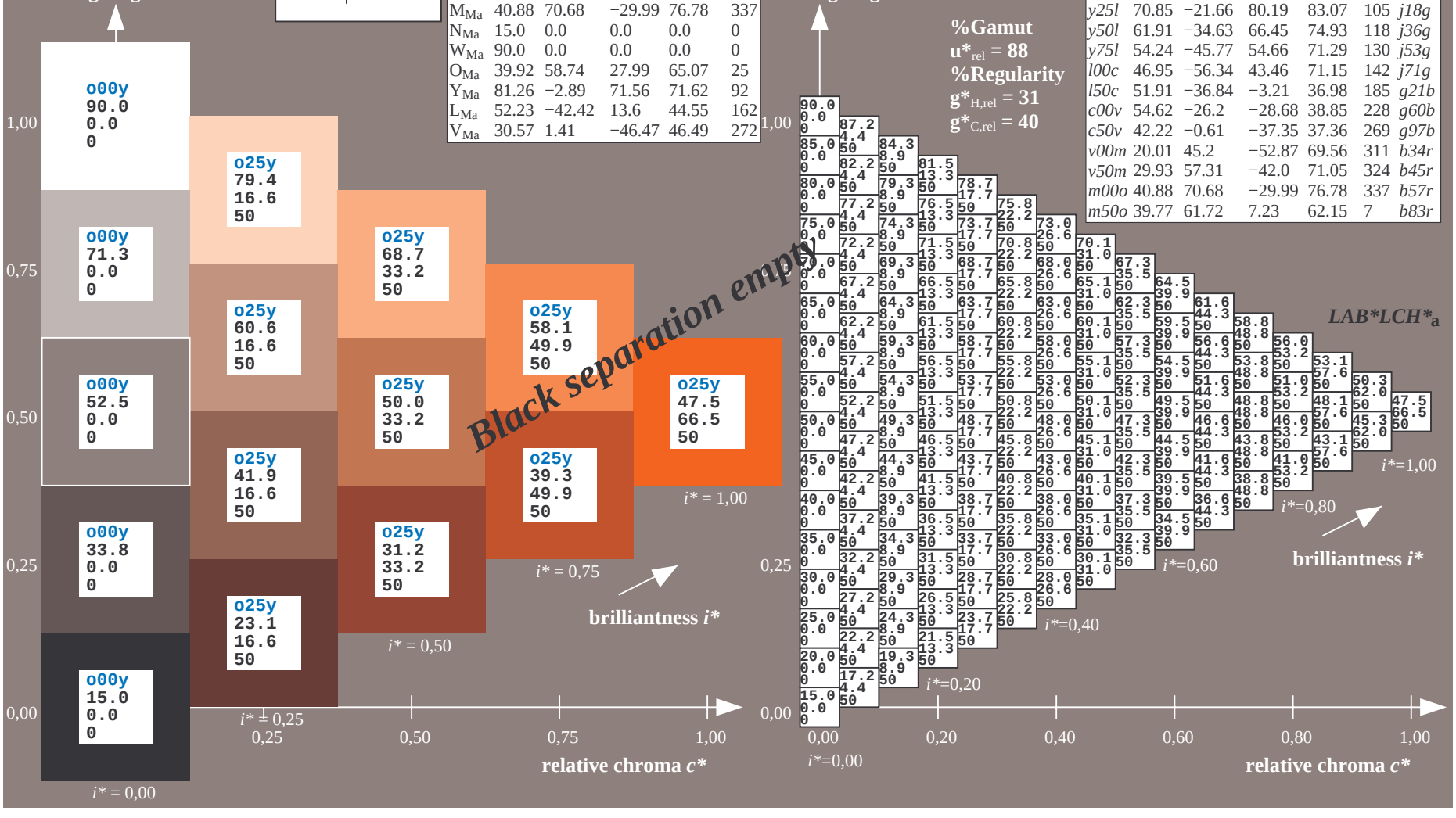
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*LAB*LCH**$_a$

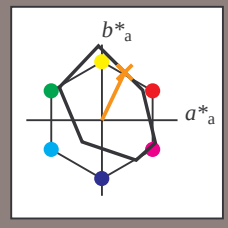
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

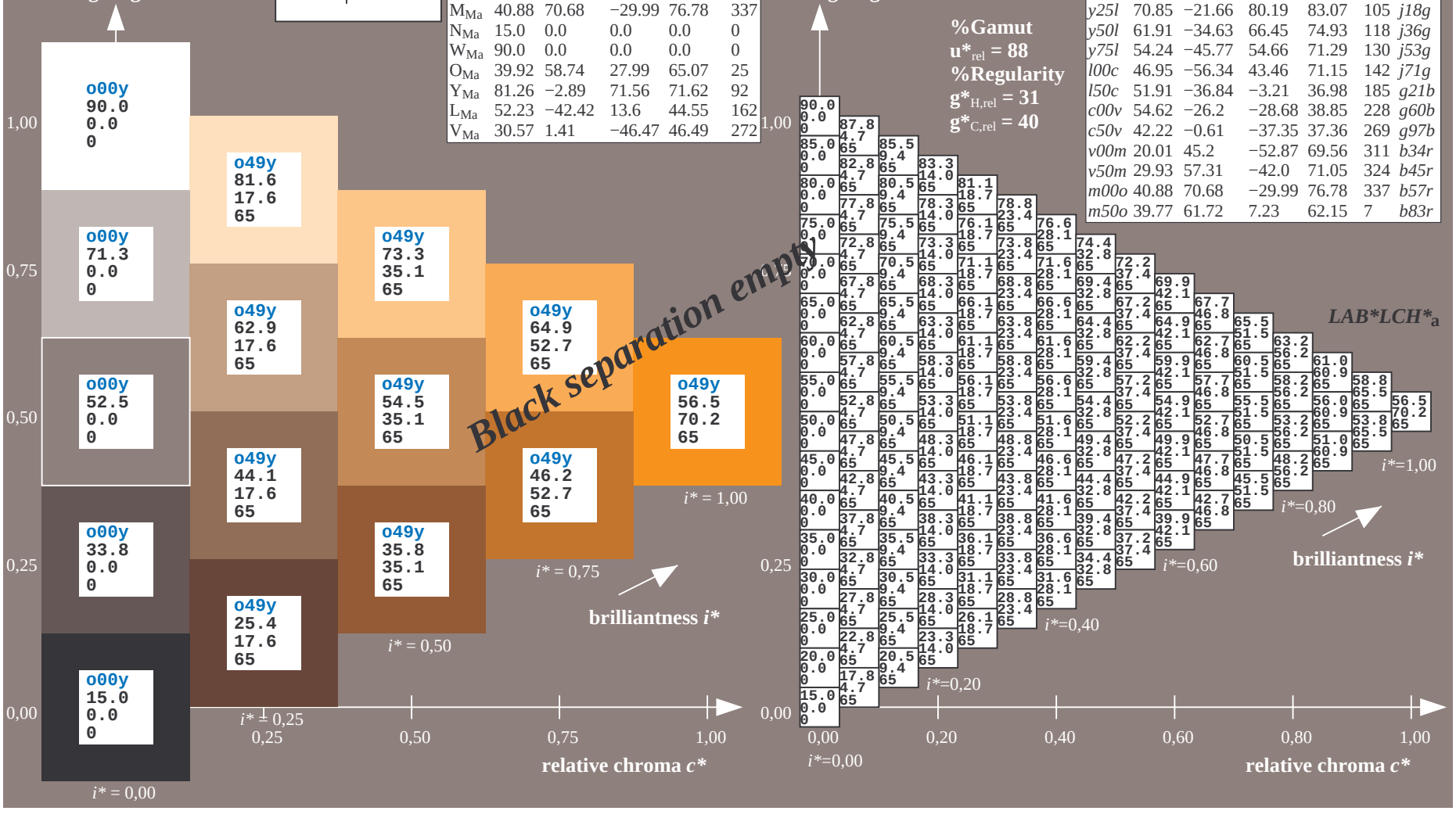
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
*LAB*LCH**$_a$

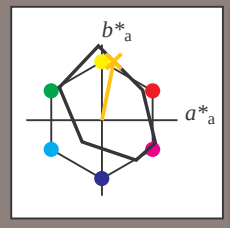
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

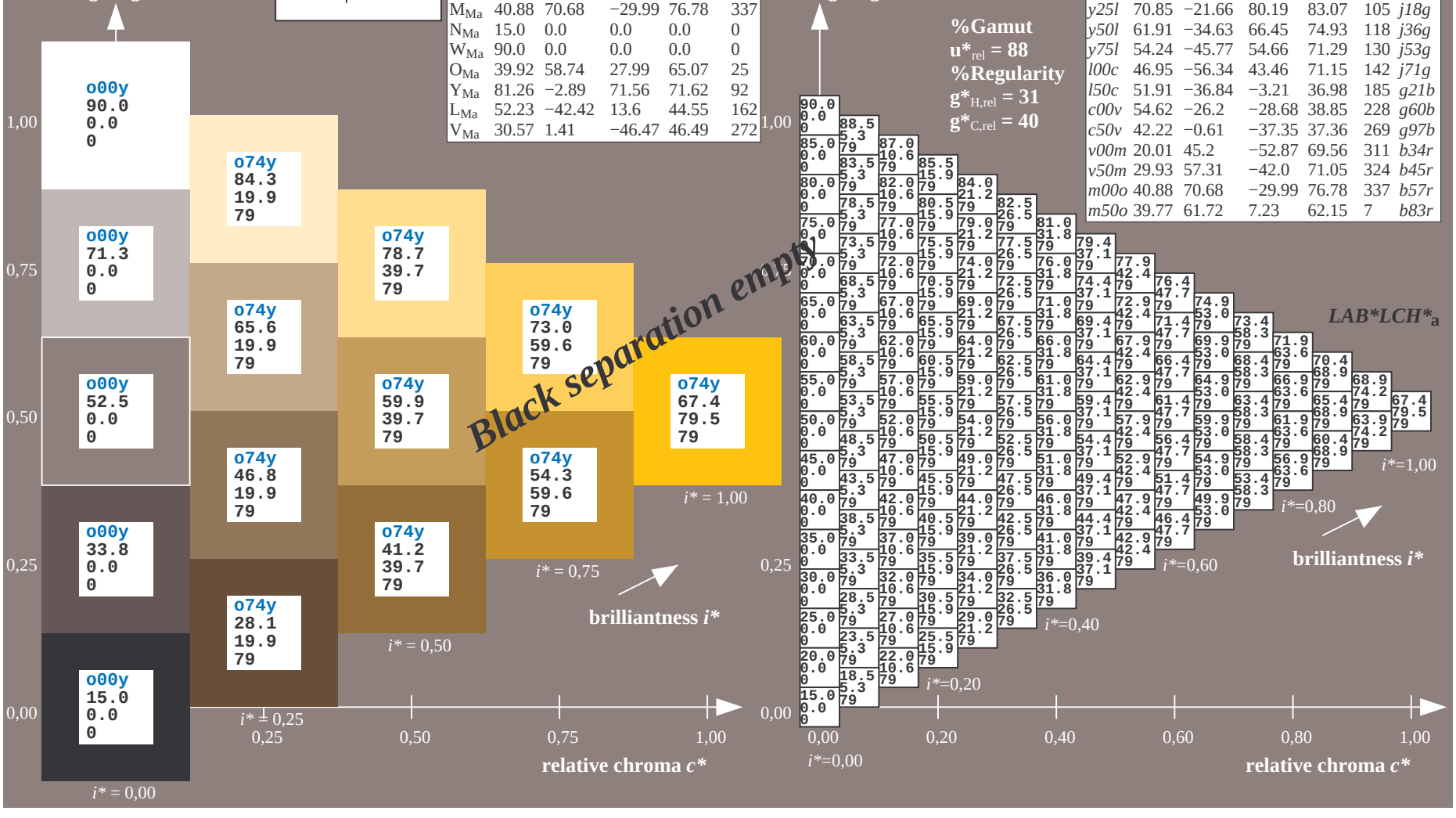
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 16 78
*LAB*LCH**$_{Ma}$: 67 79 78
*lab*olv**$_{Ma}$: 1.0 0.75 0.0
*lab*rgb**$_{Ma}$: 1.0 0.8 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

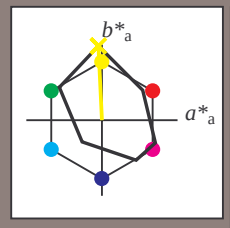
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

u^*_d = o75y
*LAB*LCH*$_a$*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

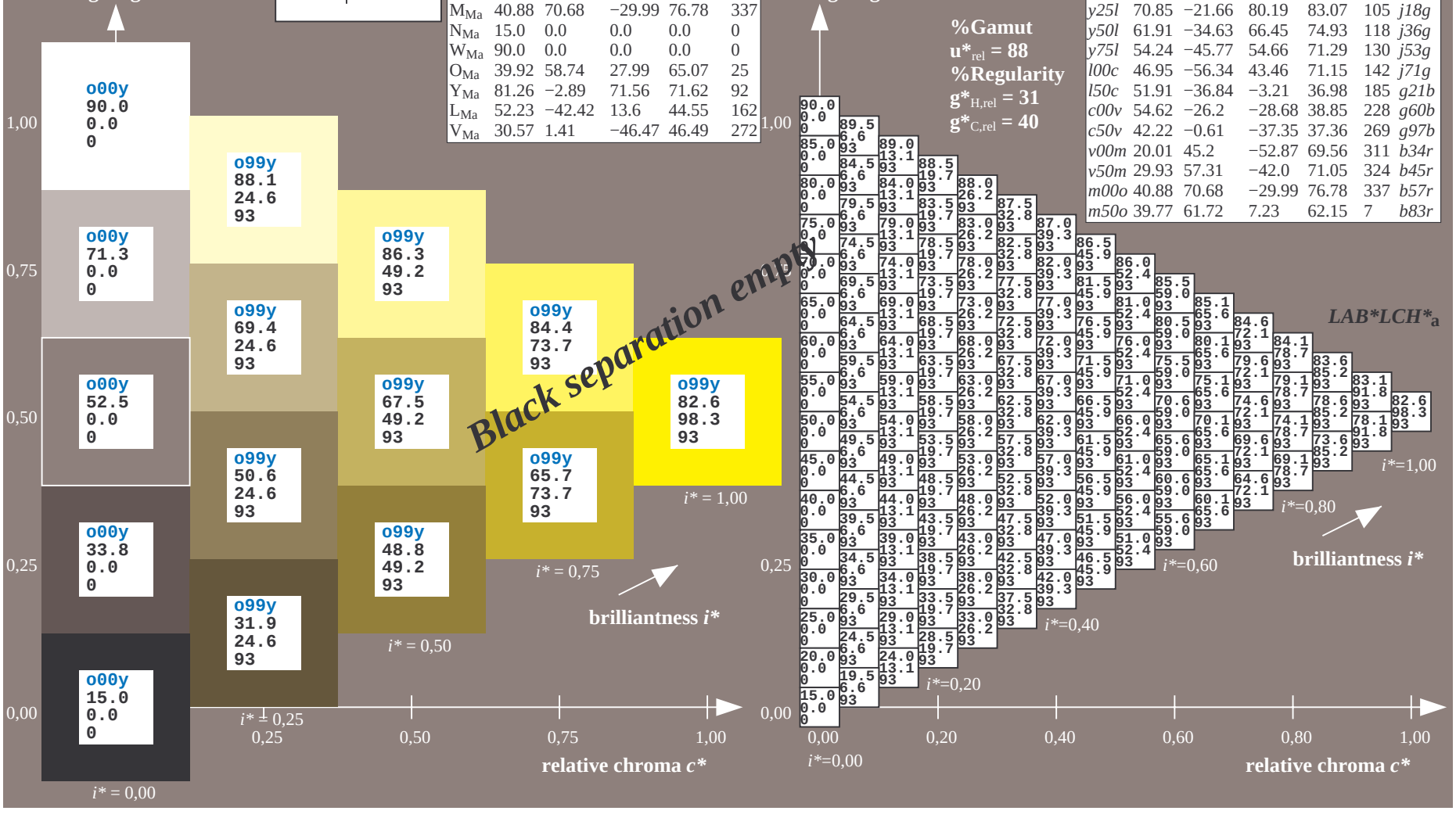
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
*LAB*LCH**$_a$

FRS09_92aM; adapted (a) CIELAB data

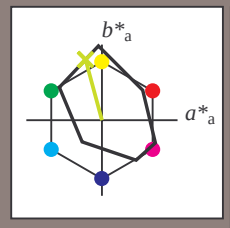
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

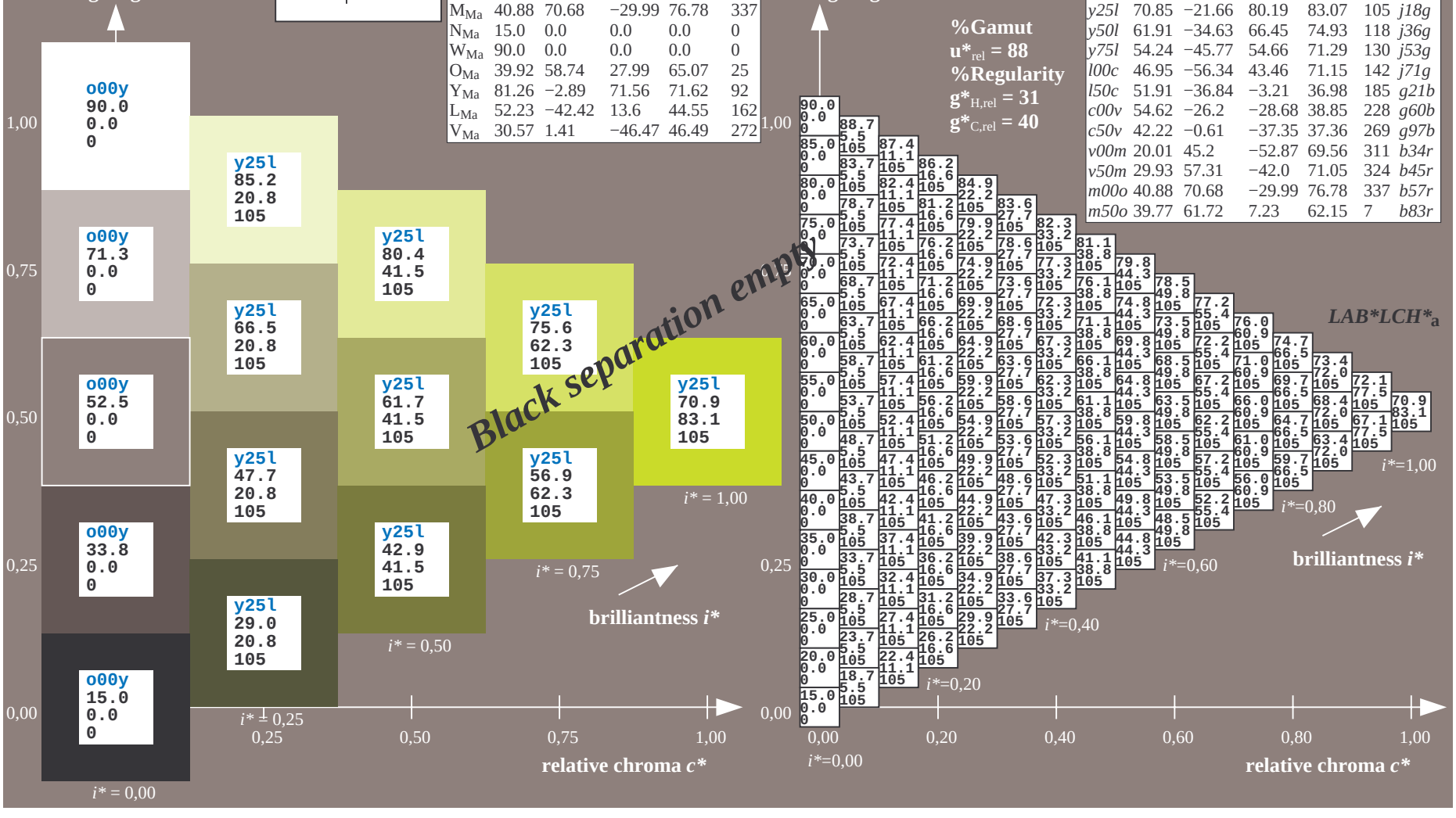
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

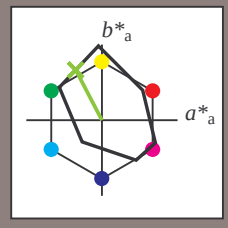
*u*d = y25l*
*LAB*LCH*a*



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 = 0.326**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

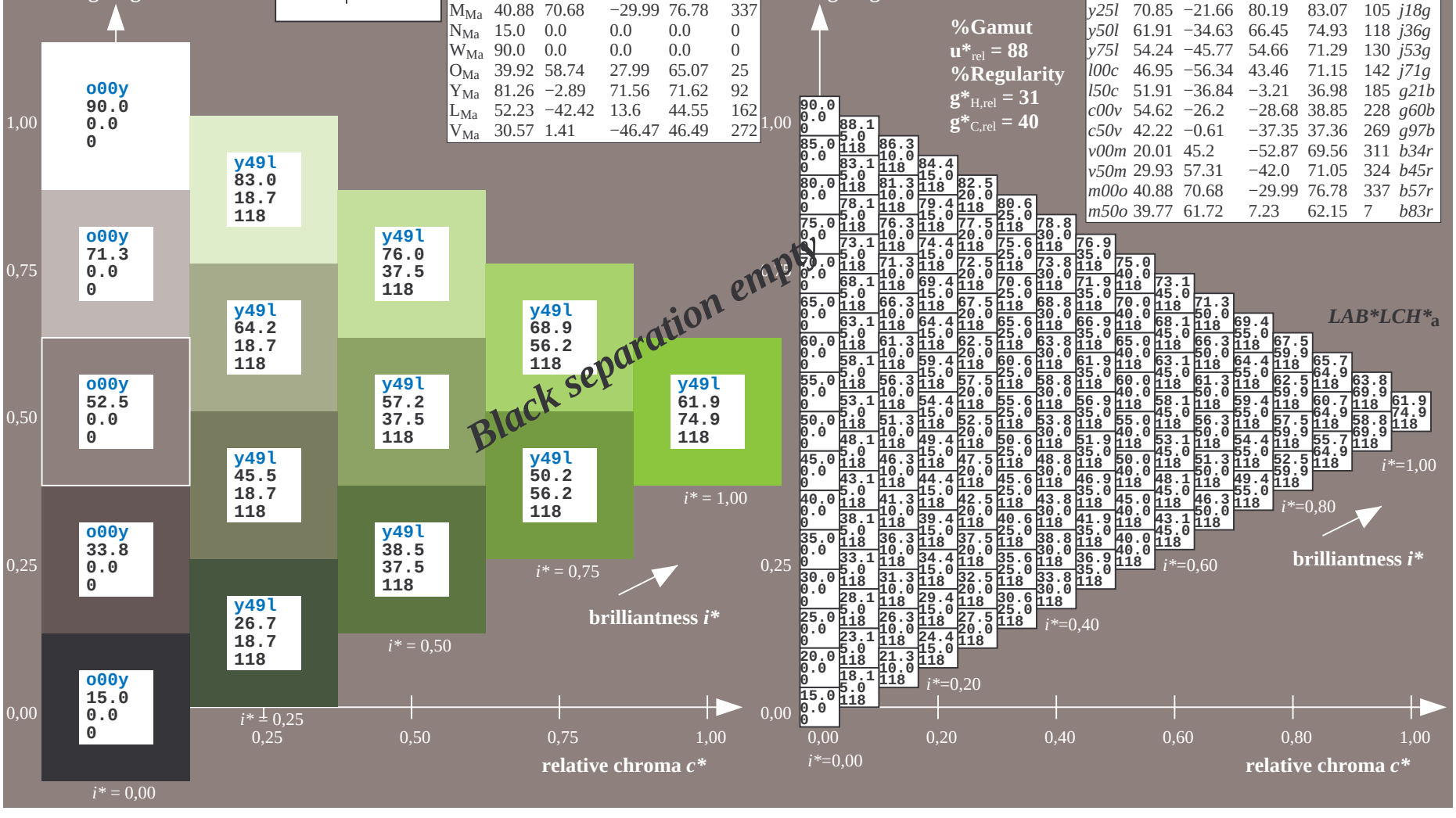
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −35 66
*LAB*LCH**$_{Ma}$: 62 75 117
*lab*olv**$_{Ma}$: 0.5 1.0 0.0
*lab*rgb**$_{Ma}$: 0.64 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

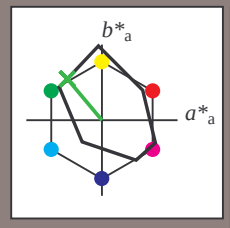
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.361**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

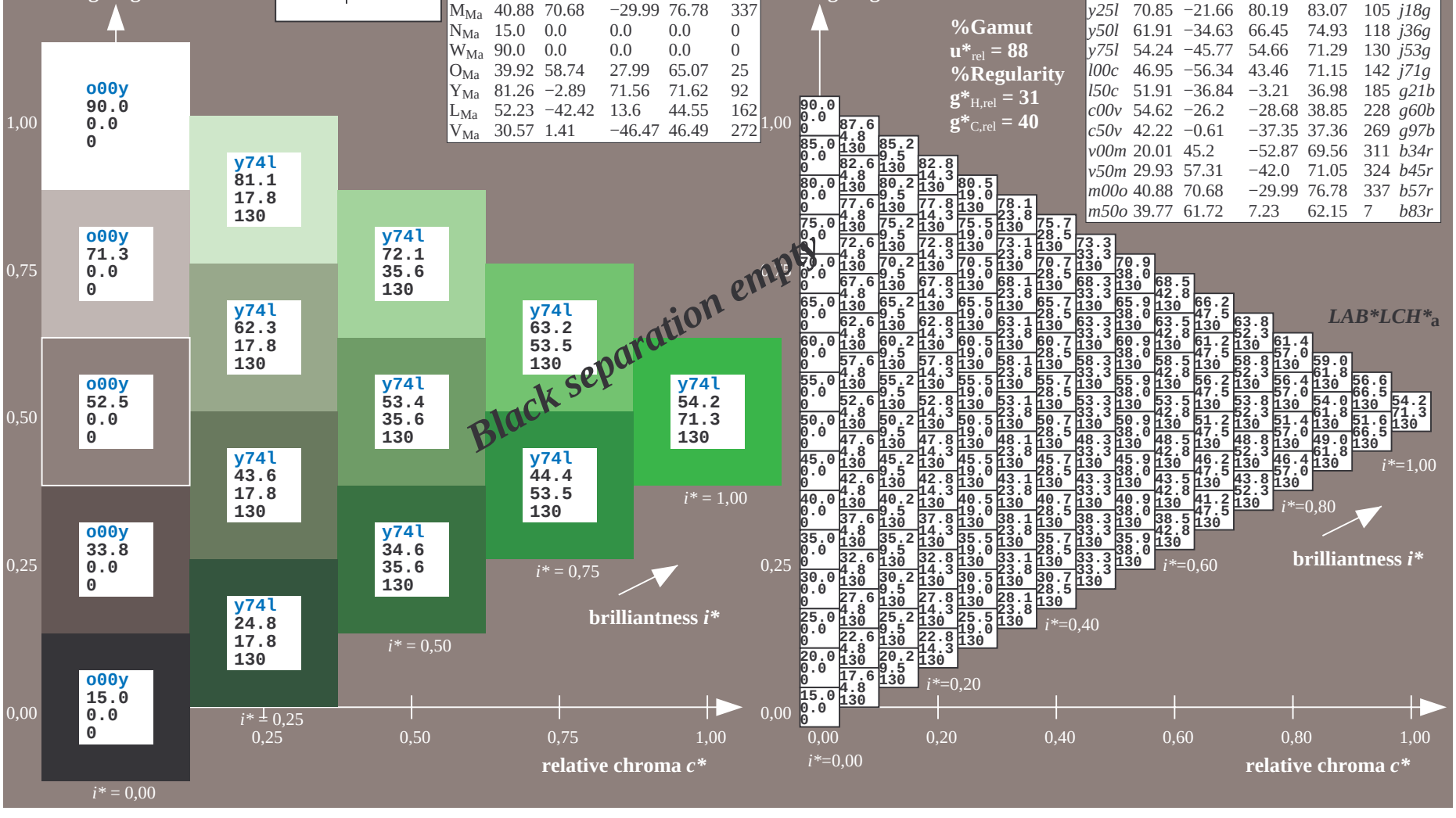
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 54 −46 55**
LAB*LCH*$_{Ma}$**: 54 71 129**
lab*olv*$_{Ma}$**: 0.25 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.46 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = y75l
LAB*LCH*a

FRS09_92aM; adapted (a) CIELAB data

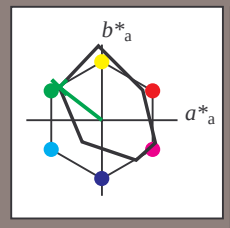
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.395**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

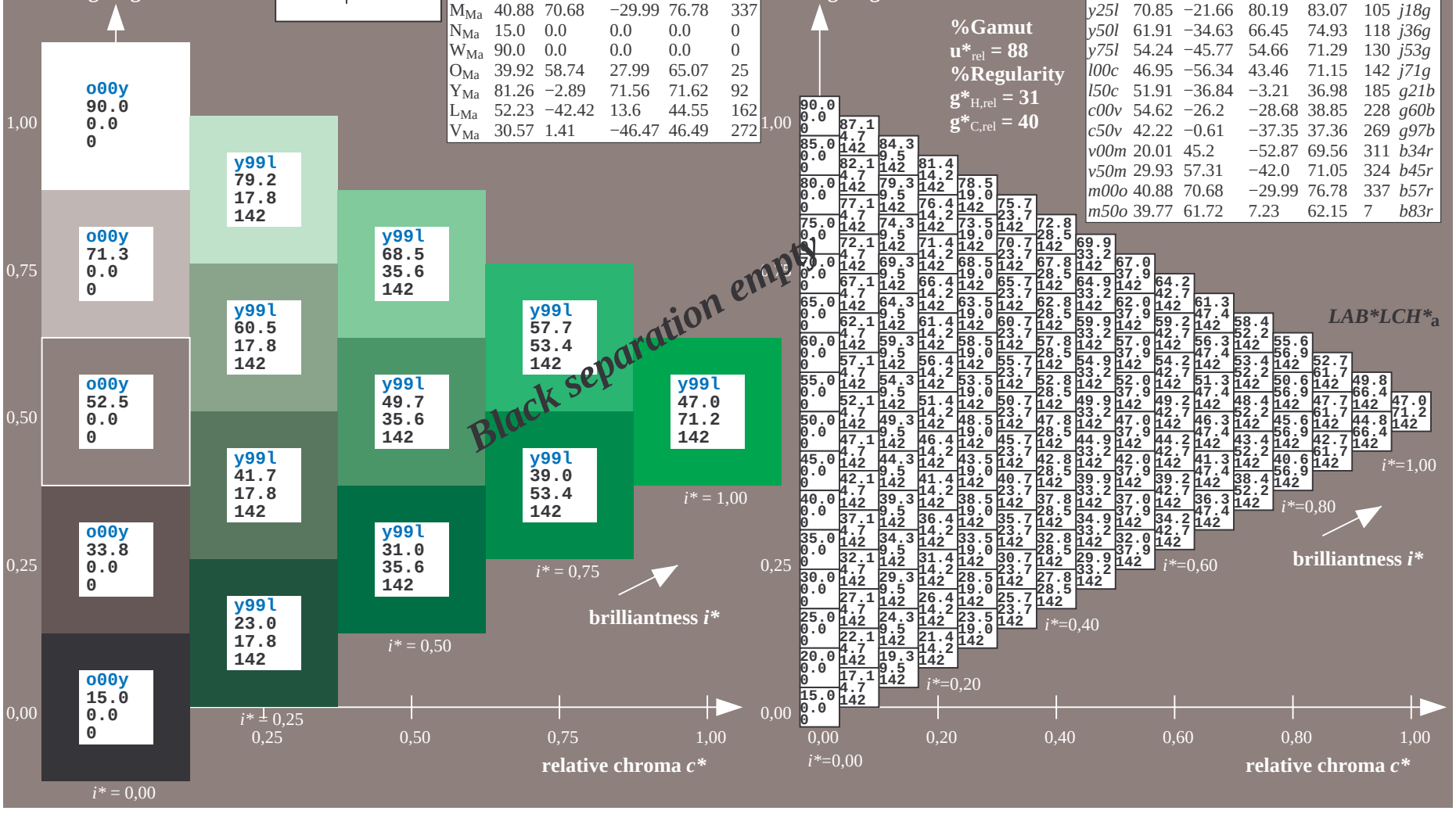
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −56 43
*LAB*LCH**$_{Ma}$: 47 71 142
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

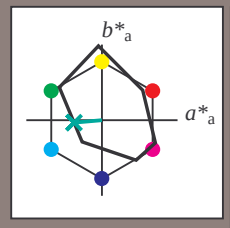
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

*u*d = l00c*
*LAB*LCH*a*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

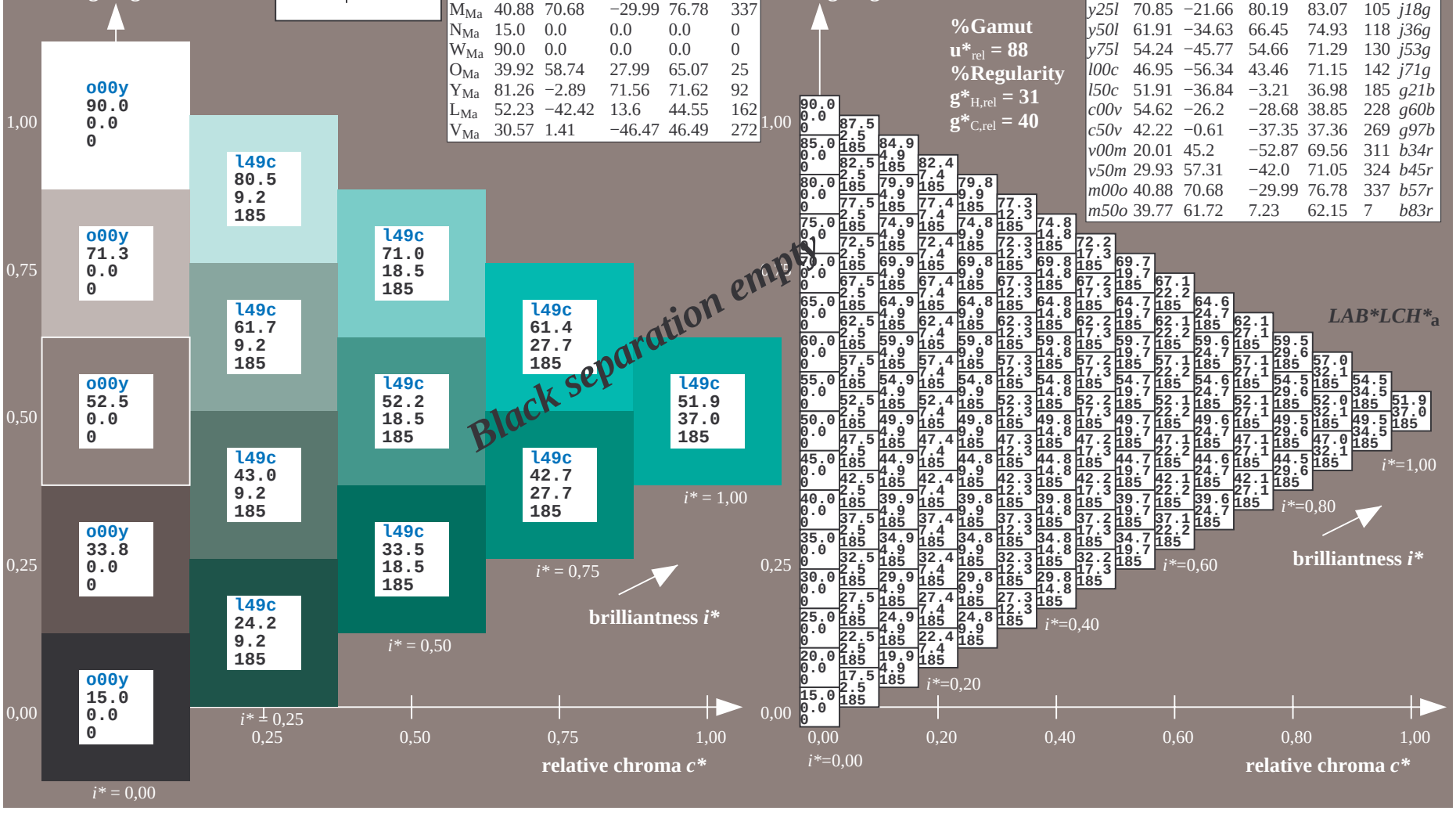
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l50c*
LAB*LCH*$^*_a$

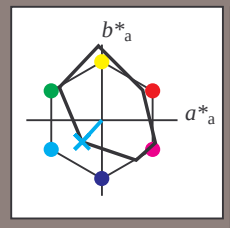
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

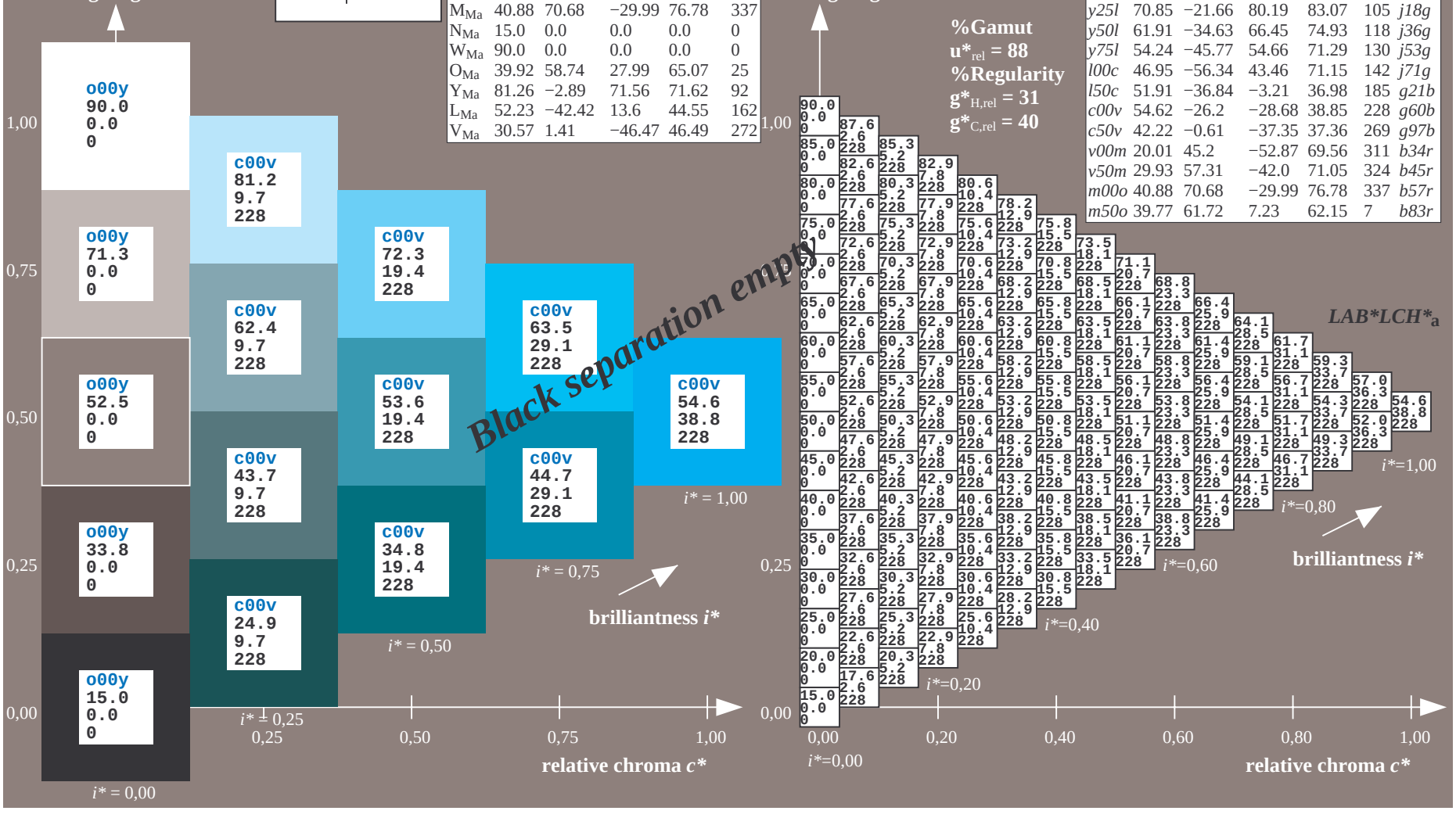
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −26 −29
*LAB*LCH**$_{Ma}$: 55 39 227
*lab*olv**$_{Ma}$: 0.0 1.0 1.0
*lab*rgb**$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 88$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

u^*_d = *c00v*
*LAB*LCH**$_a$

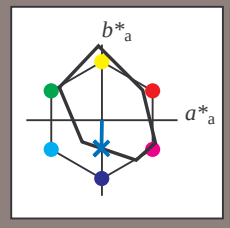
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

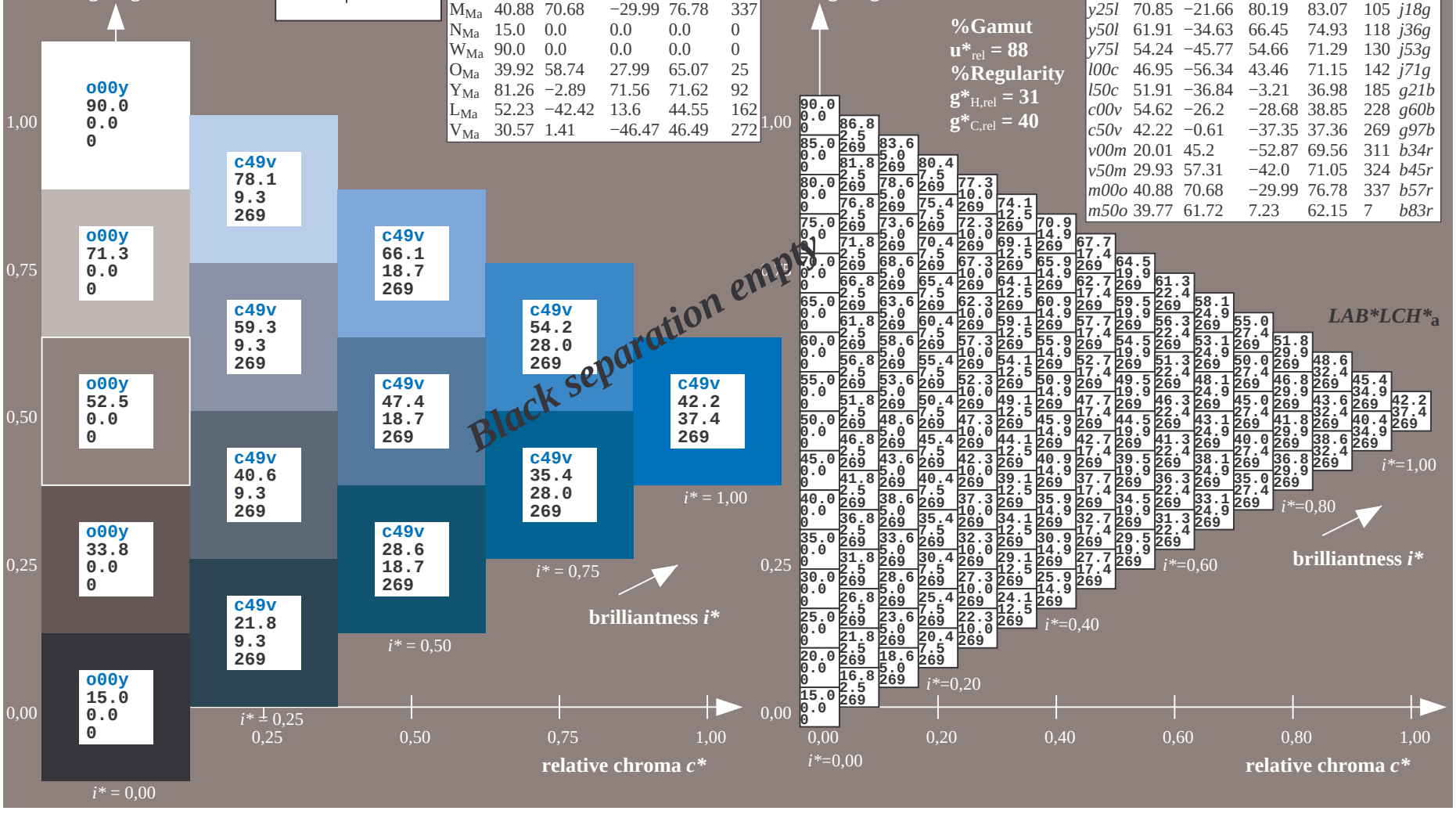
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 −1 −37
*LAB*LCH**$_{Ma}$: 42 37 269
*lab*olv**$_{Ma}$: 0.0 0.5 1.0
*lab*rgb**$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
*LAB*LCH**$_a$

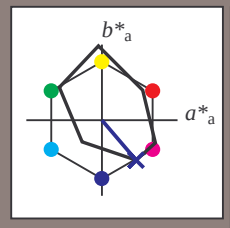
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

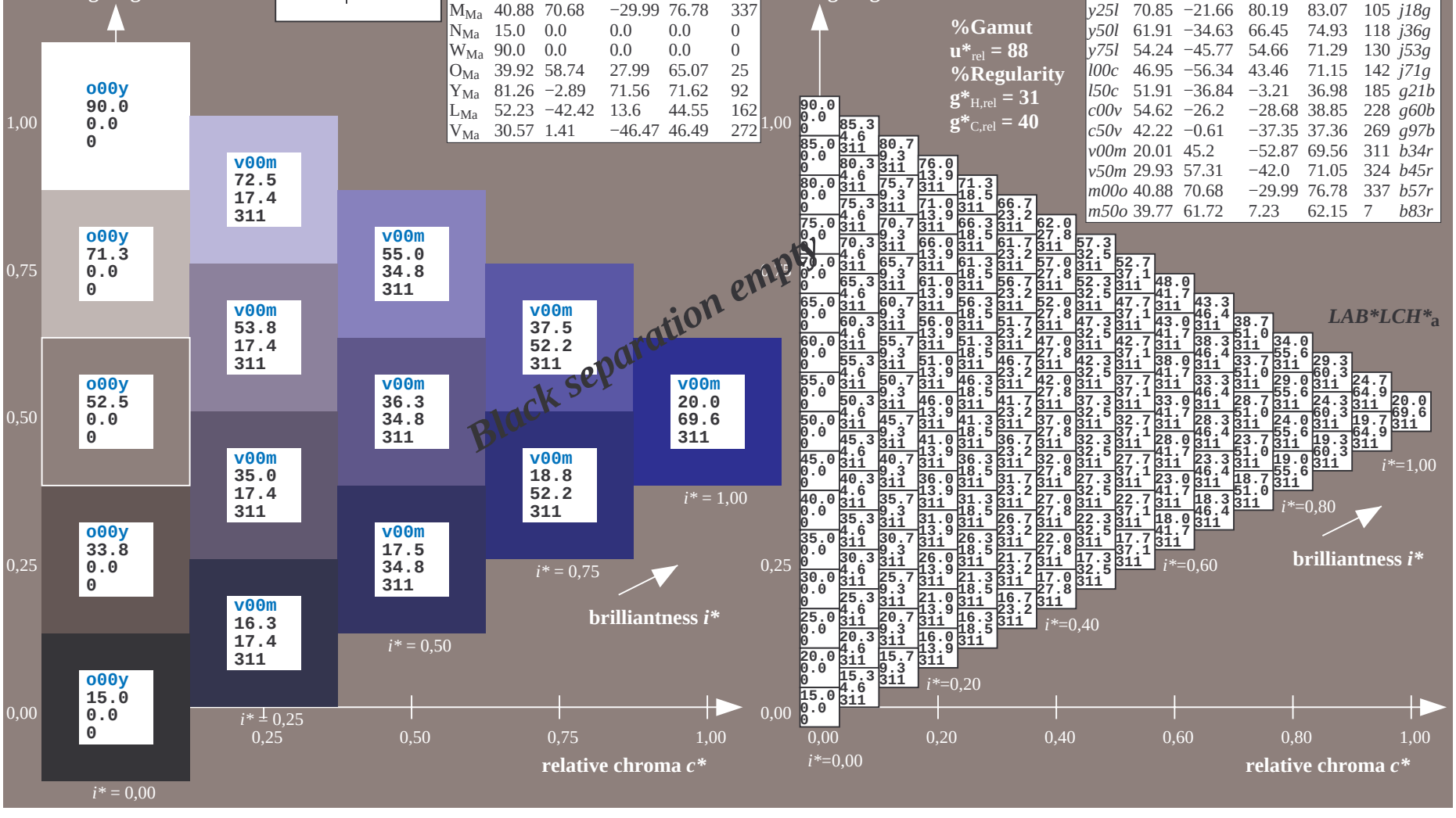
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
*LAB*LCH**$_a$

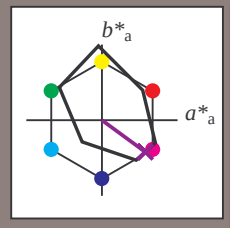
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

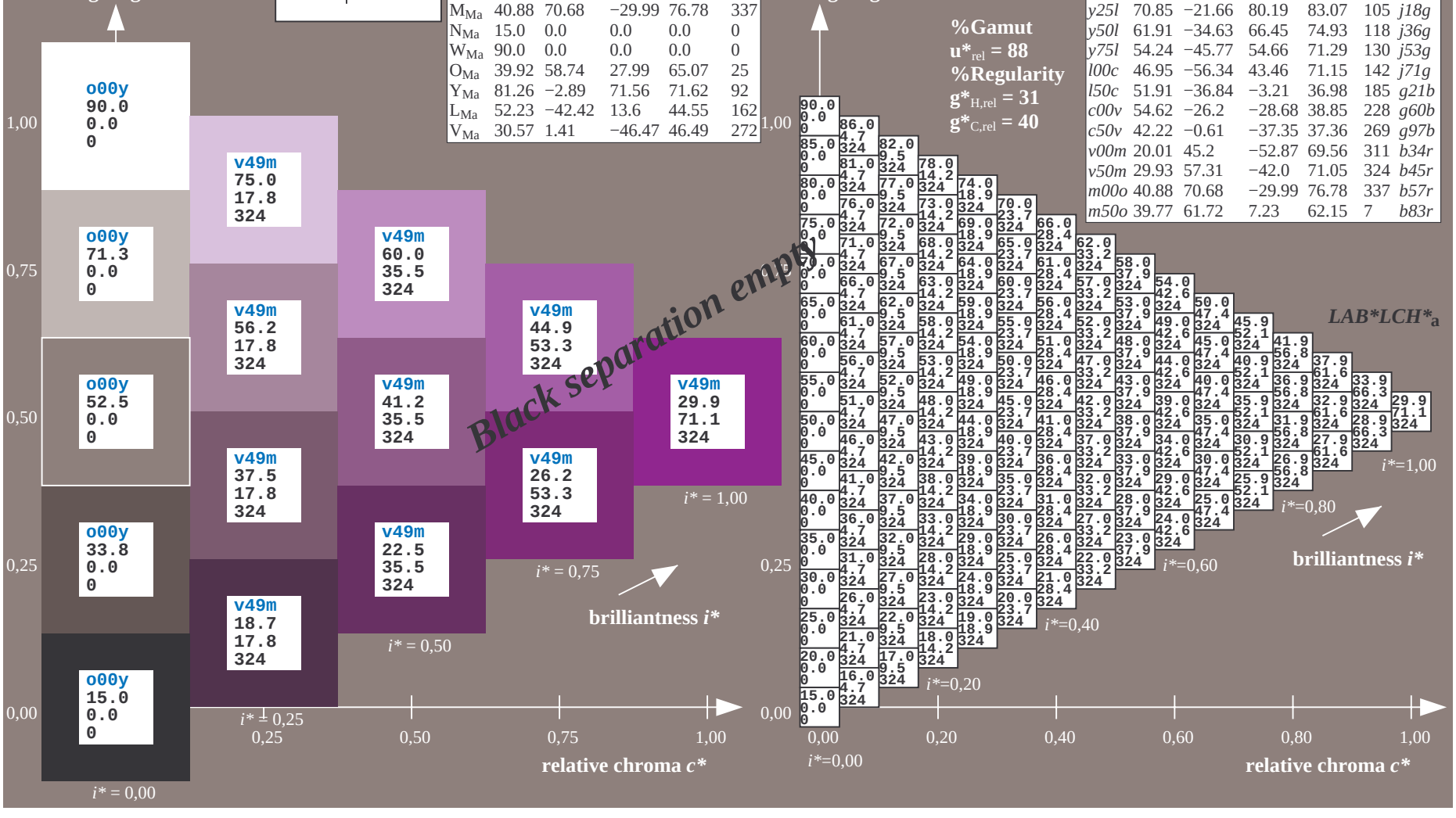
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

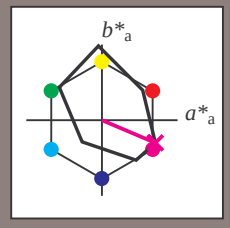
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

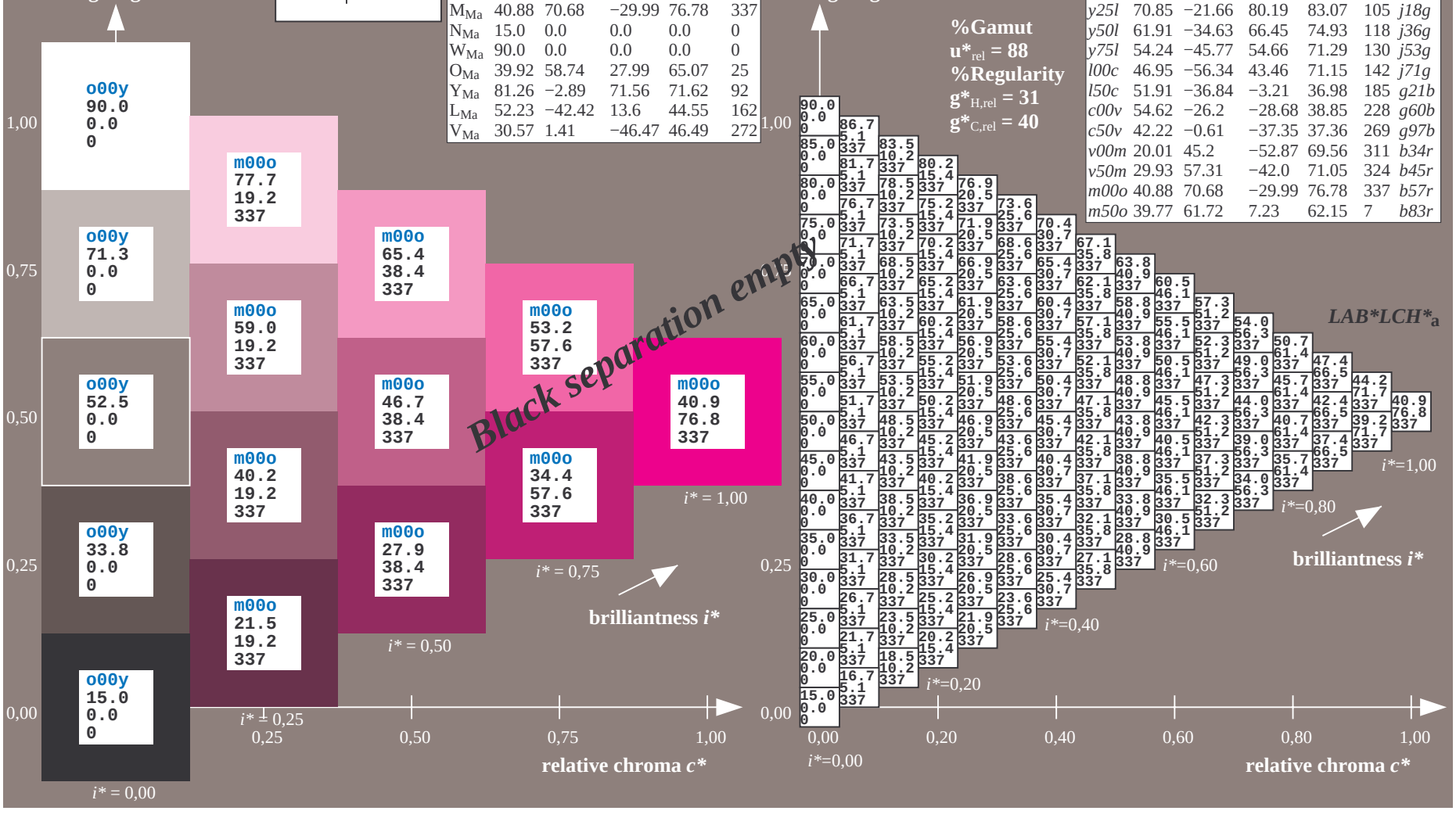
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 41 71 −30
*LAB*LCH**$_{Ma}$: 41 77 337
*lab*olv**$_{Ma}$: 1.0 0.0 1.0
*lab*rgb**$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

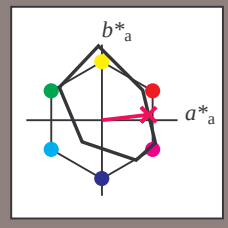
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

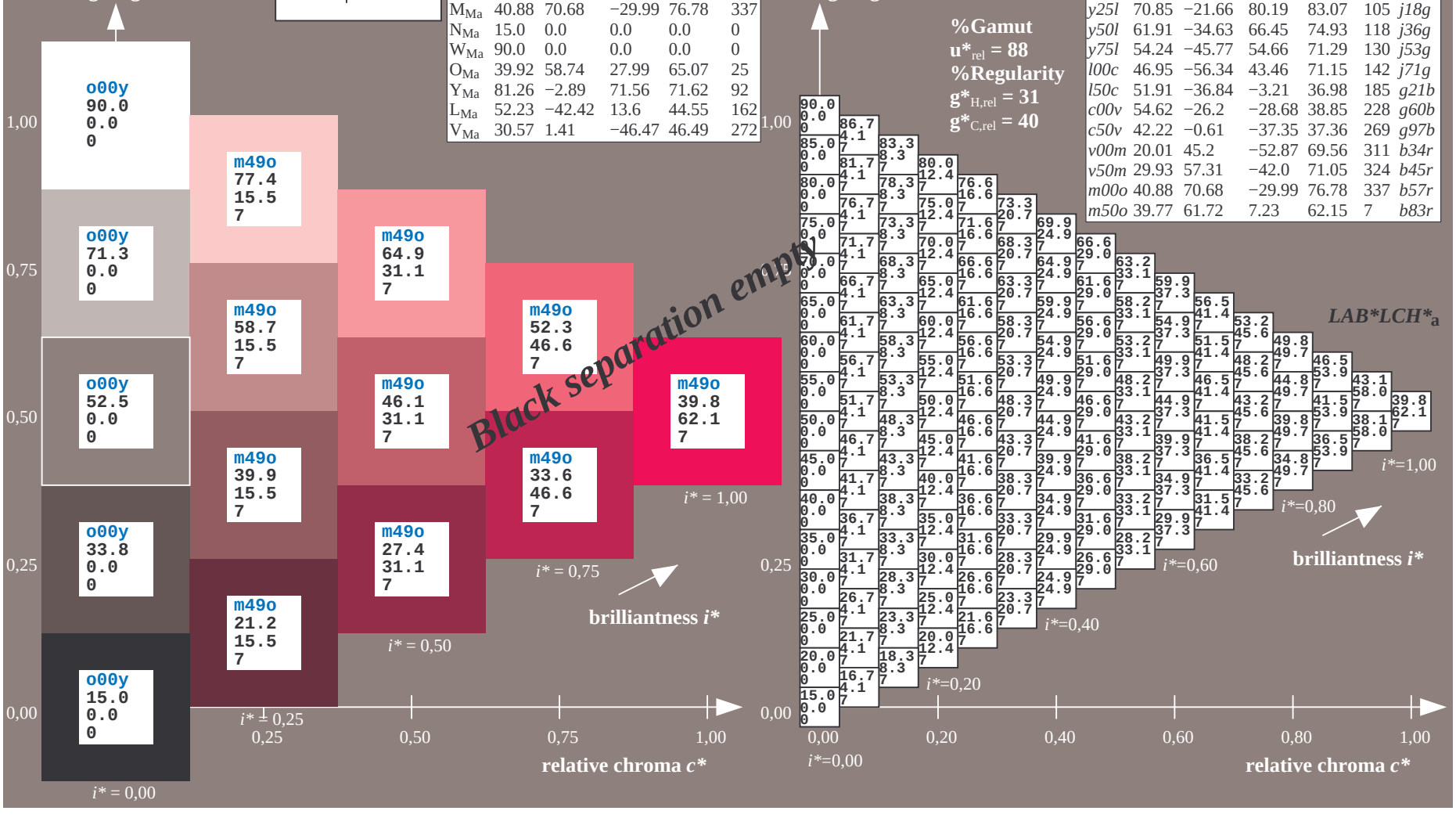
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = m50o
LAB*LCH*a

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
01	15.0 0.0 0	19.0 8.9 142	23.0 17.8 142	27.0 26.7 142	31.0 35.6 142	35.0 44.5 142	39.0 53.4 142	43.0 62.3 142	47.0 71.2 142	18.0 8.4 36	23.4 12.3 93	26.7 18.7 118	30.6 27.0 126	34.6 35.6 130	38.6 44.4 132	42.6 53.2 134	46.6 62.0 135	50.6 70.8 136	21.0 16.7 36	25.4 17.6 65
02	15.6 8.7 311	20.0 4.9 228	24.2 9.2 185	28.4 15.6 171	32.6 22.7 164	36.7 30.2 159	40.8 38.1 157	44.9 46.2 155	48.9 54.4 153	18.2 9.6 337	24.4 0.0 0	28.4 8.9 142	32.4 17.8 142	36.4 26.7 142	40.4 35.6 142	44.3 44.5 142	48.3 53.4 142	52.3 62.3 142	21.2 15.5 7	27.4 8.4 36
03	16.3 17.4 311	21.8 9.3 269	24.9 9.7 228	29.2 13.2 199	33.5 18.5 185	37.7 24.5 176	41.9 31.1 171	46.1 38.1 167	50.2 45.3 164	18.7 17.8 324	25.0 8.7 311	29.3 4.9 228	33.6 9.2 185	37.8 15.6 171	42.0 22.7 164	46.1 30.2 159	50.2 38.1 157	54.3 46.2 155	21.5 19.2 337	27.6 9.6 337
04	16.9 26.1 311	23.4 15.7 283	26.7 13.4 255	29.9 14.6 228	34.1 17.7 206	38.4 22.3 193	42.7 27.7 185	46.9 33.7 179	51.2 40.0 174	19.3 26.3 319	25.6 17.4 311	31.2 9.3 269	34.3 9.7 228	38.6 13.2 199	42.8 18.5 185	47.1 24.5 176	51.3 31.1 171	55.4 38.1 167	21.9 27.2 328	28.1 17.8 324
05	17.5 34.8 311	24.7 22.7 290	28.6 18.7 269	31.6 17.8 248	34.8 19.4 228	39.1 22.2 211	43.4 26.5 199	47.6 31.5 191	51.9 37.0 185	20.0 34.9 317	26.3 26.1 311	32.8 15.7 283	36.1 13.4 255	39.2 14.6 228	43.5 17.7 206	47.8 22.3 193	52.1 27.7 185	56.3 33.7 179	22.5 35.5 324	28.7 26.3 319
06	18.1 43.5 311	25.9 30.2 294	30.3 24.8 277	33.6 22.5 261	36.6 22.4 244	39.8 24.3 228	44.0 26.9 213	48.3 30.8 203	52.6 35.5 196	20.6 43.6 316	26.9 34.8 311	34.1 22.7 290	38.0 18.7 269	41.0 17.8 248	44.2 19.4 228	48.4 22.2 211	52.7 26.5 199	57.0 31.5 191	23.1 44.0 321	29.3 34.9 317
07	18.8 52.2 311	26.9 38.0 297	31.8 31.3 283	35.4 28.0 269	38.5 26.7 255	41.5 27.1 241	44.7 29.1 228	48.9 31.6 215	53.2 35.3 206	21.2 52.2 315	27.5 43.5 311	35.3 30.2 294	39.7 24.8 277	43.0 22.5 261	45.9 22.4 244	49.1 24.3 228	53.4 26.9 213	57.7 30.8 203	23.7 52.6 319	30.0 43.6 316
08	19.4 60.9 311	27.9 46.0 299	33.2 38.3 287	37.1 34.0 275	40.4 31.8 263	43.4 31.1 251	46.4 31.8 239	49.7 34.0 228	53.9 36.4 217	21.8 60.9 314	28.1 52.2 311	36.3 38.0 297	41.2 31.3 283	44.8 28.0 269	47.9 26.7 255	50.8 27.1 241	54.1 29.1 228	58.3 31.6 215	24.3 61.2 318	30.6 52.2 315
09	20.0 69.6 311	28.7 54.1 300	34.5 45.5 290	38.7 40.3 279	42.2 37.4 269	45.3 35.9 259	48.3 35.6 248	51.3 36.6 238	54.6 38.8 228	22.5 69.6 314	28.8 60.9 311	37.2 46.0 299	42.6 38.3 287	46.5 34.0 275	49.8 31.8 263	52.8 31.1 251	55.8 31.8 239	59.0 34.0 228	24.9 69.8 317	31.2 60.9 314
10	23.9 25.1 36	28.3 25.2 55	33.2 28.4 74	40.3 36.9 93	42.9 41.5 105	46.4 48.5 113	50.2 56.2 118	54.1 64.3 121	58.0 72.6 124	26.9 33.5 36	31.2 33.2 50	35.8 35.1 65	41.2 39.7 79	48.8 49.2 93	51.2 53.4 103	54.5 59.8 109	58.1 67.1 114	61.9 74.9 118	29.9 41.8 36	34.2 41.4 48
11	24.2 23.2 17	30.3 16.7 36	34.8 17.6 65	41.3 24.6 93	44.1 29.9 109	47.8 37.5 118	51.7 45.6 122	55.7 54.1 126	59.6 62.6 128	27.2 31.2 22	33.3 25.1 36	37.6 25.2 55	42.5 28.4 74	49.7 36.9 93	52.3 41.5 105	55.8 48.5 113	59.6 56.2 118	63.4 64.3 121	30.1 39.3 24	36.3 33.5 36
12	24.4 24.2 357	30.6 15.5 7	36.7 8.4 36	42.2 12.3 93	45.5 18.7 118	49.4 27.0 126	53.4 35.6 130	57.4 44.4 132	61.4 53.2 134	27.4 31.1 7	33.5 23.2 17	39.7 16.7 36	44.1 17.6 65	50.6 24.6 93	53.5 29.9 109	57.2 37.5 118	61.1 45.6 122	65.0 54.1 126	30.4 38.6 13	36.5 31.2 22
13	24.7 28.8 337	30.8 19.2 337	37.0 9.6 337	43.1 0.0 0	47.1 8.9 142	51.1 17.8 142	55.1 26.7 142	59.1 35.6 142	63.1 44.5 142	27.6 33.2 352	33.8 24.2 357	39.9 15.5 7	46.1 8.4 36	51.6 12.3 93	54.9 18.7 118	58.8 27.0 126	62.7 35.6 130	66.7 44.4 132	30.6 39.5 1	36.8 31.1 7
14	25.1 36.7 330	31.3 27.2 328	37.5 17.8 324	43.8 8.7 311	48.1 4.9 228	52.4 9.2 185	56.6 15.6 171	60.7 22.7 164	64.9 30.2 159	27.9 38.4 337	34.1 28.8 337	40.2 19.2 337	46.4 9.6 337	52.5 0.0 0	56.5 8.9 142	60.5 17.8 142	64.5 26.7 142	68.5 35.6 142	30.9 42.4 [illegible]	[illegible] 33.2 352
15	25.6 44.9 326	31.8 35.5 324	38.1 26.3 319	44.4 17.4 311	49.9 9.3 269	53.0 9.7 228	57.3 13.2 199	61.6 18.5 185	65.8 24.5 176	28.3 46.2 332	34.5 36.7 330	40.6 27.2 328	46.9 17.8 324	53.1 8.7 311	57.5 4.9 228	61.7 9.2 185	65.9 [illegible] [illegible]	[illegible] [illegible] 164	31.2 48.0 337	37.3 38.4 337
16	26.2 53.3 324	32.4 44.0 321	38.7 34.9 317	45.0 26.1 311	51.5 15.7 283	54.9 13.4 255	58.0 14.6 228	62.2 17.7 206	66.5 22.3 193	28.8 54.3 328	35.0 44.9 326	41.2 35.5 324	47.5 26.3 319	53.8 17.4 311	59.3 [illegible] [illegible]	[illegible] [illegible] 228	[illegible] 13.2 199	71.0 18.5 185	31.5 55.7 333	37.7 46.2 332
17	26.8 61.8 322	33.1 52.6 319	39.3 43.6 316	45.6 34.8 311	52.9 22.7 290	56.7 18.7 269	59.8 17.8 248	62.9 19.4 228	67.2 22.2 211	29.3 62.6 326	35.6 53.3 324	41.8 44.0 321	48.1 [illegible] [illegible]	[illegible] [illegible] [illegible]	60.9 15.7 283	64.2 13.4 255	67.4 14.6 228	71.6 17.7 206	32.0 63.8 329	38.2 54.3 328
18	27.4 70.3 320	33.7 61.2 318	40.0 52.2 315	46.3 43.5 311	54.0 30.2 294	58.4 24.8 277	61.7 22.5 261	64.7 22.4 244	67.9 24.3 228	29.9 71.1 324	36.2 61.8 322	42.4 52.6 319	[illegible] 43.6 316	55.0 34.8 311	62.2 22.7 290	66.1 18.7 269	69.1 17.8 248	72.3 19.4 228	32.5 72.0 327	38.7 62.6 326
19	32.9 50.2 36	37.2 49.6 46	41.5 50.4 55	46.2 52.7 65	51.3 56.7 74	57.6 63.3 83	65.7 73.7 93	67.9 77.4 100	70.9 83.1 105	35.8 58.6 36	40.2 57.9 44	44.5 58.4 52	49.0 60.1 61	53.8 63.2 69	59.3 68.0 77	65.9 75.2 85	74.1 86.0 93	76.2 89.5 99	38.8 66.9 36	43.1 66.2 43
20	33.1 47.5 26	39.3 41.8 36	43.6 41.4 48	48.0 42.6 59	52.9 45.7 70	58.7 51.4 81	66.6 61.5 93	68.9 65.4 101	72.0 71.4 107	36.1 55.7 28	42.2 50.2 36	46.6 49.6 46	50.9 50.4 55	55.5 52.7 65	60.7 56.7 74	67.0 63.3 83	75.1 73.7 93	77.2 77.4 100	39.1 64.0 29	45.2 58.6 36
21	33.3 46.3 17	39.5 39.3 24	45.7 33.5 36	50.0 33.2 50	54.5 35.1 65	59.9 39.7 79	67.5 49.2 93	69.9 53.4 103	73.2 59.8 109	36.3 54.3 19	42.5 47.5 26	48.6 41.8 36	53.0 41.4 48	57.4 42.6 59	62.2 45.7 70	68.1 51.4 81	76.0 61.5 93	78.3 65.4 101	39.3 62.3 22	45.5 55.7 28
22	33.6 46.6 7	39.7 38.6 13	45.9 31.2 22	52.1 25.1 36	56.4 25.2 55	61.3 28.4 74	68.5 36.9 93	71.1 41.5 105	74.5 48.5 113	36.6 54.0 11	42.7 46.3 17	48.9 39.3 24	55.0 33.5 36	59.4 33.2 50	63.9 35.1 65	69.3 39.7 79	76.9 49.2 93	79.3 53.4 103	39.5 61.7 14	45.7 54.3 19
23	33.8 48.3 357	40.0 39.5 1	46.1 31.1 7	52.3 23.2 17	58.5 16.7 36	62.9 17.6 65	69.4 24.6 93	72.2 29.9 109	76.0 37.5 118	36.8 55.0 2	43.0 46.6 7	49.1 38.6 13	55.3 31.2 22	61.4 25.1 36	65.8 25.2 55	70.7 28.4 74	77.8 36.9 93	80.4 41.5 105	39.8 62.1 7	45.9 54.0 11
24	34.1 51.8 347	40.2 42.4 349	46.4 33.2 352	52.5 24.2 357	58.7 15.5 7	64.9 8.4 36	70.3 12.3 93	73.6 18.7 118	77.5 27.0 126	37.0 57.3 354	43.2 48.3 357	49.3 39.5 1	55.5 31.1 7	61.7 23.2 17	67.8 16.7 36	72.3 17.6 65	78.8 24.6 93	81.6 29.9 109	40.0 63.7 359	46.2 55.0 2
25	34.4 57.6 337	40.5 48.0 337	46.7 38.4 337	52.8 28.8 337	59.0 19.2 337	65.1 9.6 337	71.3 0.0 0	75.2 8.9 142	79.2 17.8 142	37.3 61.2 345	43.5 51.8 347	49.6 42.4 349	55.8 33.2 352	61.9 24.2 357	68.1 15.5 7	74.2 8.4 36	79.7 12.3 93	83.0 18.7 118	40.3 66.4 352	46.4 57.3 354
26	34.7 65.3 333	40.9 55.7 333	47.1 46.2 332	53.2 36.7 330	59.4 27.2 328	65.6 17.8 324	71.9 8.7 311	76.2 4.9 228	80.5 9.2 185	37.6 67.2 337	43.8 57.6 337	49.9 48.0 337	56.1 38.4 337	62.2 28.8 337	68.3 19.2 337	74.5 9.6 337	80.6 0.0 0	84.6 8.9 142	40.5 70.6 344	46.7 61.2 345
27	35.2 73.3 330	41.4 63.8 329	47.5 54.3 328	53.7 44.9 326	60.0 35.5 324	66.2 26.3 319	72.5 17.4 311	78.1 9.3 269	81.2 9.7 228	38.0 74.9 334	44.1 65.3 333	50.3 55.7 333	56.4 46.2 332	62.6 36.7 330	68.8 27.2 328	75.0 17.8 324	81.3 8.7 311	85.6 4.9 228	40.9 76.8 337	47.0 67.2 337

	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a		
01	31.9 24.6 93	34.7 29.9 109	38.5 37.5 118	42.3 45.6 122	46.3 54.1 126	50.3 62.6 128	54.2 71.3 130	90.0 0.0 0	83.6 8.4 36	77.2 16.7 36	70.8 25.1 36	64.4 33.5 36	58.0 41.8 36	51.6 50.2 36	45.2 58.6 36	38.8 66.9 36	15.0 0.0 0	15.0 0.0 0	15.0 0.0 0	15.0 0.0 0
02	32.8 12.3 93	36.1 18.7 118	40.0 27.0 126	44.0 35.6 130	48.0 44.4 132	52.0 53.2 134	56.0 62.0 135	85.6 4.9 228	80.6 0.0 0	74.2 8.4 36	67.8 16.7 36	61.4 25.1 36	55.0 33.5 36	48.6 41.8 36	42.2 50.2 36	35.8 58.6 36	24.4 0.0 0	24.4 0.0 0	24.4 0.0 0	24.4 0.0 0
03	33.8 0.0 0	37.7 8.9 142	41.7 17.8 142	45.7 26.7 142	49.7 35.6 142	53.7 44.5 142	57.7 53.4 142	81.2 9.7 228	76.2 4.9 228	71.3 0.0 0	64.9 8.4 36	58.5 16.7 36	52.1 25.1 36	45.7 33.5 36	39.3 41.8 36	32.9 50.2 36	33.8 0.0 0	33.8 0.0 0	33.8 0.0 0	33.8 0.0 0
04	34.4 8.7 311	38.7 4.9 228	43.0 9.2 185	47.2 15.6 171	51.4 22.7 164	55.5 30.2 159	59.6 38.1 157	76.7 14.6 228	71.8 9.7 228	66.8 4.9 228	61.9 0.0 0	55.5 8.4 36	49.1 16.7 36	42.7 25.1 36	36.3 33.5 36	29.9 41.8 36	43.1 0.0 0	43.1 0.0 0	43.1 0.0 0	43.1 0.0 0
05	35.0 17.4 311	40.6 9.3 269	43.7 9.7 228	47.9 13.2 199	52.2 18.5 185	56.4 24.5 176	60.6 31.1 171	72.3 19.4 228	67.4 14.6 228	62.4 9.7 228	57.5 4.9 228	52.5 0.0 0	46.1 8.4 36	39.7 16.7 36	33.3 25.1 36	26.9 33.5 36	52.5 0.0 0	52.5 0.0 0	52.5 0.0 0	52.5 0.0 0
06	35.6 26.1 311	42.2 15.7 283	45.5 13.4 255	48.6 14.6 228	52.9 17.7 206	57.2 22.3 193	61.4 27.7 185	67.9 24.3 228	62.9 19.4 228	58.0 14.6 228	53.0 9.7 228	48.1 4.9 228	43.1 0.0 0	36.7 8.4 36	30.3 16.7 36	23.9 25.1 36	61.9 0.0 0	61.9 0.0 0	61.9 0.0 0	61.9 0.0 0
07	36.3 34.8 311	43.5 22.7 290	47.4 18.7 269	50.4 17.8 248	53.6 19.4 228	57.8 22.2 211	62.1 26.5 199	63.5 29.1 228	58.5 24.3 228	53.6 19.4 228	48.6 14.6 228	43.7 9.7 228	38.7 4.9 228	33.8 0.0 0	27.4 8.4 36	21.0 16.7 36	71.3 0.0 0	71.3 0.0 0	71.3 0.0 0	71.3 0.0 0
08	36.9 43.5 311	44.6 30.2 294	49.0 24.8 277	52.3 22.5 261	55.3 22.4 244	58.5 24.3 228	62.8 26.9 213	59.0 34.0 228	54.1 29.1 228	49.1 24.3 228	44.2 19.4 228	39.2 14.6 228	34.3 9.7 228	29.3 4.9 228	24.4 0.0 0	18.0 8.4 36	80.6 0.0 0	80.6 0.0 0	80.6 0.0 0	80.6 0.0 0
09	37.5 52.2 311	45.7 38.0 297	50.6 31.3 283	54.2 28.0 269	57.2 26.7 255	60.2 27.1 241	63.5 29.1 228	54.6 38.8 228	49.7 34.0 228	44.7 29.1 228	39.8 24.3 228	34.8 19.4 228	29.9 14.6 228	24.9 9.7 228	20.0 4.9 228	15.0 0.0 0	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0
10	38.6 42.6 59	43.5 45.7 70	49.3 51.4 81	57.2 61.5 93	59.5 65.4 101	62.6 71.4 107	66.2 78.3 111	90.0 0.0 0	89.1 12.3 93	88.1 24.6 93	87.2 36.9 93	86.3 49.2 93	85.4 61.5 93	84.4 73.7 93	83.5 86.0 93	82.6 98.3 93	15.0 0.0 0	15.0 0.0 0	15.0 0.0 0	15.0 0.0 0
11	40.6 33.2 50	45.1 35.1 65	50.6 39.7 79	58.2 49.2 93	60.6 53.4 103	63.9 59.8 109	67.5 67.1 114	81.3 8.7 311	80.6 0.0 0	79.7 12.3 93	78.8 24.6 93	77.8 36.9 93	76.9 49.2 93	76.0 61.5 93	75.1 73.7 93	74.1 86.0 93	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0	20.0 0.0 0
12	42.7 25.1 36	47.0 [illegible] [illegible]	51.9 28.4 74	59.1 36.9 93	61.7 41.5 105	65.2 48.5 113	68.9 56.2 118	72.5 17.4 311	71.9 8.7 311	71.3 0.0 0	70.3 12.3 93	69.4 24.6 93	68.5 36.9 93	67.5 49.2 93	66.6 61.5 93	65.7 73.7 93	25.0 0.0 0	25.0 0.0 0	25.0 0.0 0	25.0 0.0 0
13	[illegible] [illegible] 17	[illegible] [illegible] 36	53.5 17.6 65	60.0 24.6 93	62.9 29.9 109	66.6 37.5 118	70.5 45.6 122	63.8 26.1 311	63.1 17.4 311	62.5 8.7 311	61.9 0.0 0	60.9 12.3 93	60.0 24.6 93	59.1 36.9 93	58.2 49.2 93	57.2 61.5 93	30.0 0.0 0	30.0 0.0 0	30.0 0.0 0	30.0 0.0 0
14	43.2 24.2 357	49.3 15.5 7	55.5 8.4 36	60.9 12.3 93	64.2 18.7 118	68.1 27.0 126	72.1 35.6 130	55.0 34.8 311	54.4 26.1 311	53.8 17.4 311	53.1 8.7 311	52.5 0.0 0	51.6 12.3 93	50.6 24.6 93	49.7 36.9 93	48.8 49.2 93	35.0 0.0 0	35.0 0.0 0	35.0 0.0 0	35.0 0.0 0
15	43.5 28.8 337	49.6 19.2 337	55.7 9.6 337	61.9 0.0 0	65.9 8.9 142	69.9 17.8 142	73.9 26.7 142	46.3 43.5 311	45.6 34.8 311	45.0 26.1 311	44.4 17.4 311	43.8 8.7 311	43.1 0.0 0	42.2 12.3 93	41.3 24.6 93	40.3 36.9 93	40.0 0.0 0	40.0 0.0 0	40.0 0.0 0	40.0 0.0 0
16	43.8 36.7 330	50.0 27.2 328	56.2 17.8 324	62.5 8.7 311	66.8 4.9 228	71.1 9.2 185	75.3 15.6 171	37.5 52.2 311	36.9 43.5 311	36.3 34.8 311	35.6 26.1 311	35.0 17.4 311	34.4 8.7 311	33.8 0.0 0	32.8 12.3 93	31.9 24.6 93	45.0 0.0 0	45.0 0.0 0	45.0 0.0 0	45.0 0.0 0
17	44.4 44.9 326	50.6 35.5 324	56.8 26.3 319	63.1 17.4 311	68.7 9.3 269	71.8 9.7 228	76.1 13.2 199	28.8 60.9 311	28.1 52.2 311	27.5 43.5 311	26.9 34.8 311	26.3 26.1 311	25.6 17.4 311	25.0 8.7 311	24.4 0.0 0	23.4 12.3 93	50.0 0.0 0	50.0 0.0 0	50.0 0.0 0	50.0 0.0 0
18	44.9 53.3 324	51.2 44.0 321	57.5 34.9 317	63.8 26.1 311	70.3 15.7 283	73.6 13.4 255	76.7 14.6 228	20.0 69.6 311	19.4 60.9 311	18.8 52.2 311	18.1 43.5 311	17.5 34.8 311	16.9 26.1 311	16.3 17.4 311	15.6 8.7 311	15.0 0.0 0	55.0 0.0 0	55.0 0.0 0	55.0 0.0 0	55.0 0.0 0
19	47.5 66.5 50	51.9 67.8 57	56.5 70.2 65	61.6 74.0 72	67.4 79.5 79	74.2 87.2 86	82.6 98.3 93	90.0 0.0 0	84.6 8.9 142	79.2 17.8 142	73.9 26.7 142	68.5 35.6 142	63.1 44.5 142	57.7 53.4 142	52.3 62.3 142	47.0 71.2 142	60.0 0.0 0	60.0 0.0 0	60.0 0.0 0	60.0 0.0 0
20	49.5 57.9 44	53.9 58.4 52	58.4 60.1 61	63.2 63.2 69	68.7 68.0 77	75.2 75.2 85	83.5 86.0 93	83.9 9.6 337	80.6 0.0 0	75.2 8.9 142	69.9 17.8 142	64.5 26.7 142	59.1 35.6 142	53.7 44.5 142	48.3 53.4 142	43.0 62.3 142	65.0 0.0 0	65.0 0.0 0	65.0 0.0 0	65.0 0.0 0
21	51.6 50.2 36	55.9 49.6 46	60.3 50.4 55	64.9 52.7 65	70.1 56.7 74	76.3 63.3 83	84.4 73.7 93	77.7 19.2 337	74.5 9.6 337	71.3 0.0 0	65.9 8.9 142	60.5 17.8 142	55.1 26.7 142	49.7 35.6 142	44.3 44.5 142	39.0 53.4 142	70.0 0.0 0	70.0 0.0 0	70.0 0.0 0	70.0 0.0 0
22	51.9 47.5 26	58.0 41.8 36	62.3 41.4 48	66.7 42.6 59	71.6 45.7 70	77.5 51.4 81	85.4 61.5 93	71.6 28.8 337	68.3 19.2 337	65.1 9.6 337	61.9 0.0 0	56.5 8.9 142	51.1 17.8 142	45.7 26.7 142	40.4 35.6 142	35.0 44.5 142	75.0 0.0 0	75.0 0.0 0	75.0 0.0 0	75.0 0.0 0
23	52.1 46.3 17	58.3 39.3 24	64.4 33.5 36	68.7 33.2 50	73.3 35.1 65	78.7 39.7 79	86.3 49.2 93	65.4 38.4 337	62.2 28.8 337	59.0 19.2 337	55.7 9.6 337	52.5 0.0 0	47.1 8.9 142	41.7 17.8 142	36.4 26.7 142	31.0 35.6 142	80.0 0.0 0	80.0 0.0 0	80.0 0.0 0	80.0 0.0 0
24	52.3 46.6 7	58.5 38.6 13	64.7 31.2 22	70.8 25.1 36	75.1 25.2 55	80.0 28.4 74	87.2 36.9 93	59.3 48.0 337	56.1 38.4 337	52.8 28.8 337	49.6 19.2 337	46.4 9.6 337	43.1 0.0 0	37.7 8.9 142	32.4 17.8 142	27.0 26.7 142	85.0 0.0 0	85.0 0.0 0	85.0 0.0 0	85.0 0.0 0
25	52.6 48.3 357	58.7 39.5 1	64.9 31.1 7	71.0 23.2 17	77.2 16.7 36	81.6 17.6 65	88.1 24.6 93	53.2 57.6 337	49.9 48.0 337	46.7 38.4 337	43.5 28.8 337	40.2 19.2 337	37.0 9.6 337	33.8 0.0 0	28.4 8.9 142	23.0 17.8 142	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0	90.0 0.0 0
26	52.8 51.8 347	59.0 42.4 349	65.1 33.2 352	71.3 24.2 357	77.4 15.5 7	83.6 8.4 36	89.1 12.3 93	47.0 67.2 337	43.8 57.6 337	40.5 48.0 337	37.3 38.4 337	34.1 28.8 337	30.8 19.2 337	27.6 9.6 337	24.4 0.0 0	19.0 8.9 142	15.0 0.0 0	38.8 66.9 36	82.6 98.3 93	47.0 71.2 142
27	53.2 57.6 337	59.3 48.0 337	65.4 38.4 337	71.6 28.8 337	77.7 19.2 337	83.9 9.6 337	90.0 0.0 0	40.9 76.8 337	37.6 67.2 337	34.4 57.6 337	31.2 48.0 337	27.9 38.4 337	24.7 28.8 337	21.5 19.2 337	18.2 9.6 337	15.0 0.0 0	90.0 0.0 0	54.6 38.8 228	20.0 69.6 311	40.9 76.8 337

Black separation empty

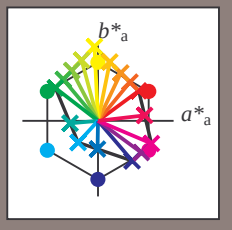
See for similar files: http://www.ps.bam.de/Ee63/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee63/10L/L63E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

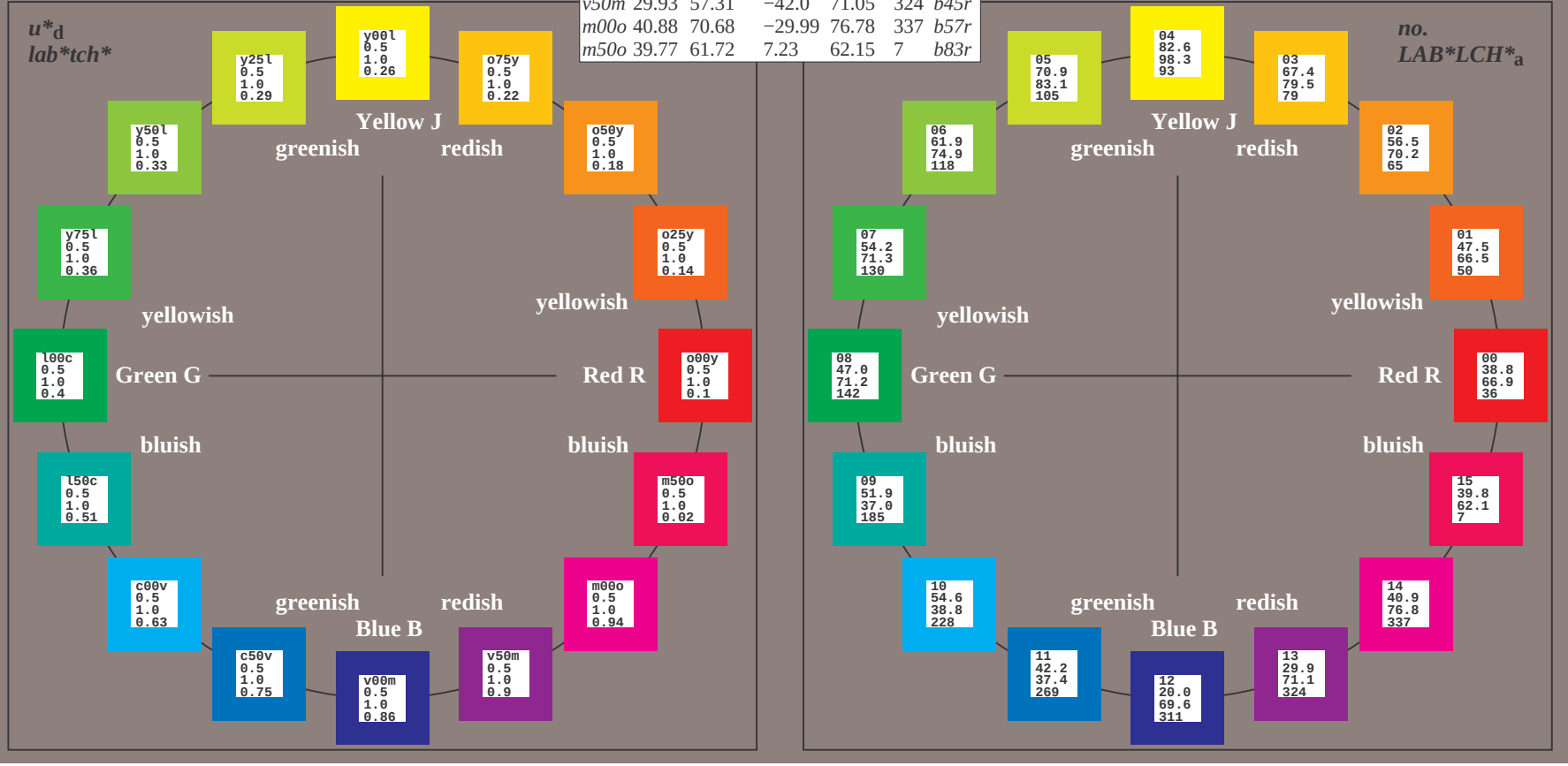
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

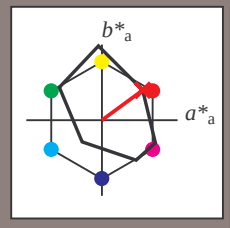
FRS09_92aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

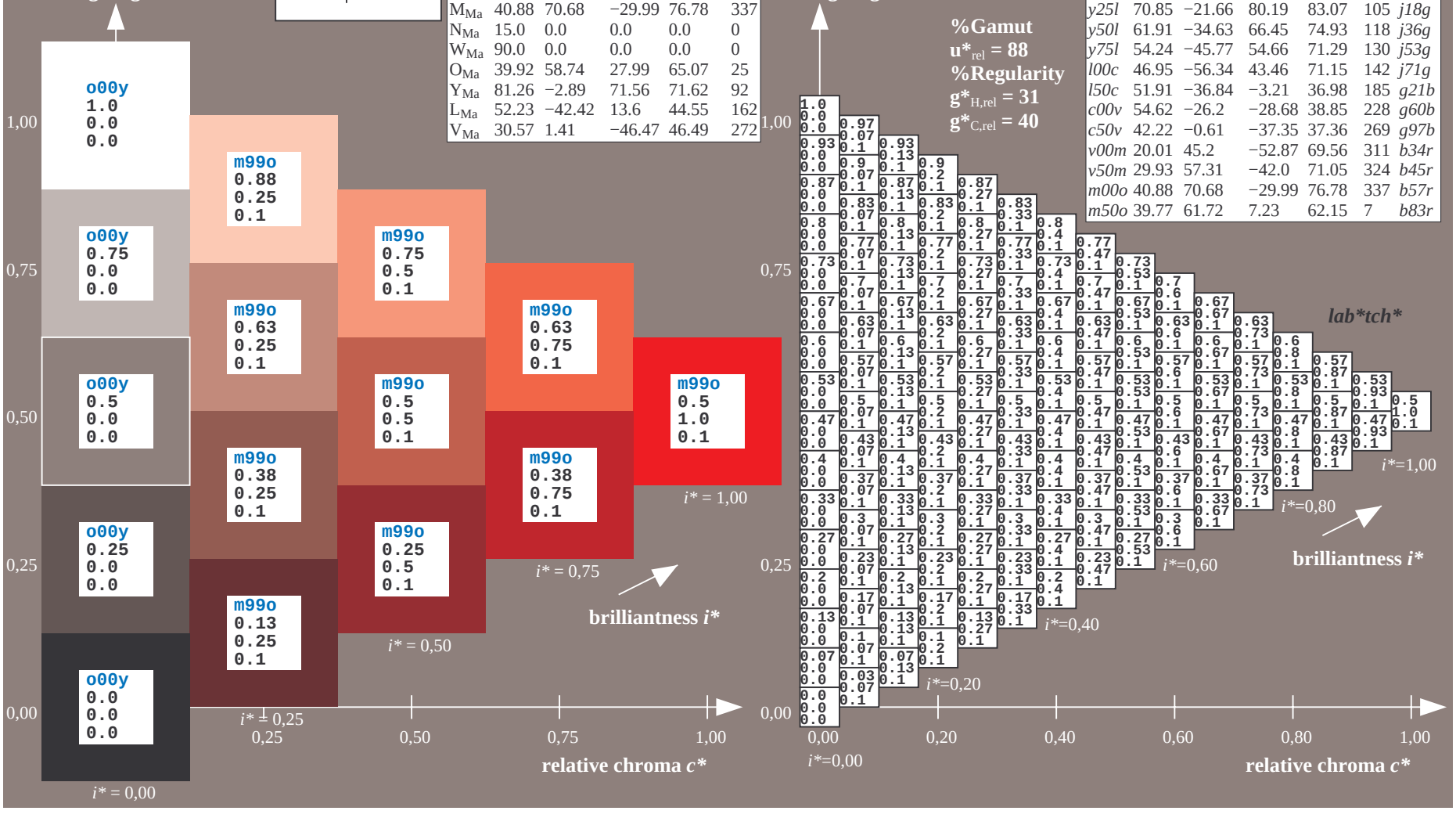
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*lab*tch**

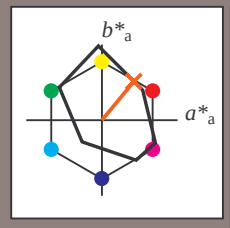
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

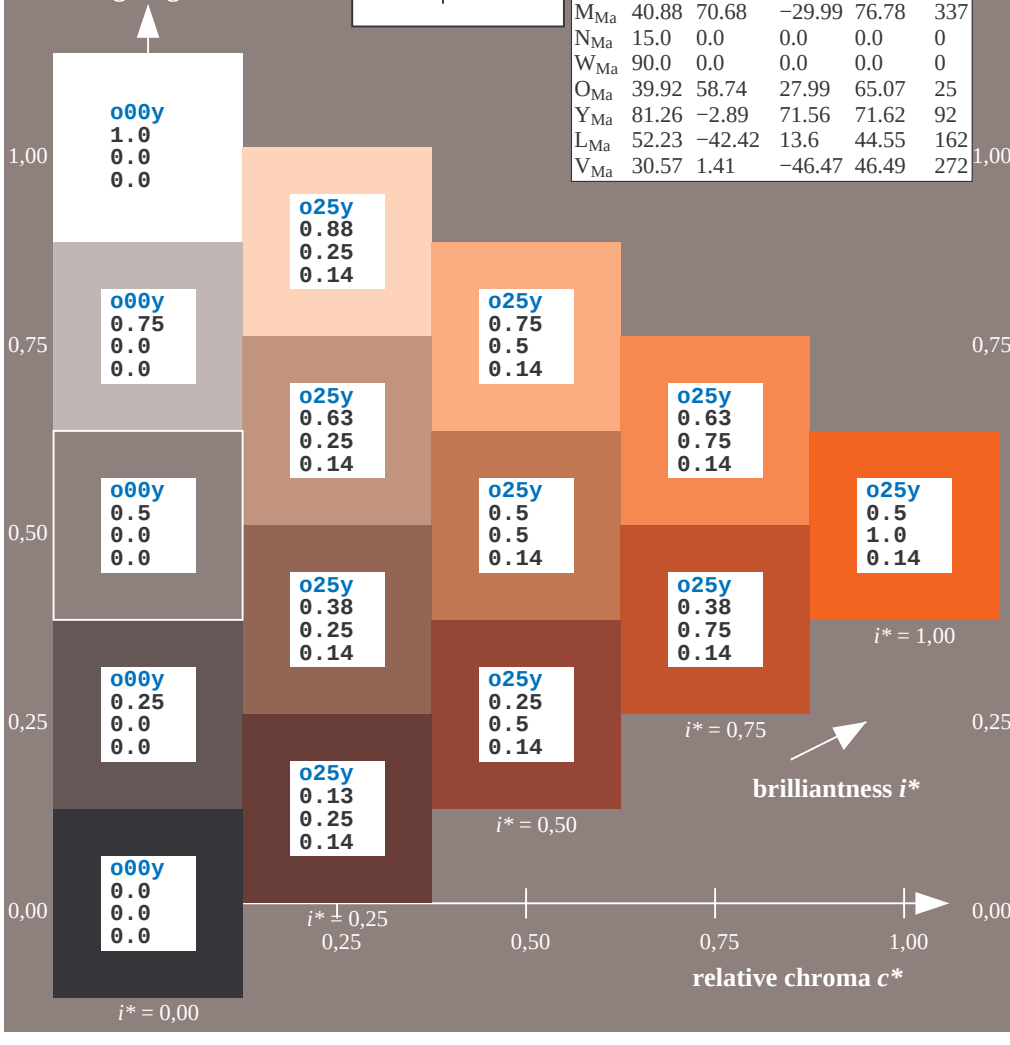
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

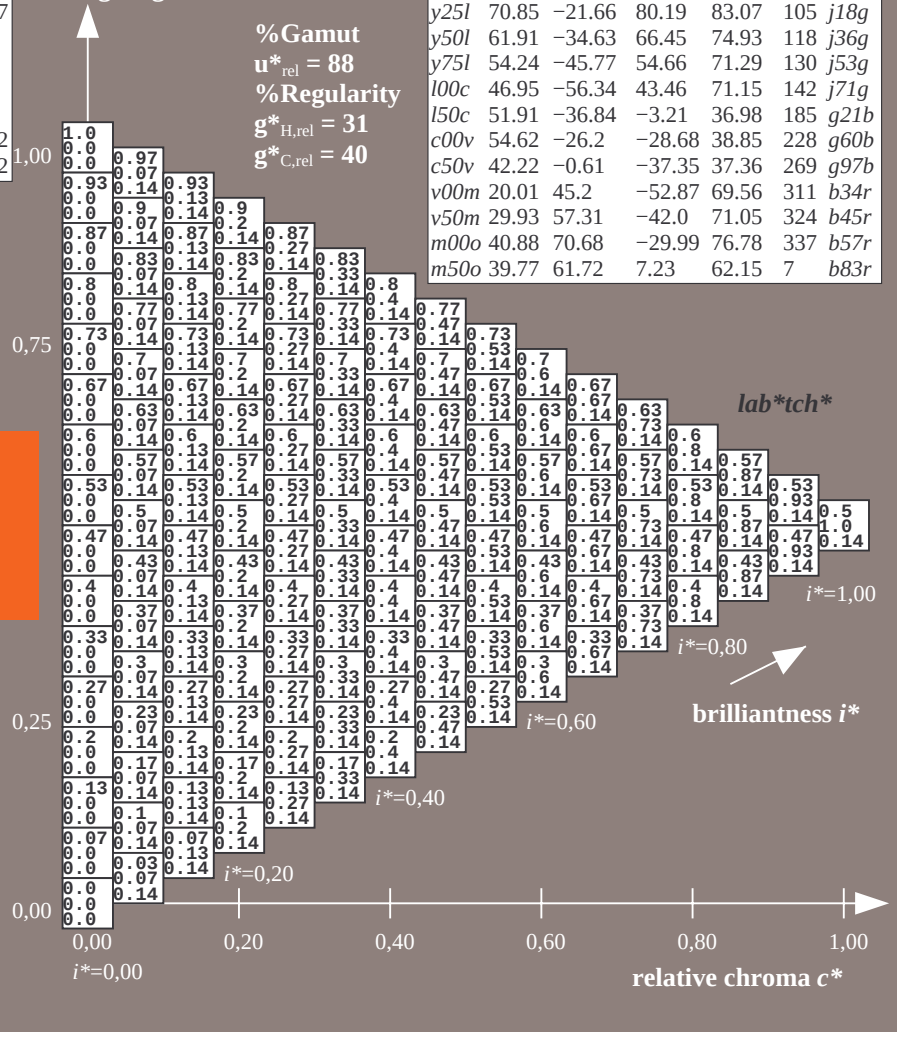
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*lab*tch**

FRS09_92aM; adapted (a) CIELAB data

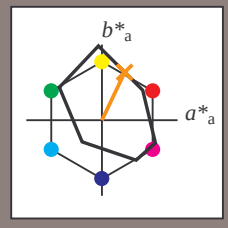
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

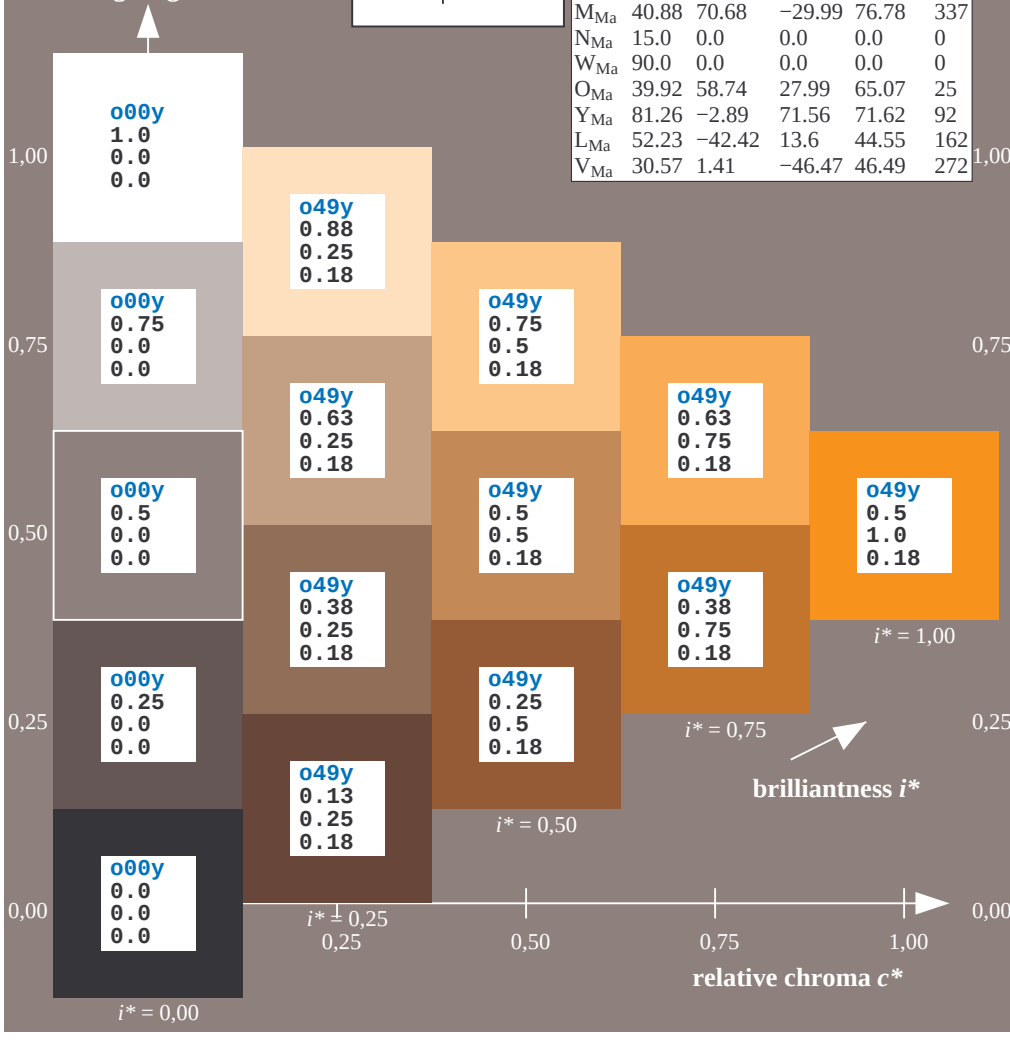
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

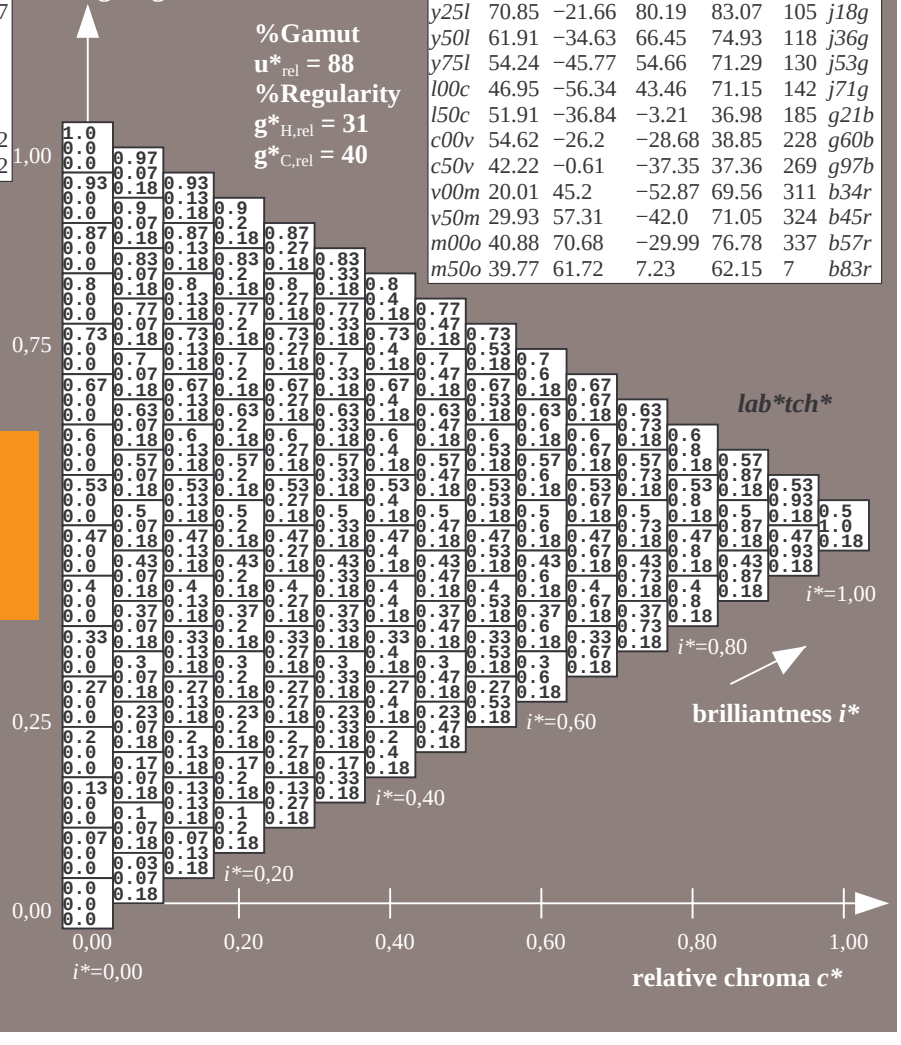
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
*lab*tch**

FRS09_92aM; adapted (a) CIELAB data

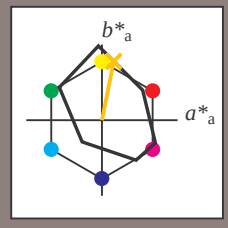
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

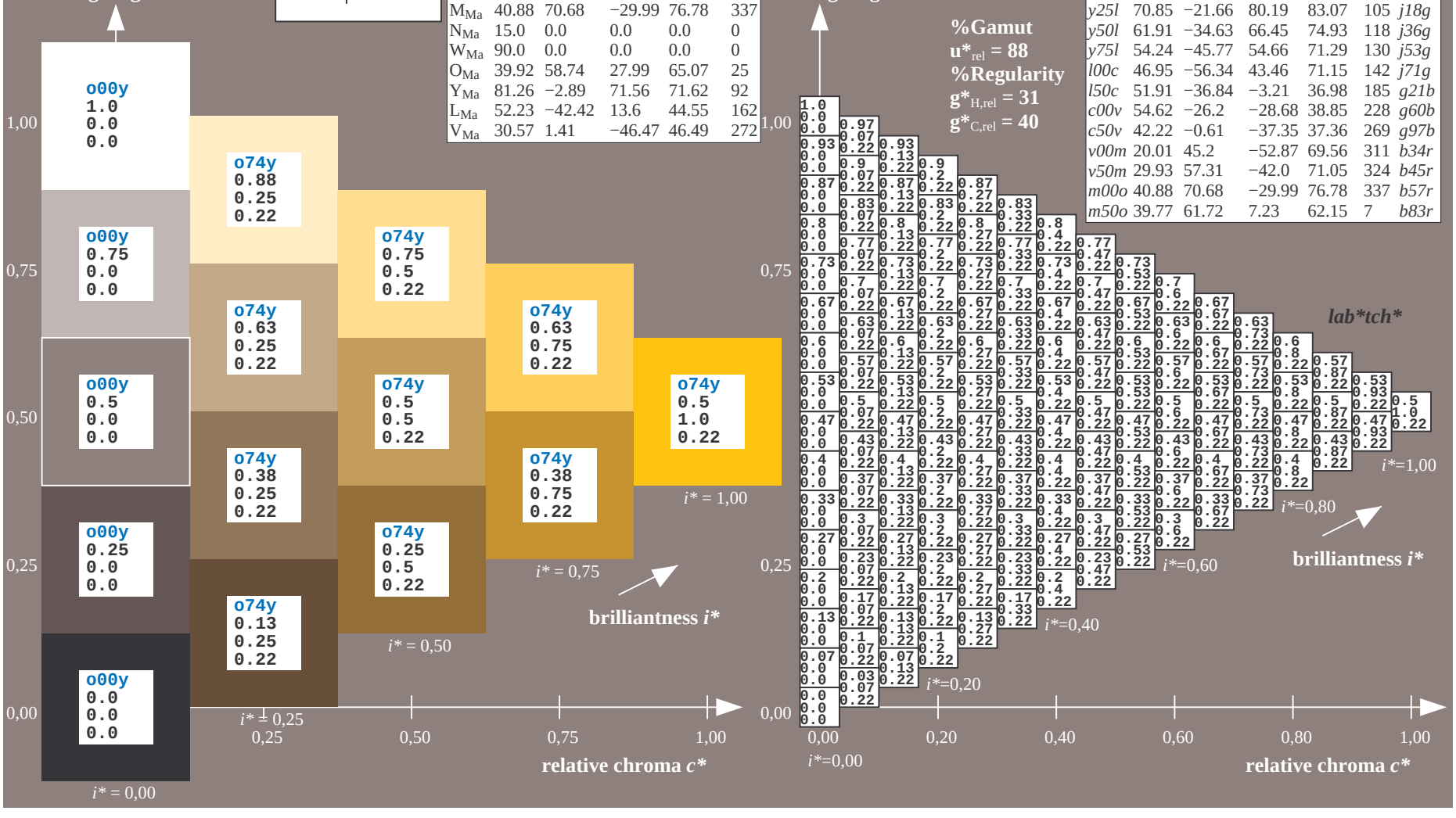
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 16 78
*LAB*LCH**$_{Ma}$: 67 79 78
*lab*olv**$_{Ma}$: 1.0 0.75 0.0
*lab*rgb**$_{Ma}$: 1.0 0.8 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
*lab*tch**

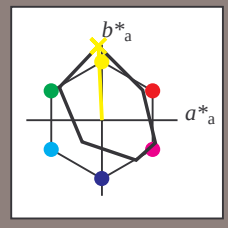
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

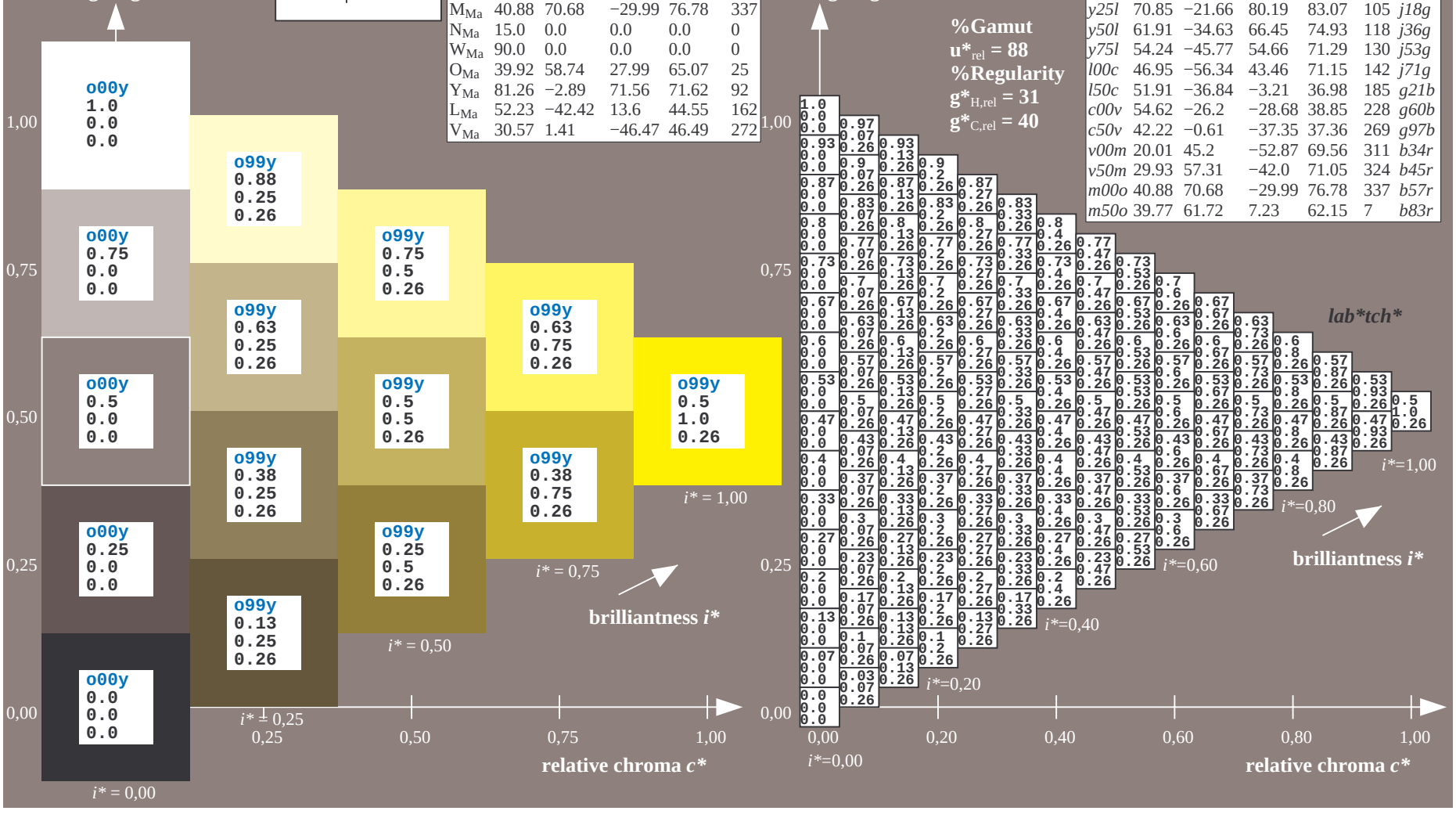
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
*lab*tch**

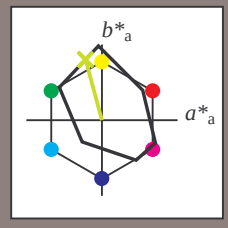
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

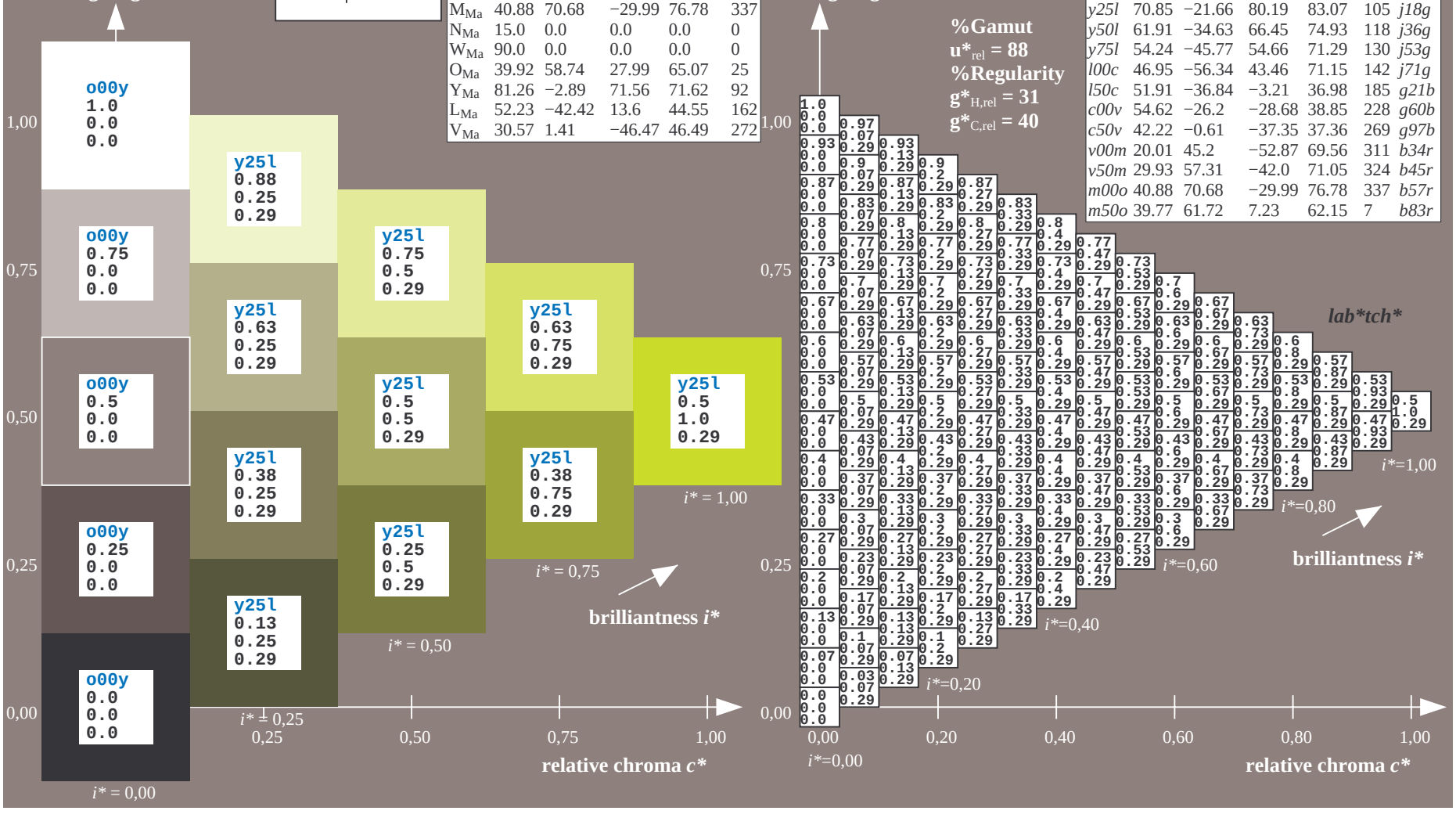
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y25l*
*lab*tch**

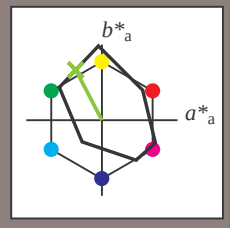
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u*d* = *y50l* *u*e* = *j36g
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

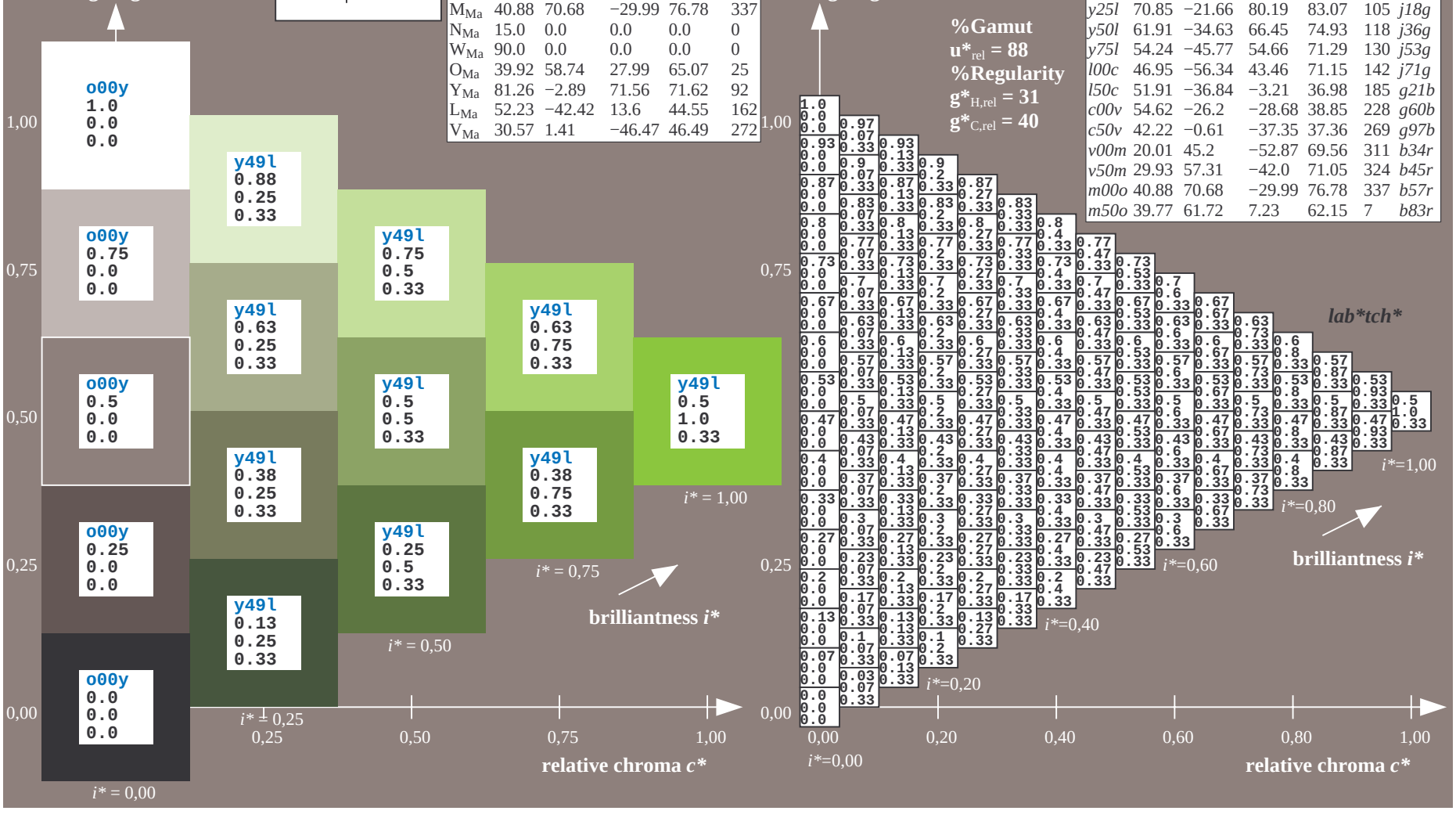
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 62 −35 66**
***LAB*LCH**Ma*: 62 75 117**
***lab*olv**Ma*: 0.5 1.0 0.0**
***lab*rgb**Ma*: 0.64 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d* = *y50l
lab*tch*

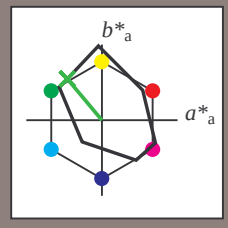
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

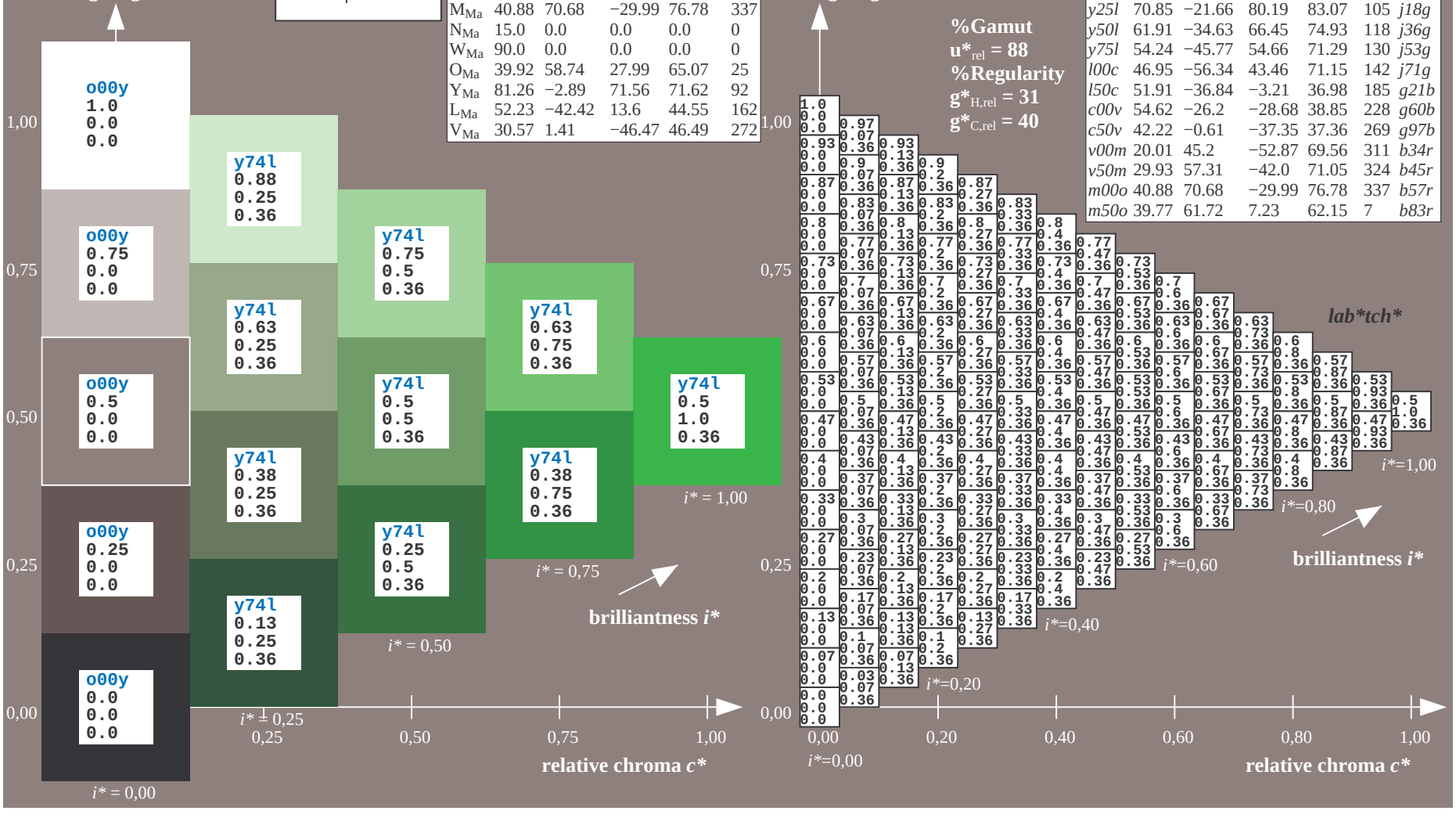
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
*lab*tch**

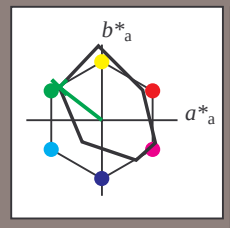
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u**$_d$ = l00c *u**$_e$ = j71g
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u**$_d$	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

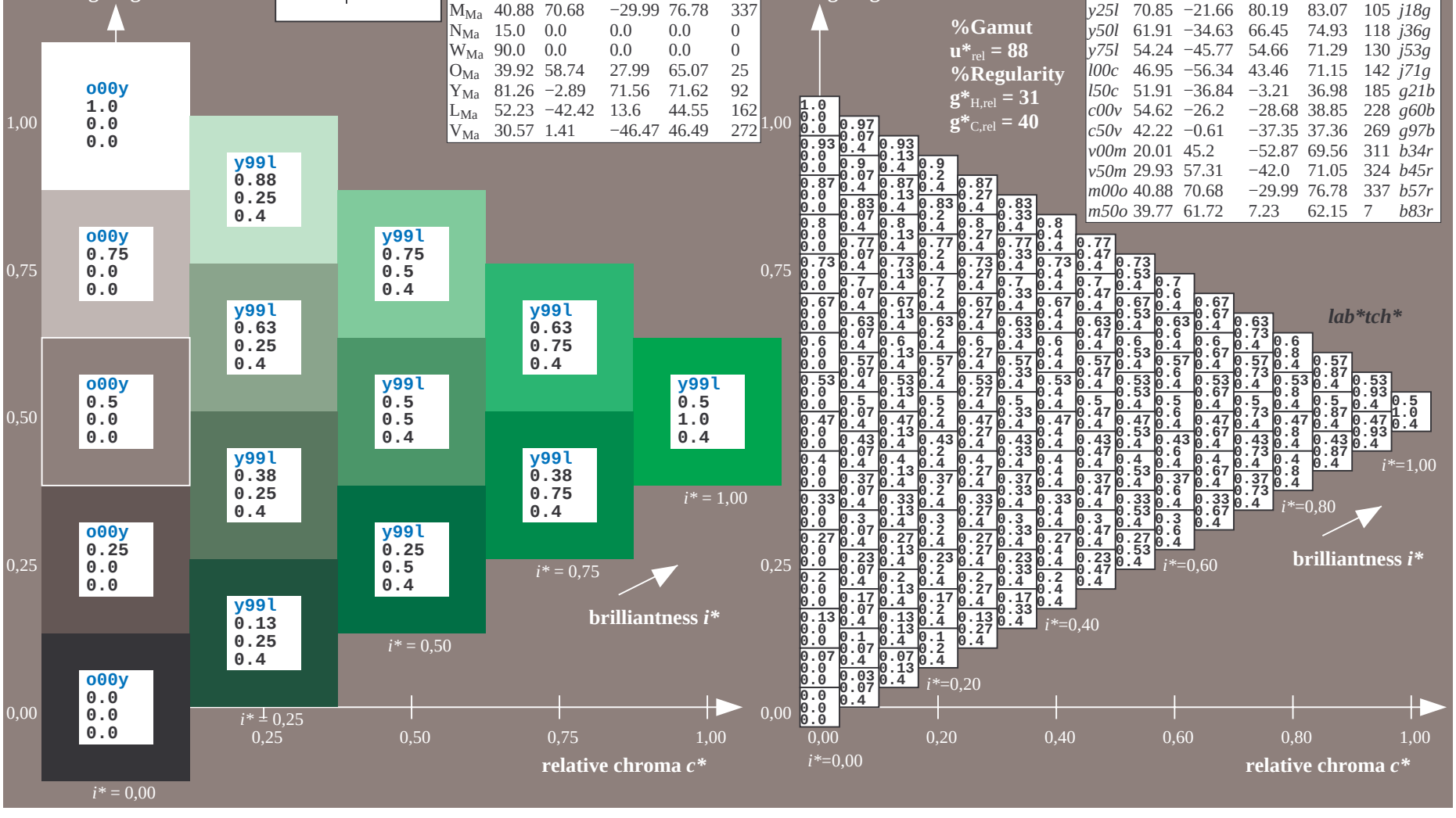
Data for maximum colour (Ma):
LAB*LAB**$_{Ma}$: 47 −56 43
LAB*LCH**$_{Ma}$: 47 71 142
lab*olv**$_{Ma}$: 0.0 1.0 0.0
lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u**$_d$ = l00c
lab*tch*

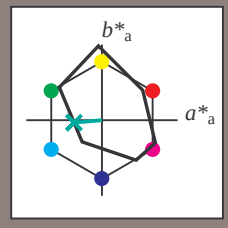
FRS09_92aM; adapted (a) CIELAB data

*u**$_d$	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$	*u**$_e$
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*d = l50c* *u*e = g21b
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

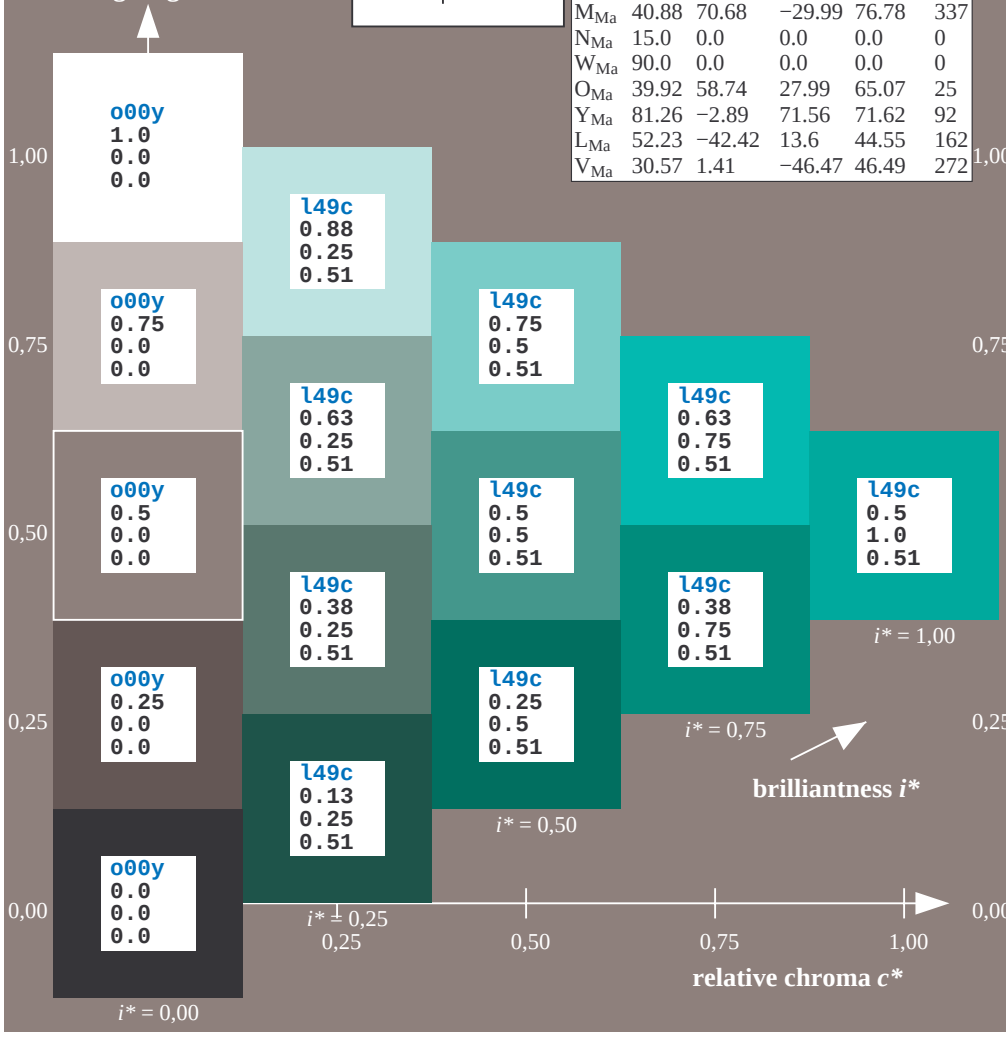
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 52 −37 −3**
***LAB*LCH*Ma*: 52 37 184**
***lab*olv*Ma*: 0.0 1.0 0.5**
***lab*rgb*Ma*: 0.0 1.0 0.42**
triangle lightness *t**

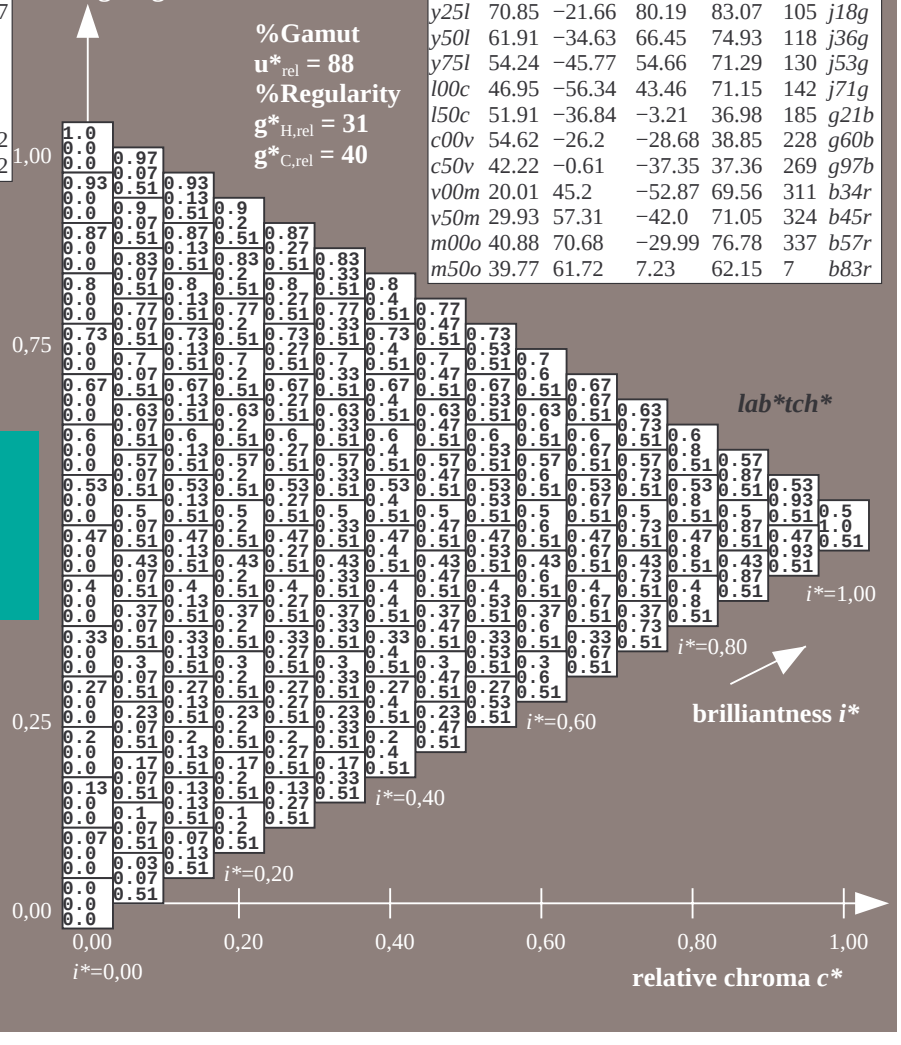
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = l50c
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

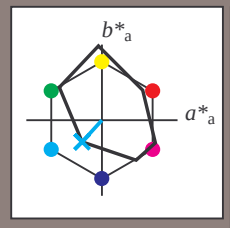
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*d* = *c00v* *u*e* = *g60b
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

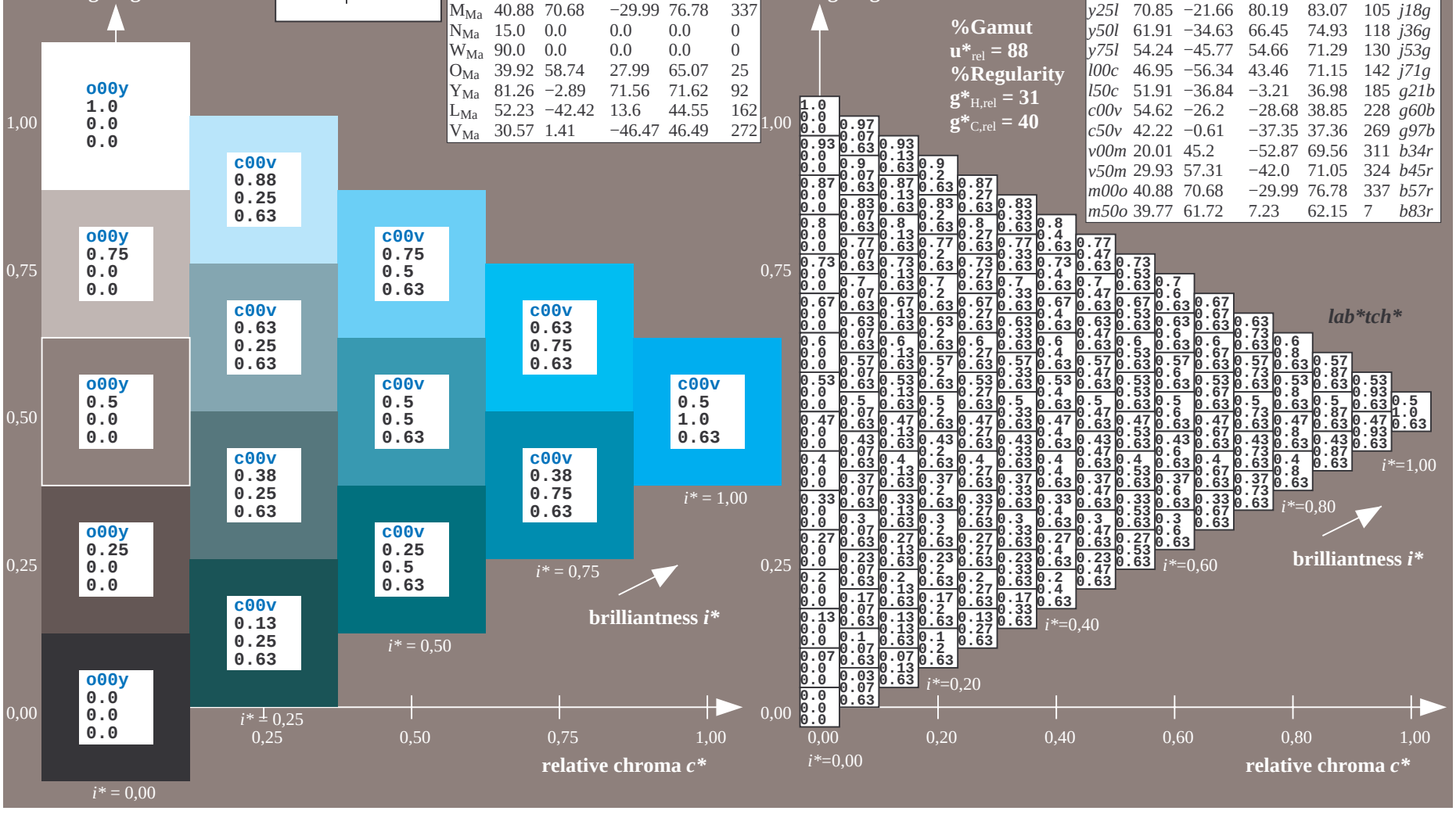
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
***LAB*LAB**Ma*: 55 −26 −29**
***LAB*LCH**Ma*: 55 39 227**
***lab*olv**Ma*: 0.0 1.0 1.0**
***lab*rgb**Ma*: 0.0 0.81 1.0**
triangle lightness *t**

u*d* = *c00v
lab*tch*

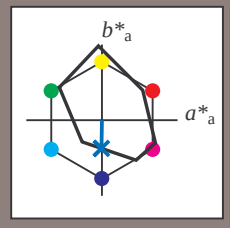
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

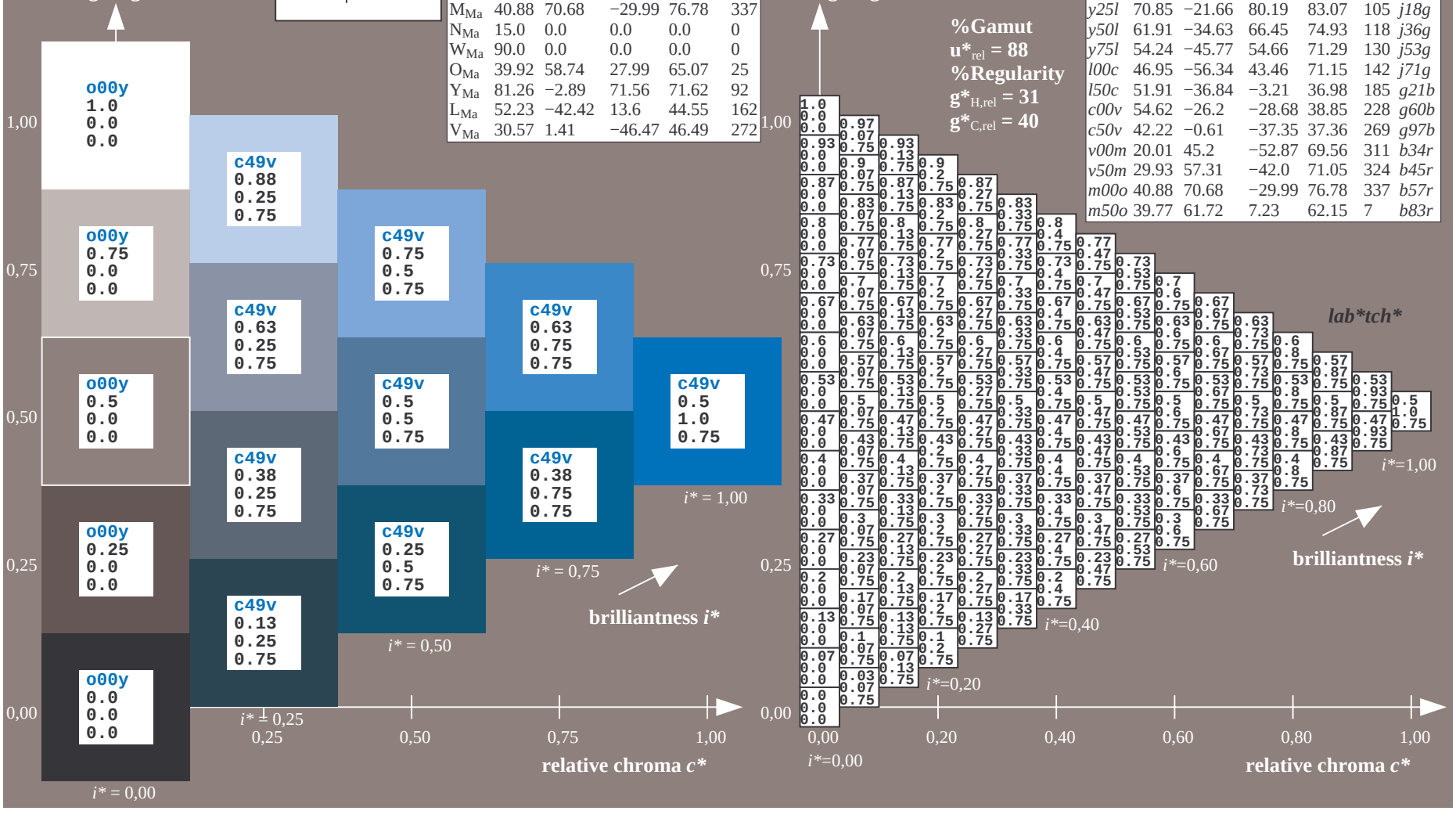
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 −1 −37
*LAB*LCH**$_{Ma}$: 42 37 269
*lab*olv**$_{Ma}$: 0.0 0.5 1.0
*lab*rgb**$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
*lab*tch**

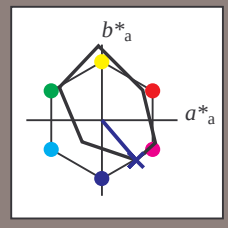
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
*u**$_d$ = *v00m* *u**$_e$ = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u**$_d$	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

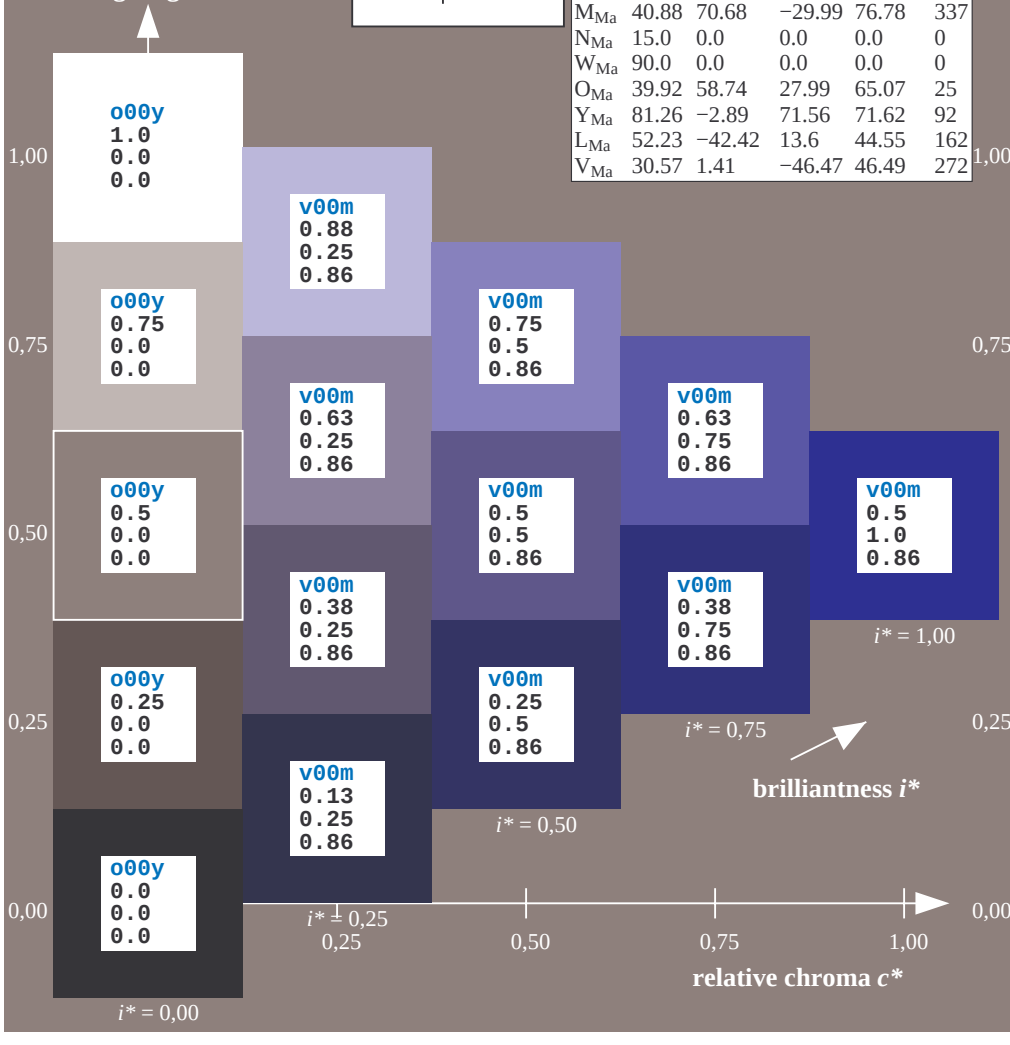
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

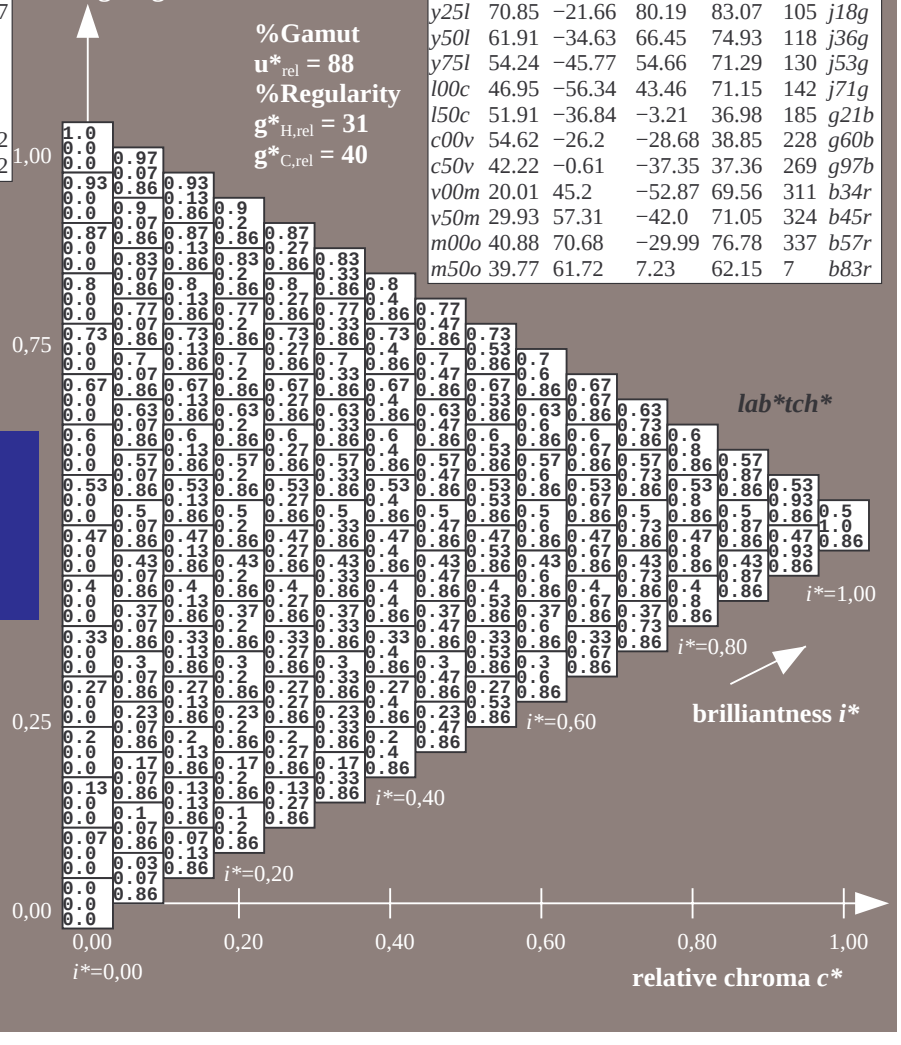
%Gamut
u*$_{rel}$ = 88
%Regularity
g*$_{H,rel}$ = 31
g*$_{C,rel}$ = 40

*u**$_d$ = *v00m*
*lab*tch**

FRS09_92aM; adapted (a) CIELAB data

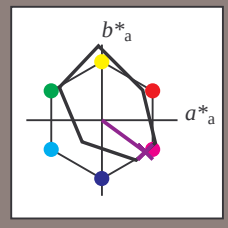
*u**$_d$	*L**=*L**$_a$	*a**$_a$	*b**$_a$	*C**$_{ab,a}$	*h**$_{ab,a}$	*u**$_e$
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u*d* = *v50m* *u*e* = *b45r
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

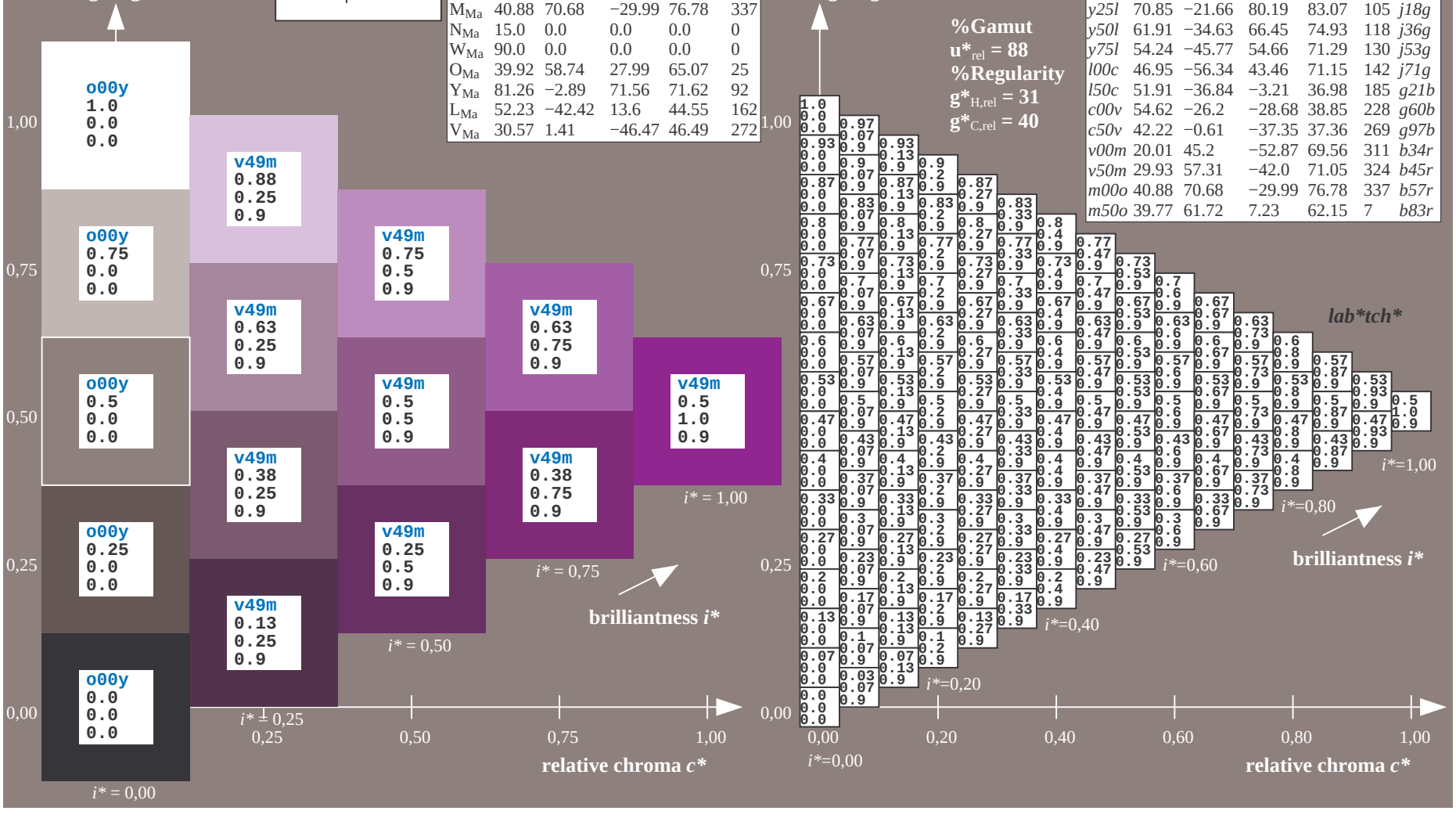
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 30 57 −42**
***LAB*LCH**Ma*: 30 71 323**
***lab*olv**Ma*: 0.5 0.0 1.0**
***lab*rgb**Ma*: 0.91 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d* = *v50m
lab*tch*

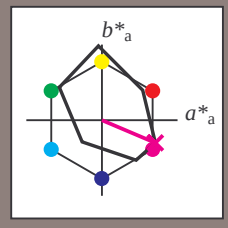
FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

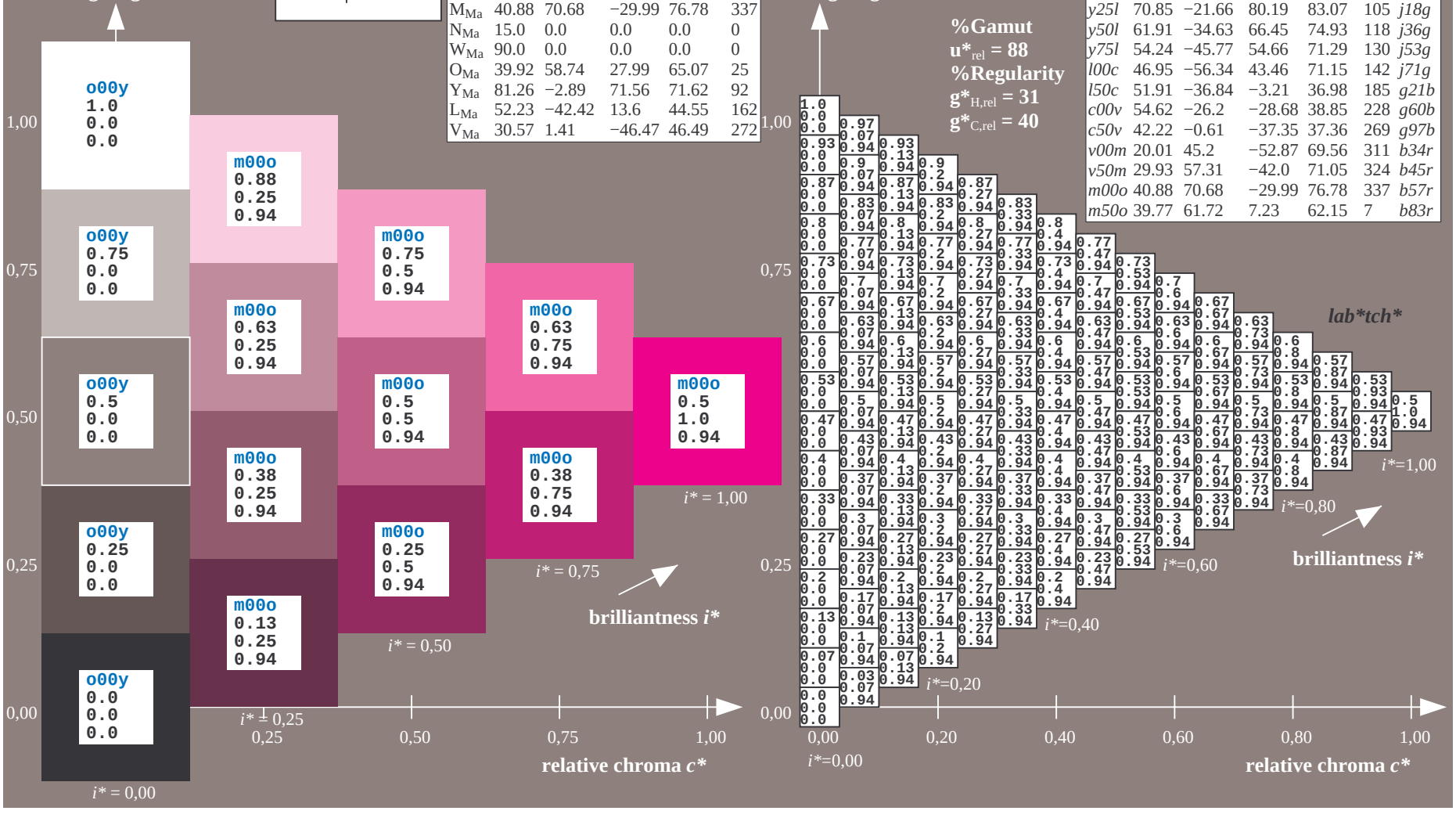
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 41 71 −30
*LAB*LCH**$_{Ma}$: 41 77 337
*lab*olv**$_{Ma}$: 1.0 0.0 1.0
*lab*rgb**$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

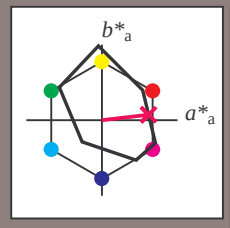
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch** and *lab*icu*
Hue texts:
u*d = m50o u*e = b83r
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

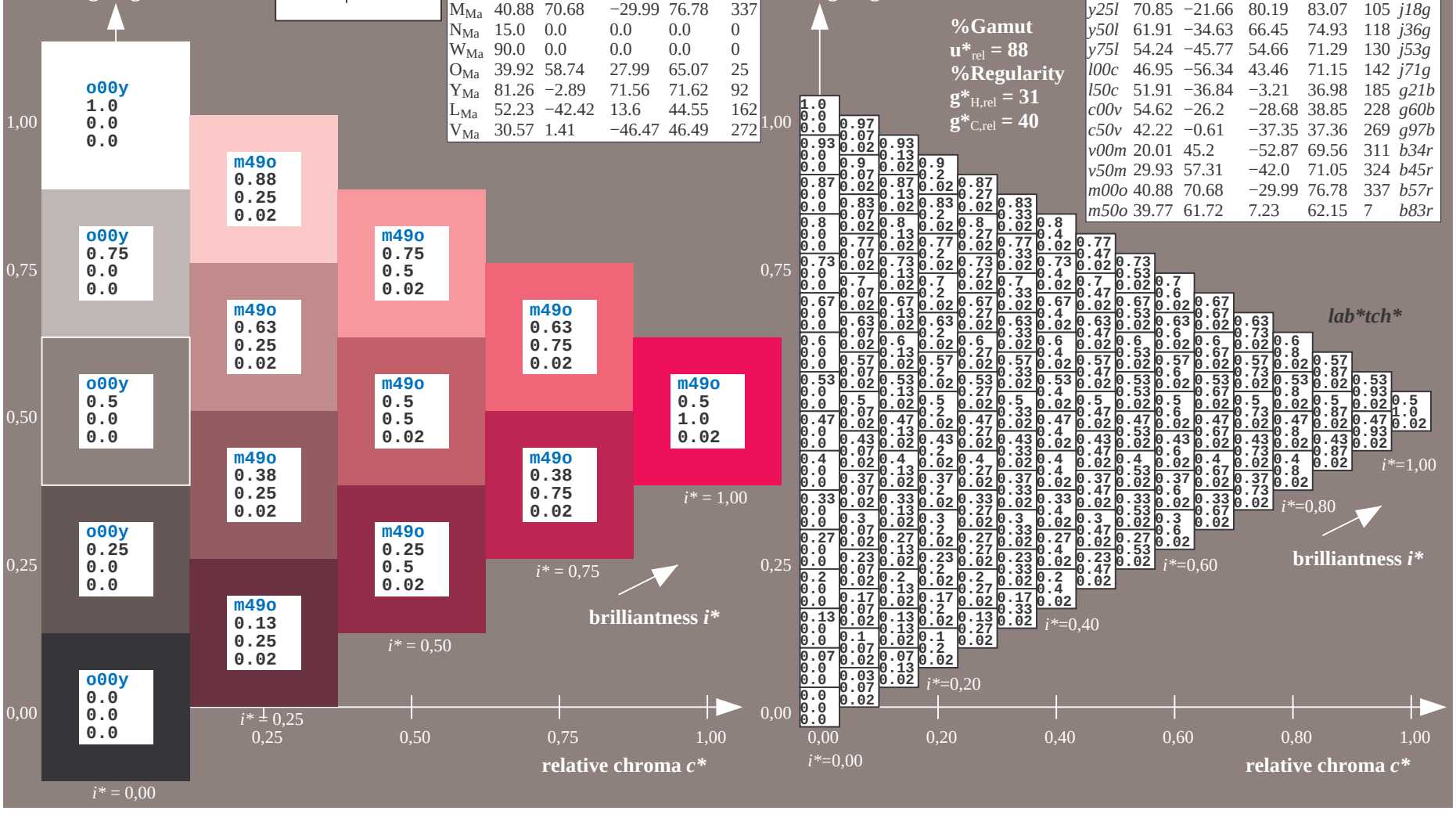
Data for maximum colour (Ma):
***LAB*LAB**Ma*: 40 62 7**
***LAB*LCH**Ma*: 40 62 6**
***lab*olv**Ma*: 1.0 0.0 0.5**
***lab*rgb**Ma*: 1.0 0.0 0.33**
triangle lightness *t**

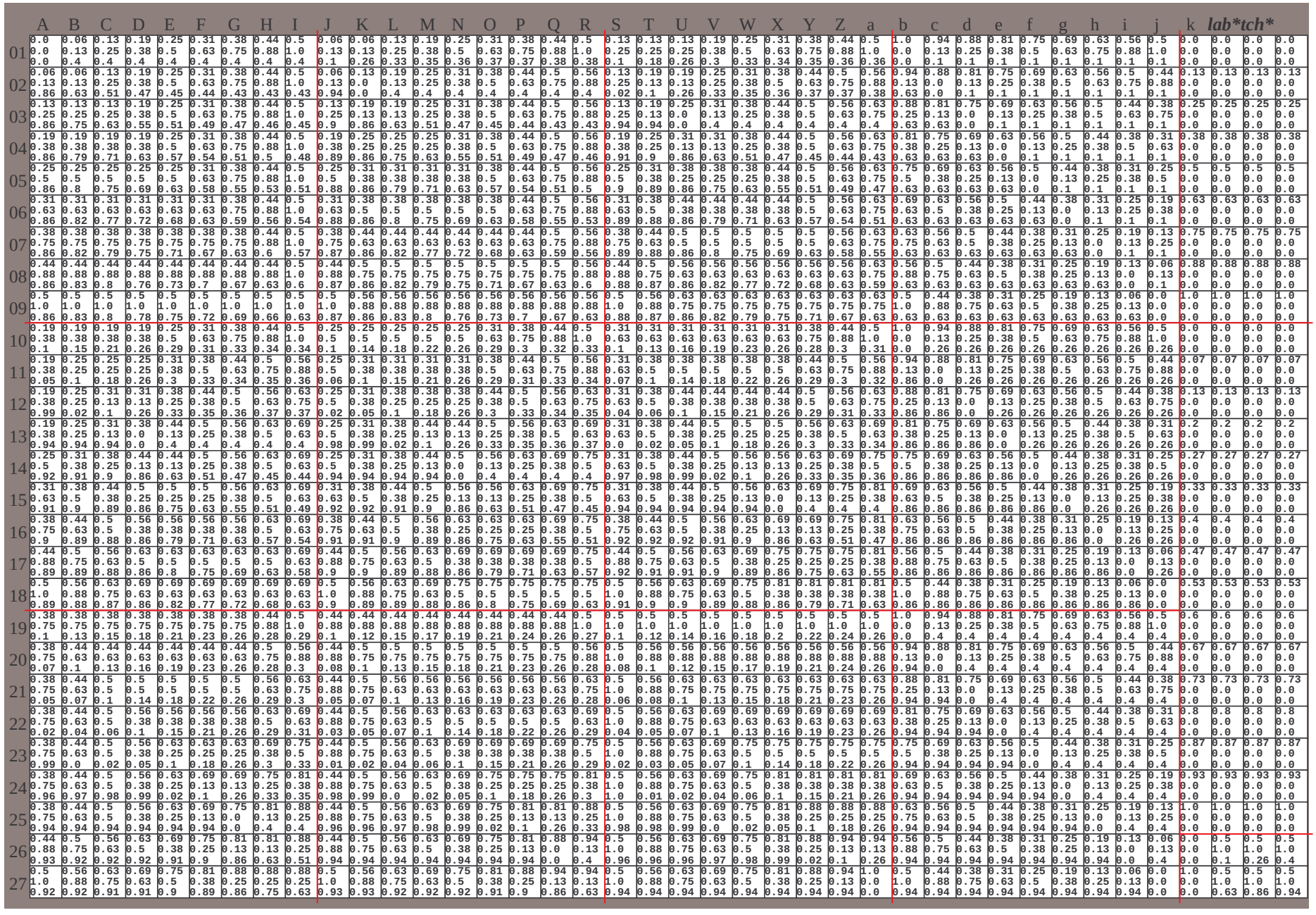
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = m50o
lab*tch*

FRS09_92aM; adapted (a) CIELAB data

*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

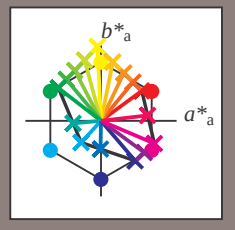




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
***u**d* and number *no.* = 00 .. 15**
device hue text:
u**d* = 16 hues *o00y, o25y, ..., m50o
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

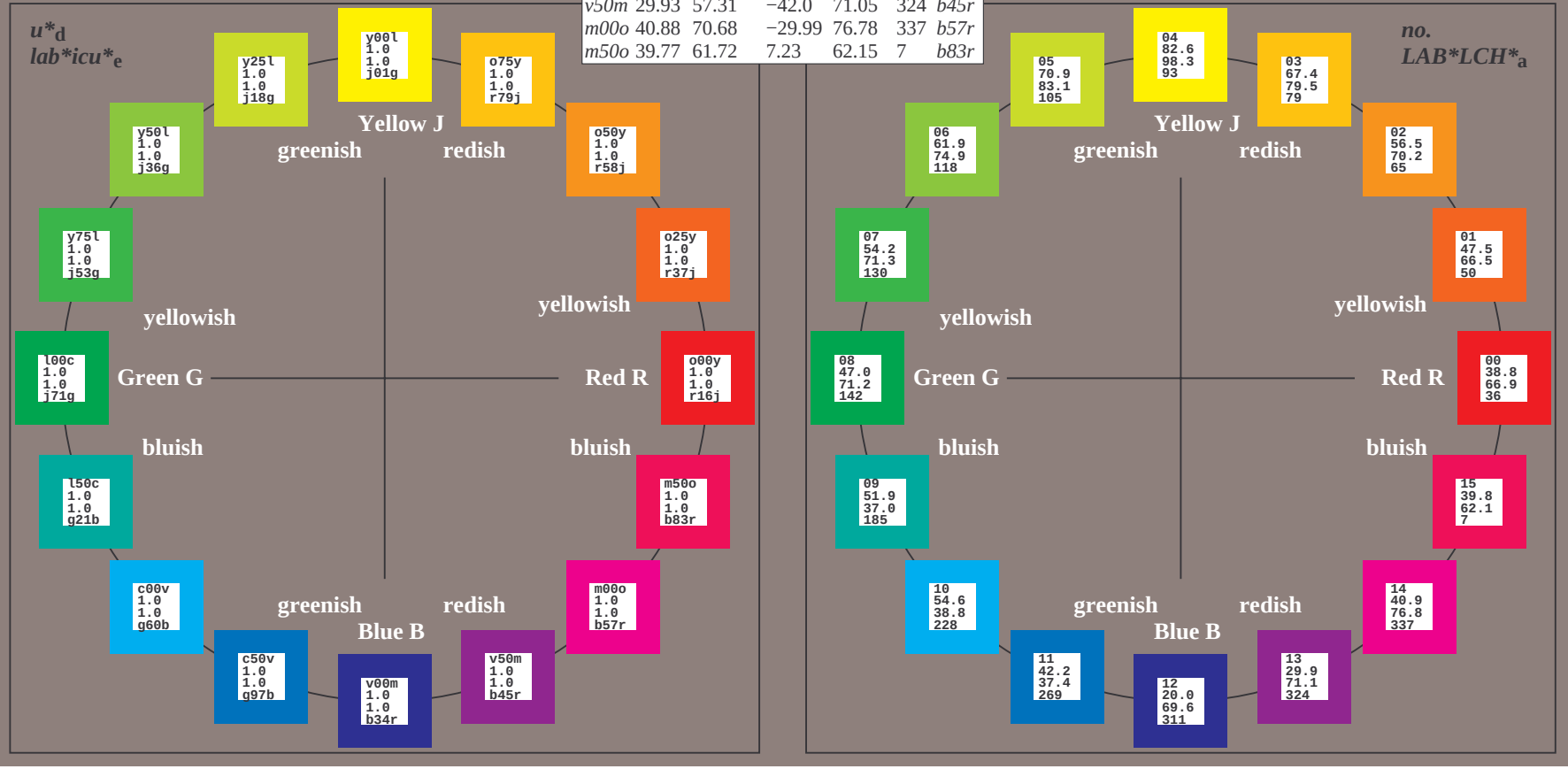
*u*d*	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*	*u*e*
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

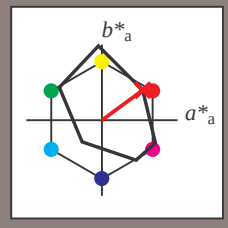
Name	*L*=L*a*	*a*a*	*b*a*	*C*ab,a*	*h*ab,a*
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	−46.47	46.49	272



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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

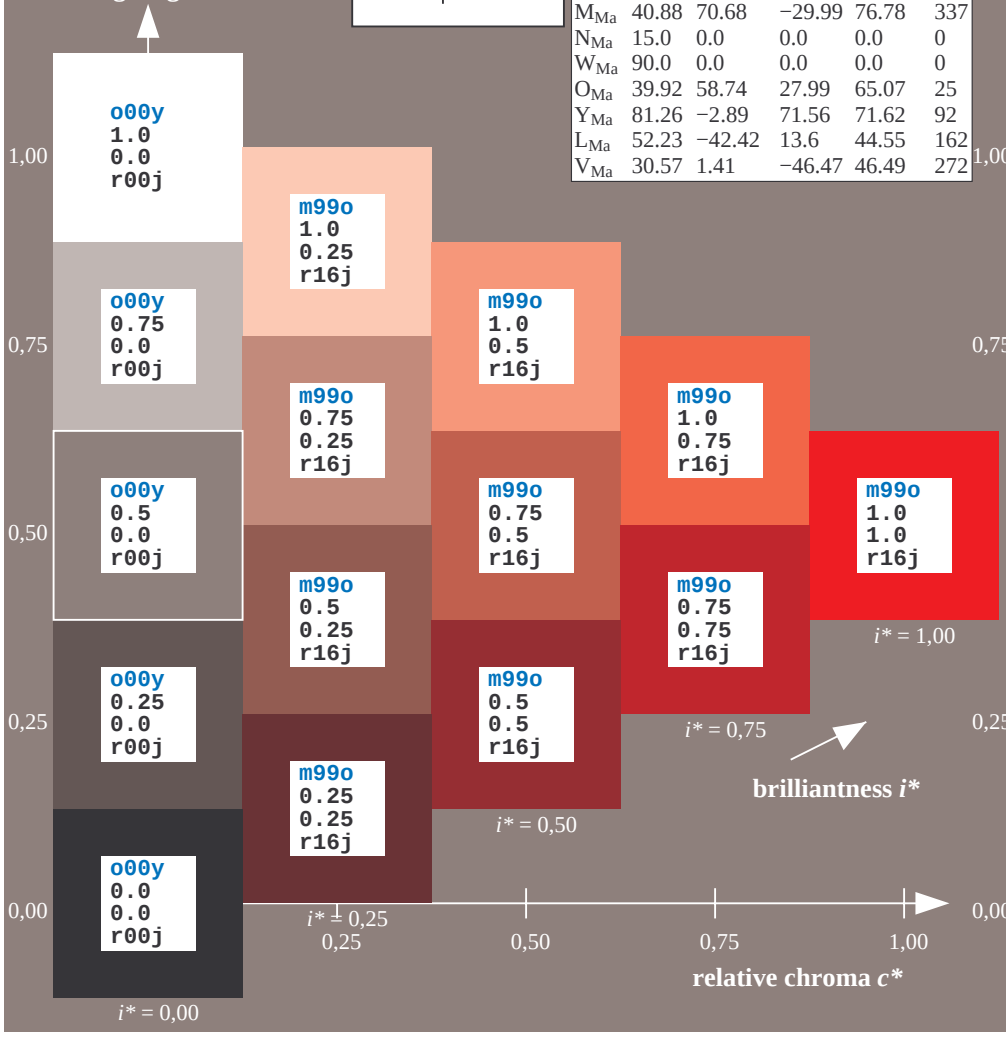
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

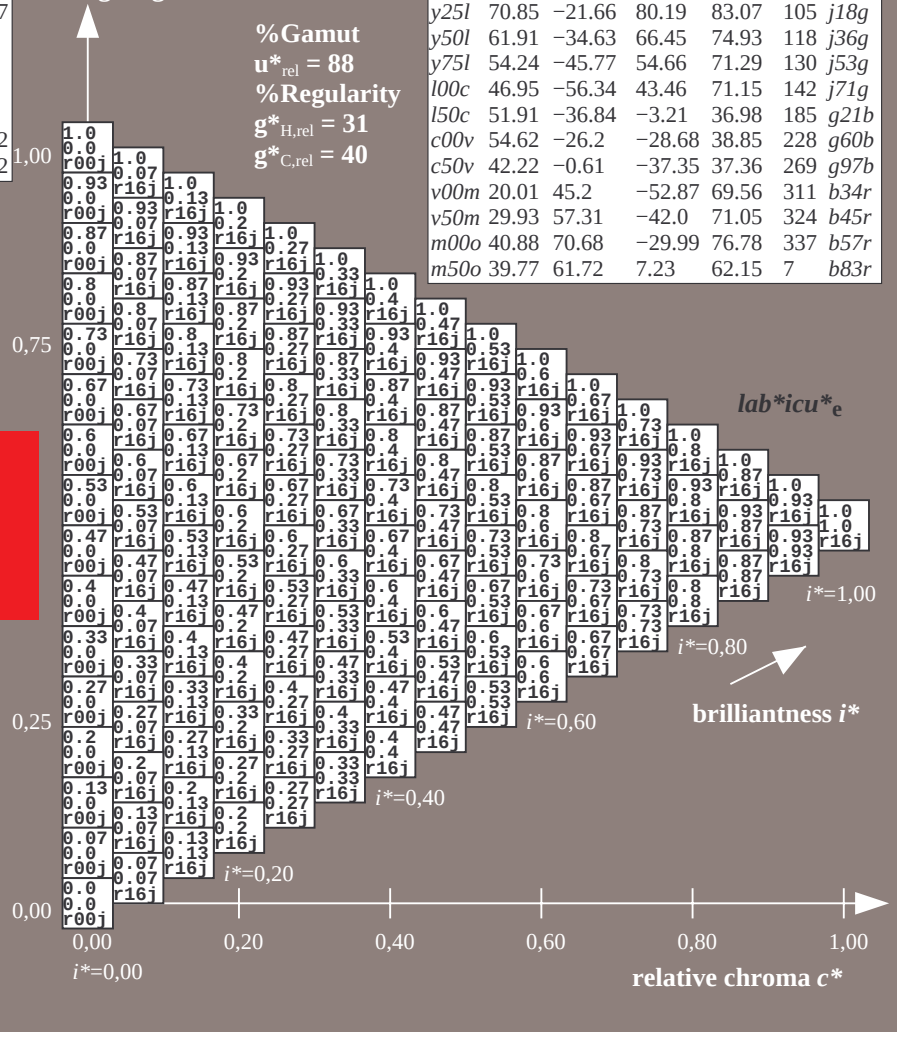
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
*lab*icu**$_e$

FRS09_92aM; adapted (a) CIELAB data

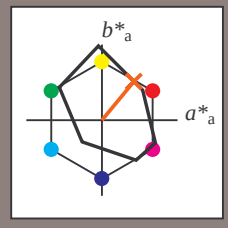
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

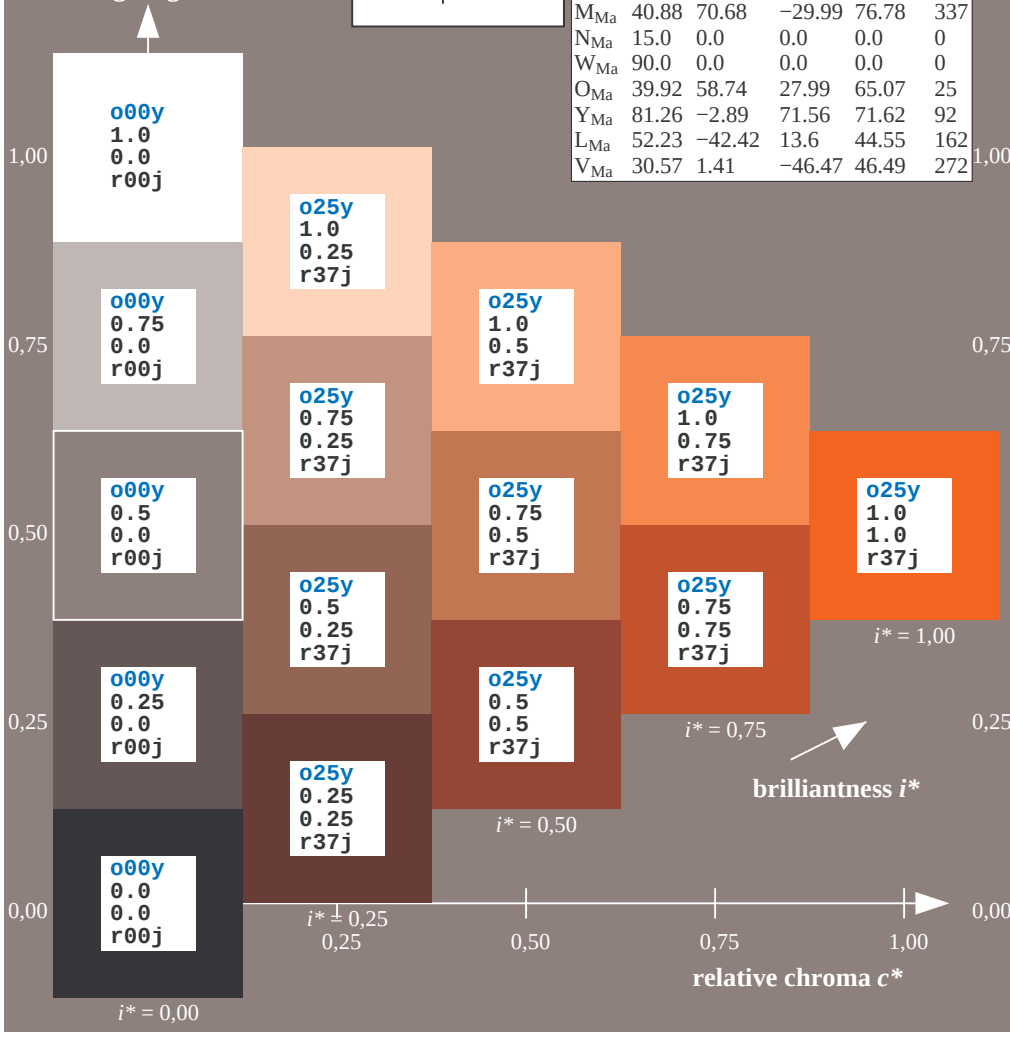
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

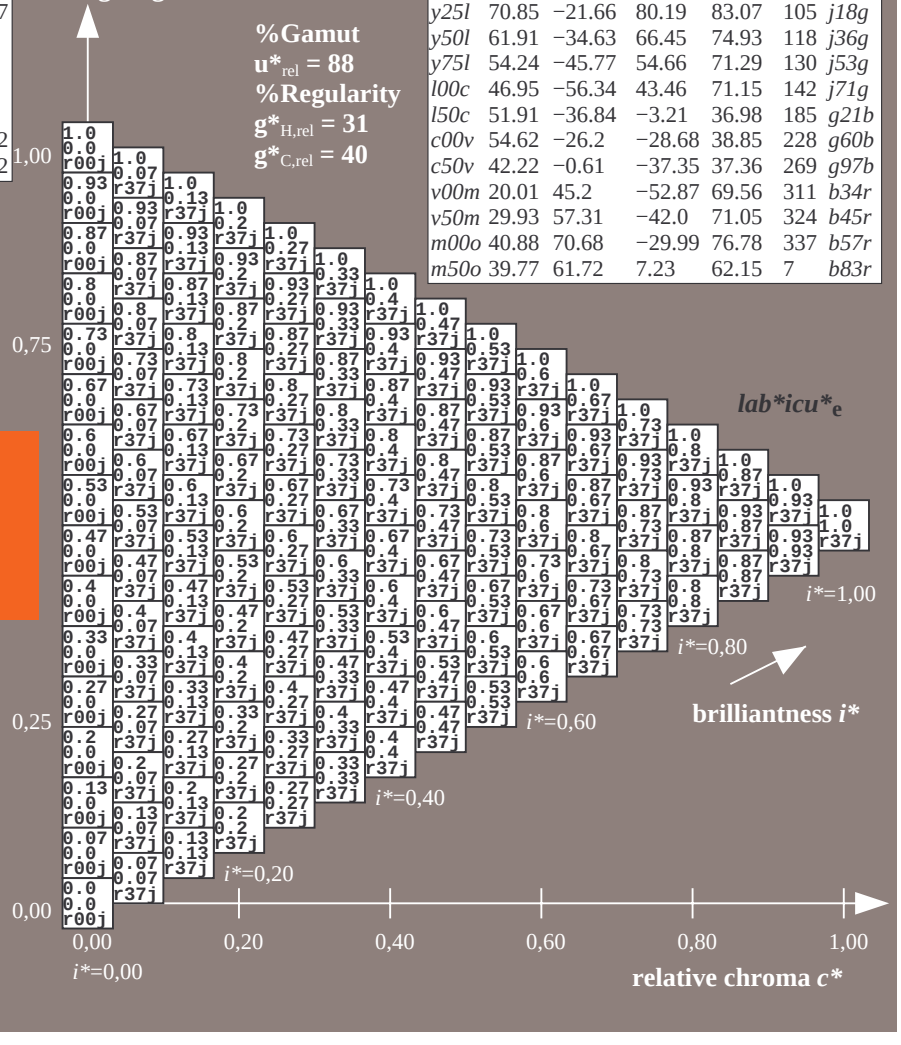
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*lab*icu**$_e$

FRS09_92aM; adapted (a) CIELAB data

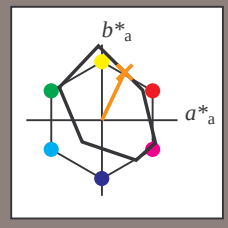
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

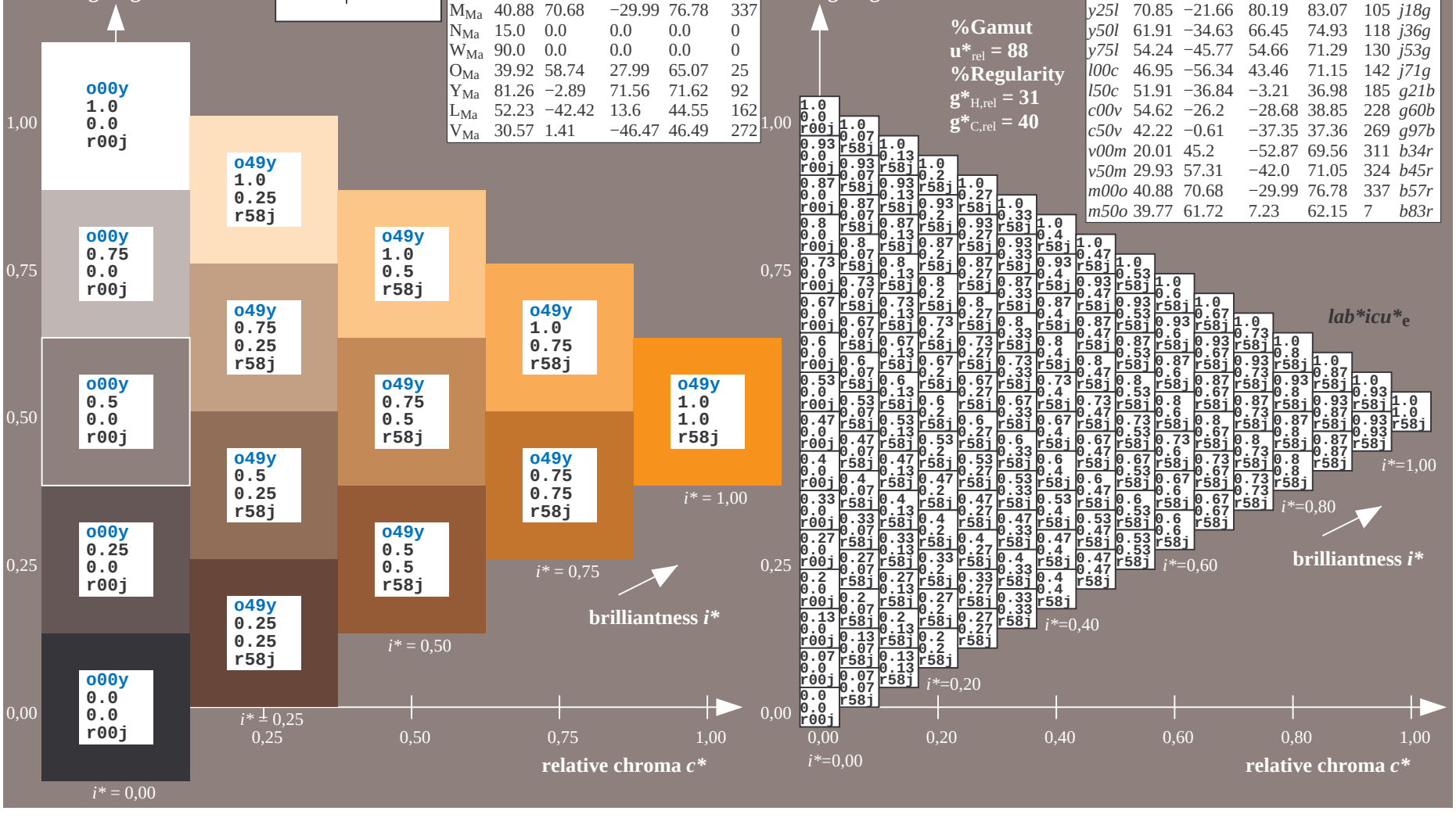
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

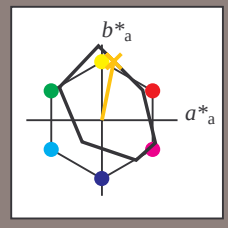
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

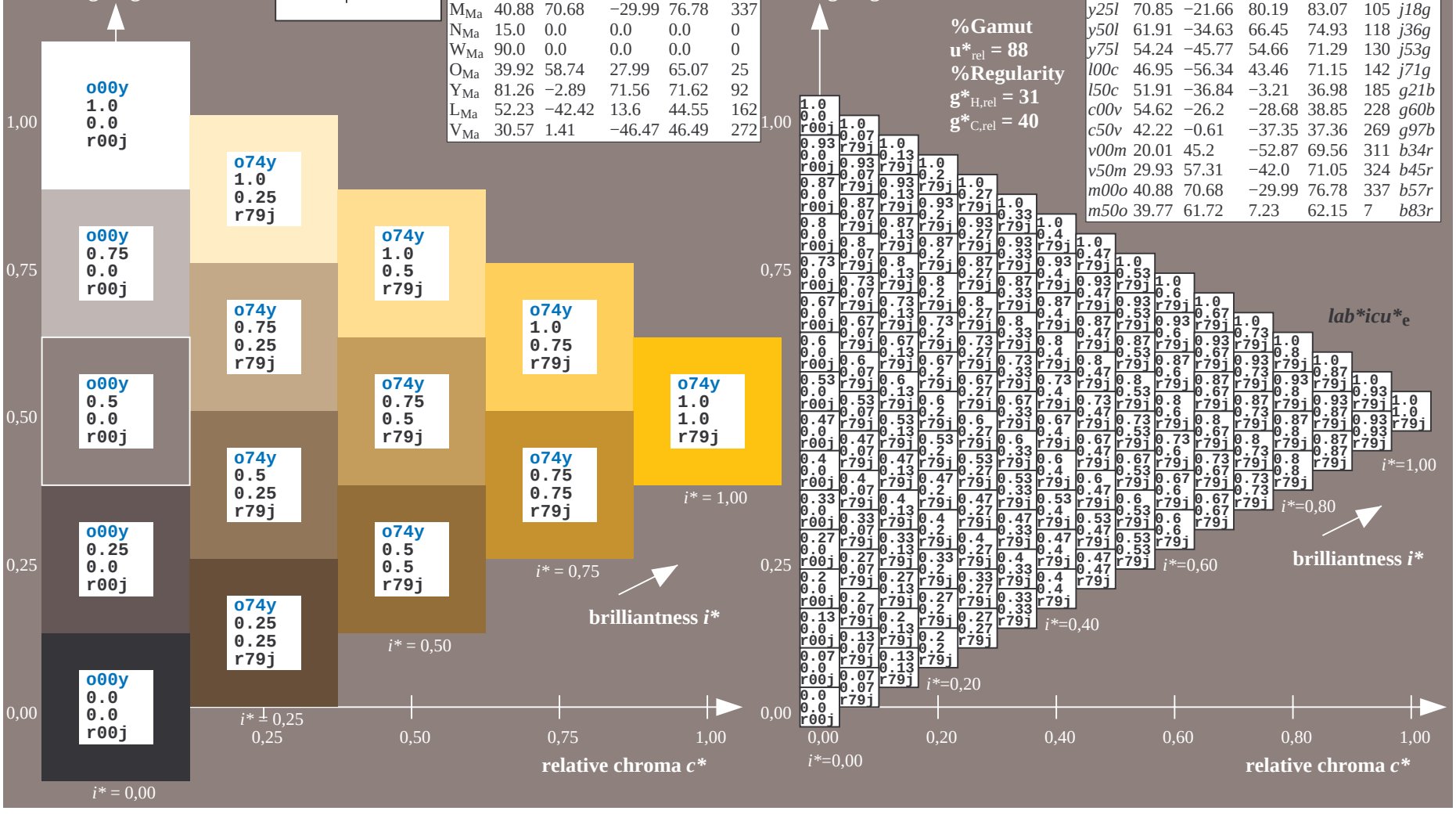
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
lab*icu*$_e$

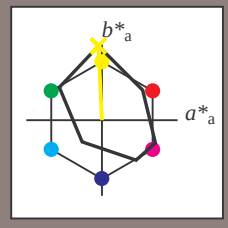
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

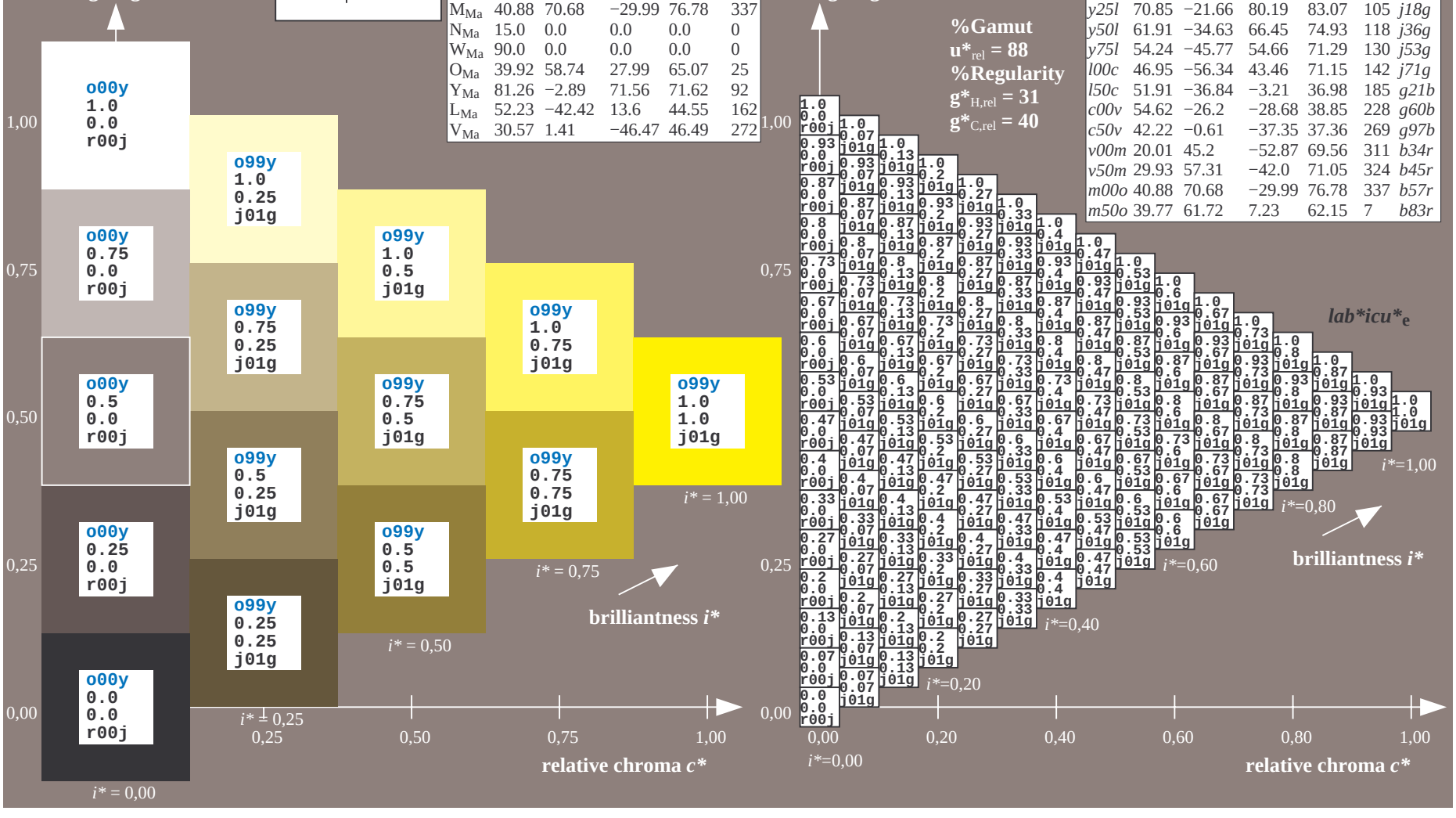
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −5 98**
LAB*LCH*$_{Ma}$**: 83 98 92**
lab*olv*$_{Ma}$**: 1.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.99 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
lab*icu*$_e$

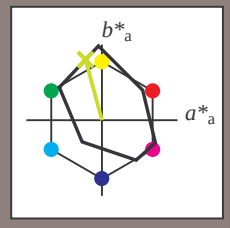
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

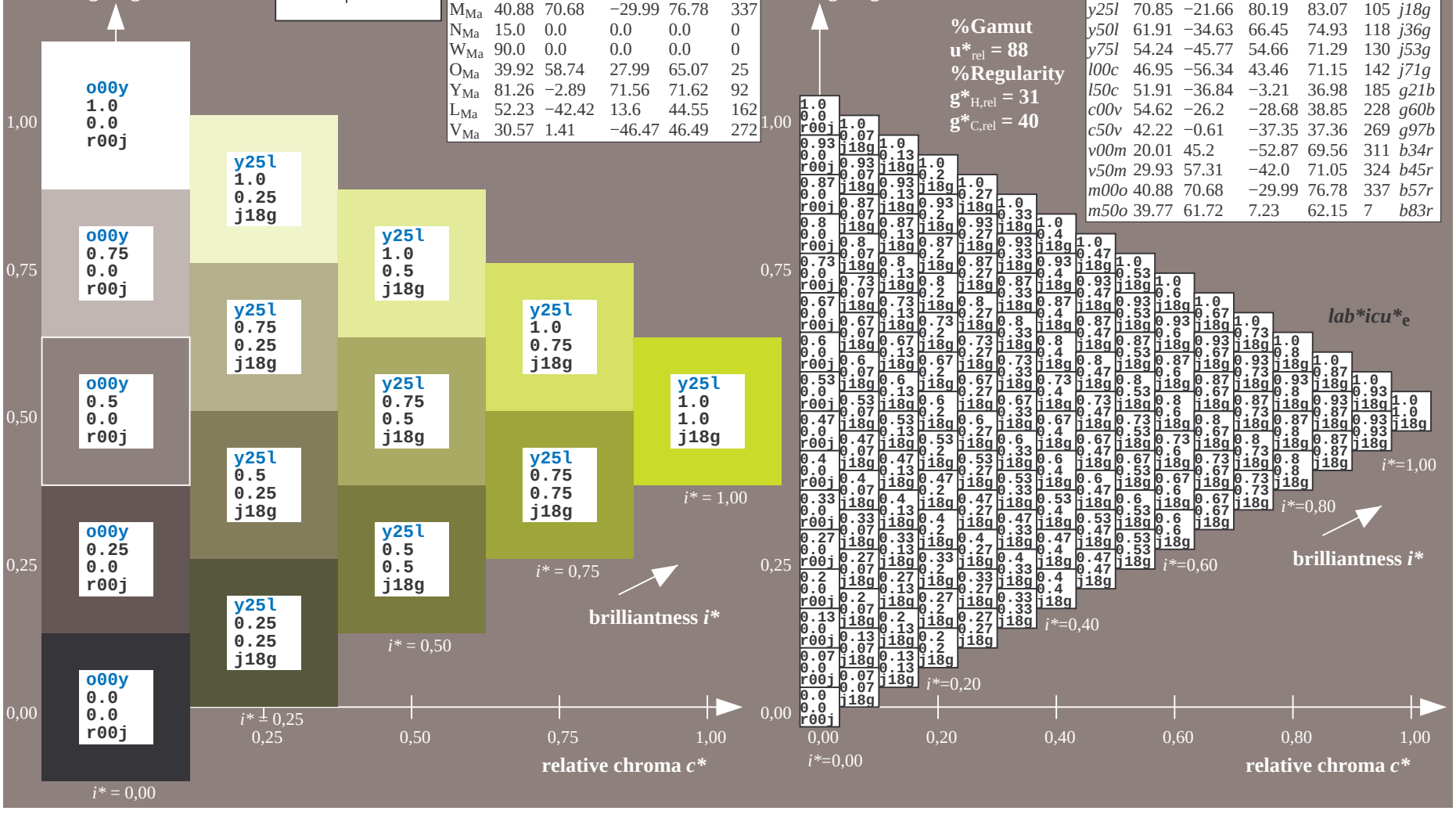
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −22 80**
LAB*LCH*$_{Ma}$**: 71 83 105**
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.82 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y25l*
lab*icu*$_e$

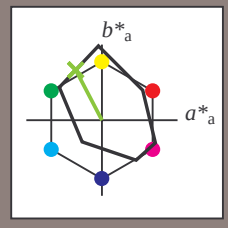
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

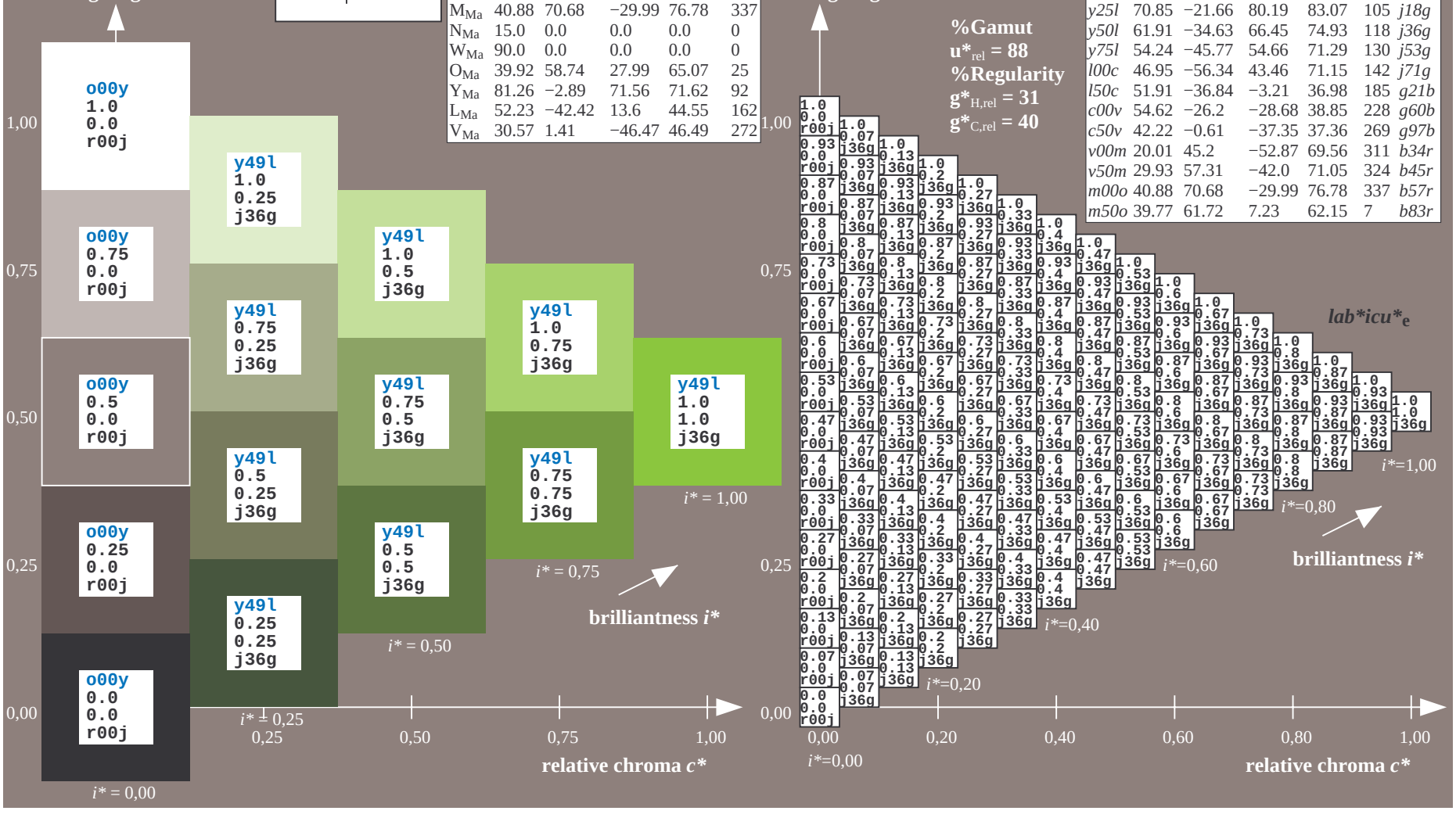
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −35 66**
LAB*LCH*$_{Ma}$**: 62 75 117**
lab*olv*$_{Ma}$**: 0.5 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.64 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y50l*
lab*icu*$_e$

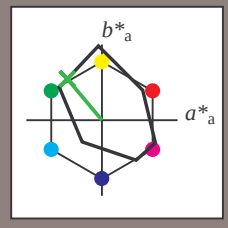
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

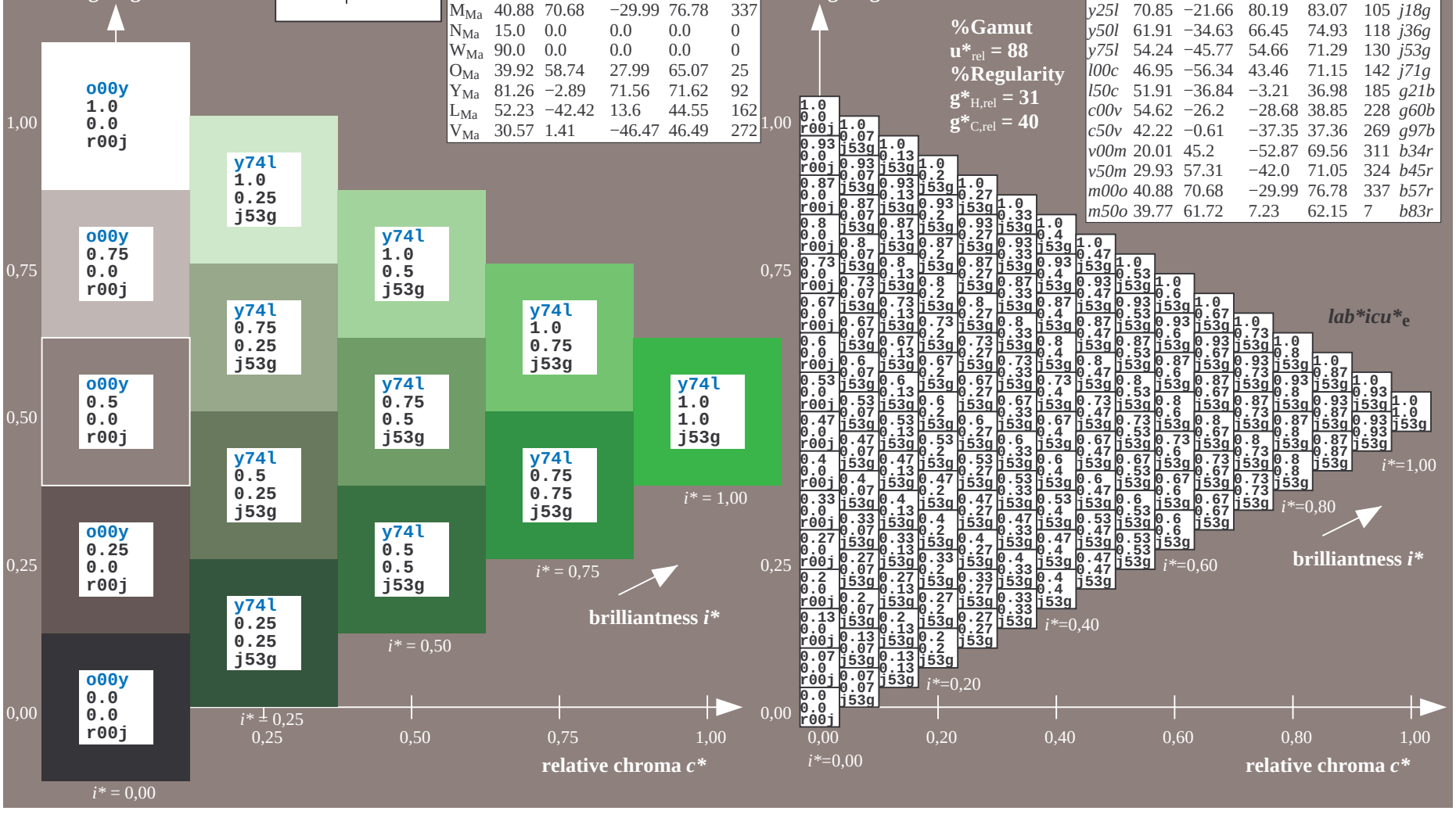
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
*lab*icu**$_e$

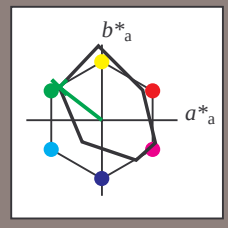
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

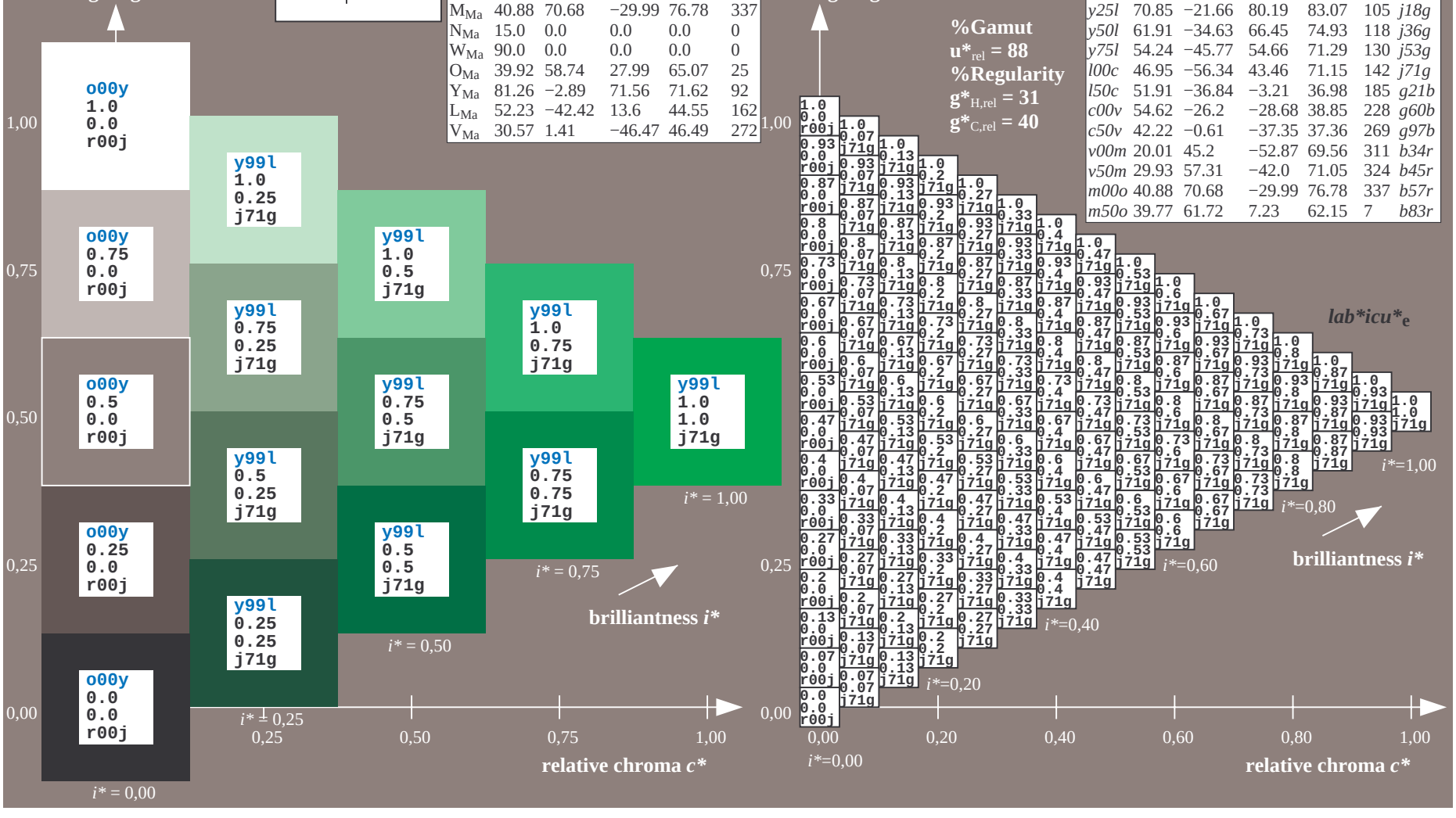
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −56 43
*LAB*LCH**$_{Ma}$: 47 71 142
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l00c*
*lab*icu**$_e$

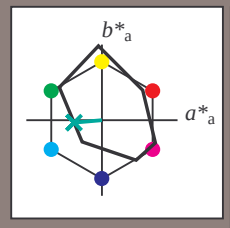
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

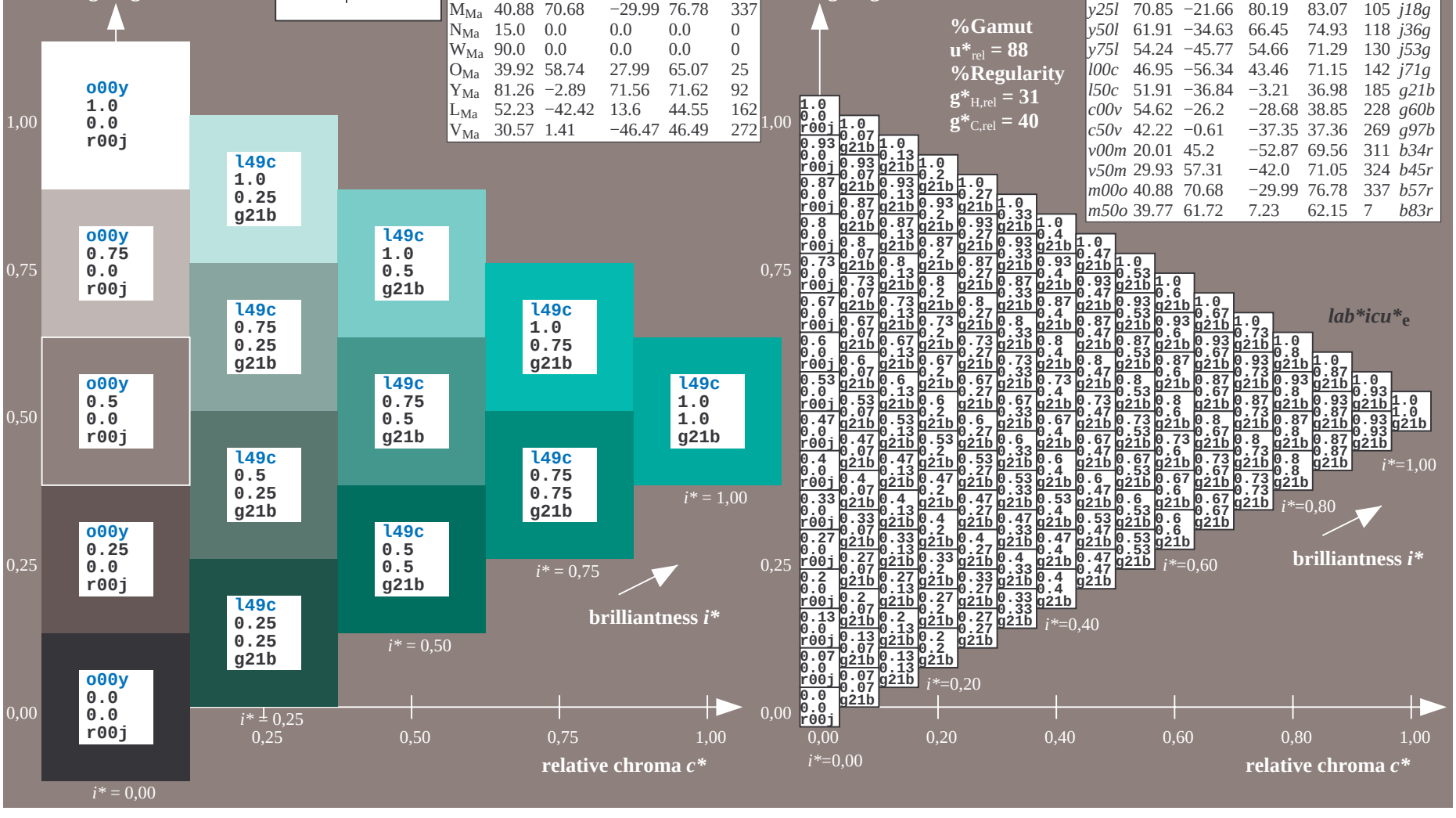
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 52 −37 −3
*LAB*LCH**$_{Ma}$: 52 37 184
*lab*olv**$_{Ma}$: 0.0 1.0 0.5
*lab*rgb**$_{Ma}$: 0.0 1.0 0.42
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l50c*
*lab*icu**$_e$

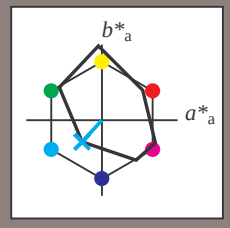
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

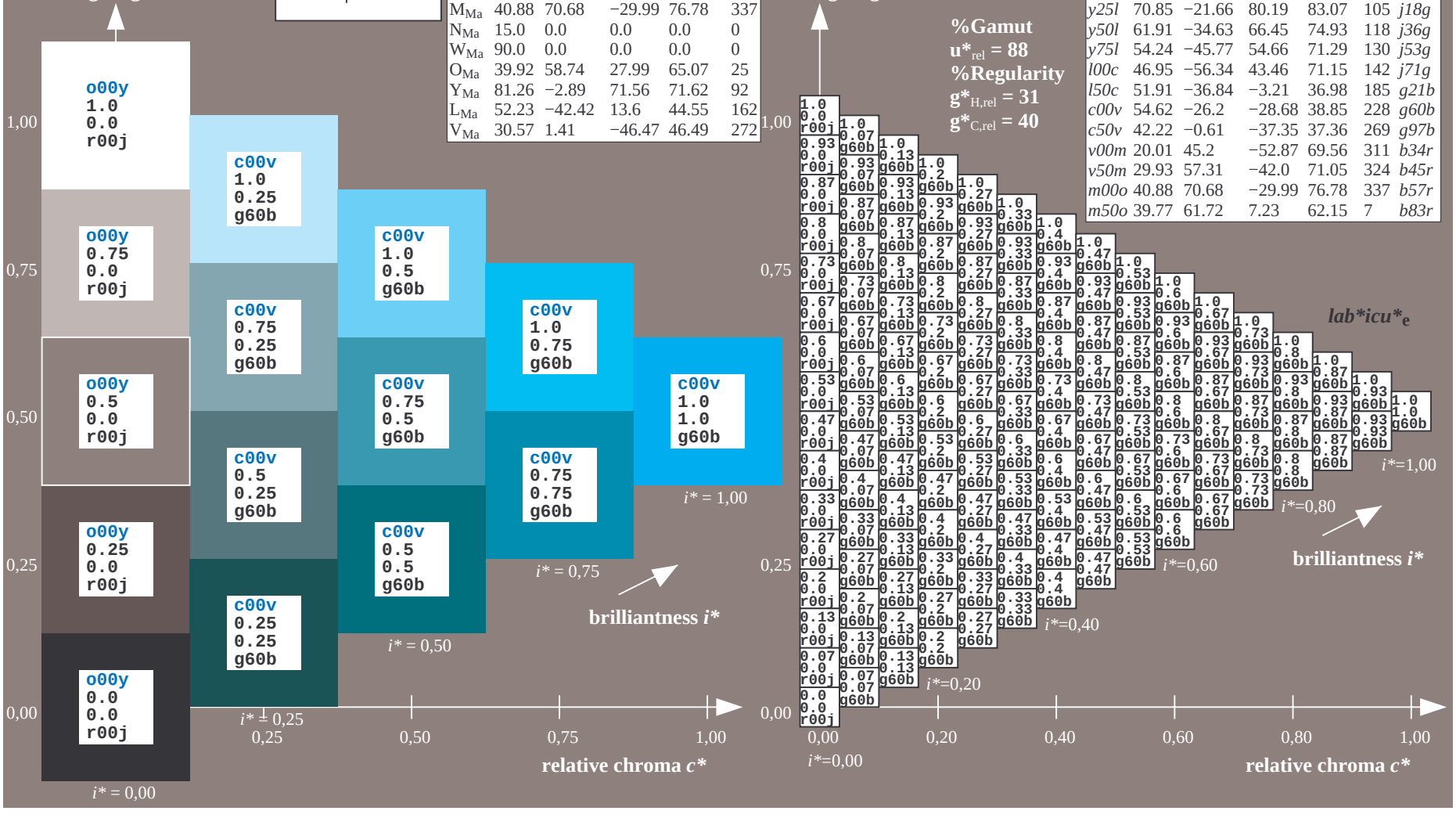
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 55 −26 −29
*LAB*LCH**$_{Ma}$: 55 39 227
*lab*olv**$_{Ma}$: 0.0 1.0 1.0
*lab*rgb**$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
*lab*icu**$_e$

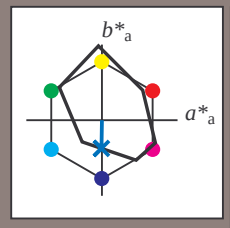
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

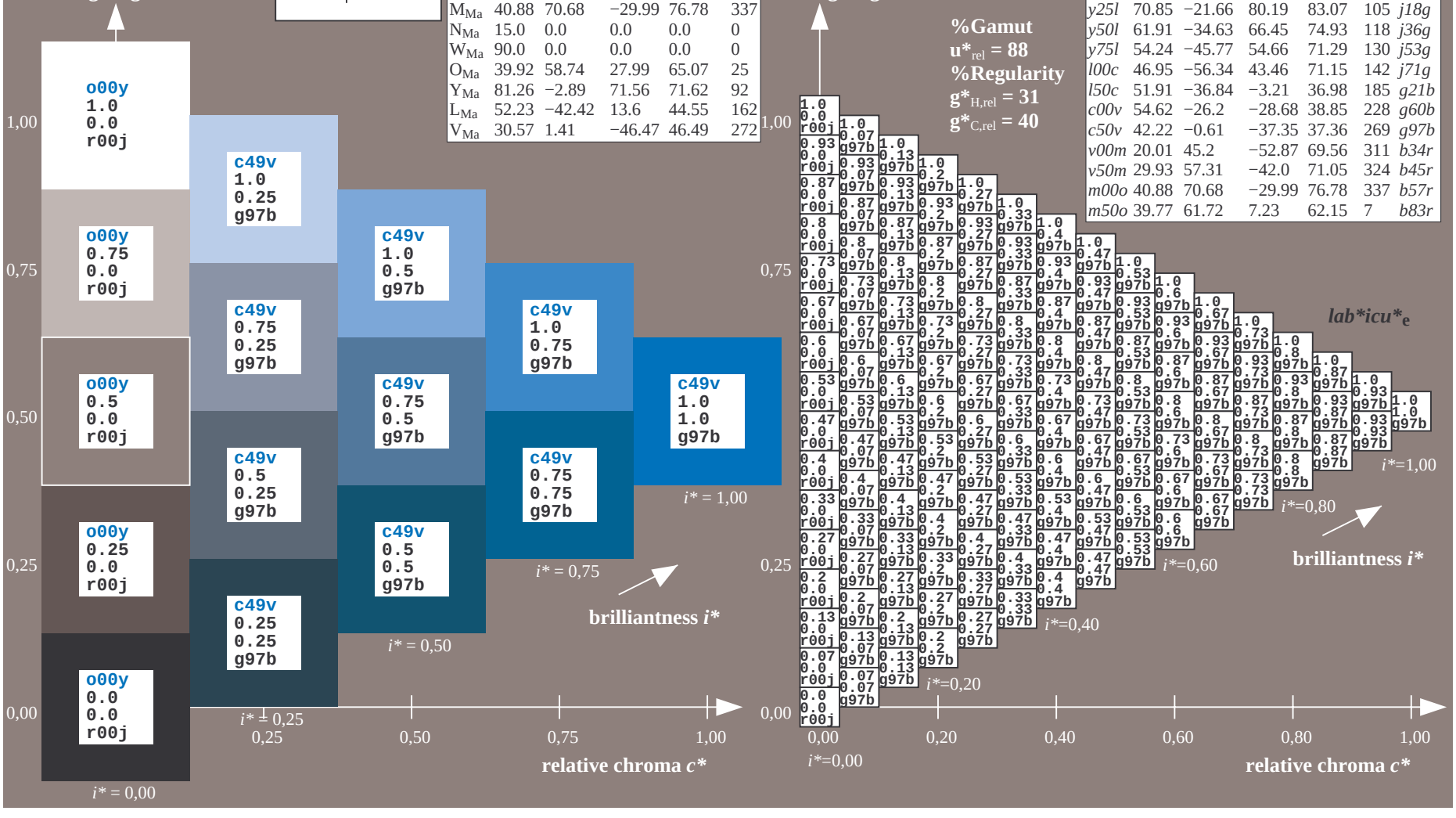
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 42 −1 −37**
LAB*LCH*$_{Ma}$**: 42 37 269**
lab*olv*$_{Ma}$**: 0.0 0.5 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.05 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
lab*icu*$_e$

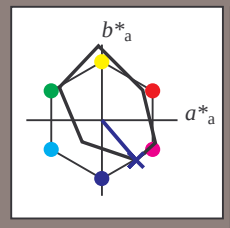
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

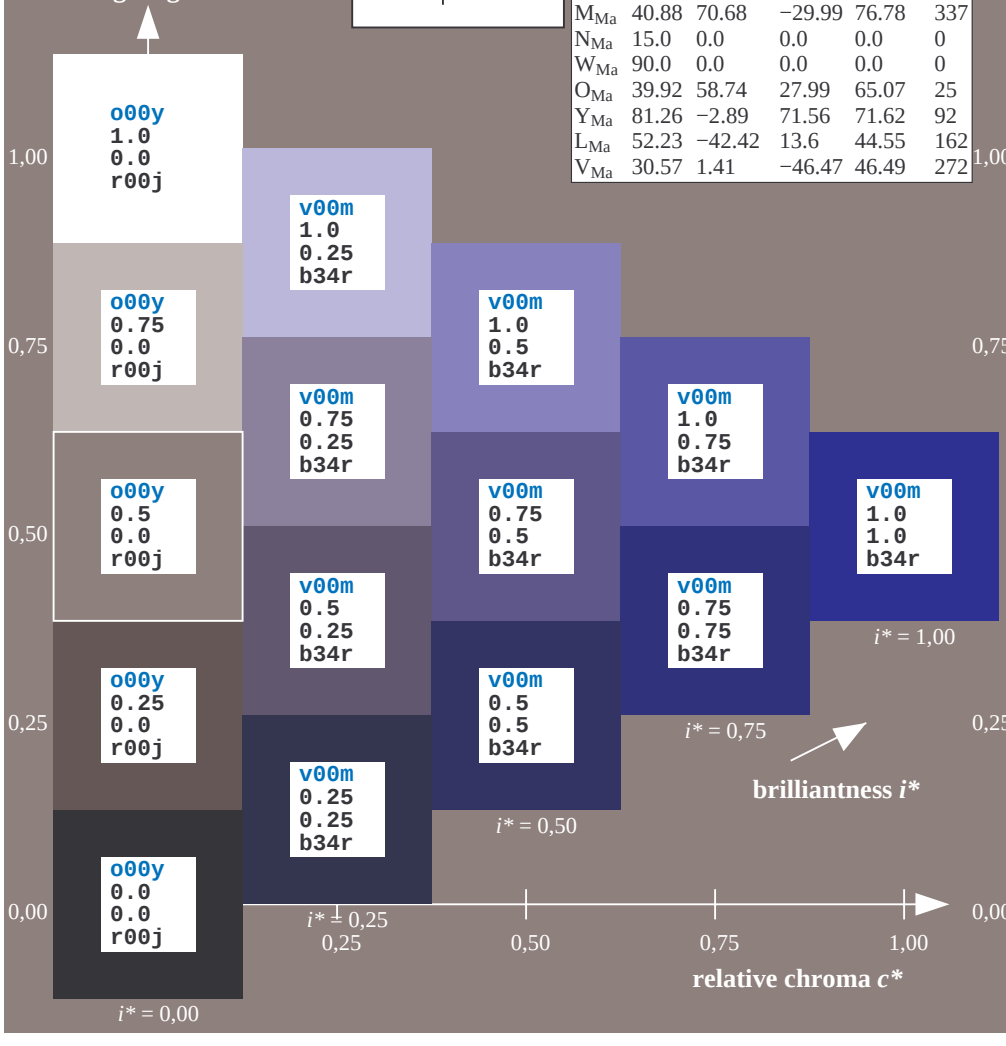
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

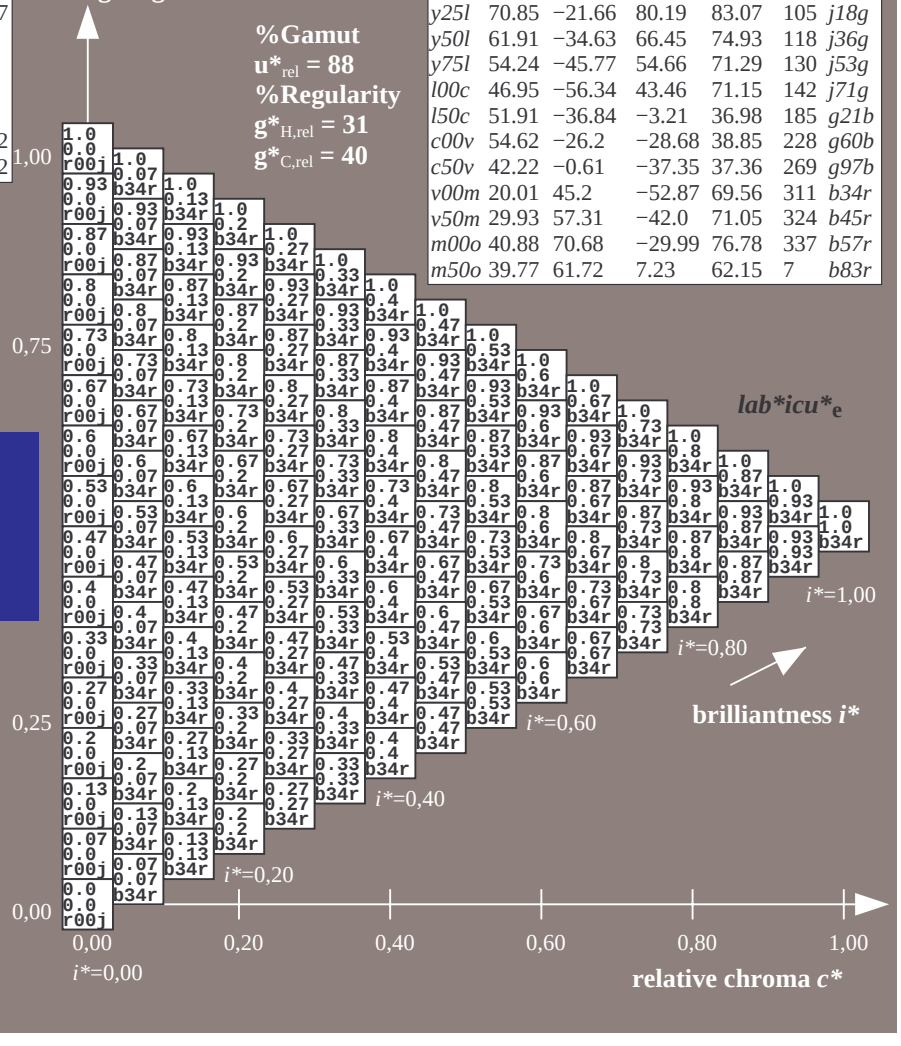
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
*lab*icu**$_e$

FRS09_92aM; adapted (a) CIELAB data

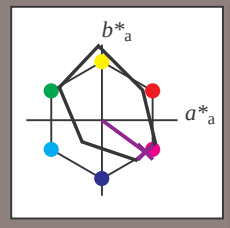
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

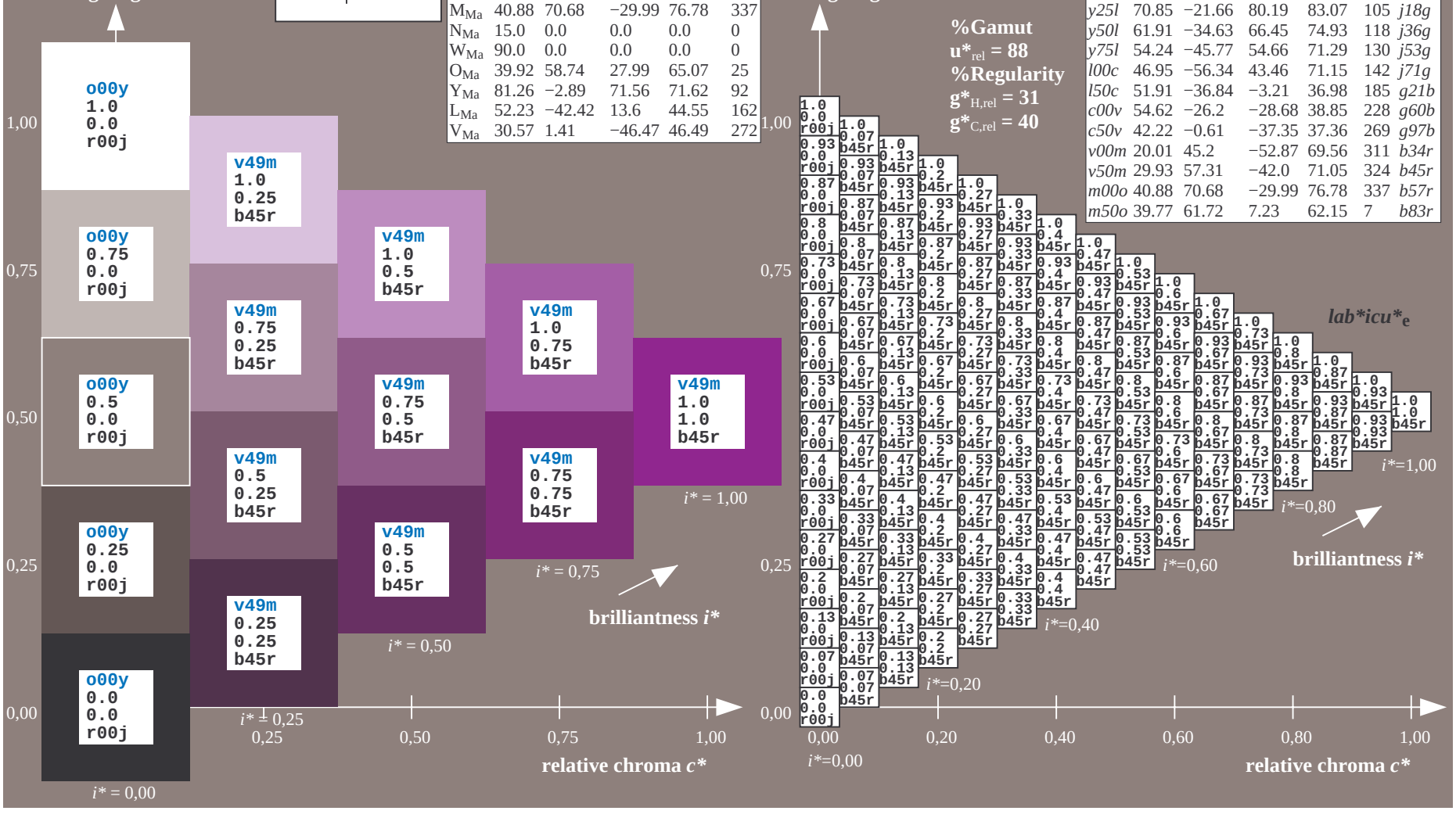
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v50m*
*lab*icu**$_e$

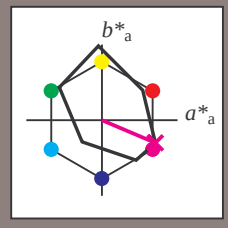
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

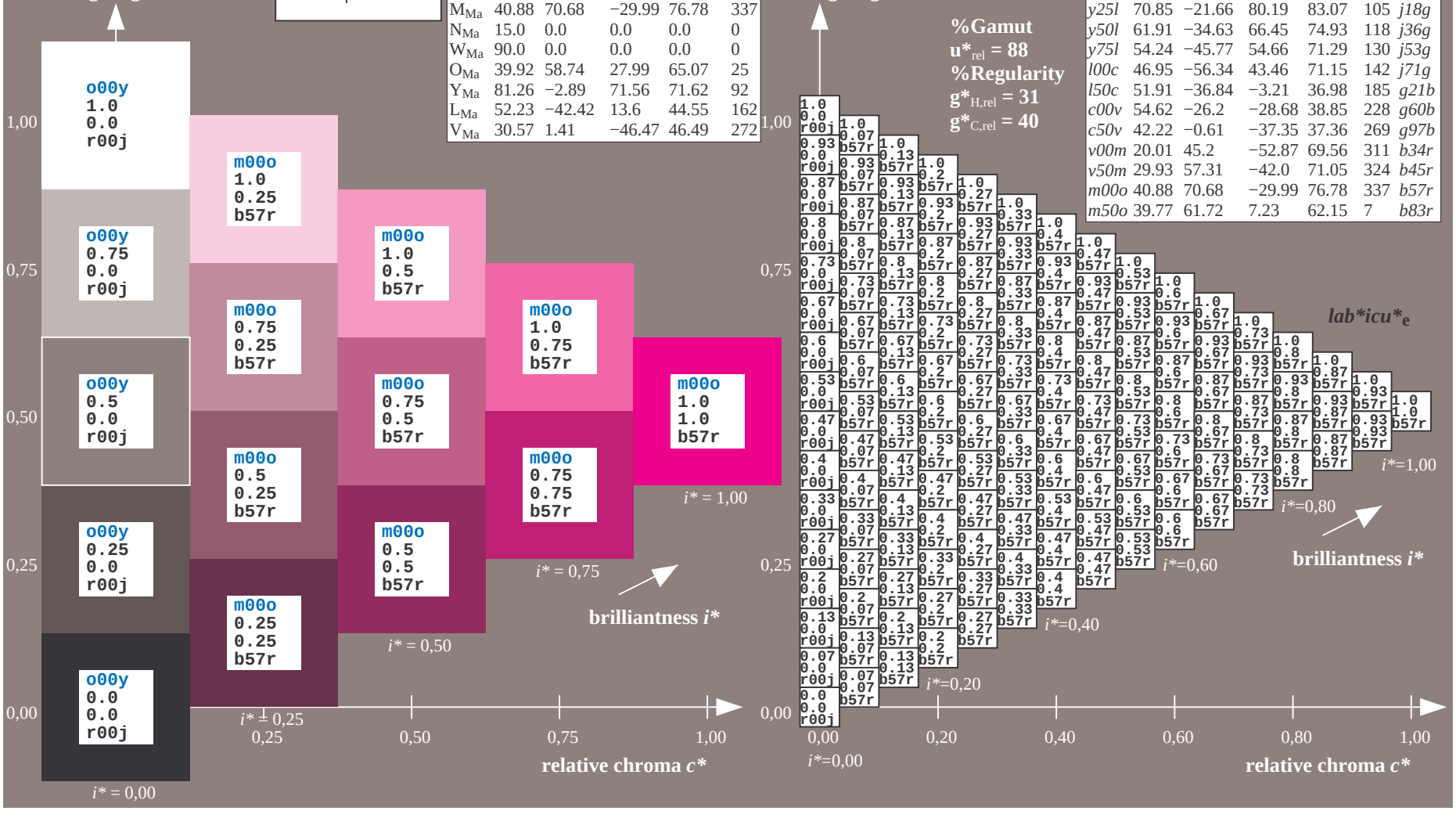
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 41 71 −30
*LCH**$_{Ma}$: 41 77 337
*olv**$_{Ma}$: 1.0 0.0 1.0
*rgb**$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

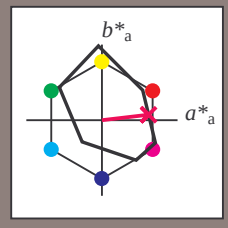
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	−4.64	98.22	98.33	93
L_{Ma}	46.95	−56.34	43.46	71.15	142
C_{Ma}	54.62	−26.2	−28.68	38.85	228
V_{Ma}	20.01	45.2	−52.87	69.56	311
M_{Ma}	40.88	70.68	−29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
O_{Ma}	39.92	58.74	27.99	65.07	25
Y_{Ma}	81.26	−2.89	71.56	71.62	92
L_{Ma}	52.23	−42.42	13.6	44.55	162
V_{Ma}	30.57	1.41	−46.47	46.49	272

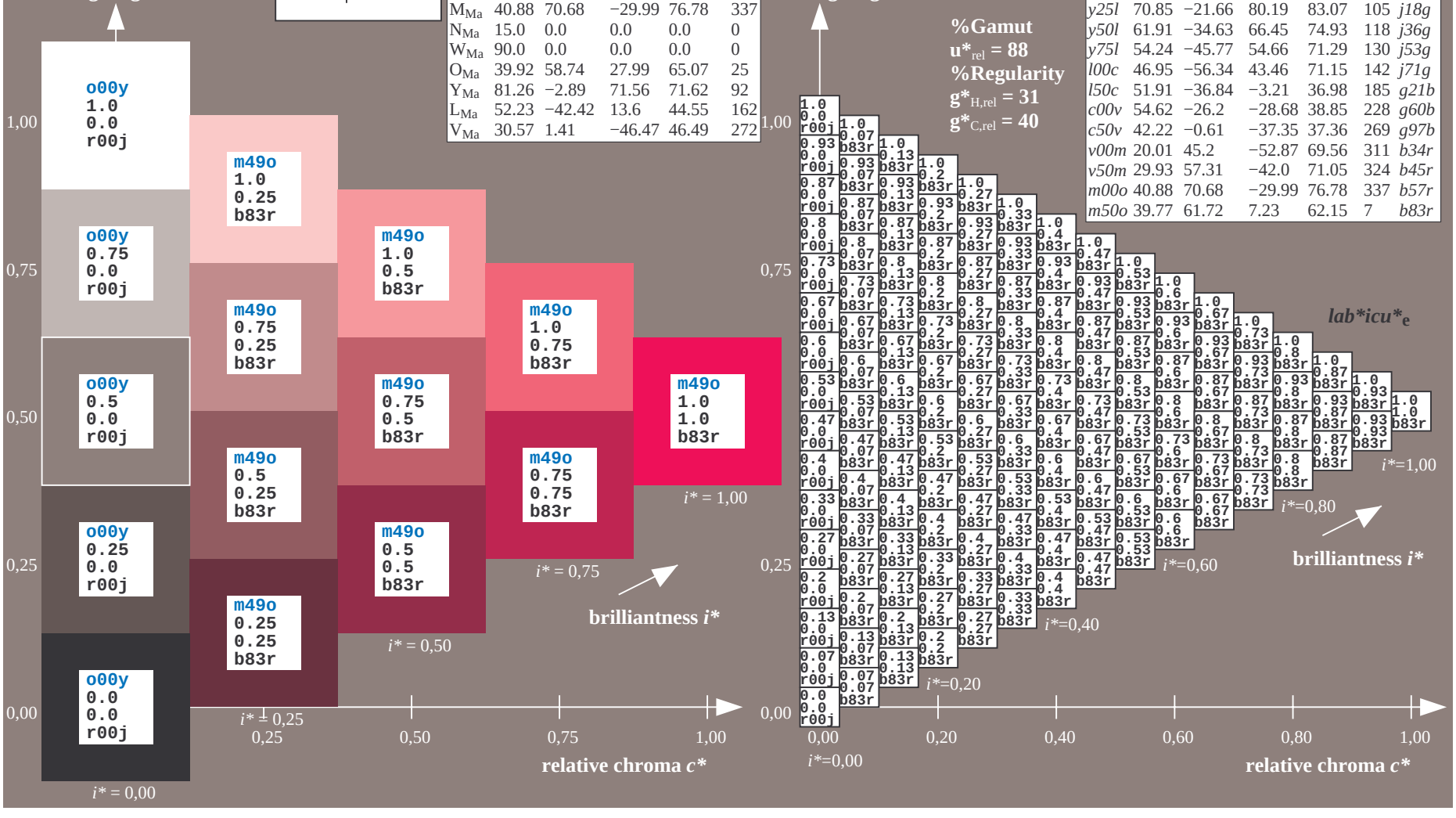
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 40 62 7
*LAB*LCH**$_{Ma}$: 40 62 6
*lab*olv**$_{Ma}$: 1.0 0.0 0.5
*lab*rgb**$_{Ma}$: 1.0 0.0 0.33
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *m50o*
*lab*icu**$_e$

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0
	r00j	j71g	j71g	j71g	j71g	j71g	j71g	j71g	j71g	r16j	j01g	j36g	j47g	j53g	j57g	j59g	j61g	j62g
02	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88
	b34r	g60b	g21b	g08b	g01b	j95g	j91g	j88g	j86g	b57r	r00j	j71g	j71g	j71g	j71g	j71g	j71g	j71g
03	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88
	b34r	g97b	g60b	g33b	g21b	g13b	g08b	g04b	g01b	b45r	b34r	g60b	g21b	g08b	g01b	j95g	j91g	j88g
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88
	b34r	b10r	g85b	g60b	g40b	g28b	g21b	g15b	g11b	b41r	b34r	g97b	g60b	g33b	g21b	g13b	g08b	g04b
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88
	b34r	b16r	g97b	g78b	g60b	g44b	g33b	g26b	g21b	b40r	b34r	b10r	g85b	g60b	g40b	g28b	g21b	g15b
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88
	b34r	b19r	b05r	g90b	g75b	g60b	g46b	g37b	g30b	b38r	b34r	b16r	g97b	g78b	g60b	g44b	g33b	g26b
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88
	b34r	b22r	b10r	g97b	g85b	g72b	g60b	g48b	g40b	b38r	b34r	b19r	b05r	g90b	g75b	g60b	g46b	g37b
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88
	b34r	b23r	b13r	b03r	g92b	g81b	g70b	g60b	g49b	b37r	b34r	b22r	b10r	g97b	g85b	g72b	g60b	g48b
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
	b34r	b25r	b16r	b07r	g97b	g88b	g78b	g69b	g60b	b37r	b34r	b23r	b13r	b03r	g92b	g81b	g70b	g60b
10	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	r16j	r44j	r72j	j01g	j18g	j29g	j36g	j41g	j44g	r16j	r37j	r58j	r79j	j01g	j15g	j24g	j31g	j36g
11	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88
	b92r	r16j	r58j	j01g	j24g	j36g	j43g	j47g	j51g	b96r	r16j	r44j	r72j	j01g	j18g	j29g	j36g	j41g
12	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75
	b75r	b83r	r16j	j01g	j36g	j47g	j53g	j57g	j59g	b83r	b92r	r16j	r58j	j01g	j24g	j36g	j43g	j47g
13	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63
	b57r	b57r	b57r	r00j	j71g	j71g	j71g	j71g	j71g	b70r	b75r	b83r	r16j	j01g	j36g	j47g	j53g	j57g
14	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0
	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5
	b52r	b49r	b45r	b34r	g60b	g21b	g08b	g01b	j95g	b57r	b57r	b57r	b57r	r00j	j71g	j71g	j71g	j71g
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5
	b48r	b45r	b41r	b34r	g97b	g60b	g33b	g21b	g13b	b53r	b52r	b49r	b45r	b34r	g60b	g21b	g08b	g01b
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5
	b45r	b43r	b40r	b34r	b10r	g85b	g60b	g40b	g28b	b49r	b48r	b45r	b41r	b34r	g97b	g60b	g33b	g21b
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5
	b44r	b41r	b38r	b34r	b16r	g97b	g78b	g60b	g44b	b47r	b45r	b43r	b40r	b34r	b10r	g85b	g60b	g40b
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5
	b42r	b40r	b38r	b34r	b19r	b05r	g90b	g75b	g60b	b45r	b44r	b41r	b38r	b34r	b16r	g97b	g78b	g60b
19	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	r16j	r30j	r44j	r58j	r72j	r86j	j01g	j11g	j18g	r16j	r28j	r40j	r52j	r64j	r76j	r88j	j01g	j09g
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88
	r01j	r16j	r33j	r49j	r66j	r83j	j01g	j12g	j21g	r04j	r16j	r30j	r44j	r58j	r72j	r86j	j01g	j11g
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75
	b92r	b99r	r16j	r37j	r58j	r79j	j01g	j15g	j24g	b94r	r01j	r16j	r33j	r49j	r66j	r83j	j01g	j12g
22	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63
	b83r	b88r	b96r	r16j	r44j	r72j	j01g	j18g	j29g	b87r	b92r	b99r	r16j	r37j	r58j	r79j	j01g	j15g
23	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.5
	b75r	b78r	b83r	b92r	r16j	r58j	j01g	j24g	j36g	b79r	b83r	b88r	b96r	r16j	r44j	r72j	j01g	j18g
24	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38
	b66r	b68r	b70r	b75r	b83r	r16j	j01g	j36g	j47g	b72r	b75r	b78r	b83r	b92r	r16j	r58j	j01g	j24g
25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25
	b57r	b57r	b57r	b57r	b57r	b57r	r00j	j71g	j71g	b65r	b66r	b68r	b70r	b75r	b83r	r16j	j01g	j36g
26	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0
	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13
	b54r	b53r	b53r	b52r	b49r	b45r	b34r	g60b	g21b	b57r	b57r	b57r	b57r	b57r	b57r	b57r	r00j	j71g
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13
	b52r	b51r	b49r	b48r	b45r	b41r	b34r	g97b	g60b	b54r	b54r	b53r	b53r	b52r	b49r	b45r	b34r	g60b

	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	*lab*icu**e			
01	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r16j	r58j	j01g	j24g	j36g	j43g	j47g	j51g	j53g	r00j	r16j	r16j	r16j	r16j	r16j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
02	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	b83r	r16j	j01g	j36g	j47g	j53g	j57g	j59g	j61g	g60b	r00j	r16j	r16j	r16j	r16j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
03	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b57r	b57r	r00j	j71g	j71g	j71g	j71g	j71g	j71g	g60b	g60b	r00j	r16j	r16j	r16j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
04	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b49r	b45r	b34r	g60b	g21b	g08b	g01b	j95g	j91g	g60b	g60b	g60b	r00j	r16j	r16j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
05	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b45r	b41r	b34r	g97b	g60b	g33b	g21b	g13b	g08b	g60b	g60b	g60b	g60b	r00j	r16j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
06	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b43r	b40r	b34r	b10r	g85b	g60b	g40b	g28b	g21b	g60b	g60b	g60b	g60b	g60b	r00j	r16j	r16j	r16j	r00j	r00j	r00j	r00j
07	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b41r	b38r	b34r	b16r	g97b	g78b	g60b	g44b	g33b	g60b	g60b	g60b	g60b	g60b	g60b	r00j	r16j	r16j	r00j	r00j	r00j	r00j
08	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.88	0.88	0.88	0.88
	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	b40r	b38r	b34r	b19r	b05r	g90b	g75b	g60b	g46b	g60b	g60b	g60b	g60b	g60b	g60b	g60b	r00j	r16j	r00j	r00j	r00j	r00j
09	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	b40r	b37r	b34r	b22r	b10r	g97b	g85b	g72b	g60b	g60b	g60b	g60b	g60b	g60b	g60b	g60b	g60b	r00j	r00j	r00j	r00j	r00j
10	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r16j	r33j	r49j	r66j	r83j	j01g	j12g	j21g	j27g	r00j	j01g	j01g	j01g	j01g	j01g	j01g	j01g	j01g	r00j	r00j	r00j	r00j
11	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07
	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	b99r	r16j	r37j	r58j	r79j	j01g	j15g	j24g	j31g	b34r	r00j	j01g	j01g	j01g	j01g	j01g	j01g	j01g	r00j	r00j	r00j	r00j
12	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.13	0.13	0.13	0.13
	0.63	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b88r	b96r	r16j	r44j	r72j	j01g	j18g	j29g	j36g	b34r	b34r	r00j	j01g	j01g	j01g	j01g	j01g	j01g	r00j	r00j	r00j	r00j
13	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.2	0.2	0.2	0.2
	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b78r	b83r	b92r	r16j	r58j	j01g	j24g	j36g	j43g	b34r	b34r	b34r	r00j	j01g	j01g	j01g	j01g	j01g	r00j	r00j	r00j	r00j
14	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.27	0.27	0.27	0.27
	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b68r	b70r	b75r	b83r	r16j	j01g	j36g	j47g	j53g	b34r	b34r	b34r	b34r	r00j	j01g	j01g	j01g	j01g	r00j	r00j	r00j	r00j
15	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.33	0.33	0.33	0.33
	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b57r	b57r	b57r	b57r	b57r	r00j	j71g	j71g	j71g	b34r	b34r	b34r	b34r	b34r	r00j	j01g	j01g	j01g	r00j	r00j	r00j	r00j
16	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.4	0.4	0.4	0.4
	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.25	0.38	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b53r	b53r	b52r	b49r	b45r	b34r	g60b	g21b	g08b	b34r	b34r	b34r	b34r	b34r	b34r	r00j	j01g	j01g	r00j	r00j	r00j	r00j
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.47	0.47	0.47	0.47
	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.38	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	0.0	0.0	0.0
	b51r	b49r	b48r	b45r	b41r	b34r	g97b	g60b	g33b	b34r	b34r	b34r	b34r	b34r	b34r	b34r	r00j	j01g	r00j	r00j	r00j	r00j
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.53	0.53	0.53	0.53
	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0
	b48r	b47r	b45r	b43r	b40r	b34r	b10r	g85b	g60b	b34r	b34r	b34r	b34r	b34r	b34r	b34r	b34r	r00j	r00j	r00j	r00j	r00j
19	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.6	0.6	0.6
	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0
	r16j	r27j	r37j	r47j	r58j	r68j	r79j	r89j	j01g	r00j	j71g	j71g	j71g	j71g	j71g	j71g	j71g	j71g	r00j	r00j	r00j	r00j
20	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.67	0.67	0.67	0.67
	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0
	r05j	r16j	r28j	r40j	r52j	r64j	r76j	r88j	j01g	b57r	r00j	j71g	j71g	j71g	j71g	j71g	j71g	j71g	r00j	r00j	r00j	r00j
21	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.73	0.73	0.73	0.73
	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0
	b96r	r04j	r16j	r30j	r44j	r58j	r72j	r86j	j01g	b57r	b57r	r00j	j71g	j71g	j71g	j71g	j71g	j71g	r00j	r00j	r00j	r00j
22	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.8	0.8	0.8	0.8
	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.0	0.0	0.0	0.0
	b90r	b94r	r01j	r16j	r33j	r49j	r66j	r83j	j01g	b57r	b57r	b57r	r00j	j71g	j71g	j71g	j71g	j71g	r00j	r00j	r00j	r00j
23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.87	0.87	0.87	0.87
	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.0	0.0	0.0	0.0
	b83r	b87r	b92r	b99r	r16j	r37j	r58j	r79j	j01g	b57r	b57r	b57r	b57r	r00j	j71g	j71g	j71g	j71g	r00j	r00j	r00j	r00j
24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.93	0.93	0.93	0.93
	1.0	0.88	0.75	0.63	0.5	0.38	0.38	0.38	0.38	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.38	0.0	0.0	0.0	0.0
	b77r	b79r	b83r	b88r	b96r	r16j	r44j	r72j	j01g	b57r	b57r	b57r	b57r	b57r	r00j	j71g	j71g	j71g	r00j	r00j	r00j	r00j
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	1.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.25	0.25	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.25	0.0	0.0	0.0	0.0
	b70r	b72r	b75r	b78r	b83r	b92r	r16j	r58j	j01g	b57r	b57r	b57r	b57r	b57r	b57r	r00j	j71g	j71g	r00j	r00j	r00j	r00j
26	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.13	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.0	1.0	1.0	1.0
	b64r	b65r	b66r	b68r	b70r	b75r	b83r	r16j	j01g	b57r	b57r	b57r	b57r	b57r	b57r	b57r	r00j	j71g	r00j	r16j	j01g	j71g
27	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	1.0	1.0	1.0
	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	1.0	1.0	1.0
	b57r	b57r	b57r	b57r	b57r	b57r	b57r	b57r	r00j	b57r	b57r	b57r	b57r	b57r	b57r	b57r	b57r	r00j	r00j	g60b	b34r	b57r

See for similar files: http://www.ps.bam.de/Ee63/; www.ps.bam.de/Ee.HTM
Technical information: http://www.ps.bam.de Version 2.1, io=1,1, ColSpx=0

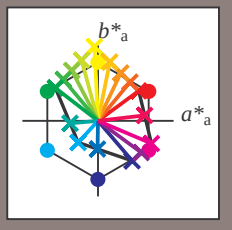
BAM registration: 20081001-Ee63/10L/L63E00NP.PS/ .PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

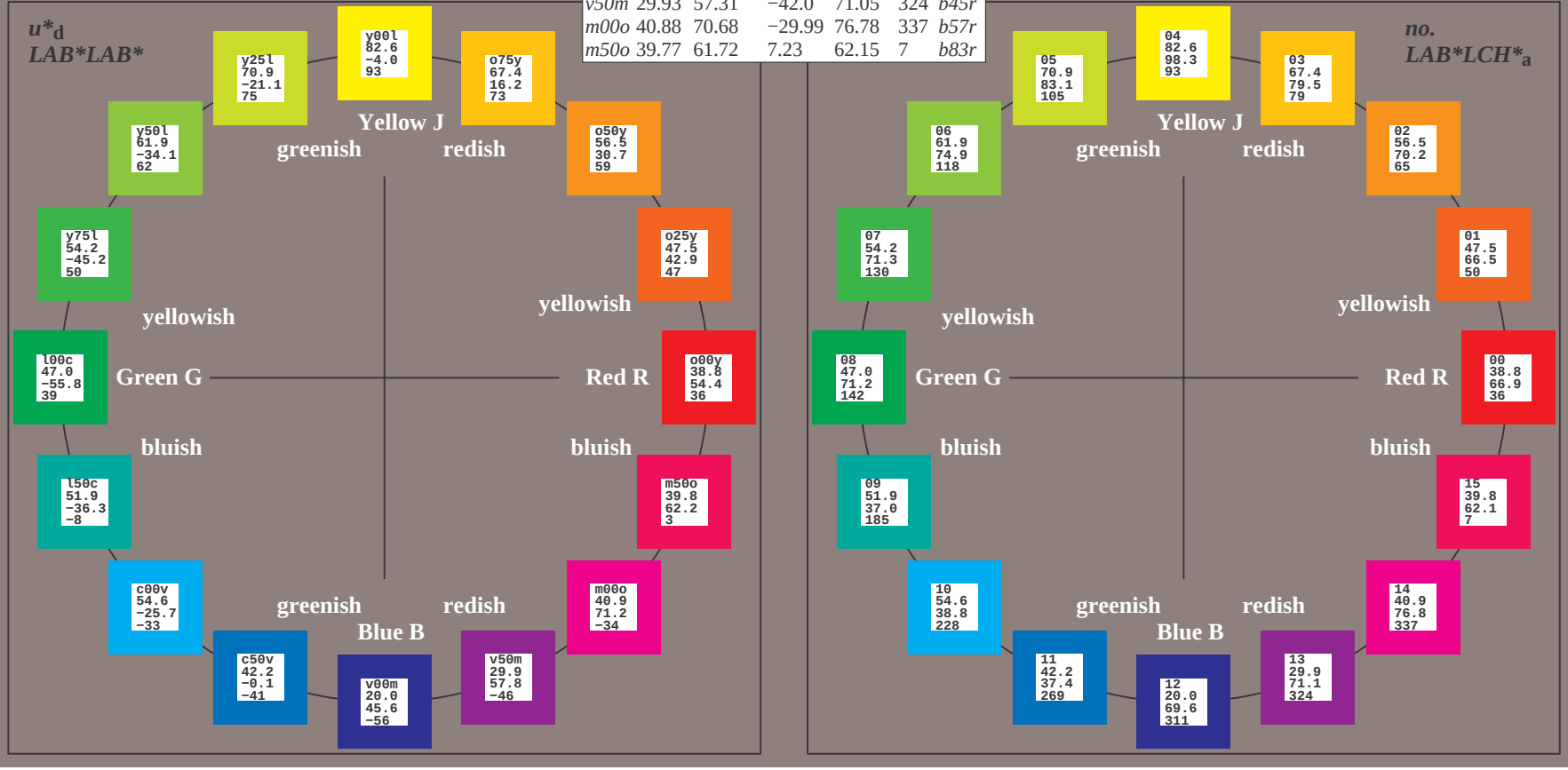
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

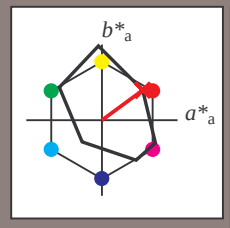
FRS09_92M; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

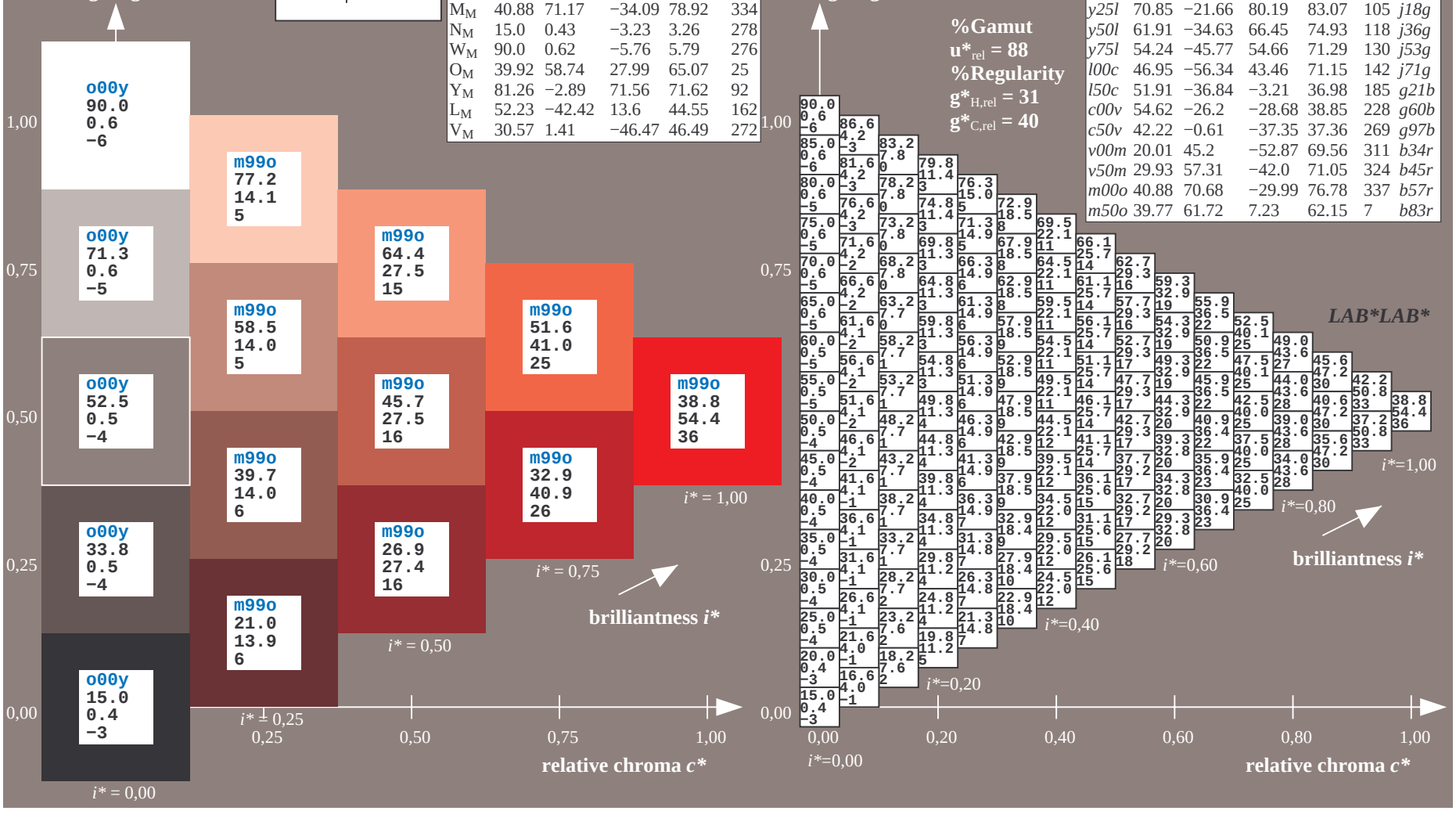
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 39 54 40
*LAB*LCH**$_{Ma}$: 39 67 36
*lab*olv**$_{Ma}$: 1.0 0.0 0.0
*lab*rgb**$_{Ma}$: 1.0 0.16 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

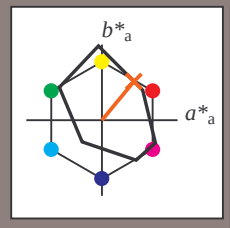
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

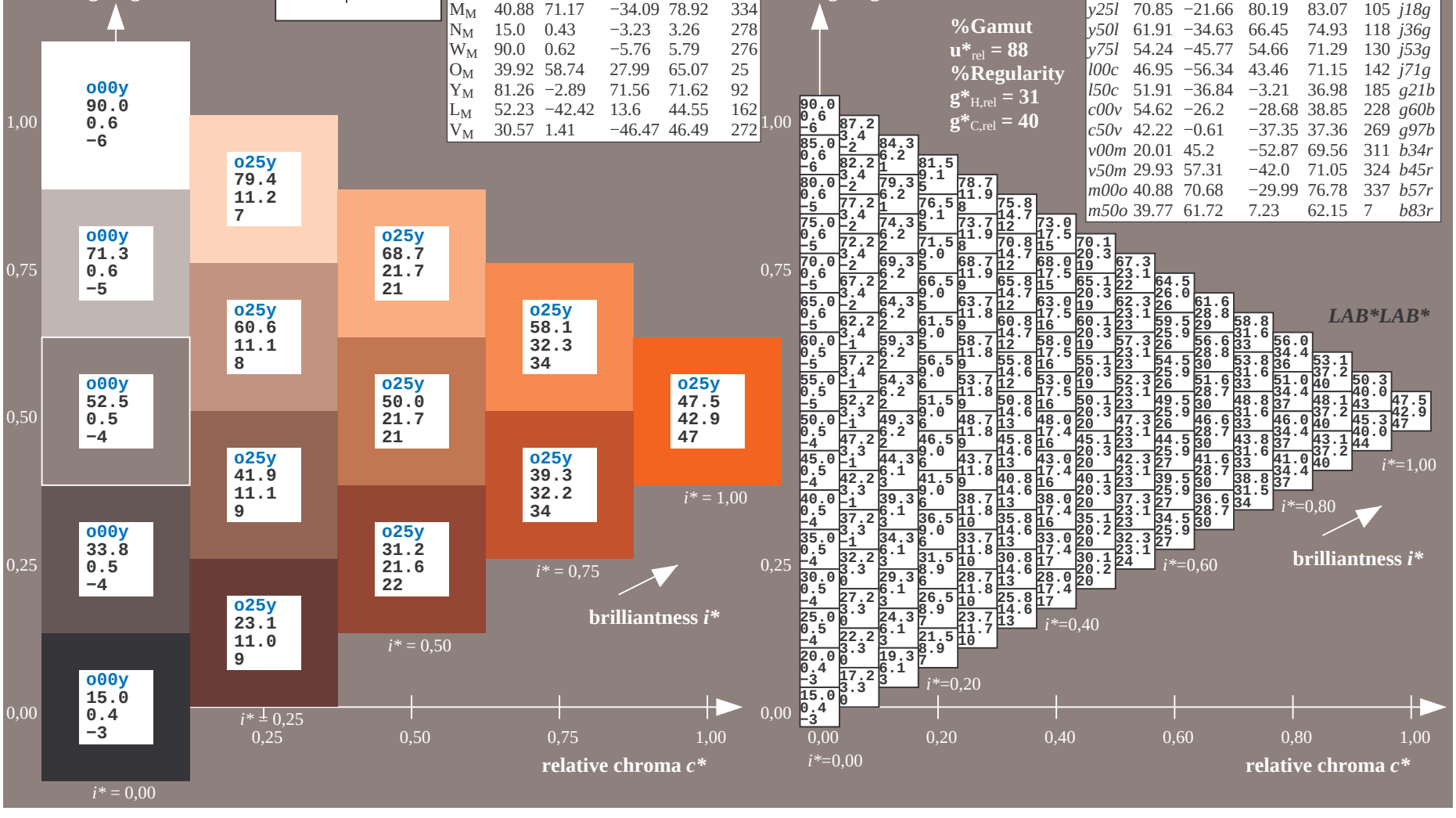
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 42 51
*LAB*LCH**$_{Ma}$: 47 66 50
*lab*olv**$_{Ma}$: 1.0 0.25 0.0
*lab*rgb**$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
*LAB*LAB**

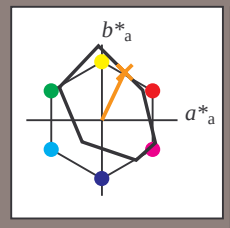
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

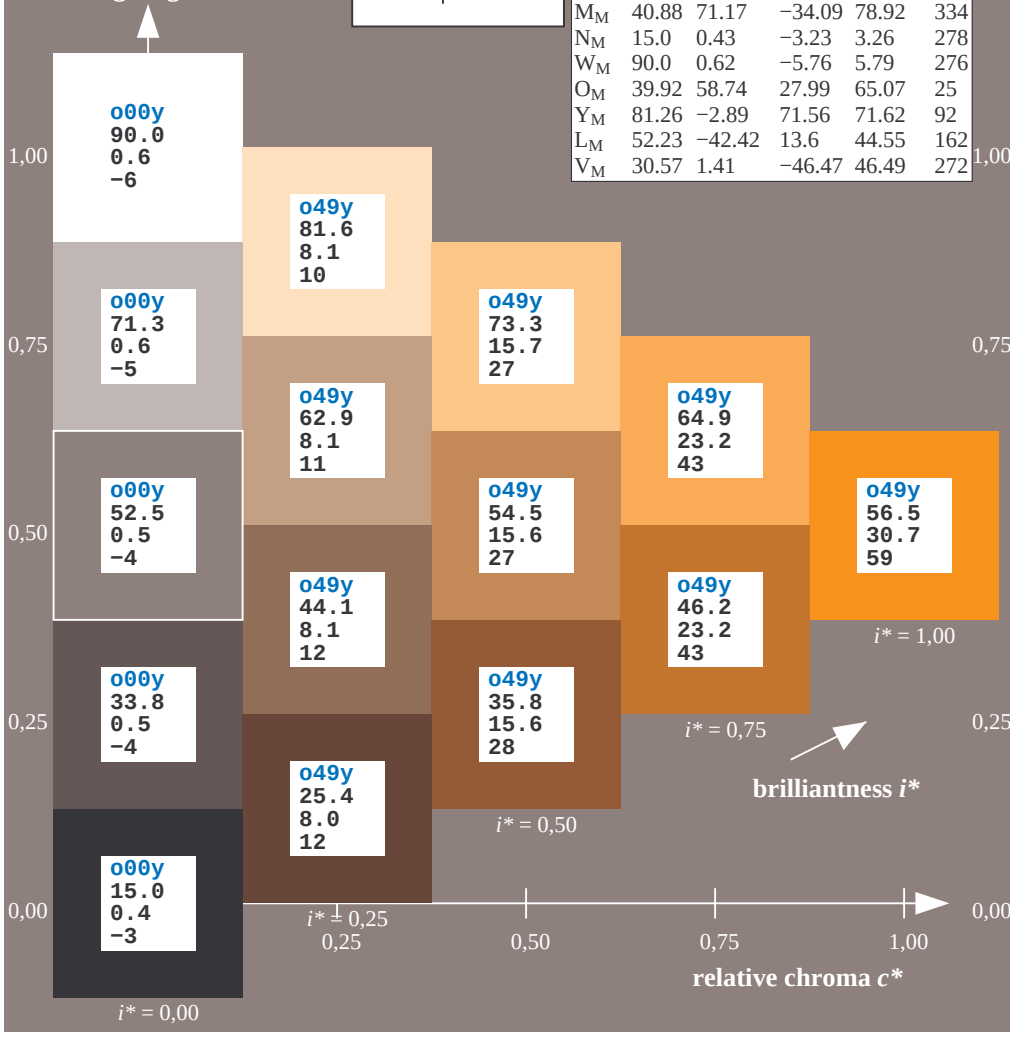
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

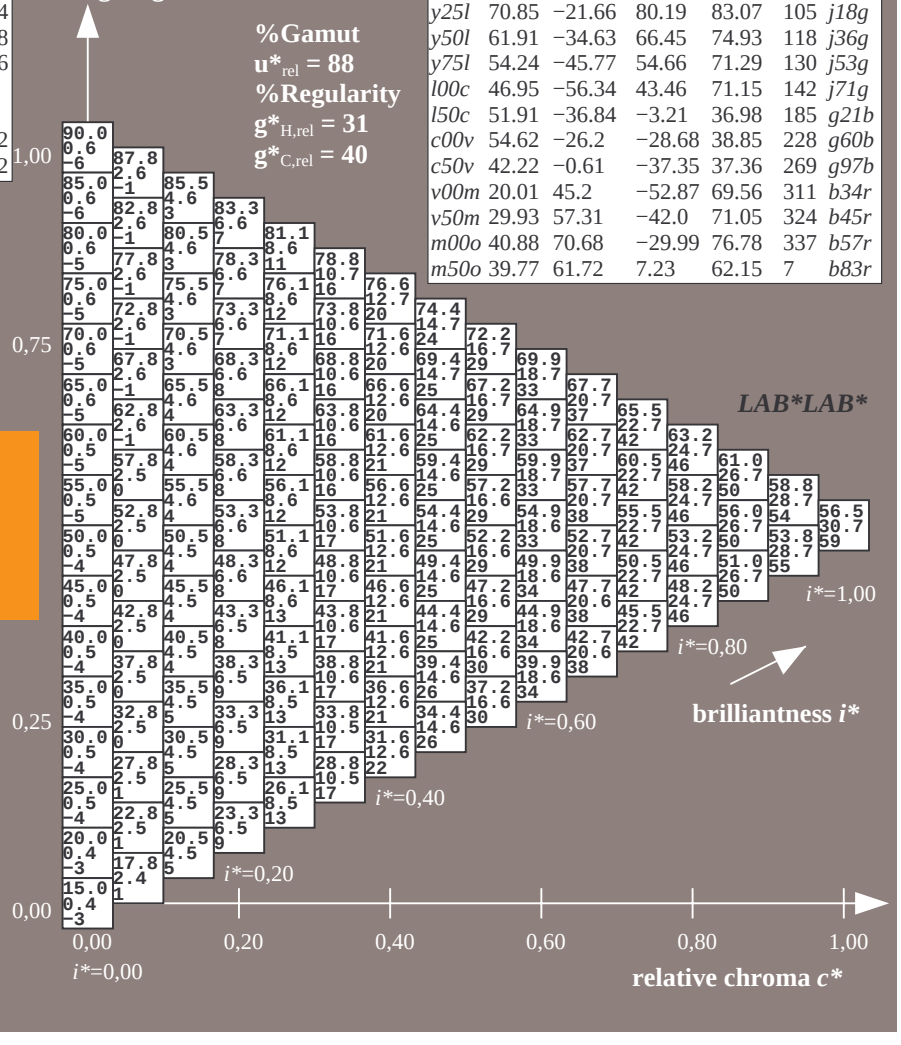
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 30 63
*LAB*LCH**$_{Ma}$: 57 70 64
*lab*olv**$_{Ma}$: 1.0 0.5 0.0
*lab*rgb**$_{Ma}$: 1.0 0.58 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

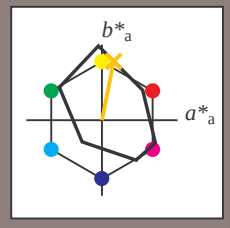
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



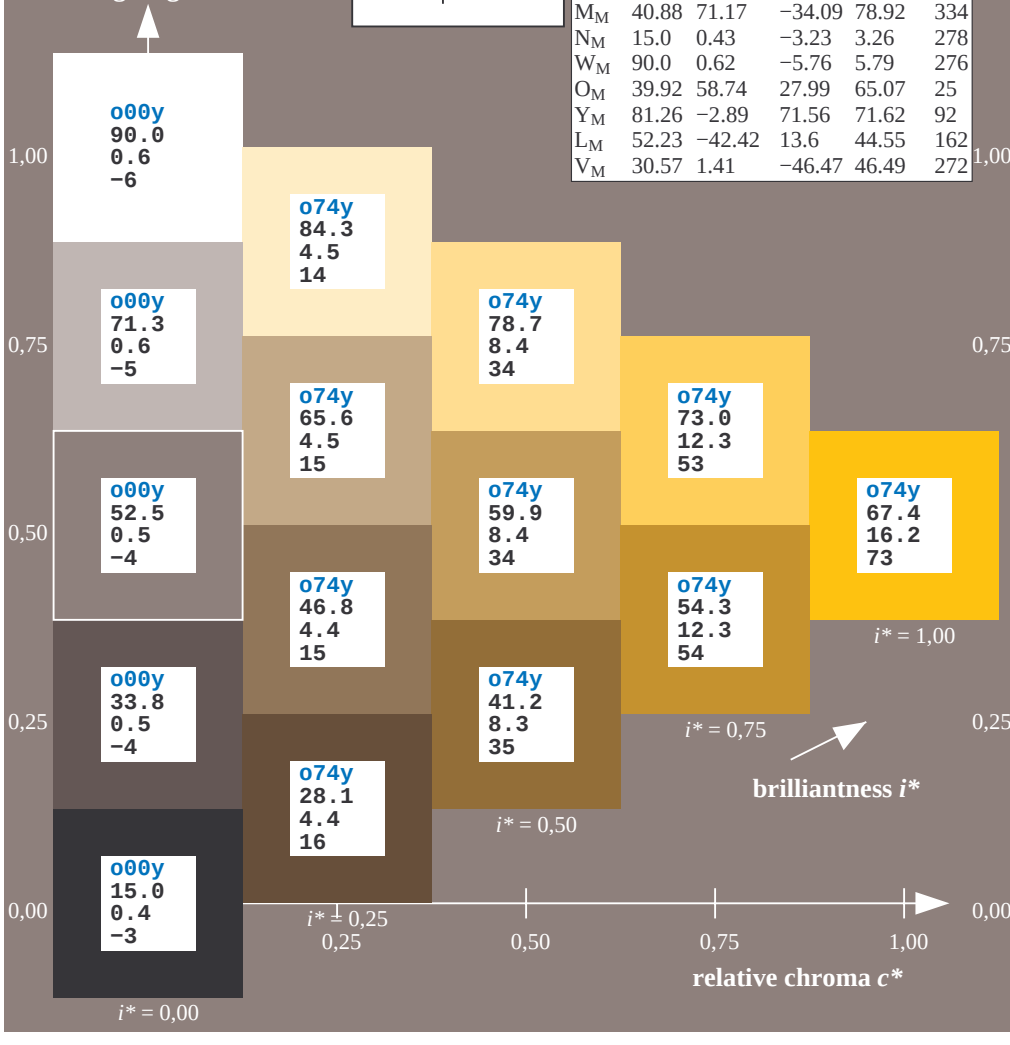
FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 16 78
*LAB*LCH**$_{Ma}$: 67 79 78
*lab*olv**$_{Ma}$: 1.0 0.75 0.0
*lab*rgb**$_{Ma}$: 1.0 0.8 0.0
triangle lightness *t**

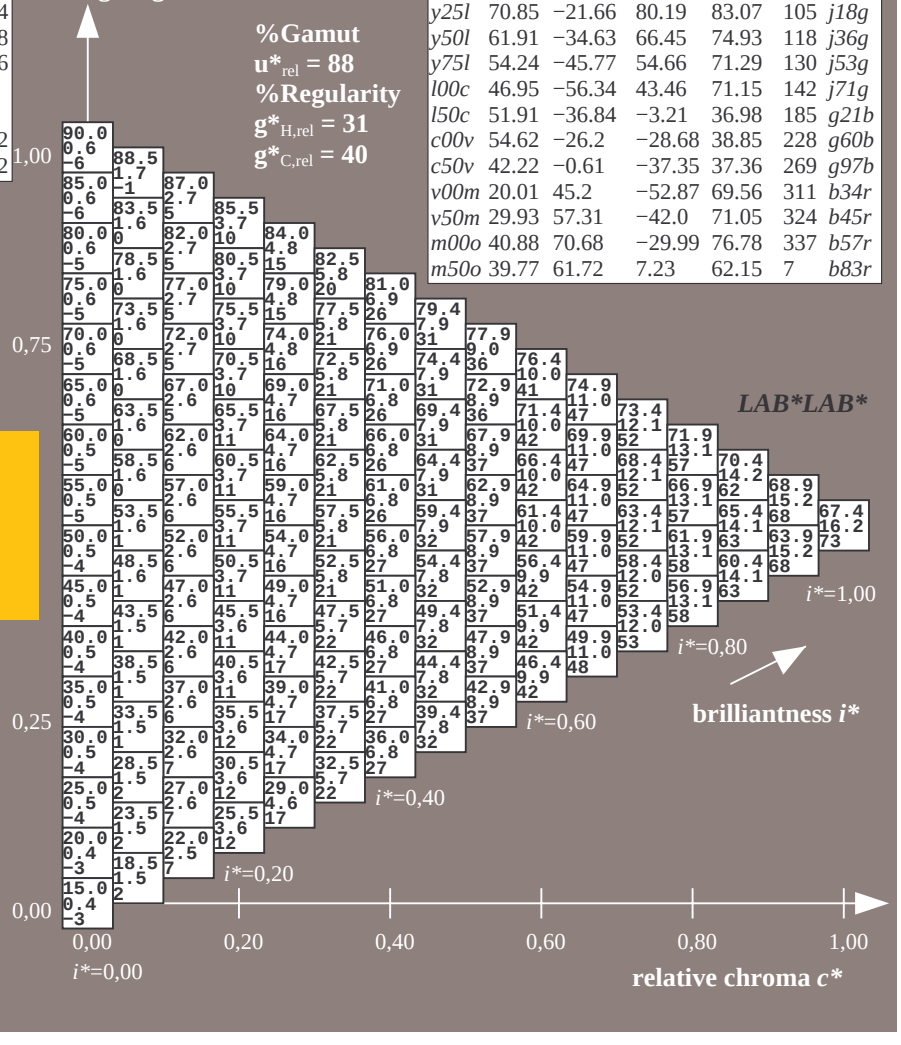
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



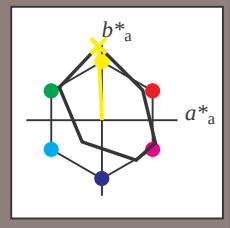
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
*LAB*LAB**



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

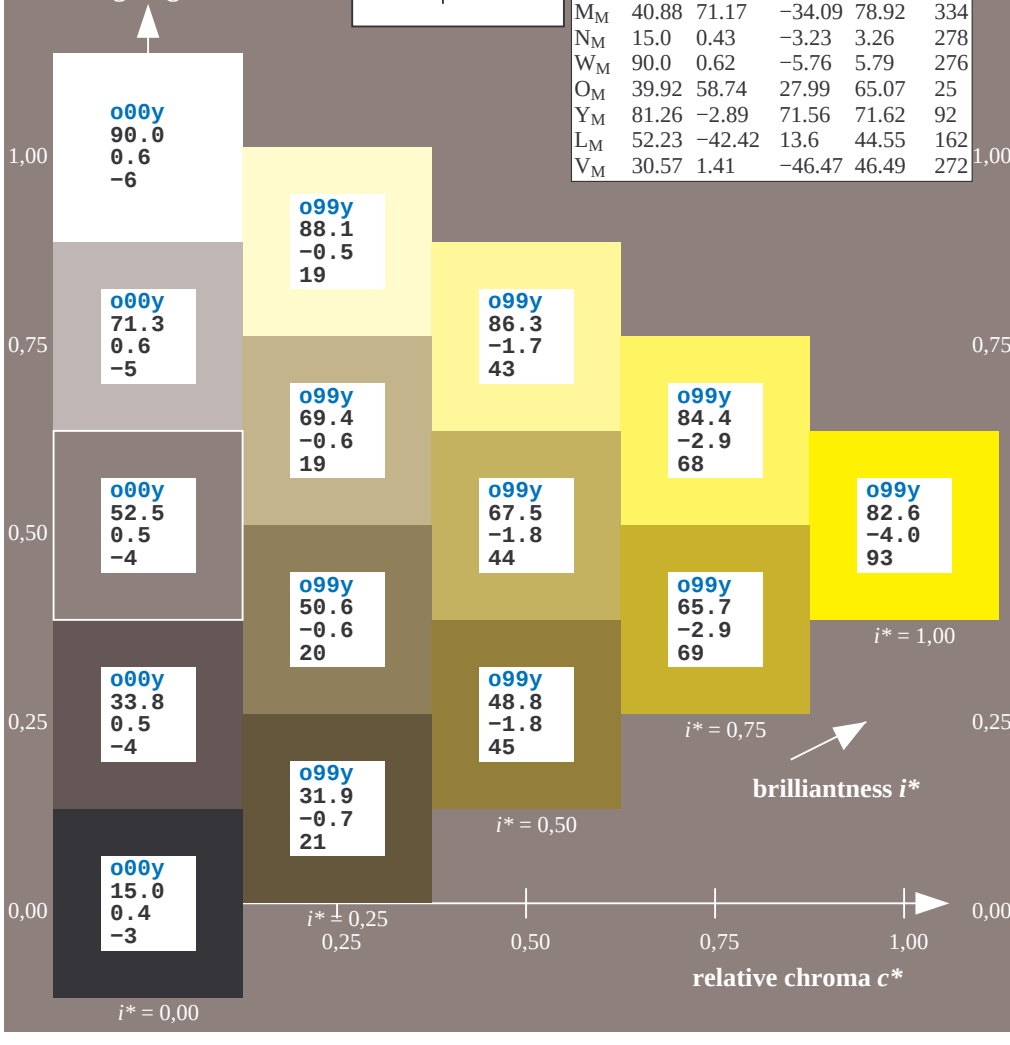
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −5 98**
LAB*LCH*$_{Ma}$**: 83 98 92**
lab*olv*$_{Ma}$**: 1.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.99 1.0 0.0**
triangle lightness *t**

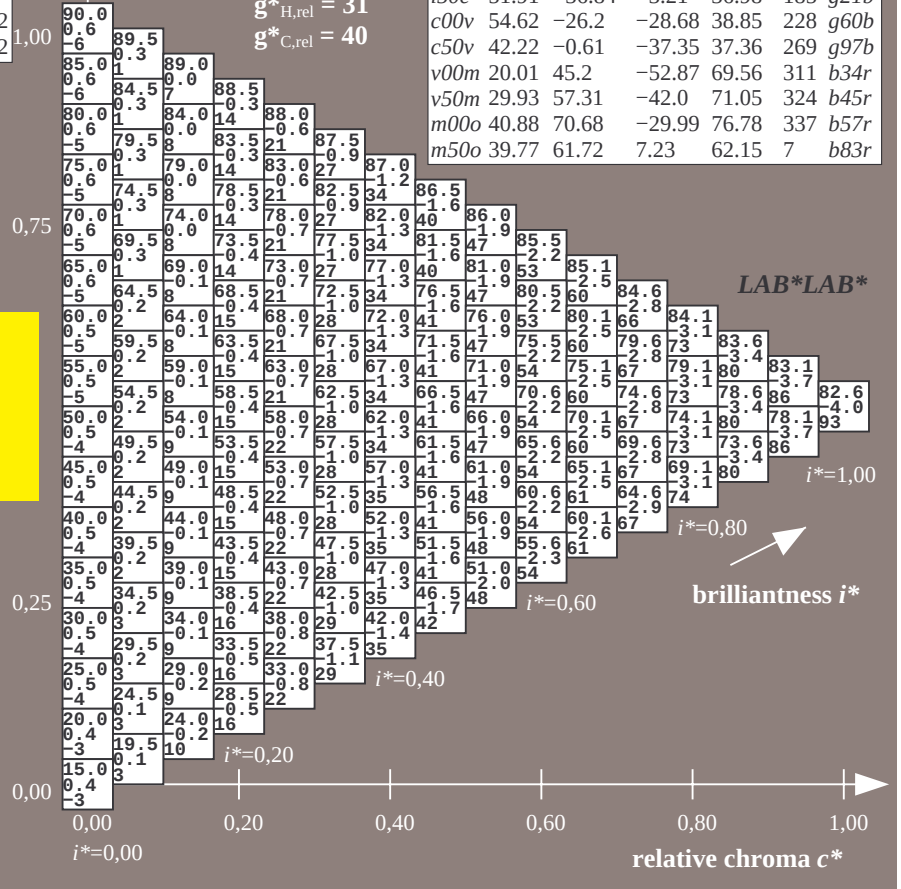
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y00l*
LAB*LAB*

FRS09_92aM; adapted (a) CIELAB data

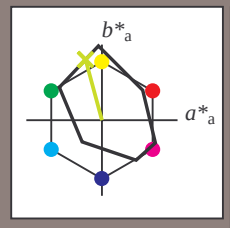
u^*_d	*L*=L**$_a$	*a**$_a$	*b**$_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

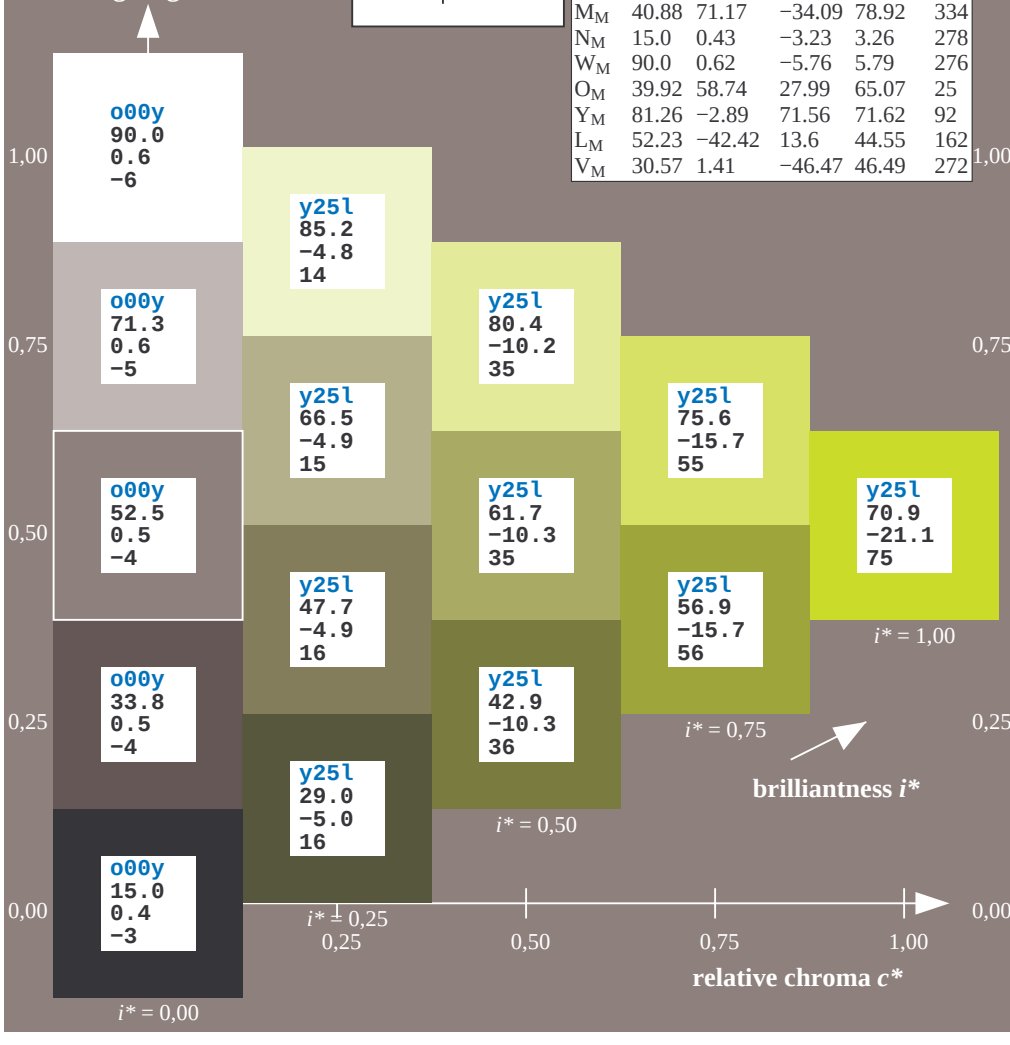
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

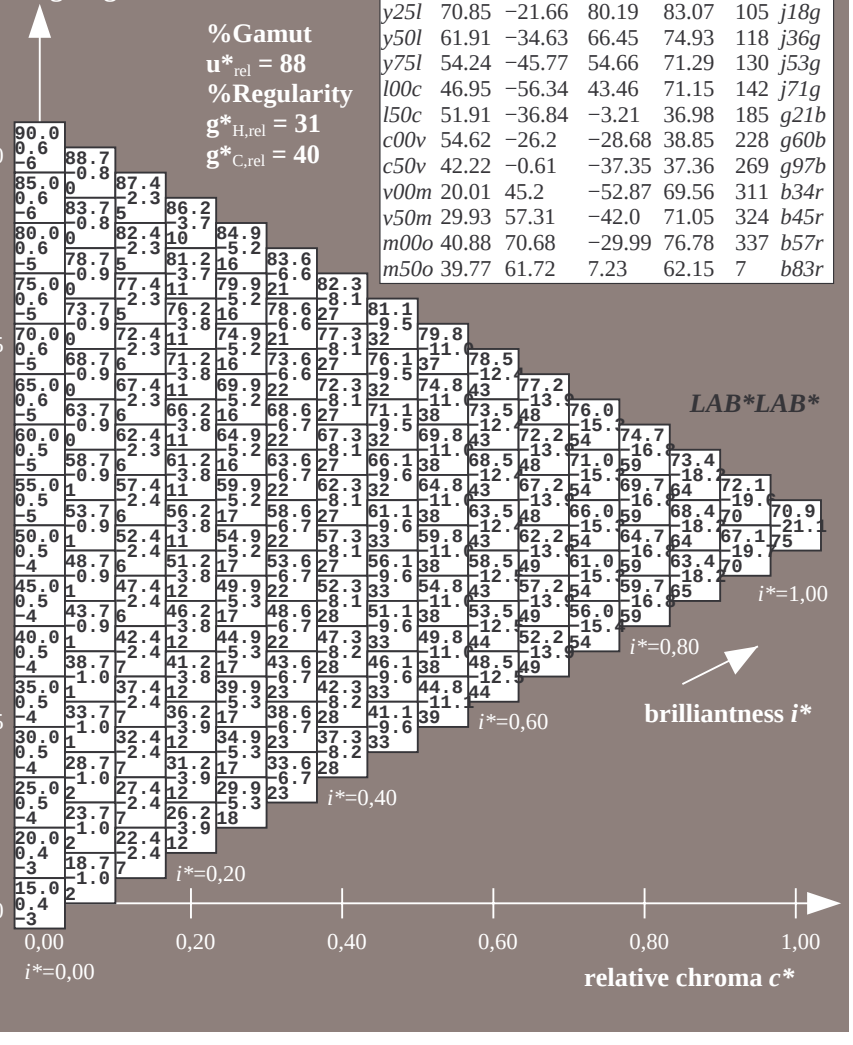
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

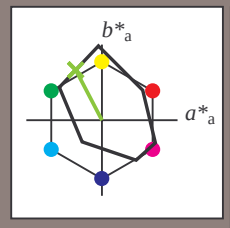
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

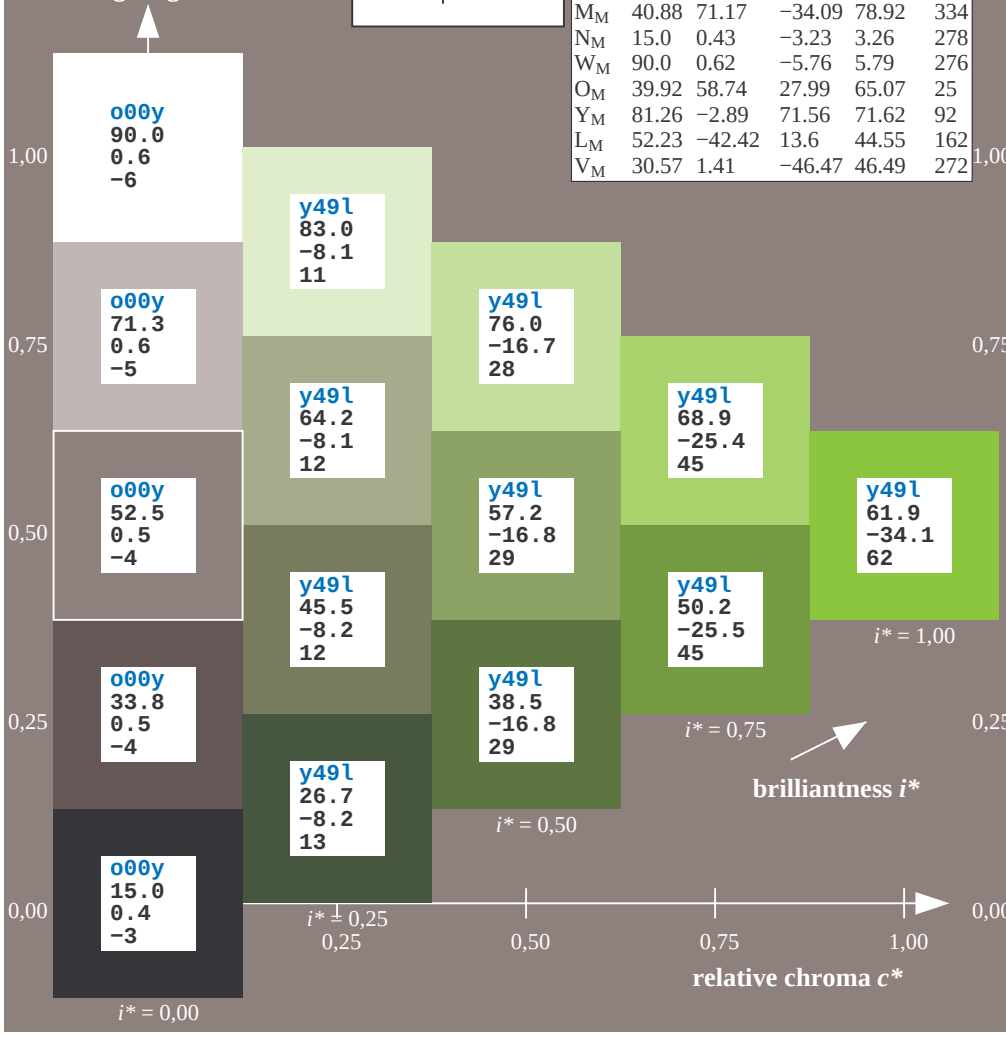
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 62 −35 66
*LAB*LCH**$_{Ma}$: 62 75 117
*lab*olv**$_{Ma}$: 0.5 1.0 0.0
*lab*rgb**$_{Ma}$: 0.64 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

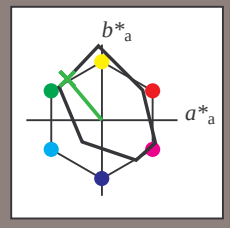
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_d = y75l$ $u^*_e = j53g$
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92M; CIELAB data

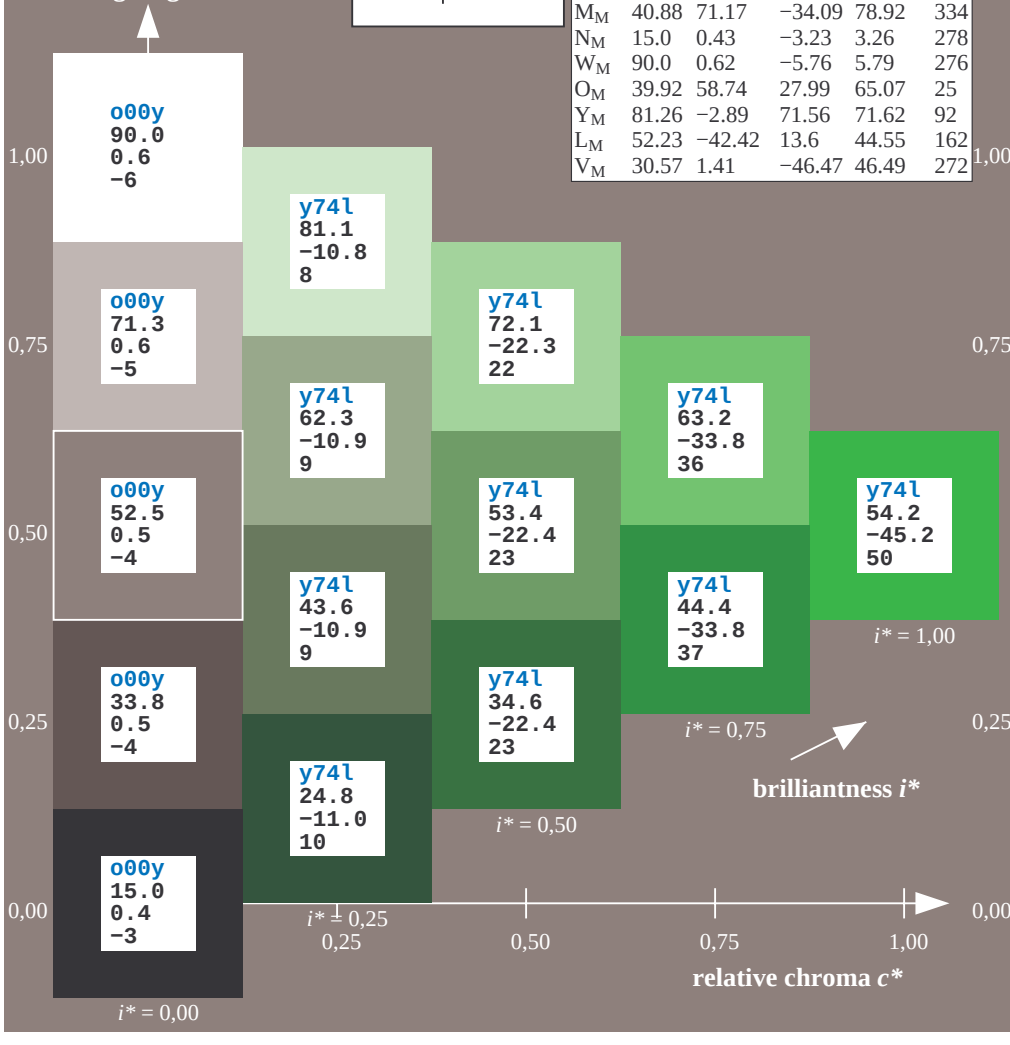
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

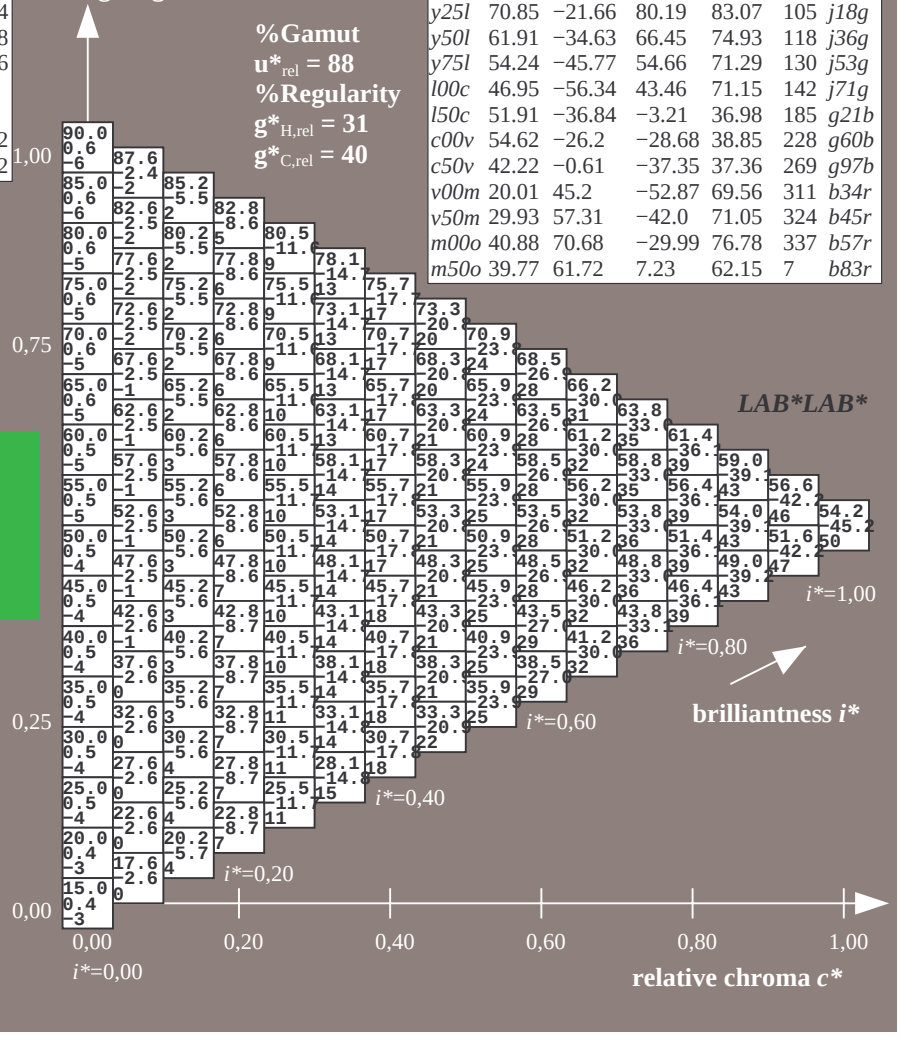
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 54 −46 55
$LAB^*LCH^*_{Ma}$: 54 71 129
$lab^*olv^*_{Ma}$: 0.25 1.0 0.0
$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
$u^*_{rel} = 88$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

FRS09_92aM; adapted (a) CIELAB data

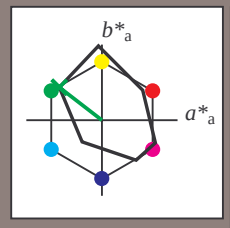
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

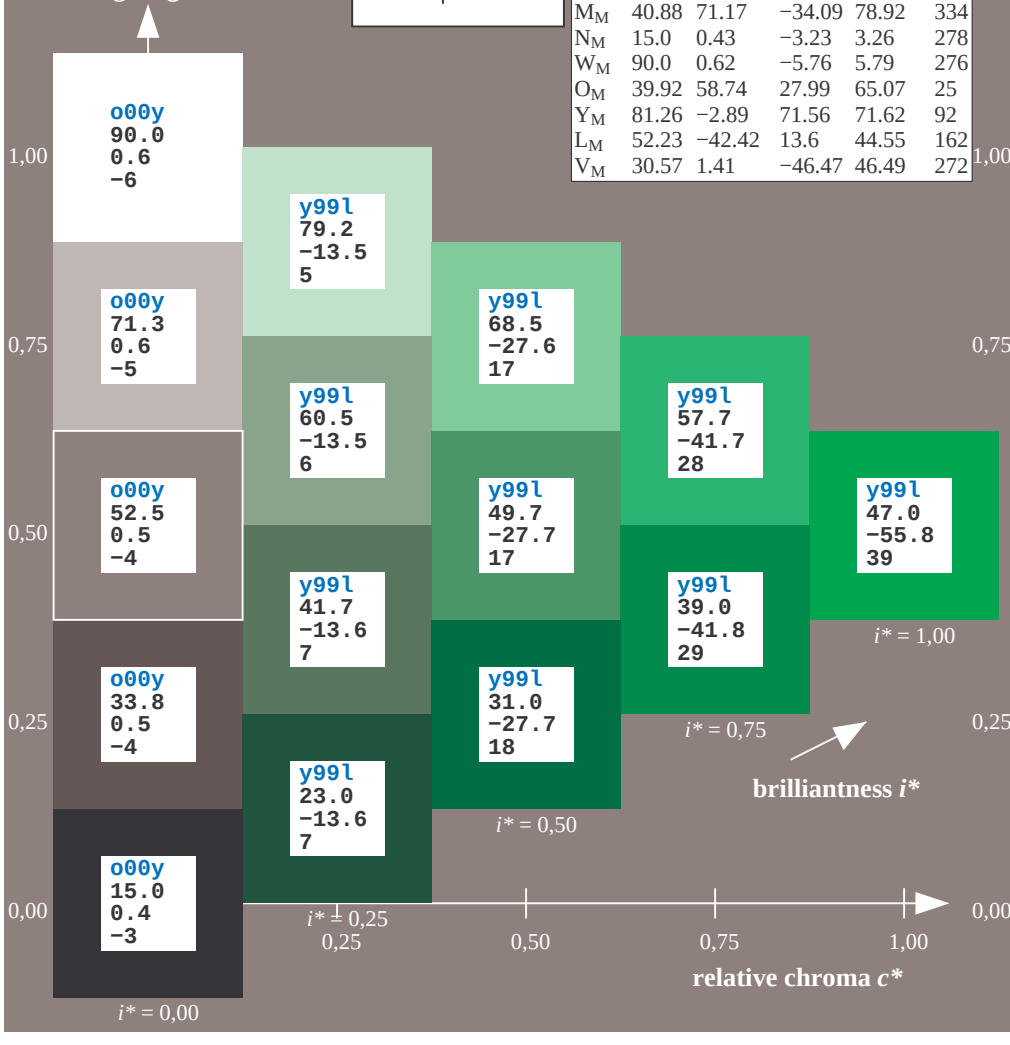
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

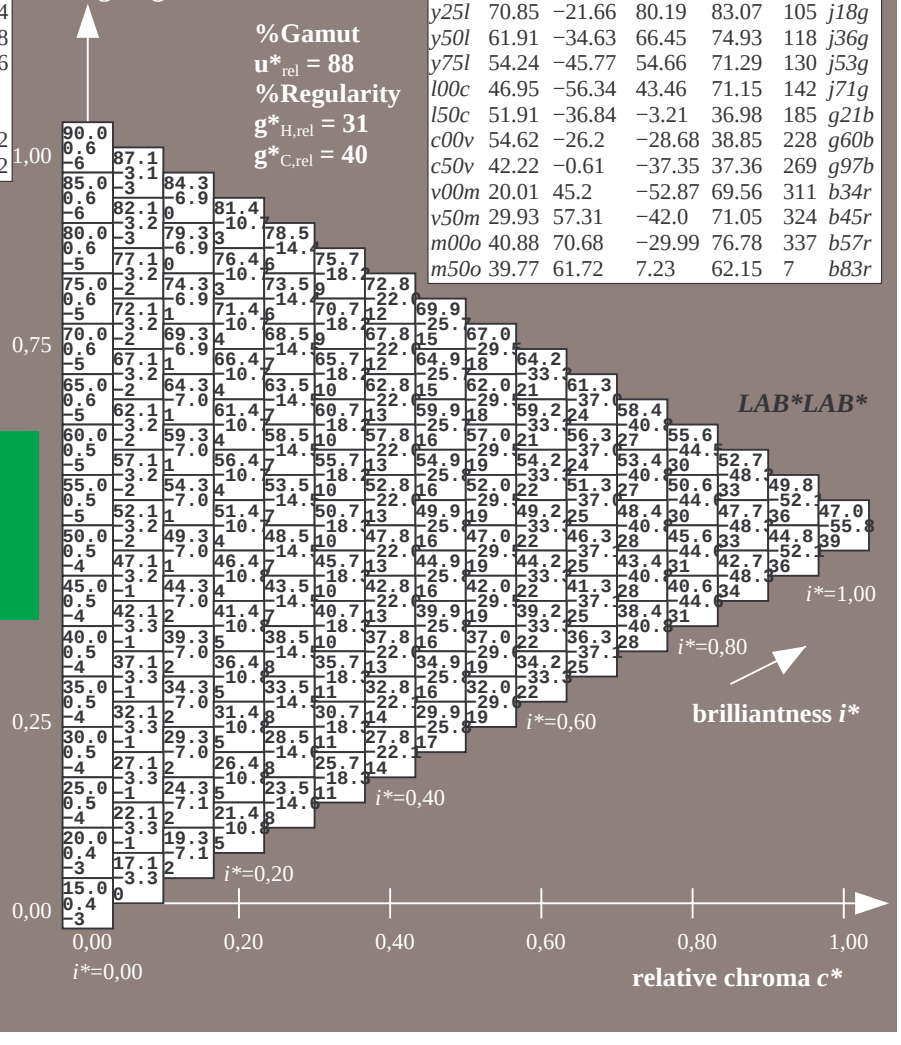
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 47 −56 43
*LAB*LCH**$_{Ma}$: 47 71 142
*lab*olv**$_{Ma}$: 0.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.28 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

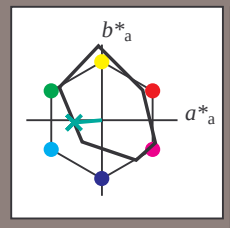
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92M; CIELAB data

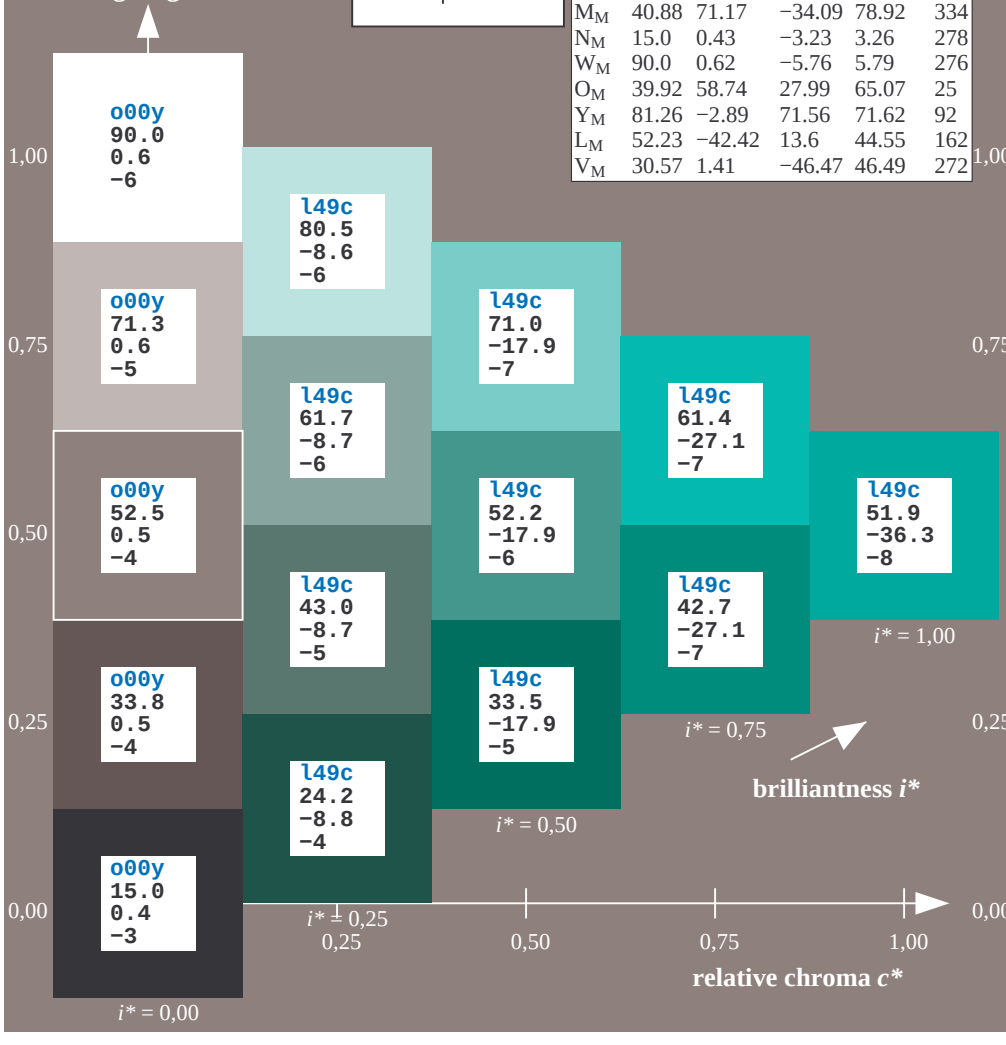
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

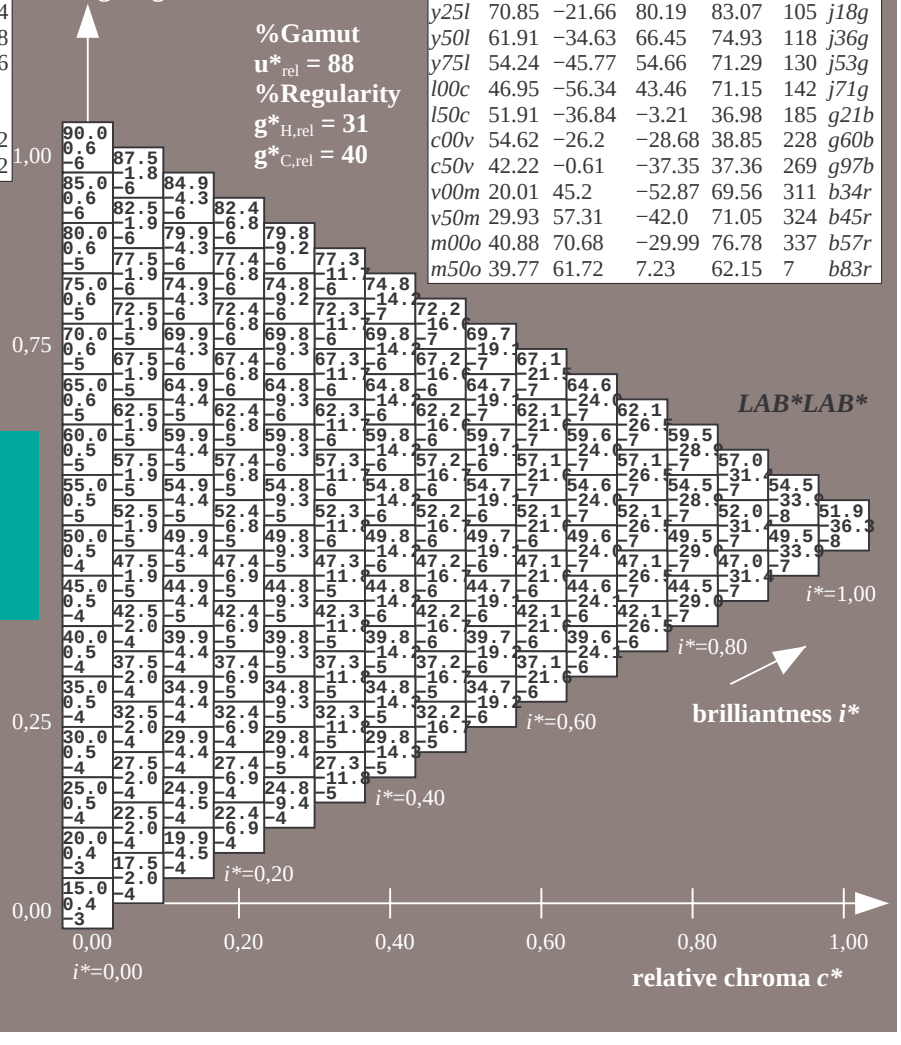
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 52 −37 −3
$LAB^*LCH^*_{Ma}$: 52 37 184
$lab^*olv^*_{Ma}$: 0.0 1.0 0.5
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

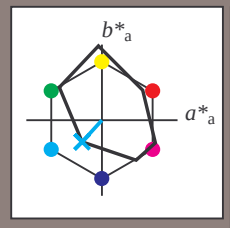
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

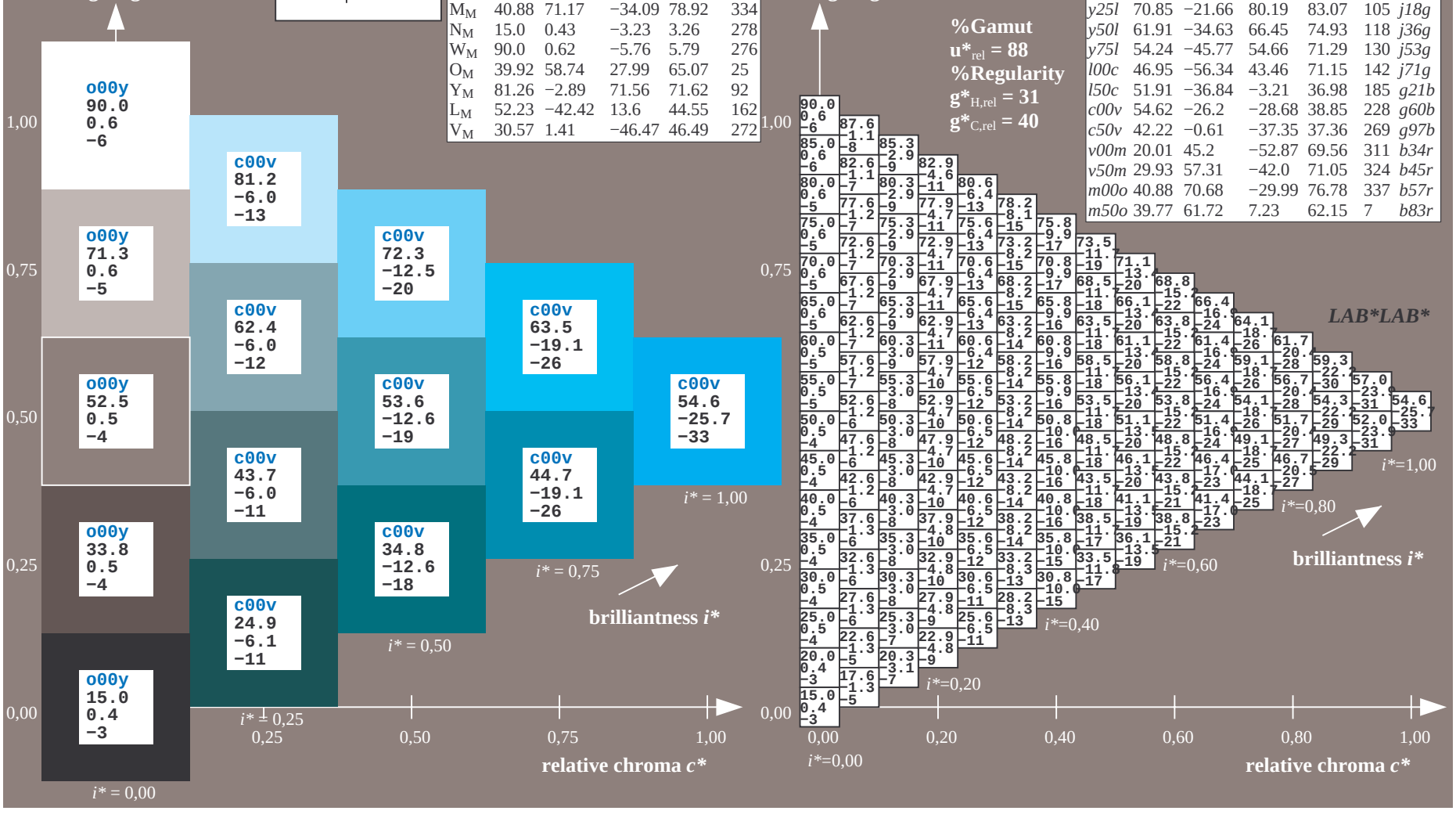
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 55 −26 −29
LAB*LCH*$_{Ma}$: 55 39 227
lab*olv*$_{Ma}$: 0.0 1.0 1.0
lab*rgb*$_{Ma}$: 0.0 0.81 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
LAB*LAB*

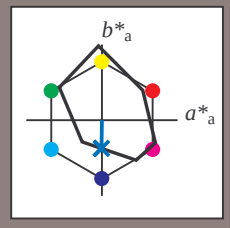
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

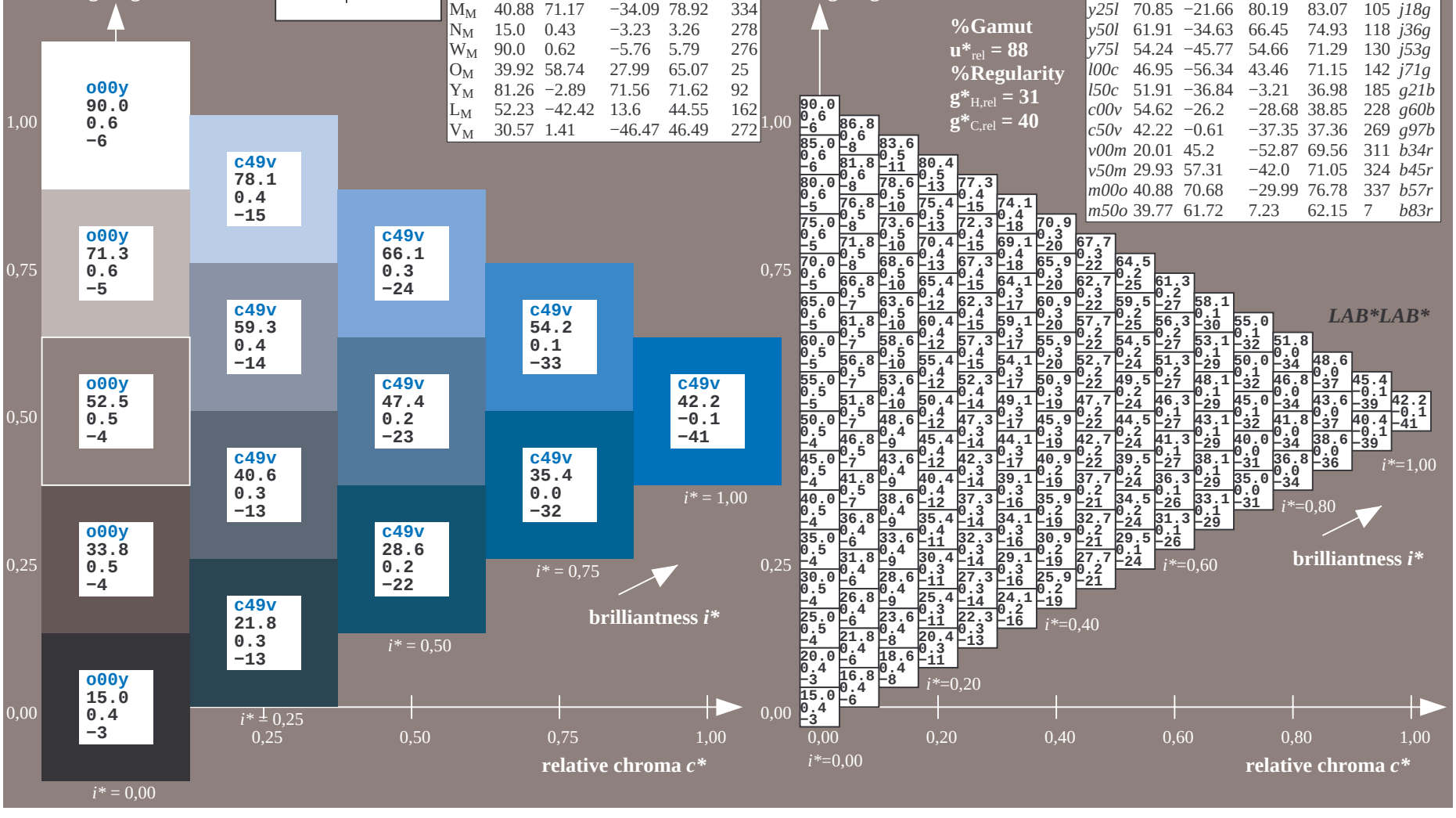
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 42 −1 −37
LAB*LCH*$_{Ma}$: 42 37 269
lab*olv*$_{Ma}$: 0.0 0.5 1.0
lab*rgb*$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
LAB*LAB*

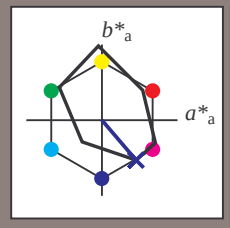
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

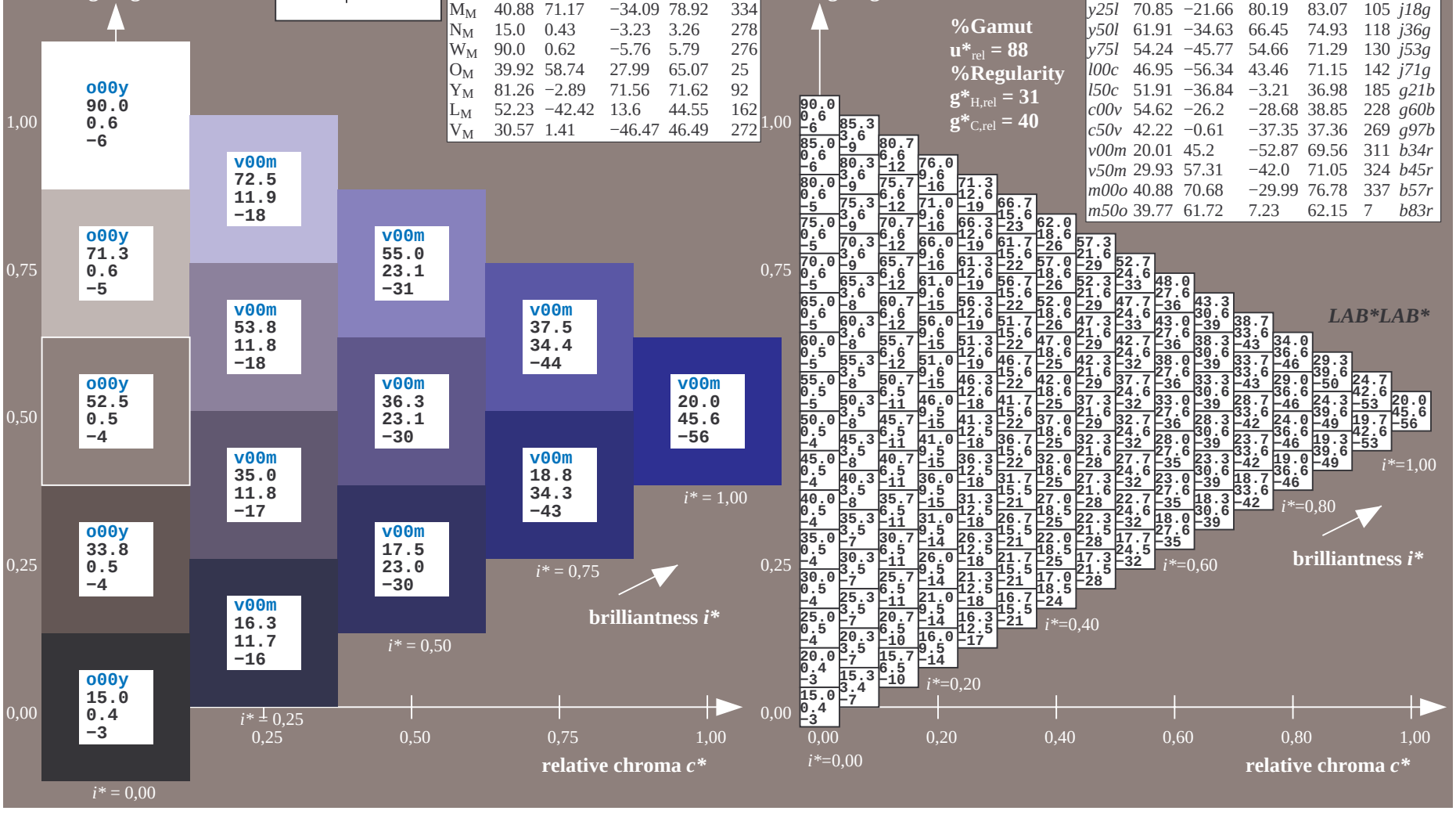
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 20 45 −53
*LAB*LCH**$_{Ma}$: 20 70 310
*lab*olv**$_{Ma}$: 0.0 0.0 1.0
*lab*rgb**$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
*LAB*LAB**

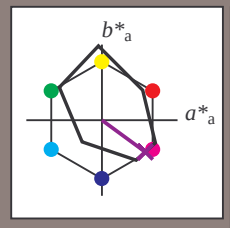
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

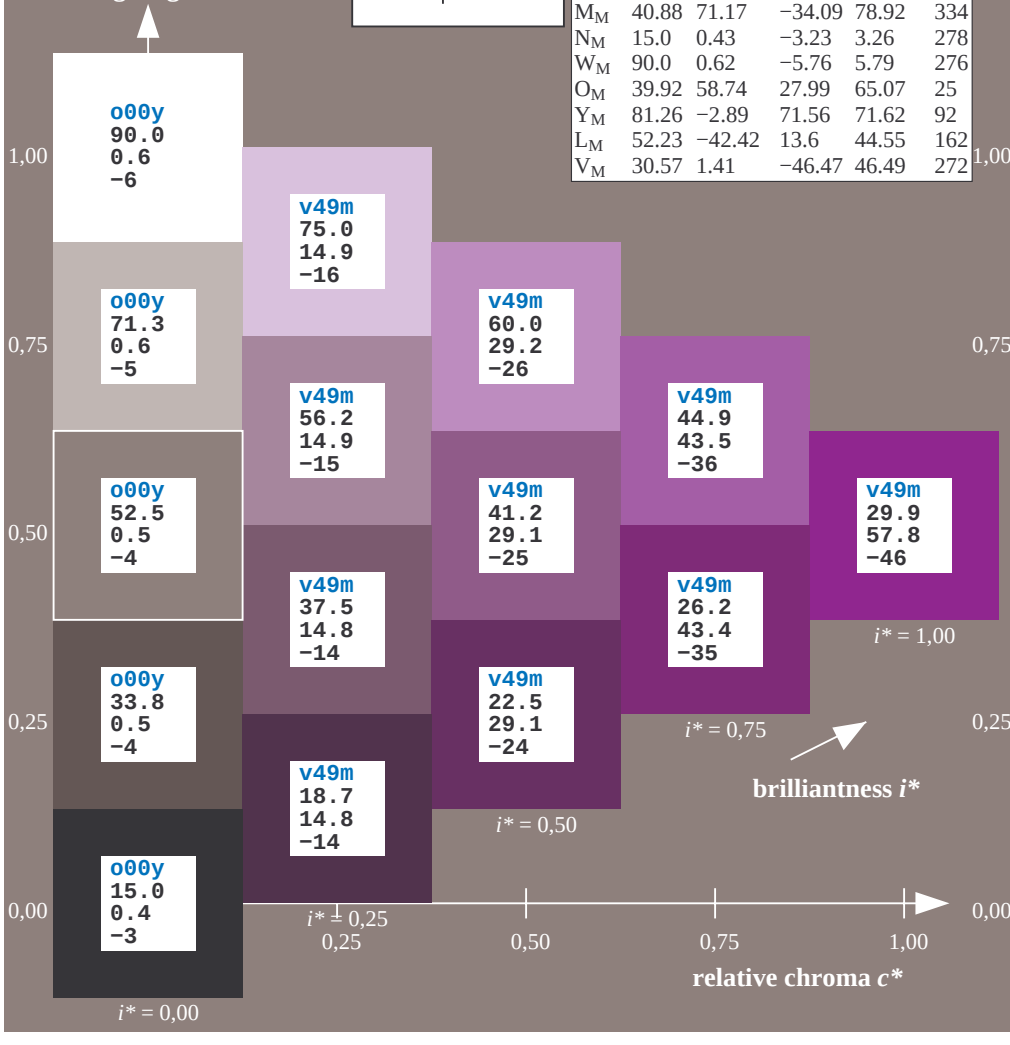
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

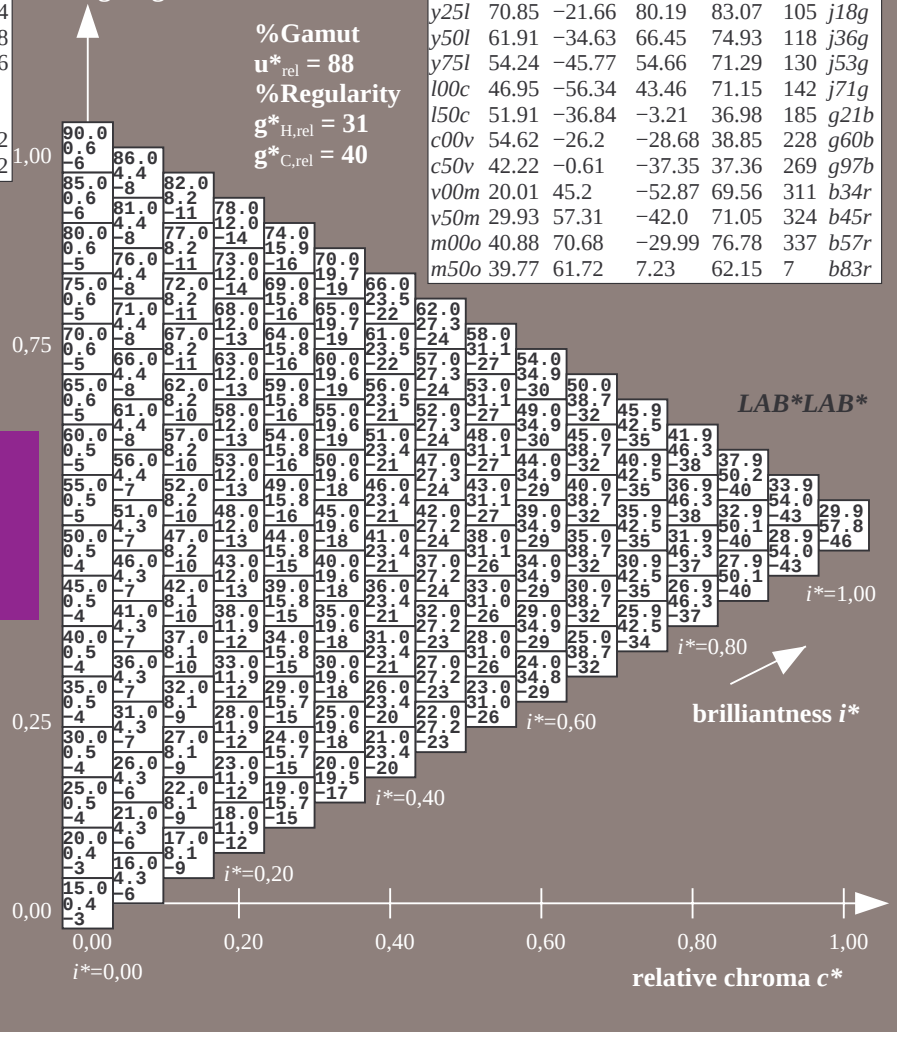
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 30 57 −42
*LAB*LCH**$_{Ma}$: 30 71 323
*lab*olv**$_{Ma}$: 0.5 0.0 1.0
*lab*rgb**$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

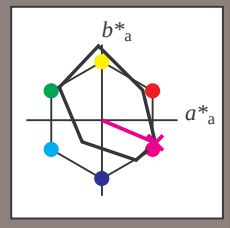
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





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

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
$c_R = 0.9$
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

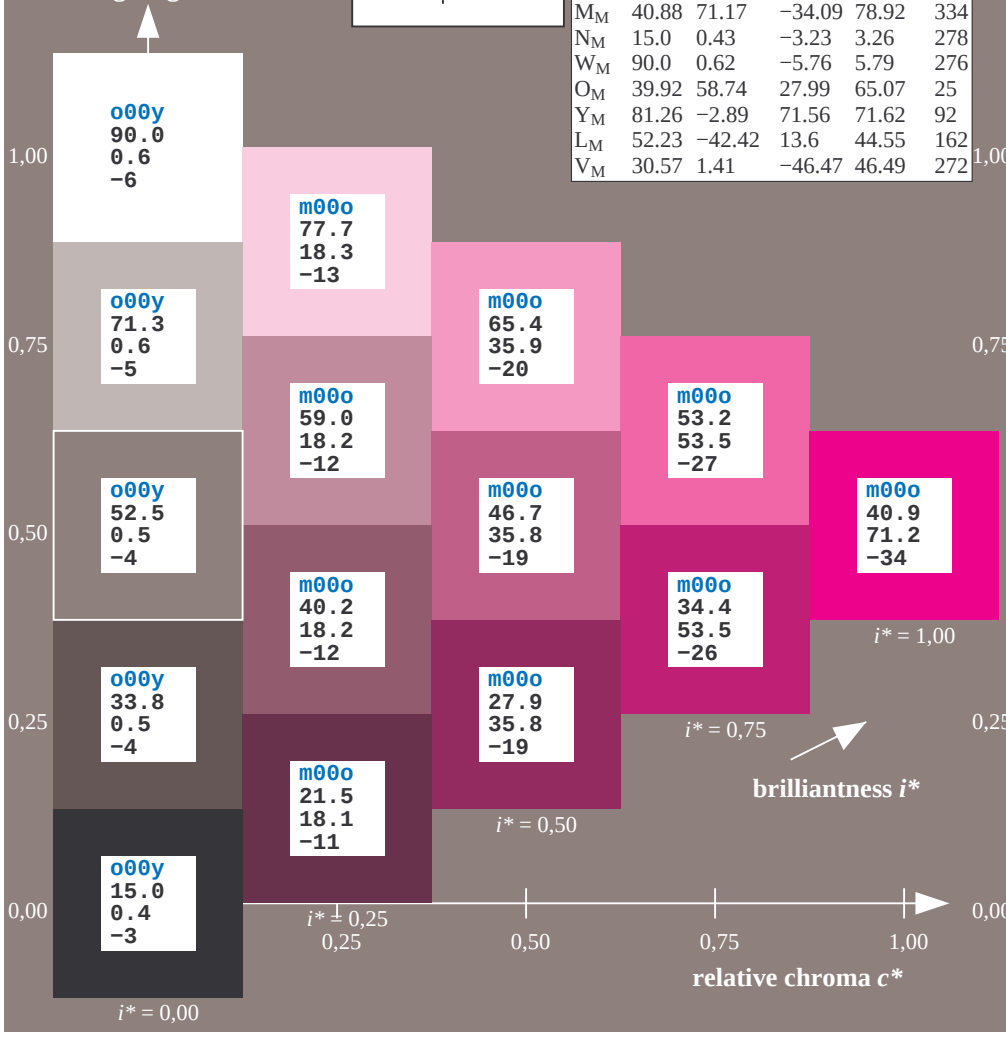
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 41 71 −30
LAB*LCH*$_{Ma}$: 41 77 337
lab*olv*$_{Ma}$: 1.0 0.0 1.0
lab*rgb*$_{Ma}$: 1.0 0.0 0.85
triangle lightness *t**

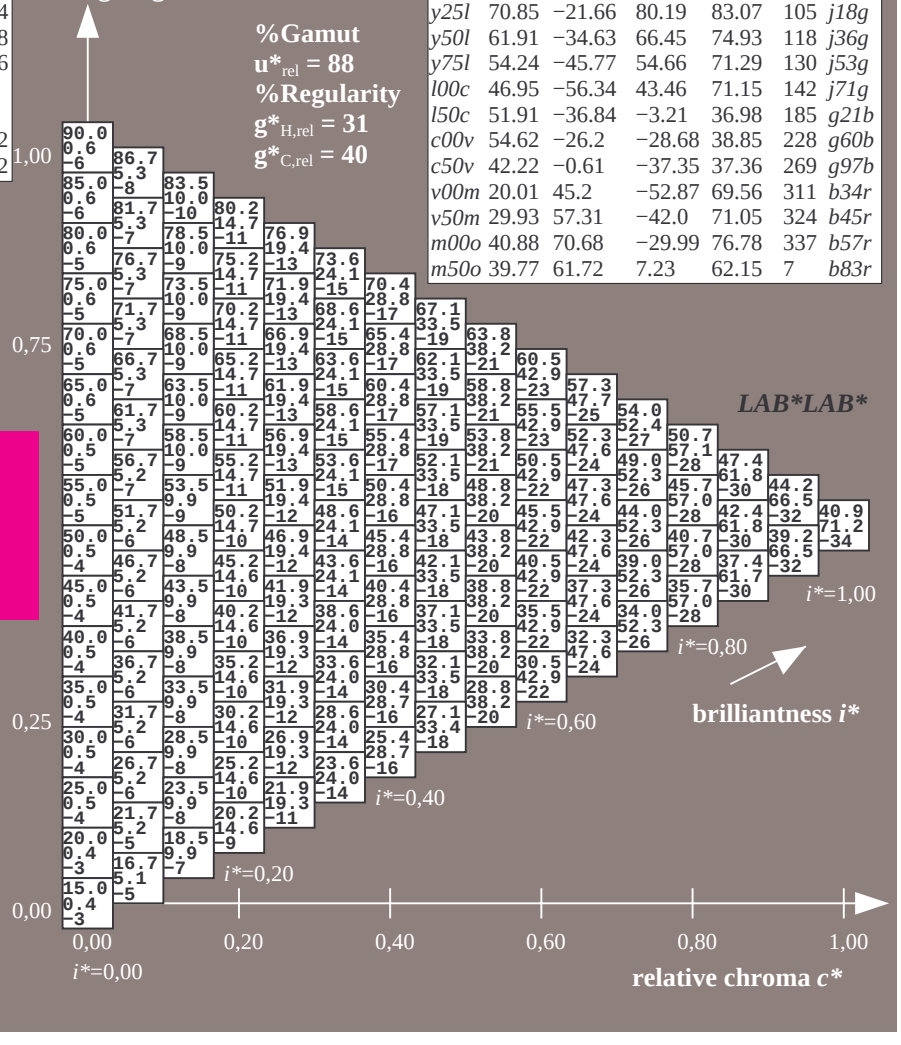
%Gamut
$u^*_{rel} = 88$
%Regularity
$g^*_{H,rel} = 31$
$g^*_{C,rel} = 40$

u*d = m00o
LAB*LAB*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

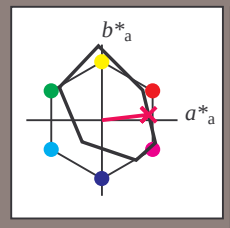




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92M; CIELAB data

u^*_d	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

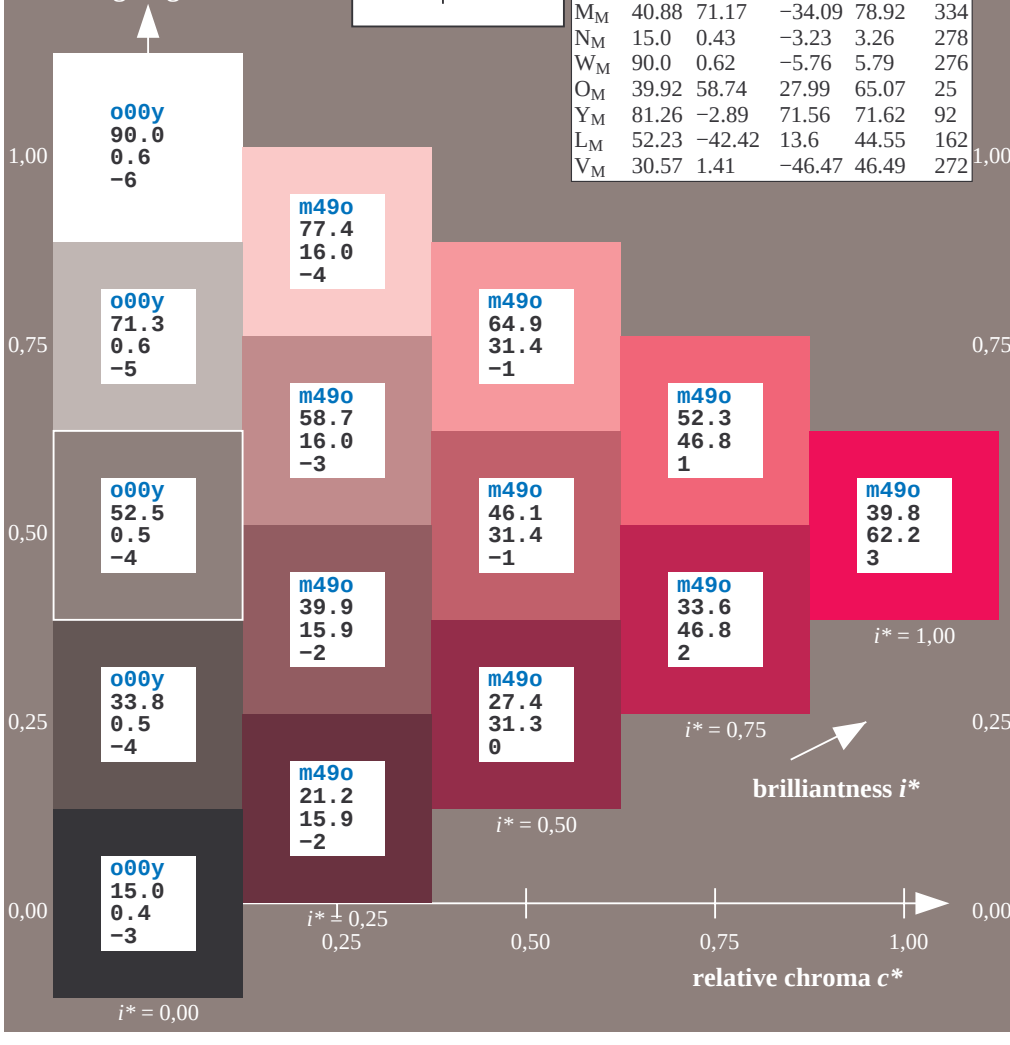
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 40 62 7
LAB*LCH*$_{Ma}$: 40 62 6
lab*olv*$_{Ma}$: 1.0 0.0 0.5
lab*rgb*$_{Ma}$: 1.0 0.0 0.33
triangle lightness *t**

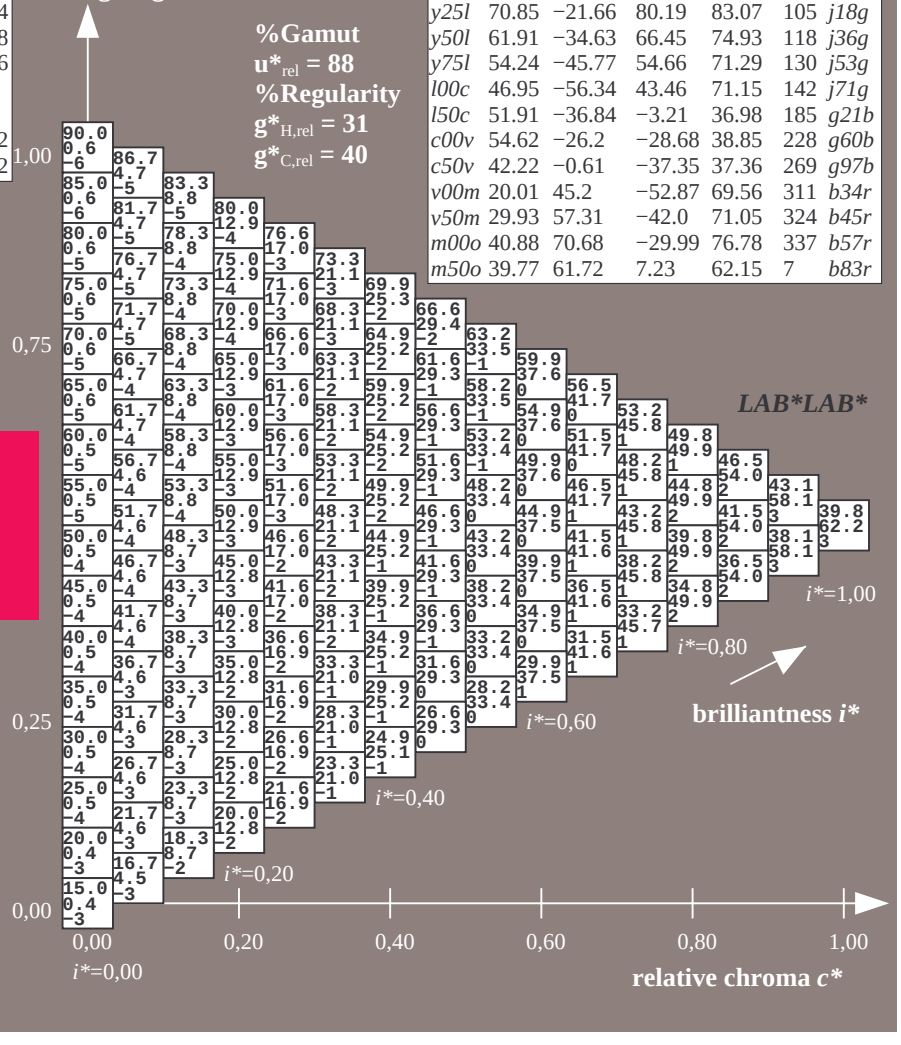
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

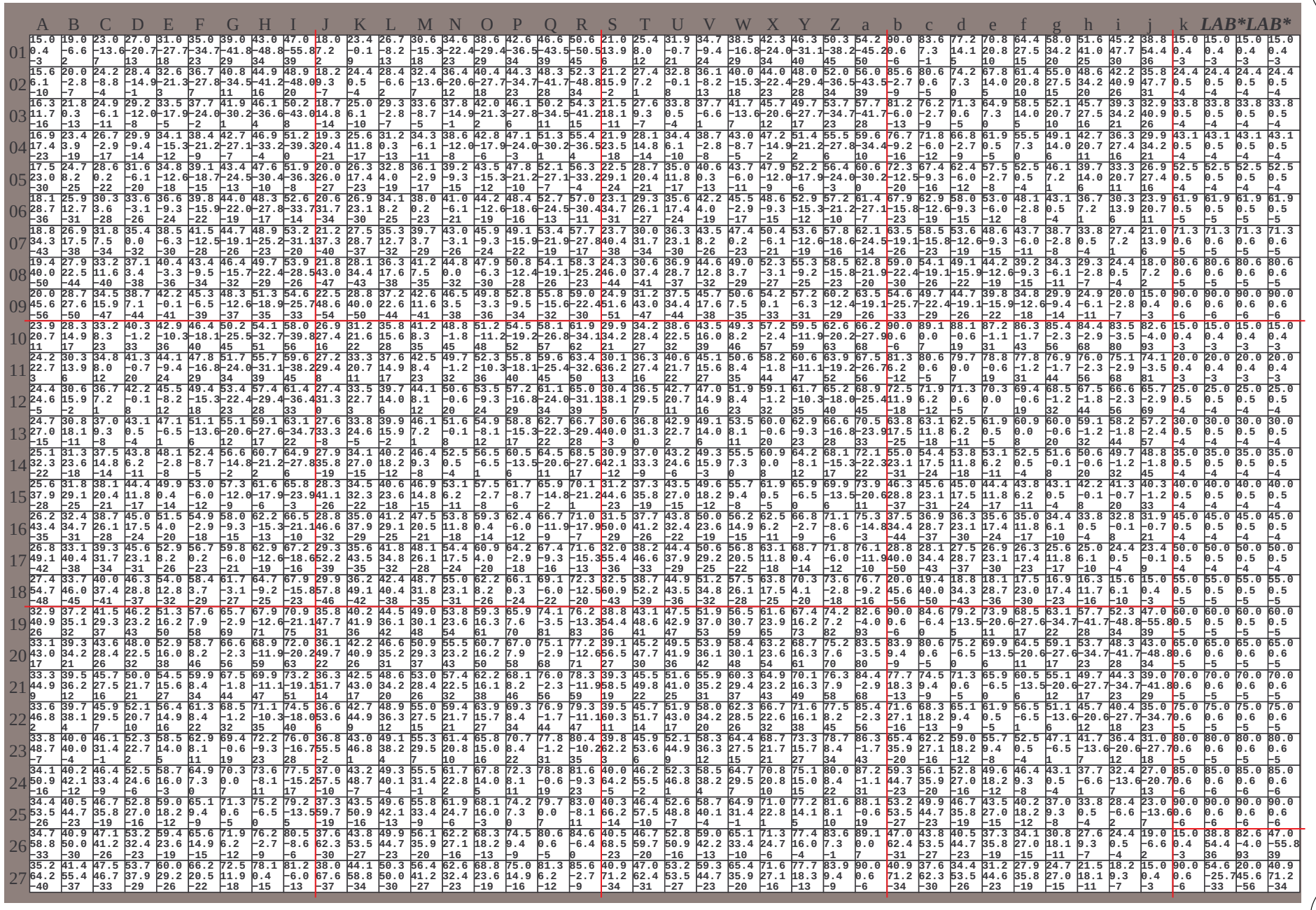
u*d = m50o
LAB*LAB*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	*L*=L**$_a$	*a**$_a$	*b**$_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



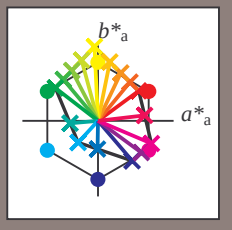




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

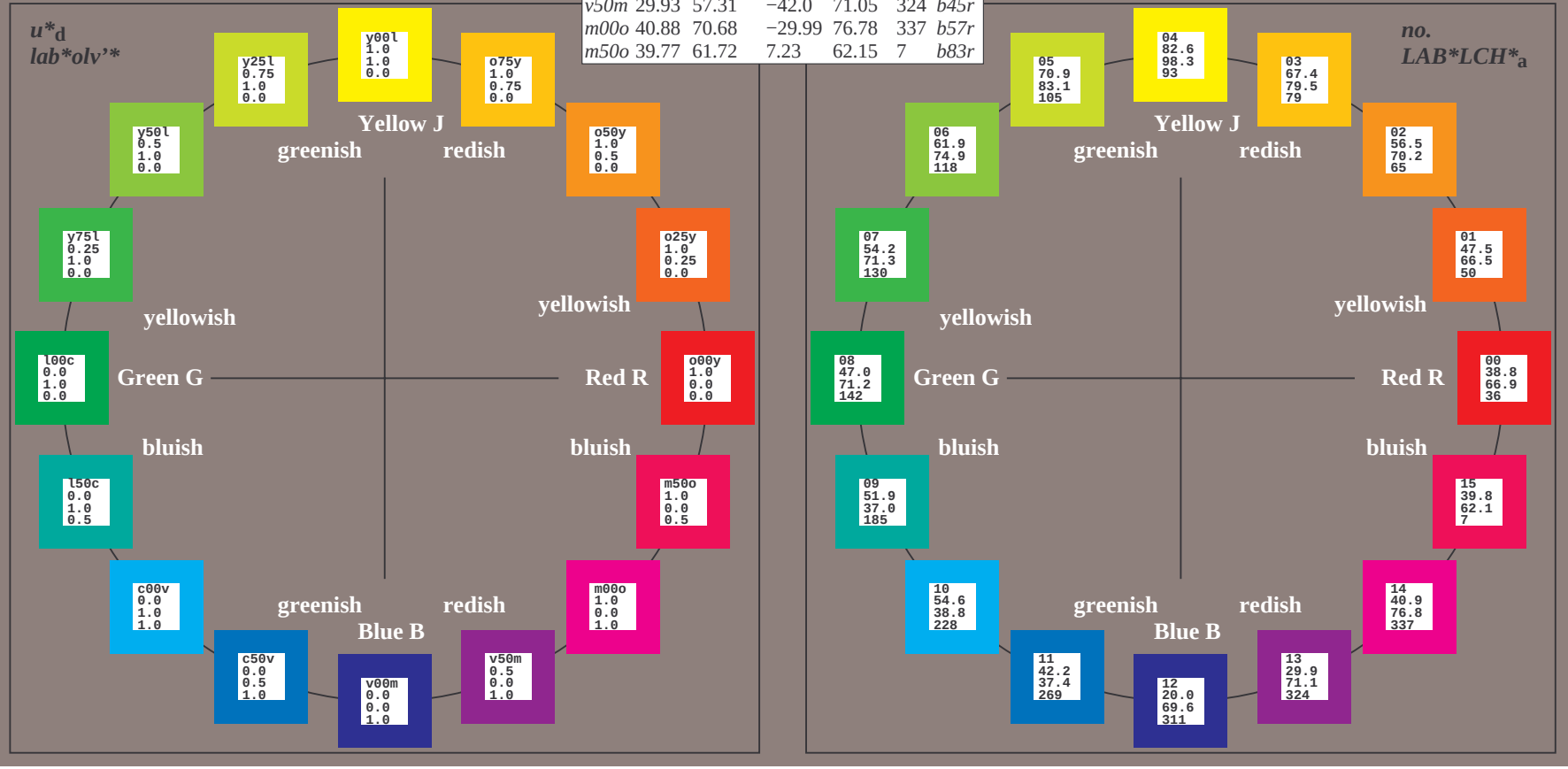
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

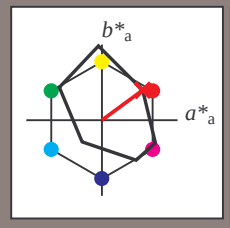
FRS09_92aM; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

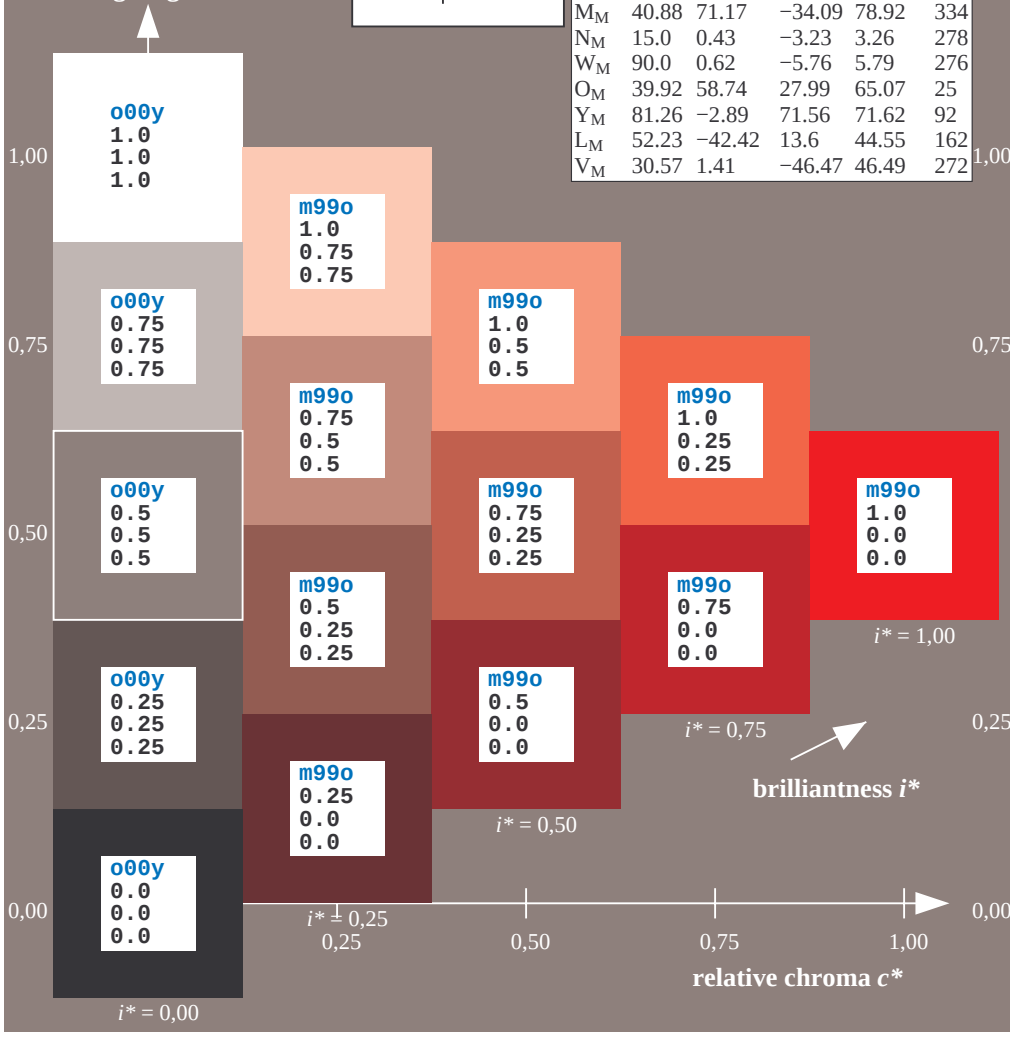
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 39 54 40**
LAB*LCH*$_{Ma}$**: 39 67 36**
lab*olv*$_{Ma}$**: 1.0 0.0 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.16 0.0**
triangle lightness *t**

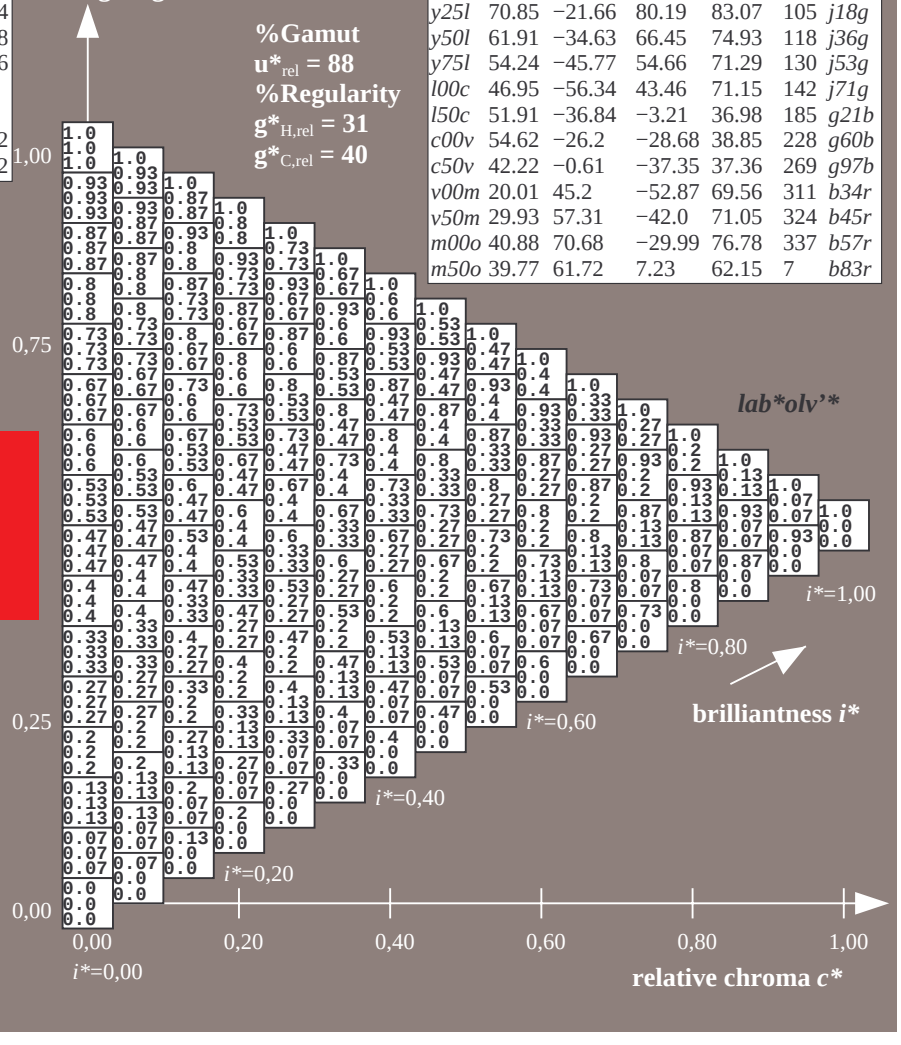
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

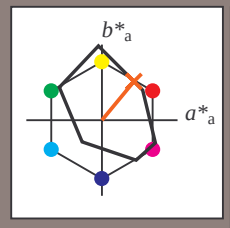




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

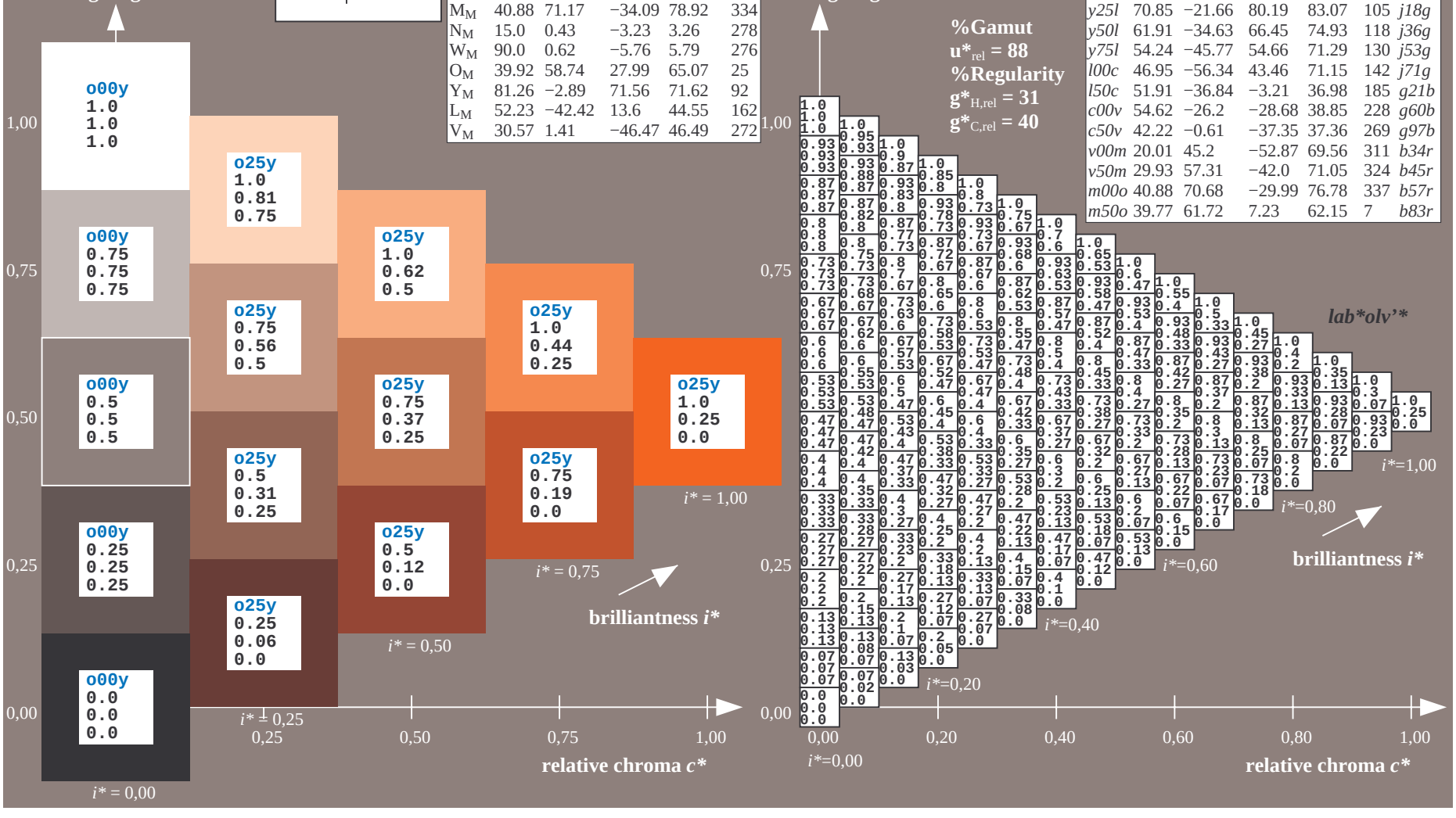
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 47 42 51
LAB*LCH*$_{Ma}$: 47 66 50
lab*olv*$_{Ma}$: 1.0 0.25 0.0
lab*rgb*$_{Ma}$: 1.0 0.37 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
lab*olv'*

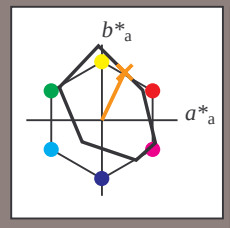
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

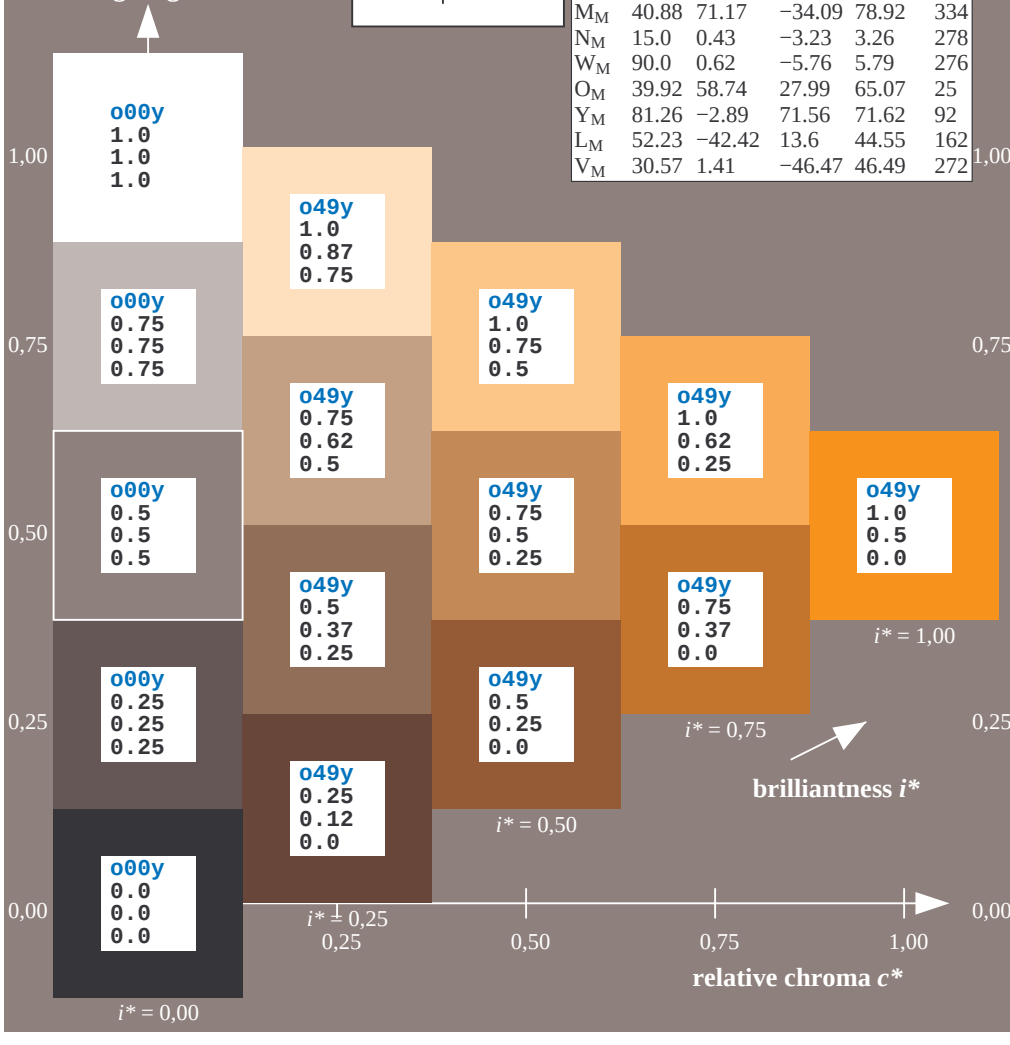
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 30 63**
LAB*LCH*$_{Ma}$**: 57 70 64**
lab*olv*$_{Ma}$**: 1.0 0.5 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.58 0.0**
triangle lightness *t**

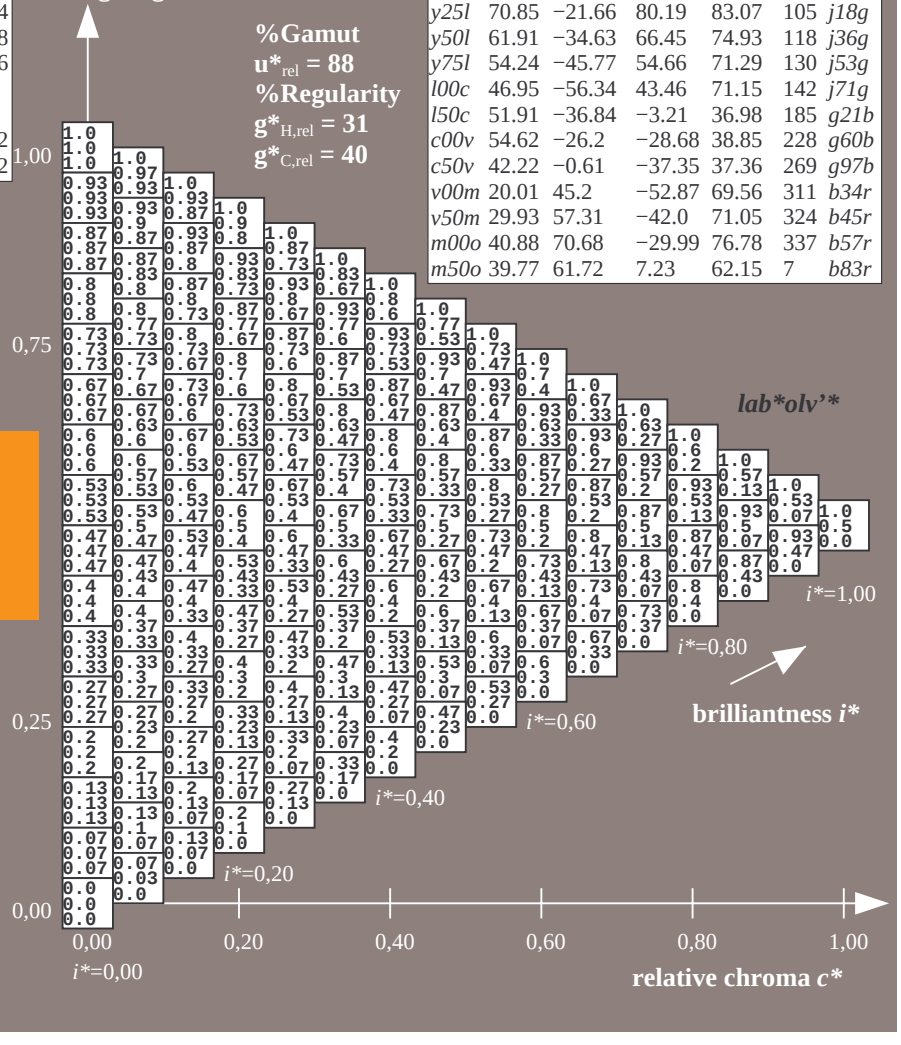
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

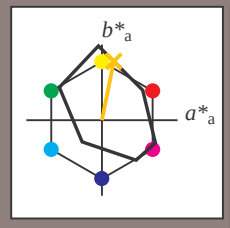
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

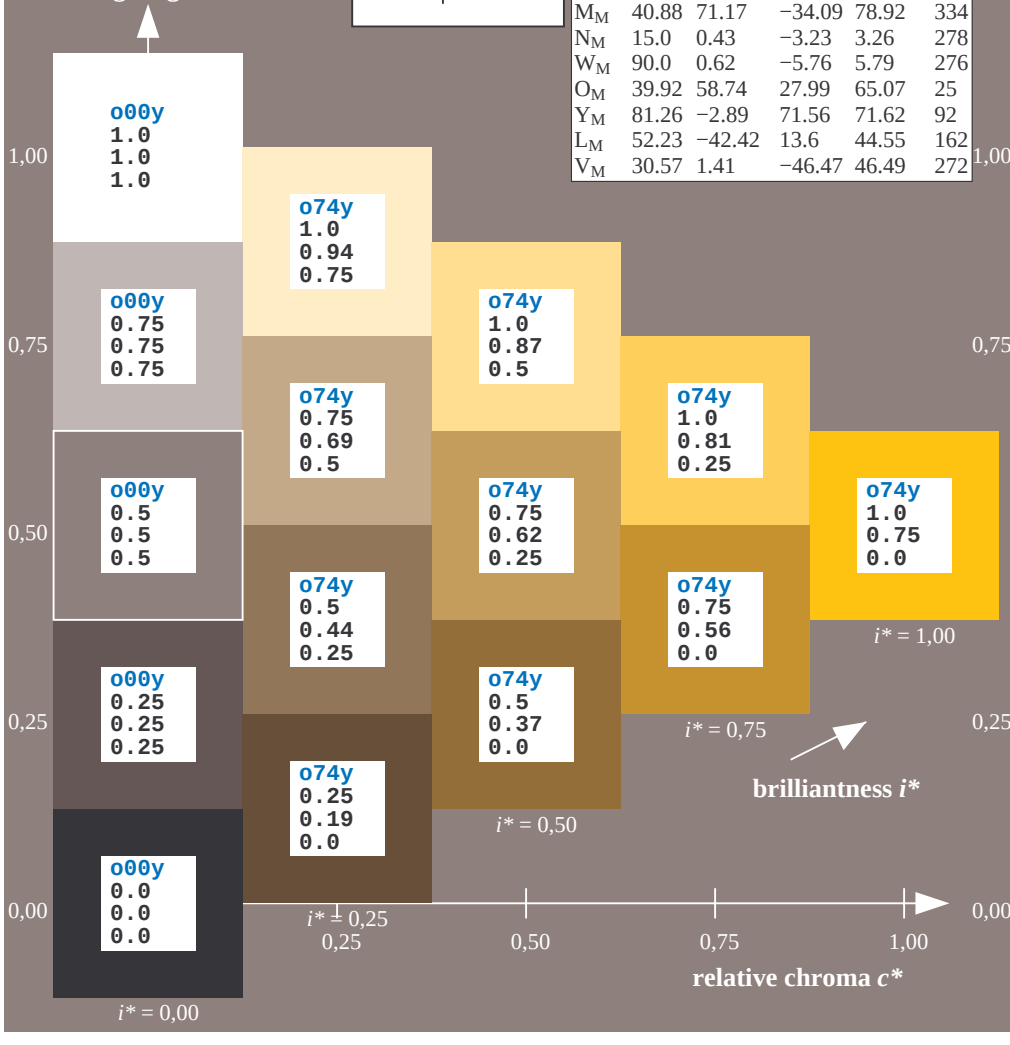
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

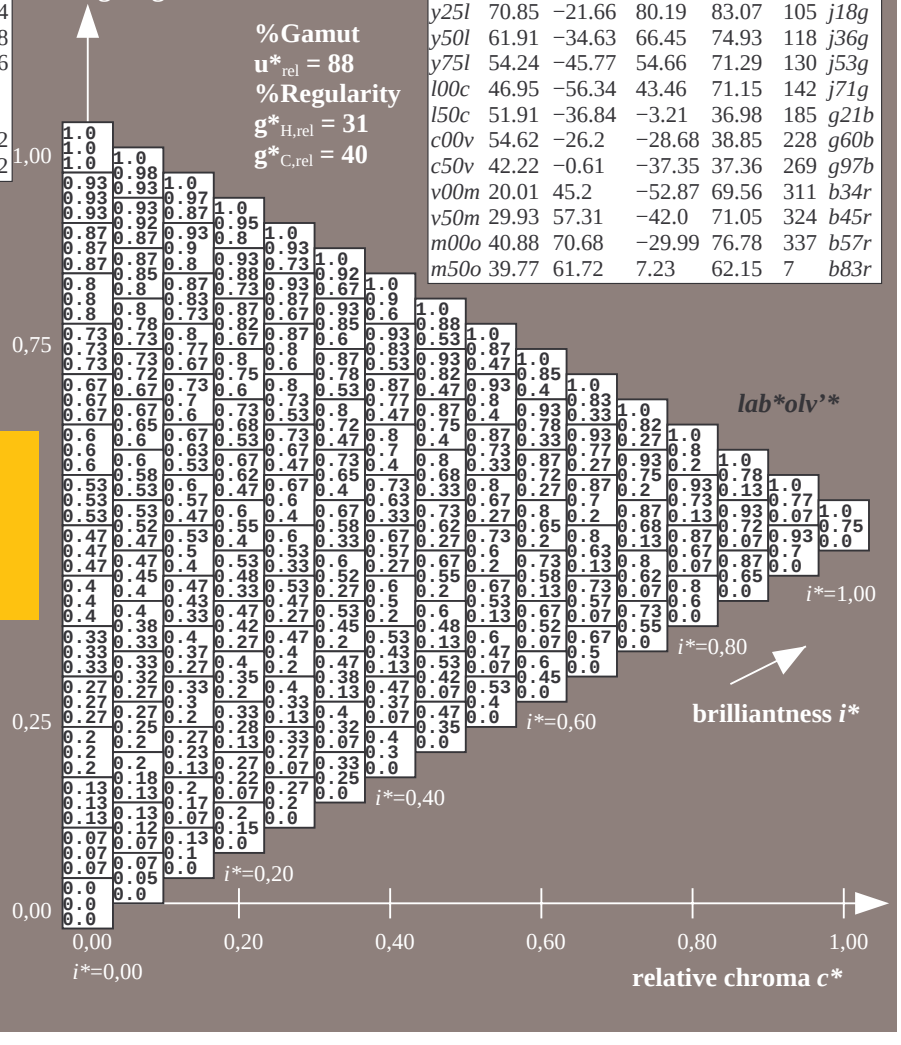
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

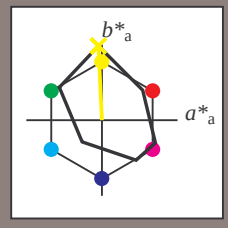
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

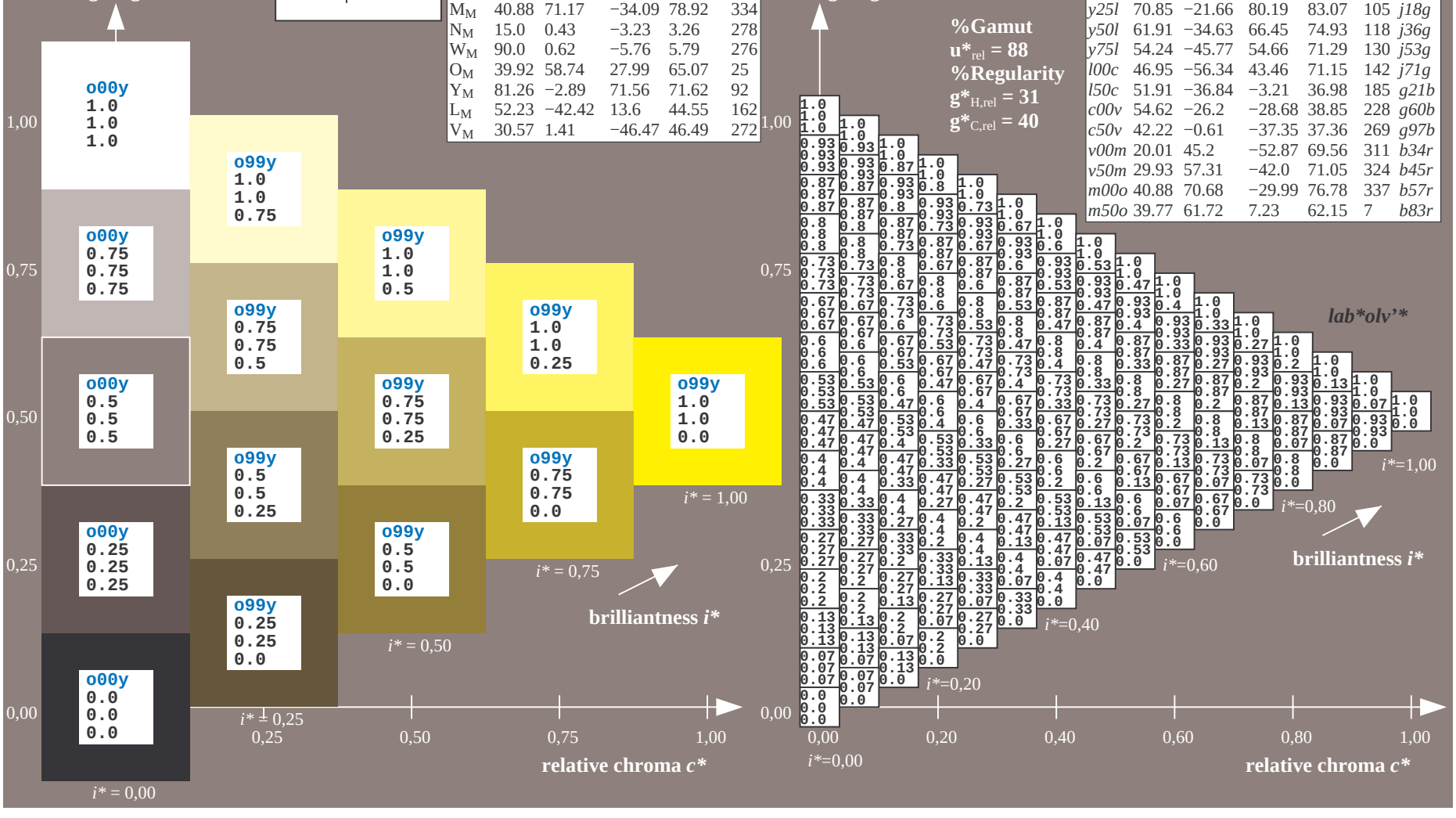
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 83 −5 98
*LAB*LCH**$_{Ma}$: 83 98 92
*lab*olv**$_{Ma}$: 1.0 1.0 0.0
*lab*rgb**$_{Ma}$: 0.99 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

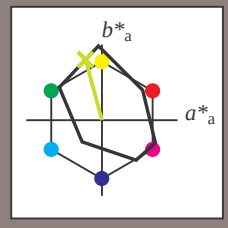
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

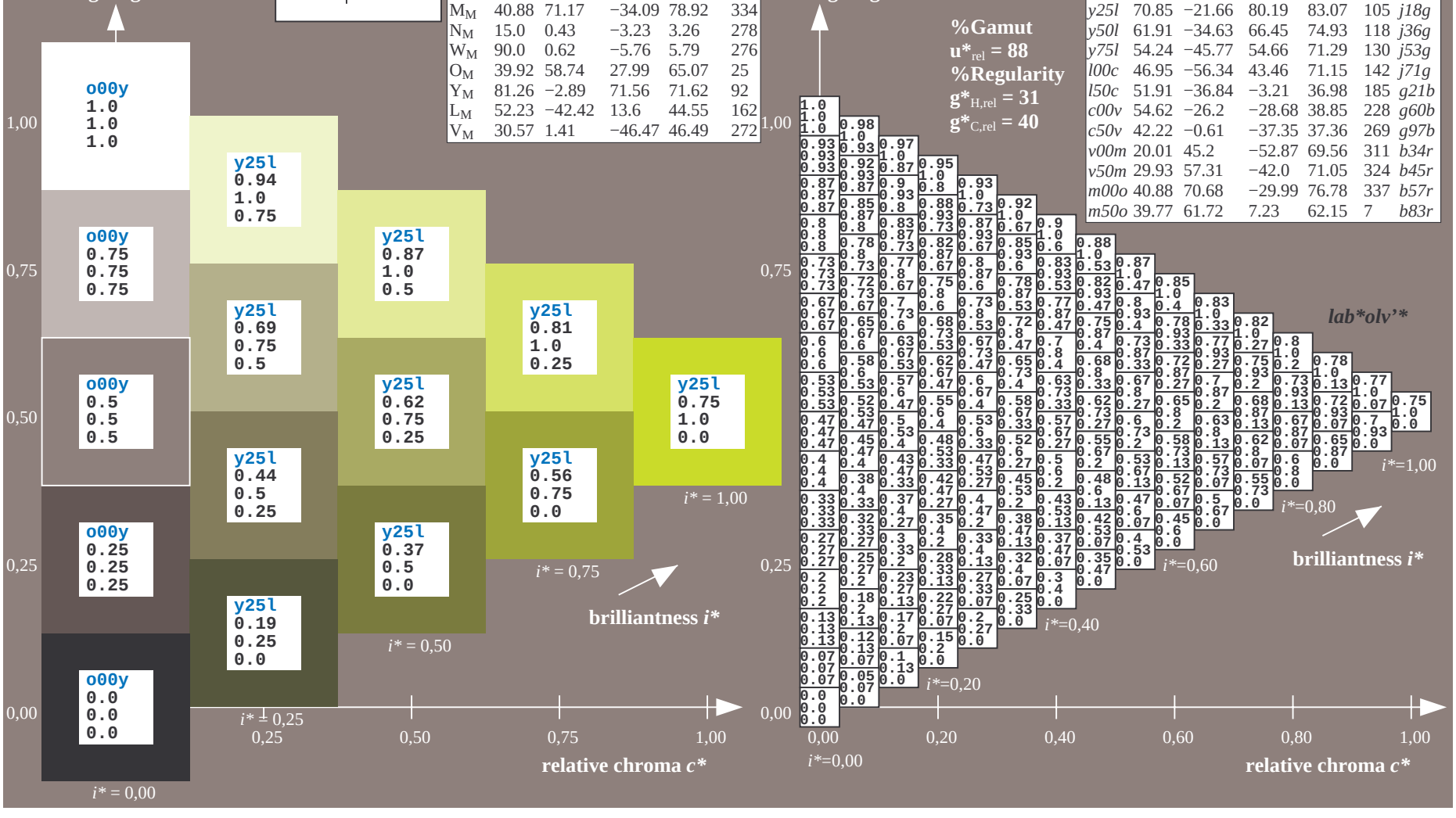
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 71 −22 80
*LAB*LCH**$_{Ma}$: 71 83 105
*lab*olv**$_{Ma}$: 0.75 1.0 0.0
*lab*rgb**$_{Ma}$: 0.82 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y25l*
*lab*olv'**

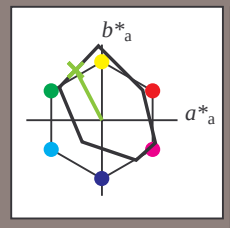
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.326**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y50l* u^*_e = *j36g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

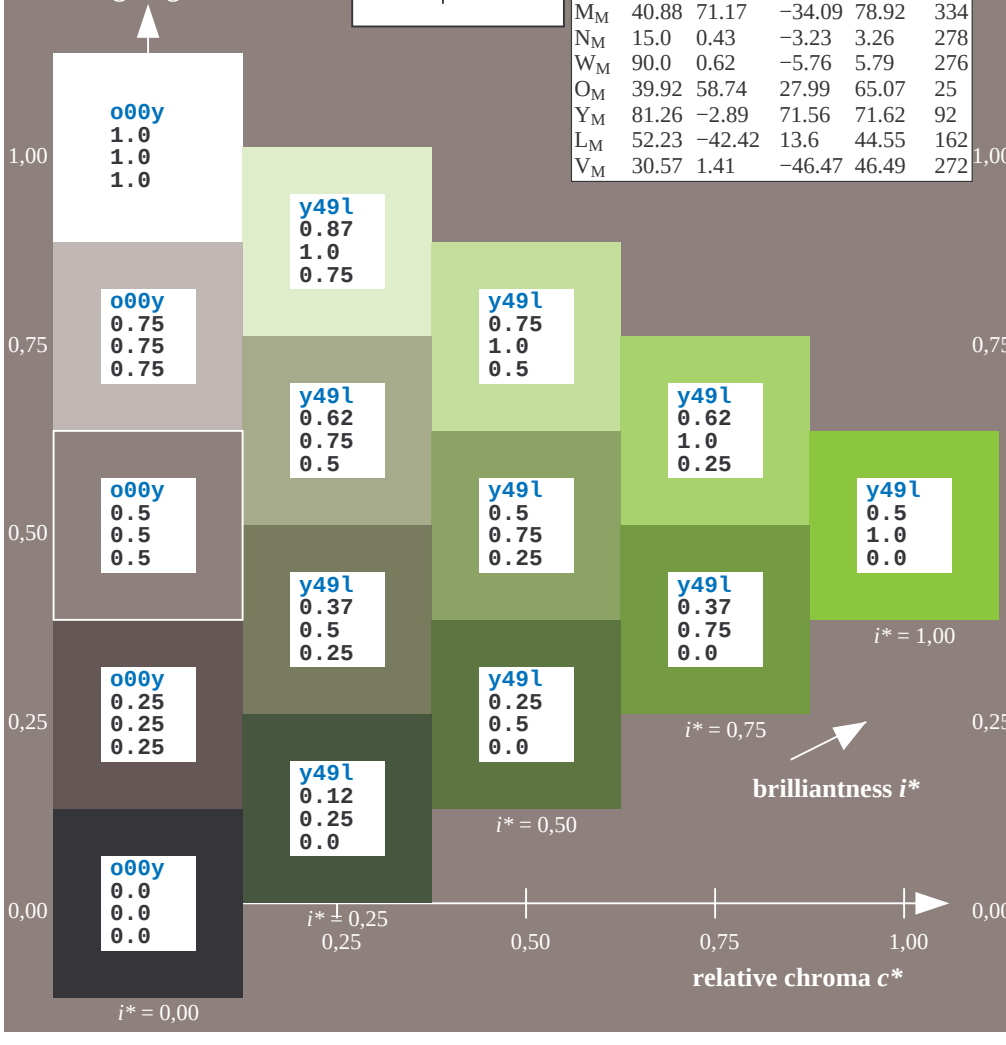
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

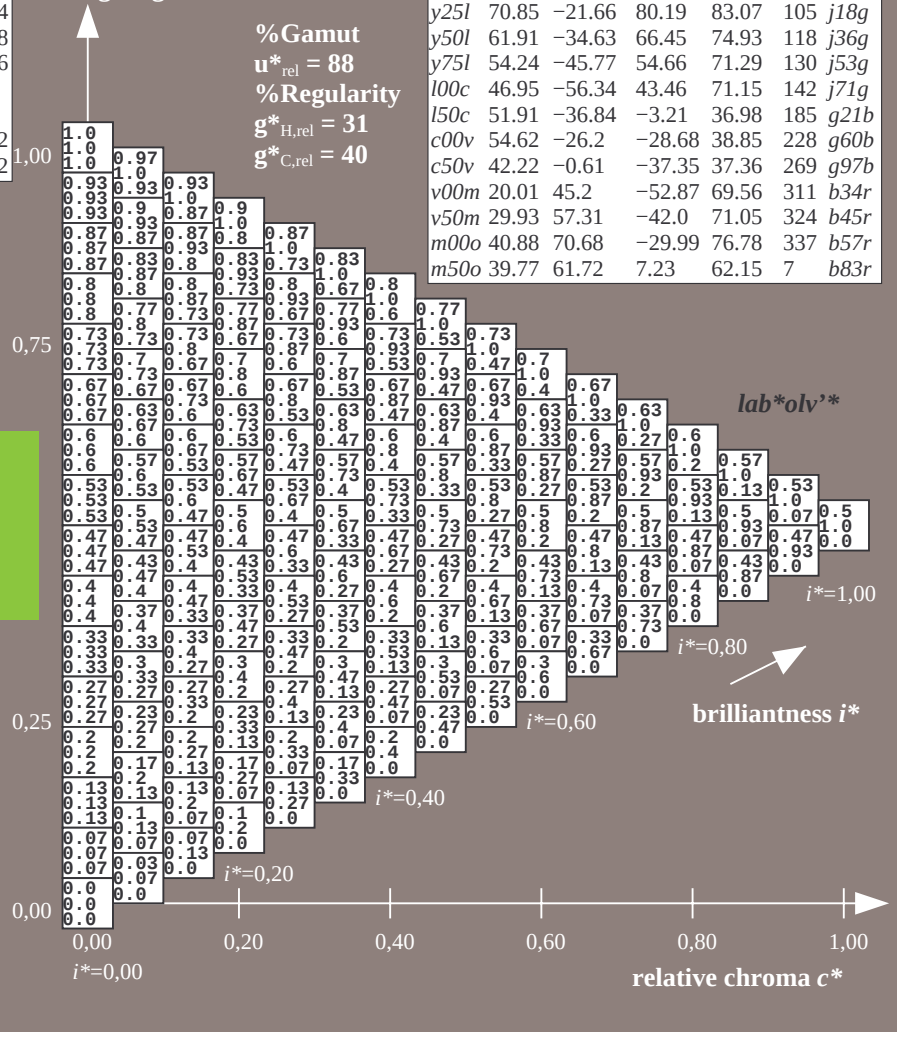
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 62 −35 66
LAB*LCH*$_{Ma}$: 62 75 117
lab*olv*$_{Ma}$: 0.5 1.0 0.0
lab*rgb*$_{Ma}$: 0.64 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

FRS09_92aM; adapted (a) CIELAB data

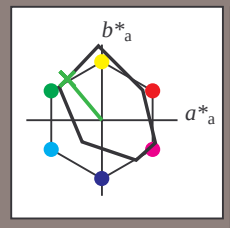
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

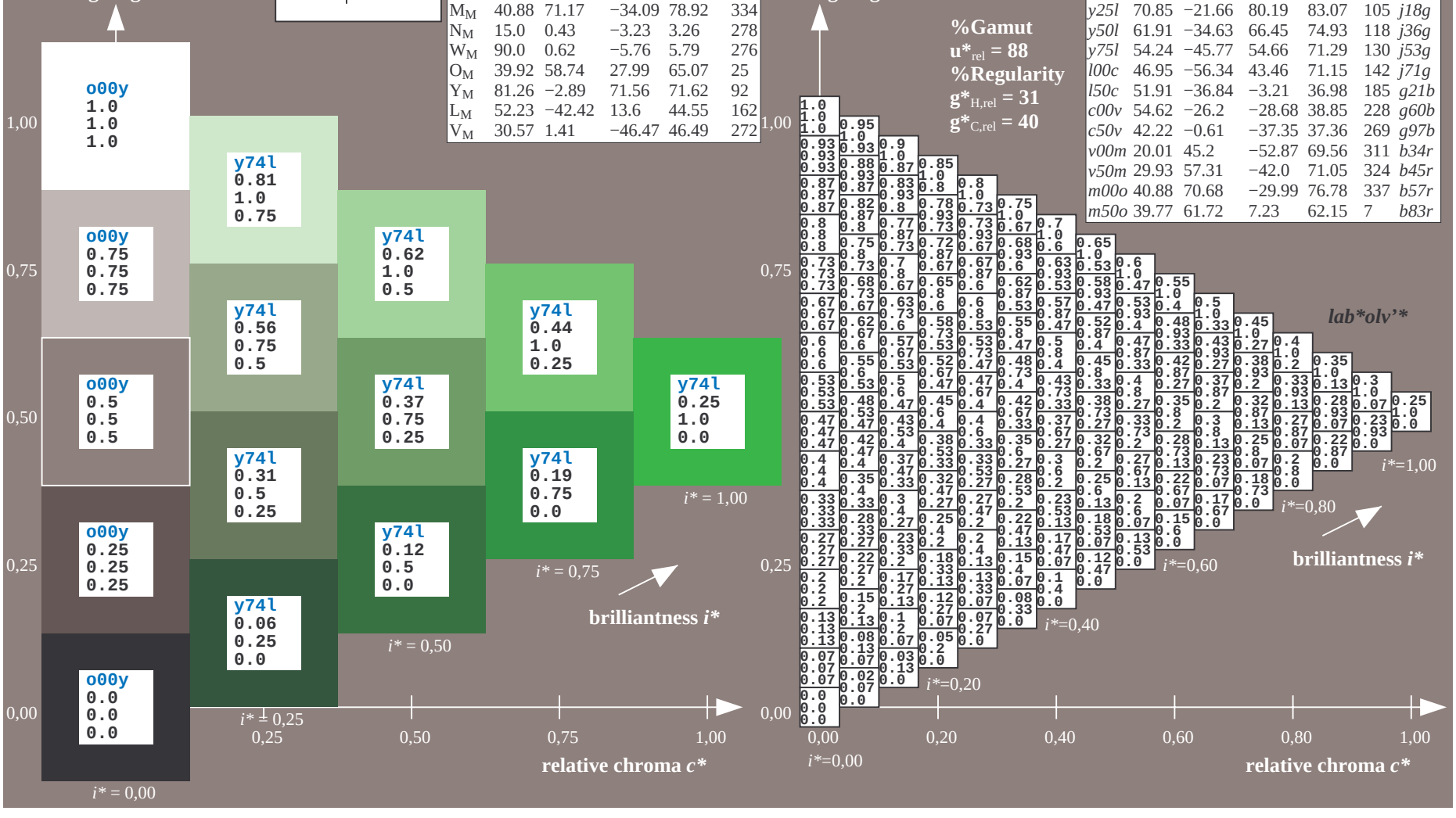
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 −46 55
*LAB*LCH**$_{Ma}$: 54 71 129
*lab*olv**$_{Ma}$: 0.25 1.0 0.0
*lab*rgb**$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
*lab*olv'**

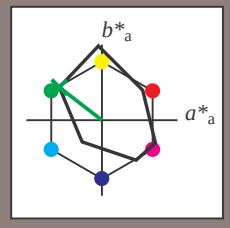
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

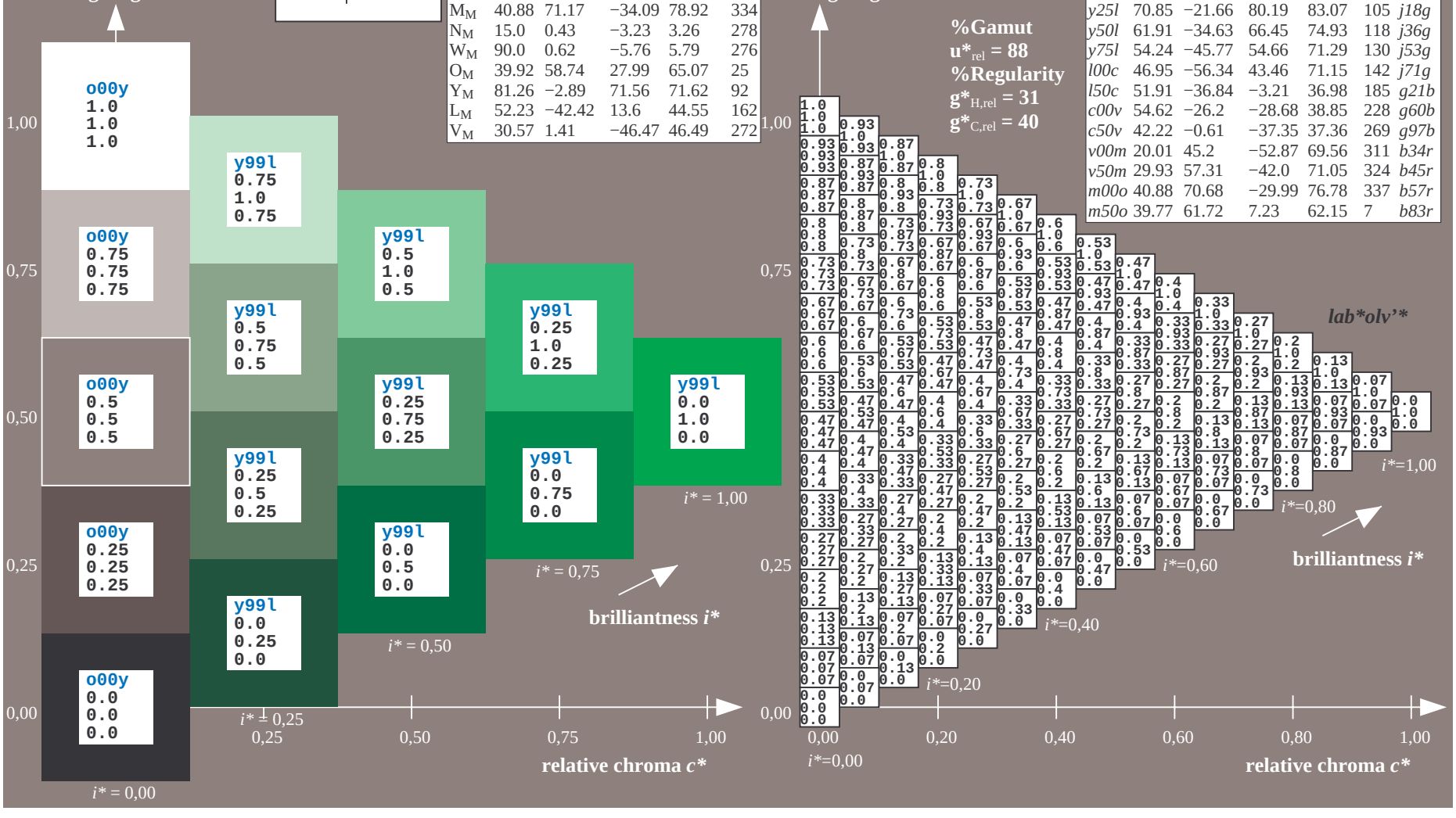
u^*_d	*L**=*L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −56 43**
LAB*LCH*$_{Ma}$**: 47 71 142**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.28 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

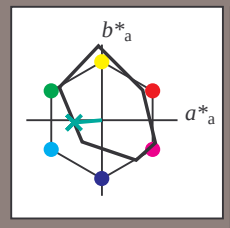
FRS09_92aM; adapted (a) CIELAB data

u^*_d	*L**=L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l50c* u^*_e = *g21b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

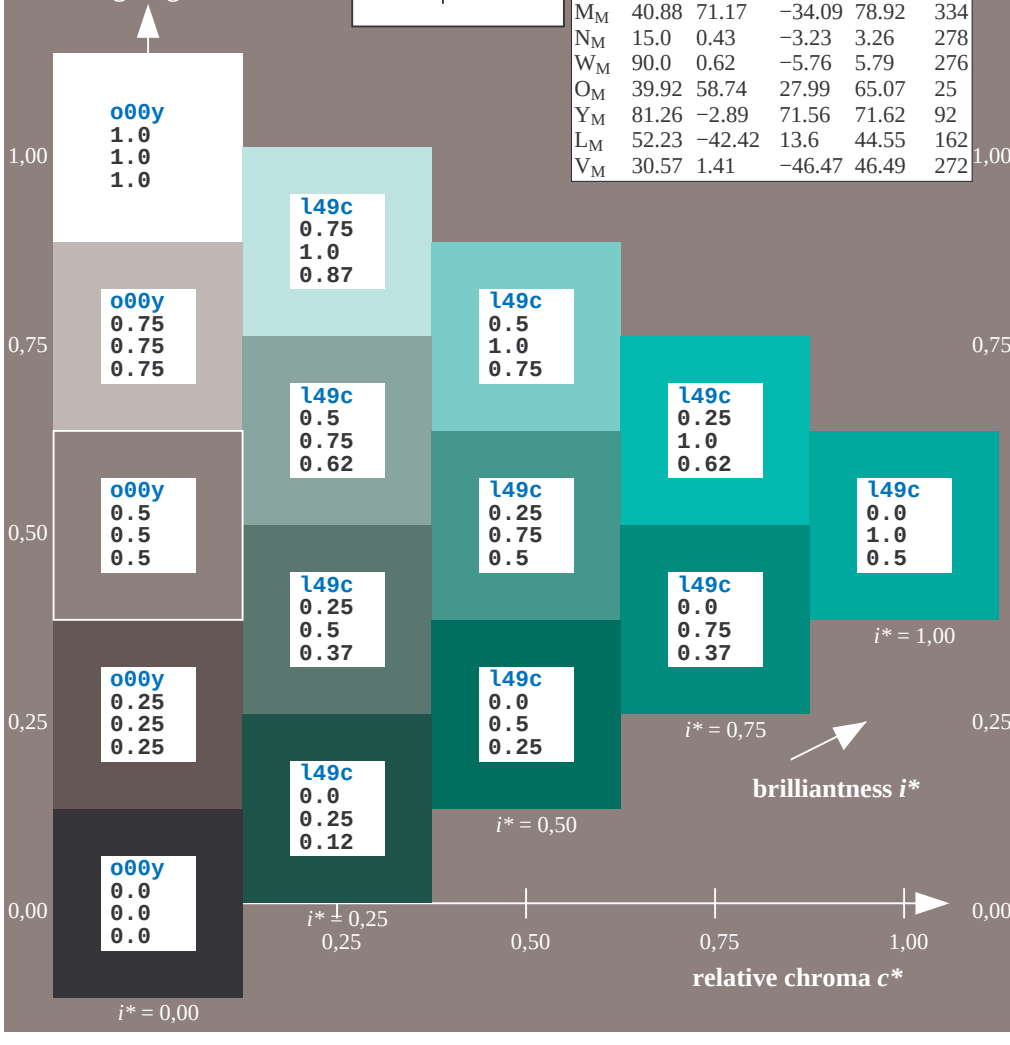
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

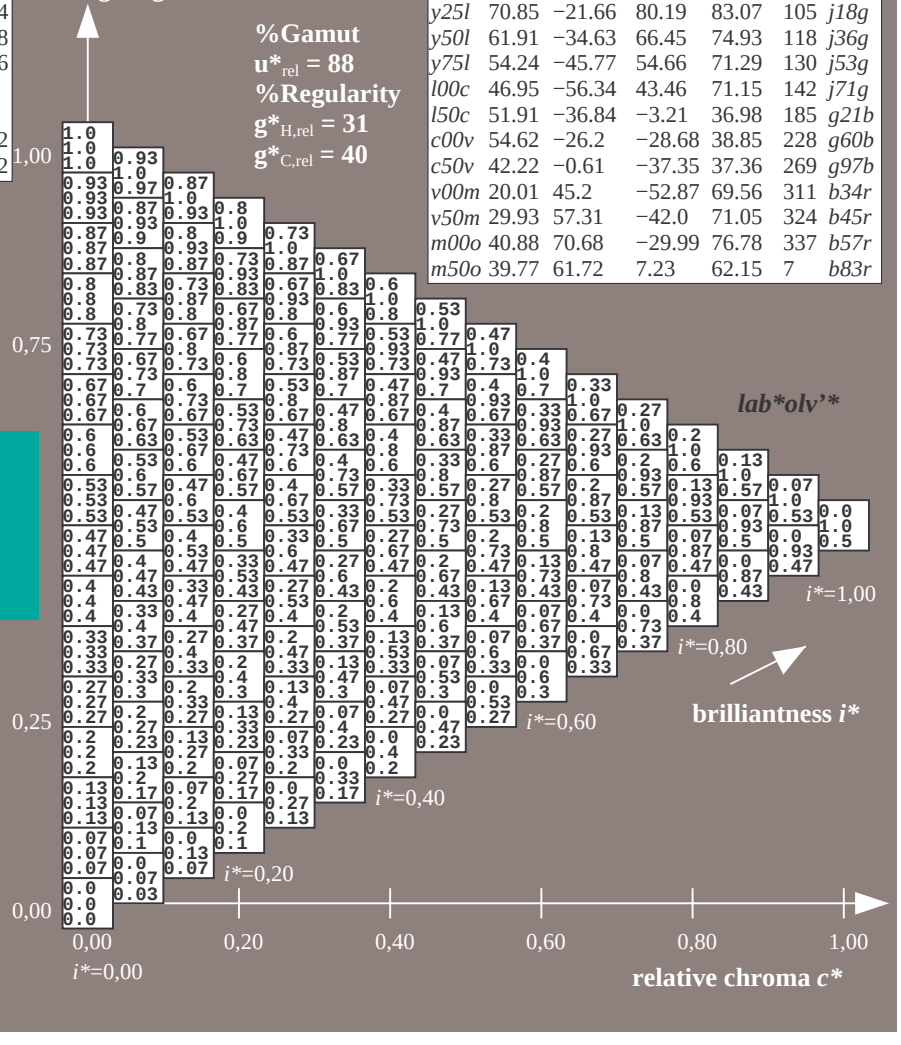
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l50c*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

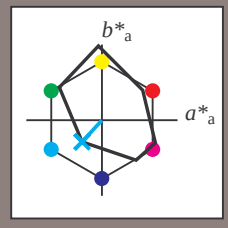
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

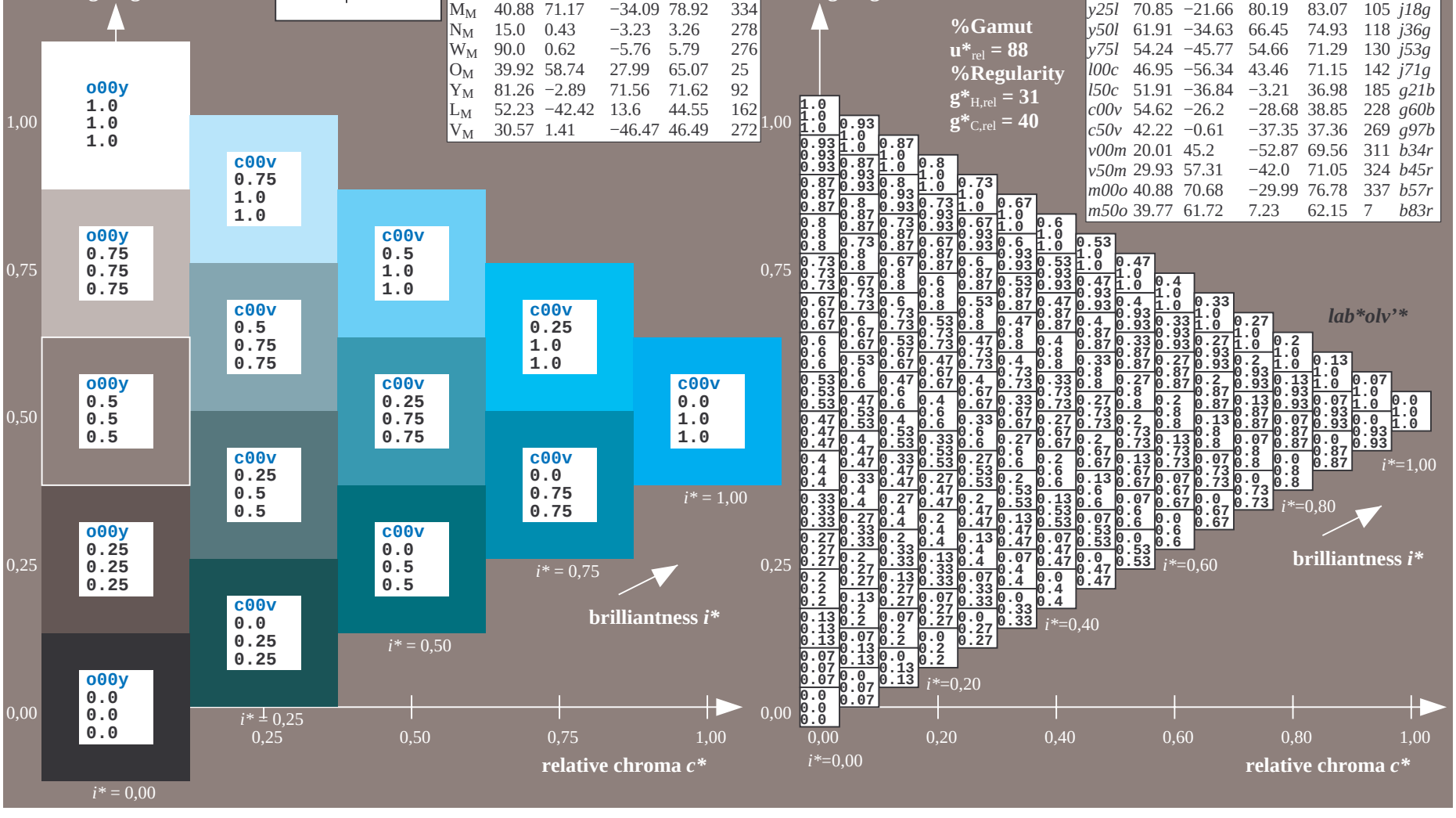
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −26 −29**
LAB*LCH*$_{Ma}$**: 55 39 227**
lab*olv*$_{Ma}$**: 0.0 1.0 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.81 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

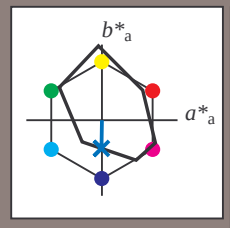
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.747**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

*u**d	*L**=*L**	*a**	*b**	*C**ab	*h**ab
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

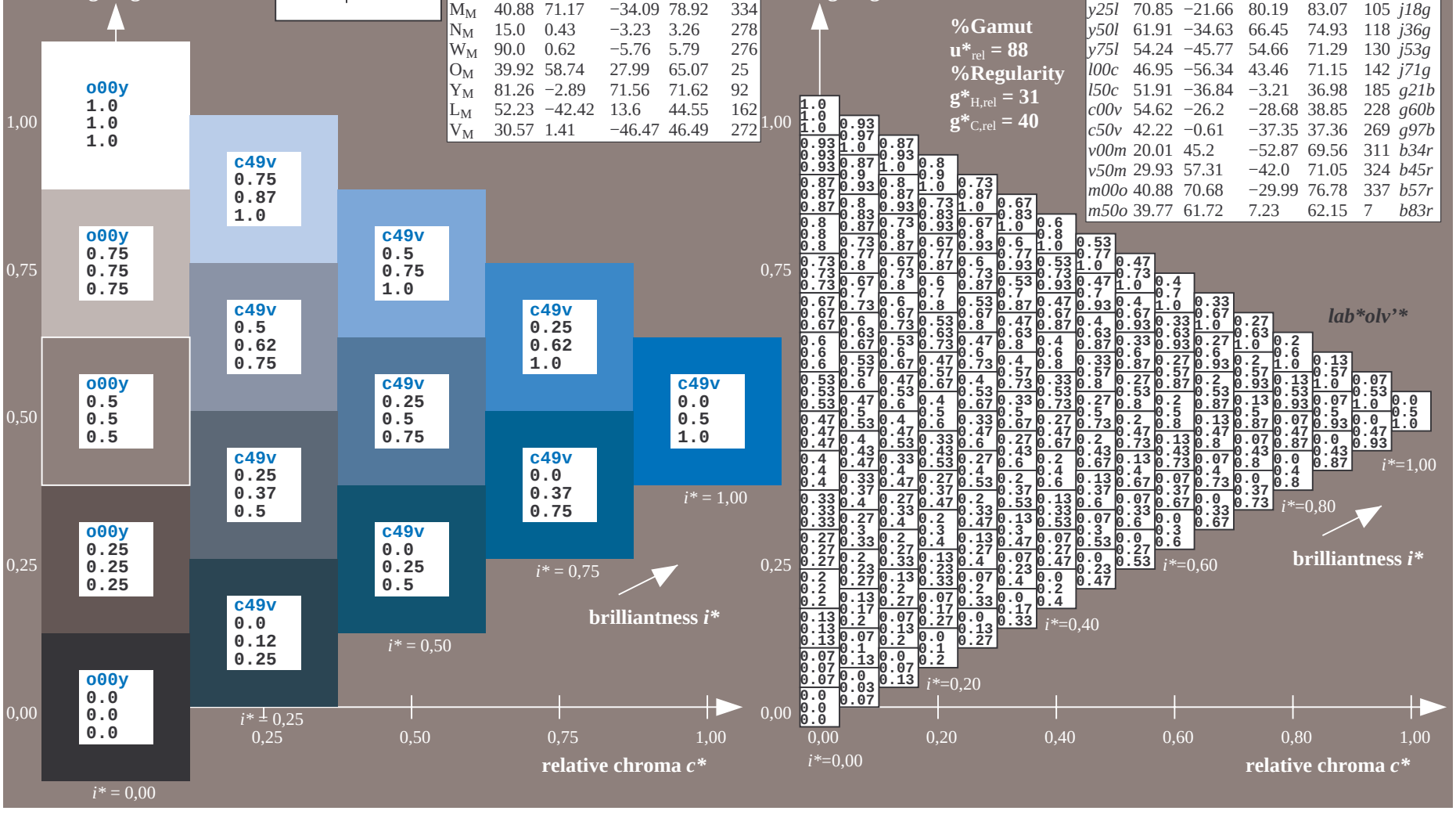
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 42 −1 −37
LAB*LCH*$_{Ma}$: 42 37 269
lab*olv*$_{Ma}$: 0.0 0.5 1.0
lab*rgb*$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
lab*olv'*

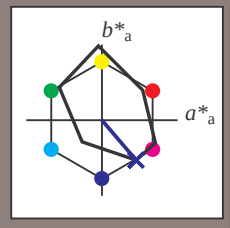
FRS09_92aM; adapted (a) CIELAB data

*u**d	*L**=*L**a	*a**a	*b**a	*C**ab,a	*h**ab,a	*u**e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

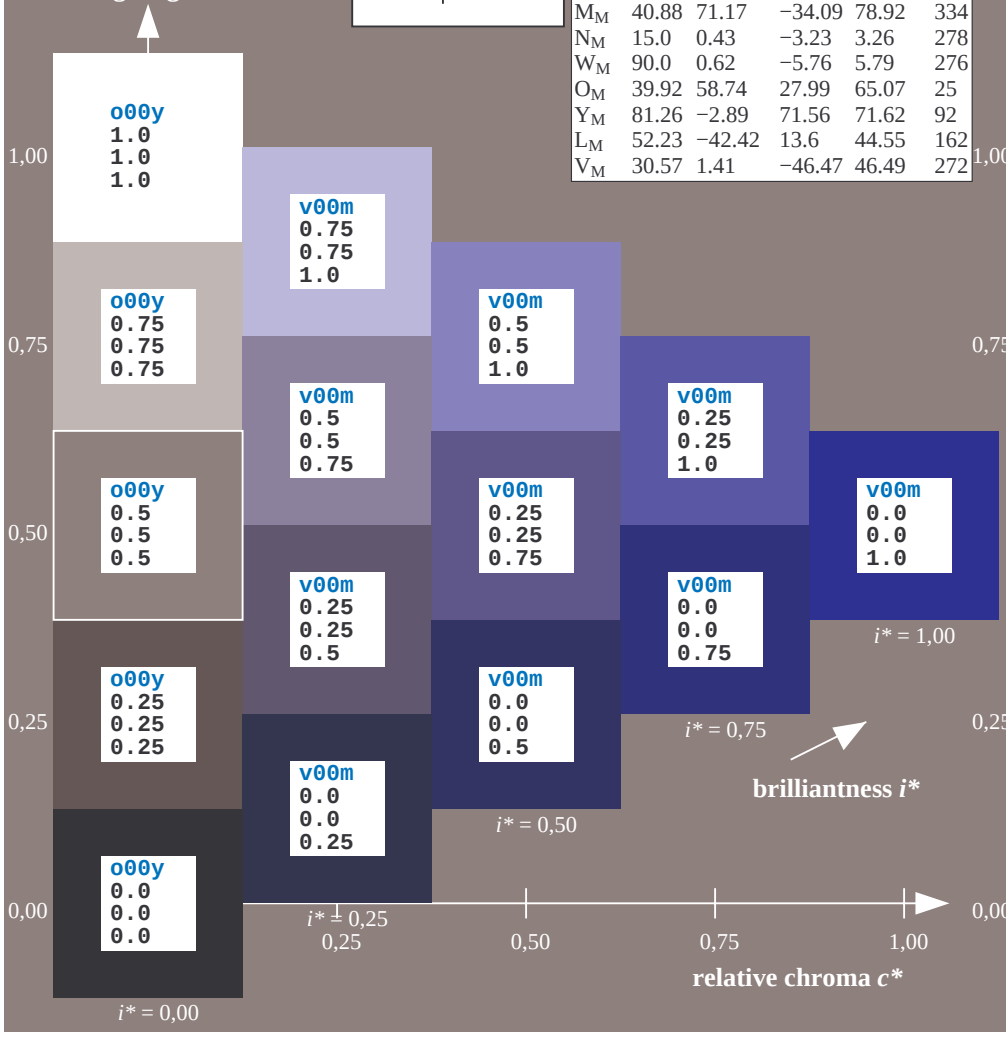
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 20 45 −53
LAB*LCH*$_{Ma}$: 20 70 310
lab*olv*$_{Ma}$: 0.0 0.0 1.0
lab*rgb*$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

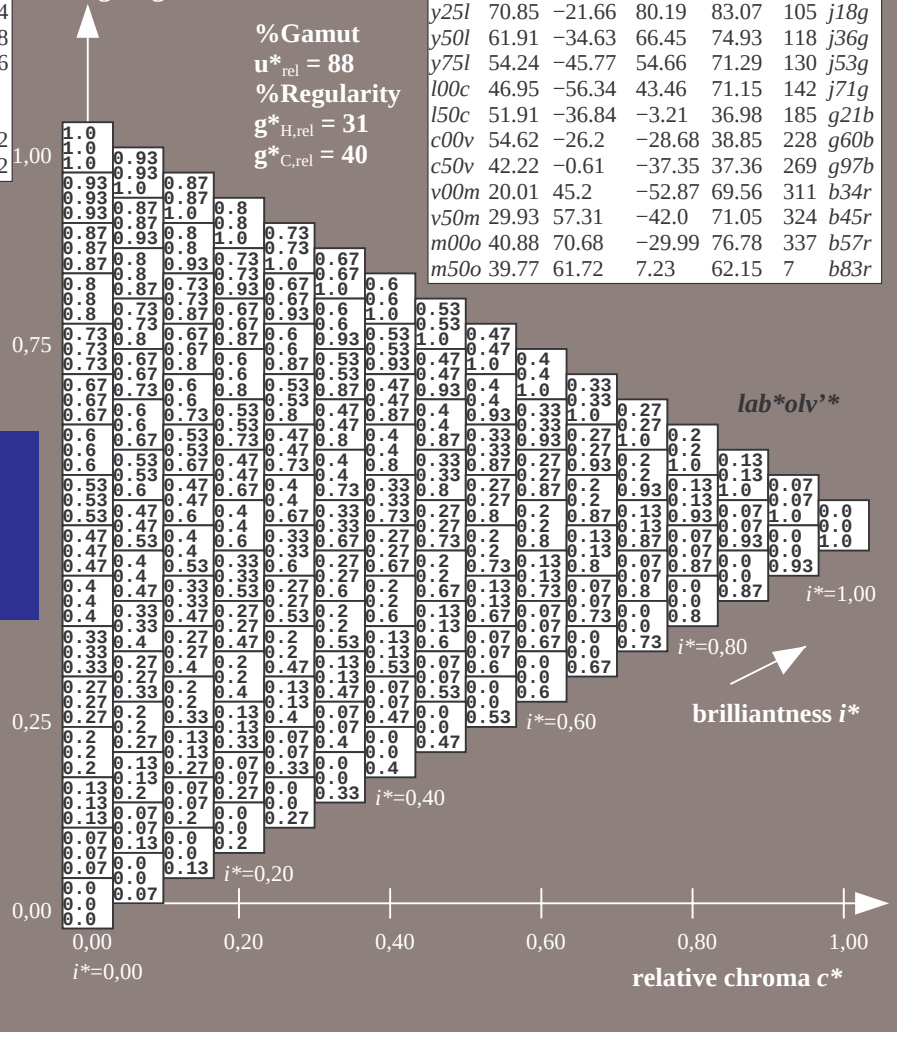
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

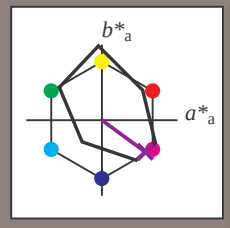
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

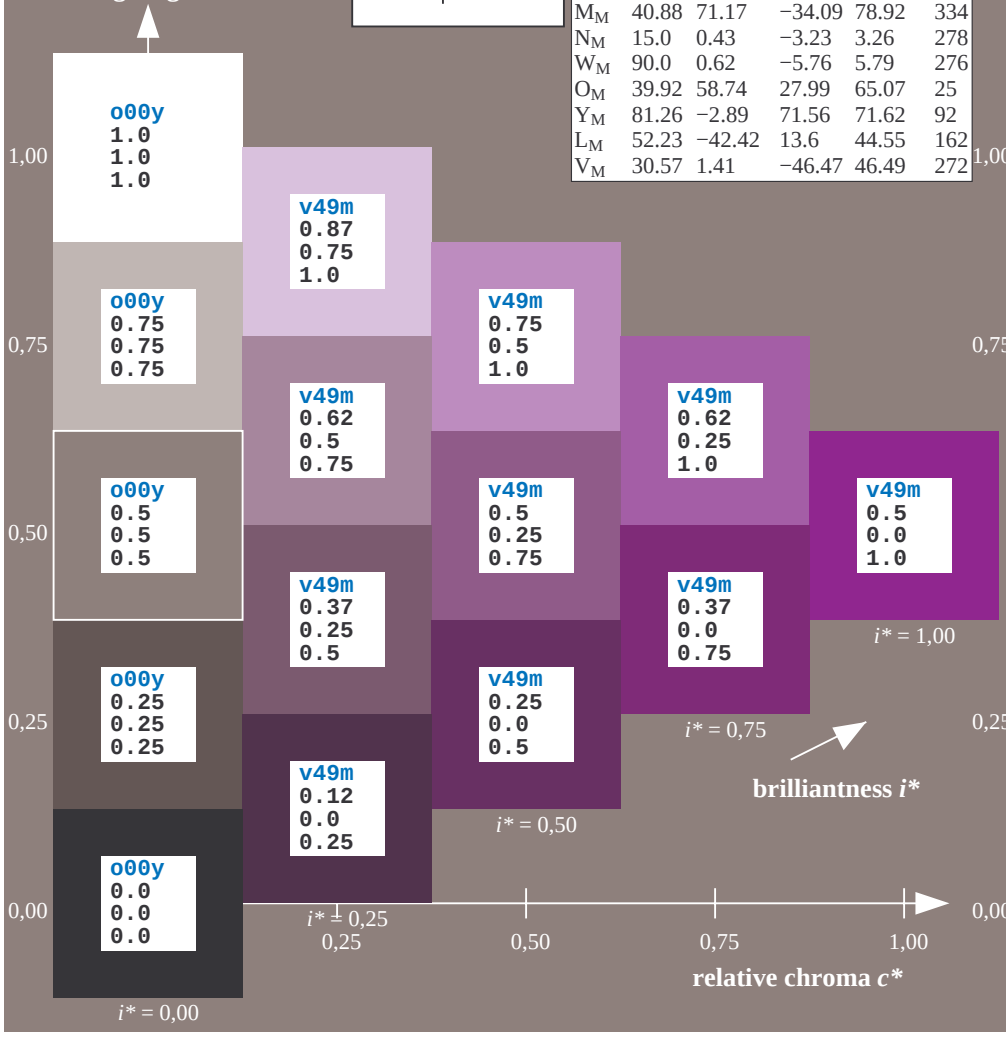
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 30 57 −42
LAB*LCH*$_{Ma}$: 30 71 323
lab*olv*$_{Ma}$: 0.5 0.0 1.0
lab*rgb*$_{Ma}$: 0.91 0.0 1.0
triangle lightness *t**

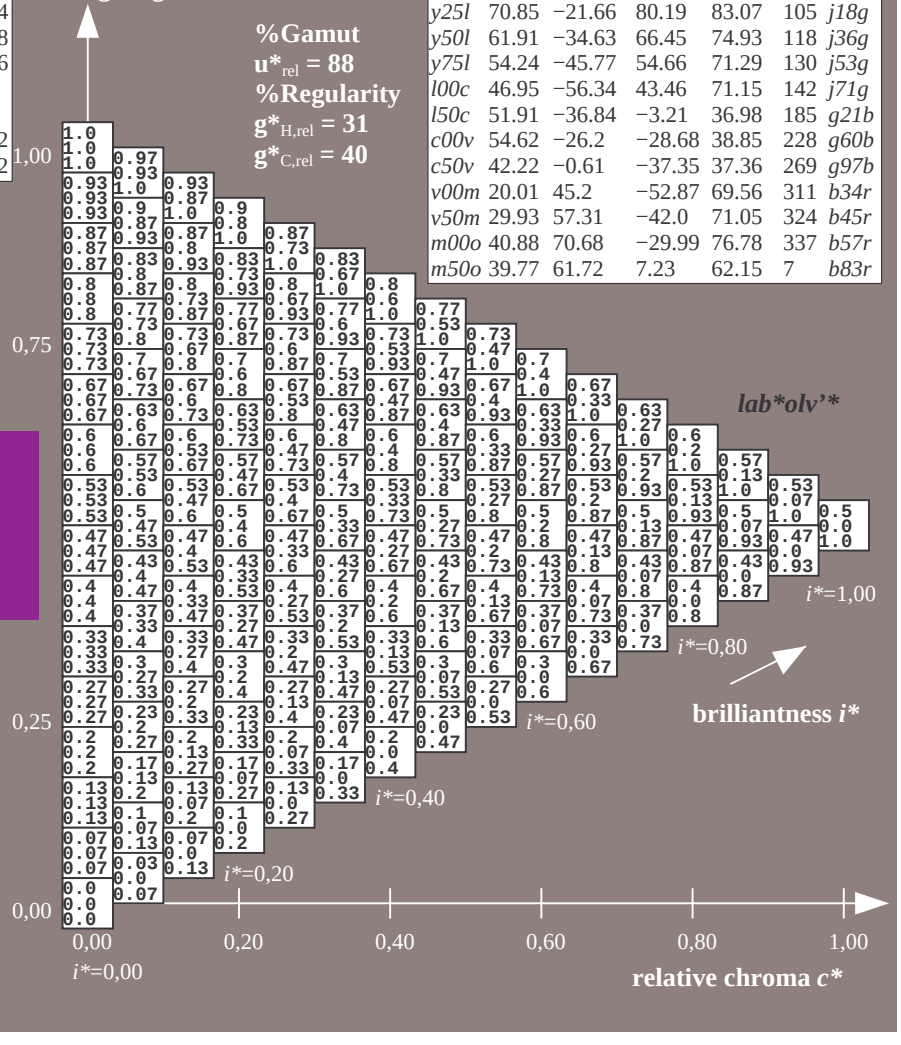
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = v50m
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

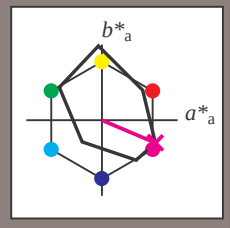
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	*L*=L**	*a**	*b**	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

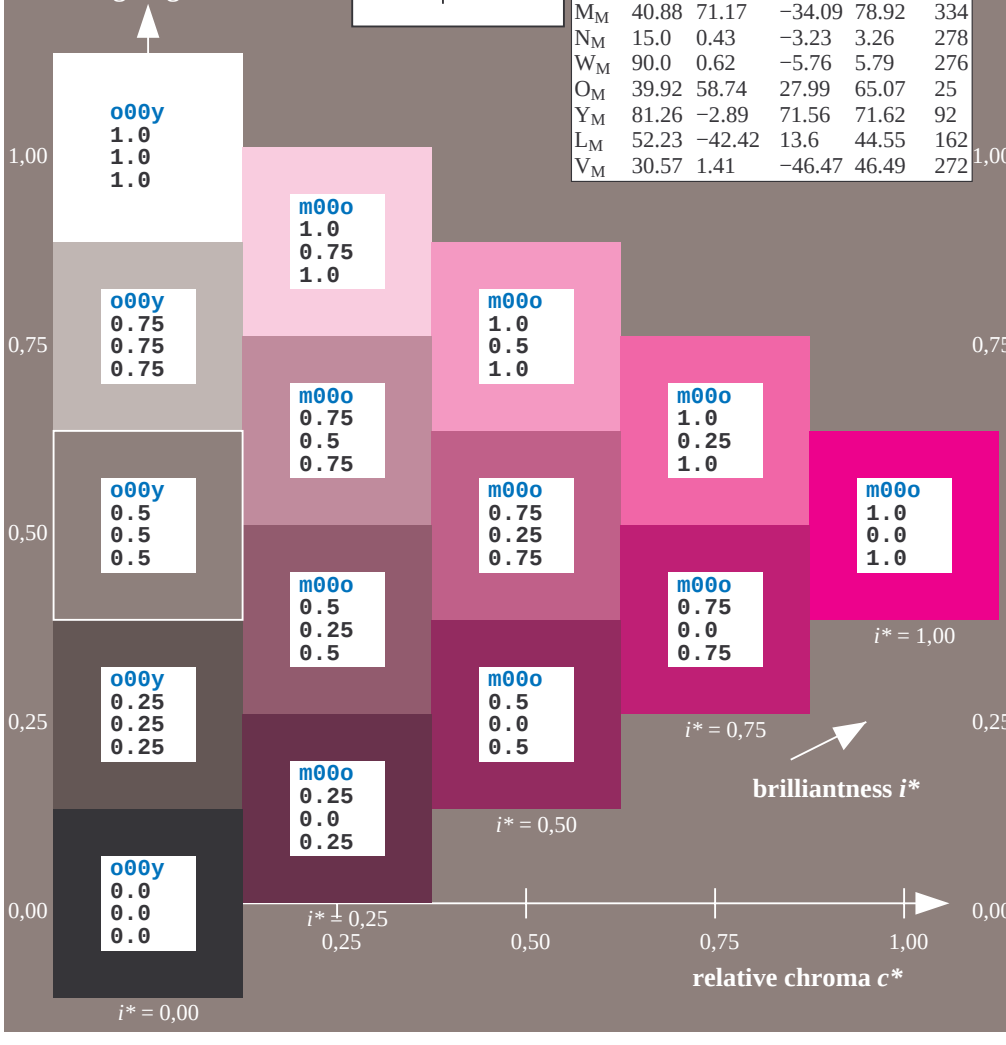
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 41 71 −30**
LAB*LCH*$_{Ma}$**: 41 77 337**
lab*olv*$_{Ma}$**: 1.0 0.0 1.0**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.85**
triangle lightness *t**

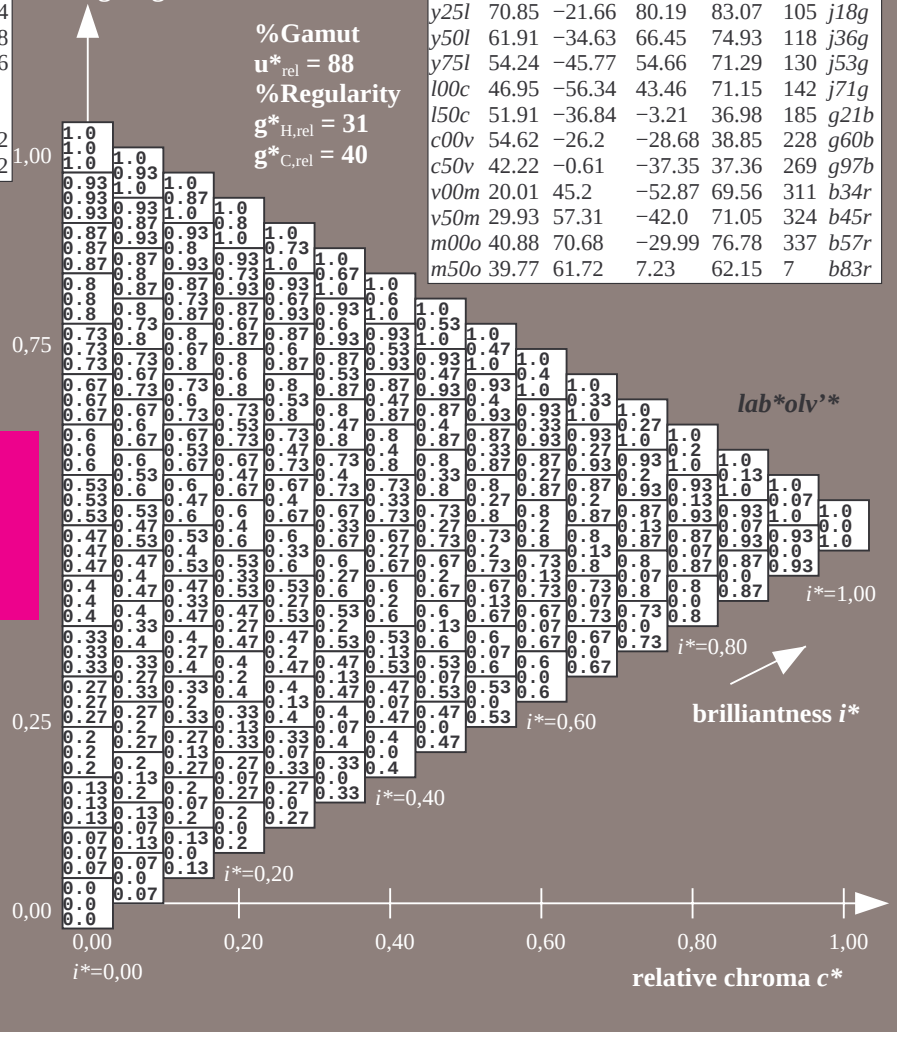
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *m00o*
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

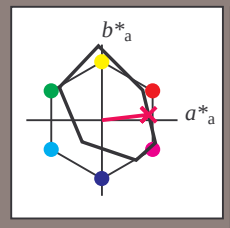
u^*_d	*L*=L**$_a$	*a**$_a$	*b**$_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

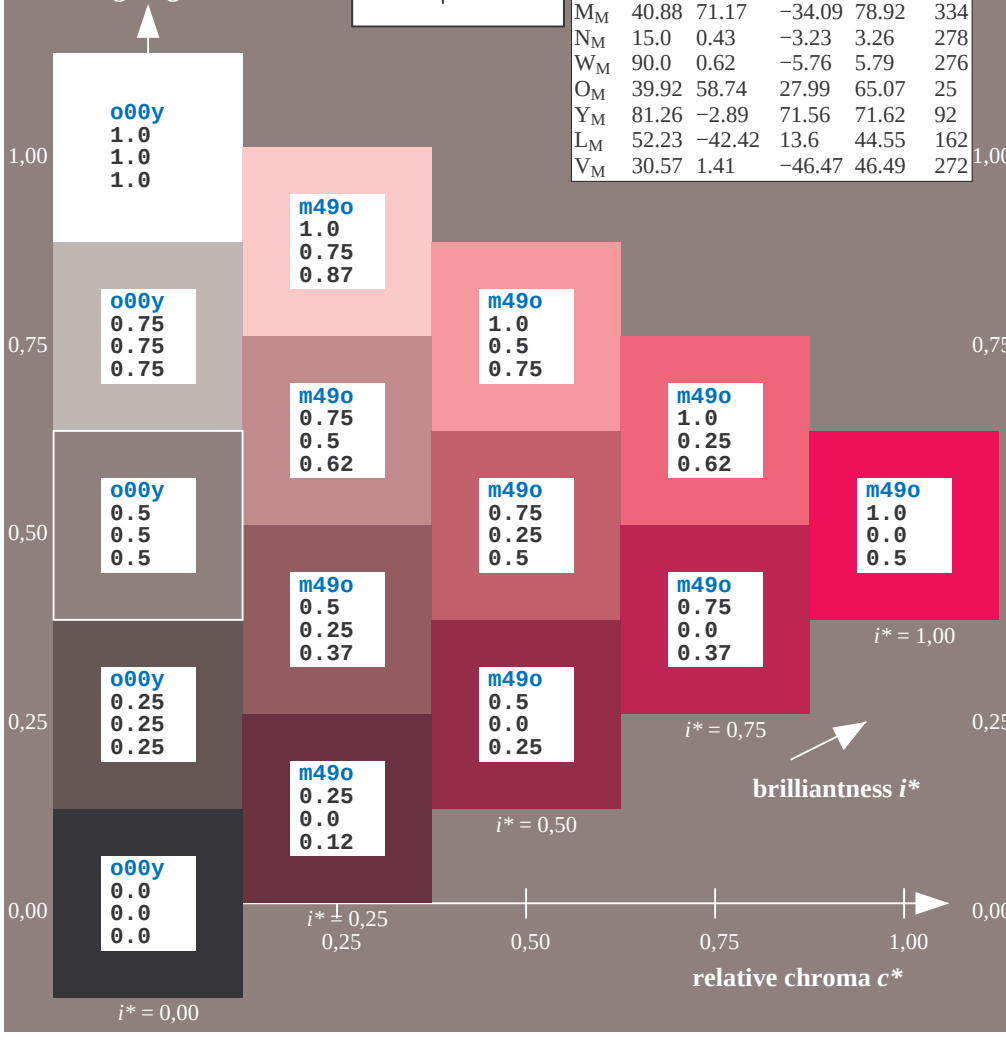
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

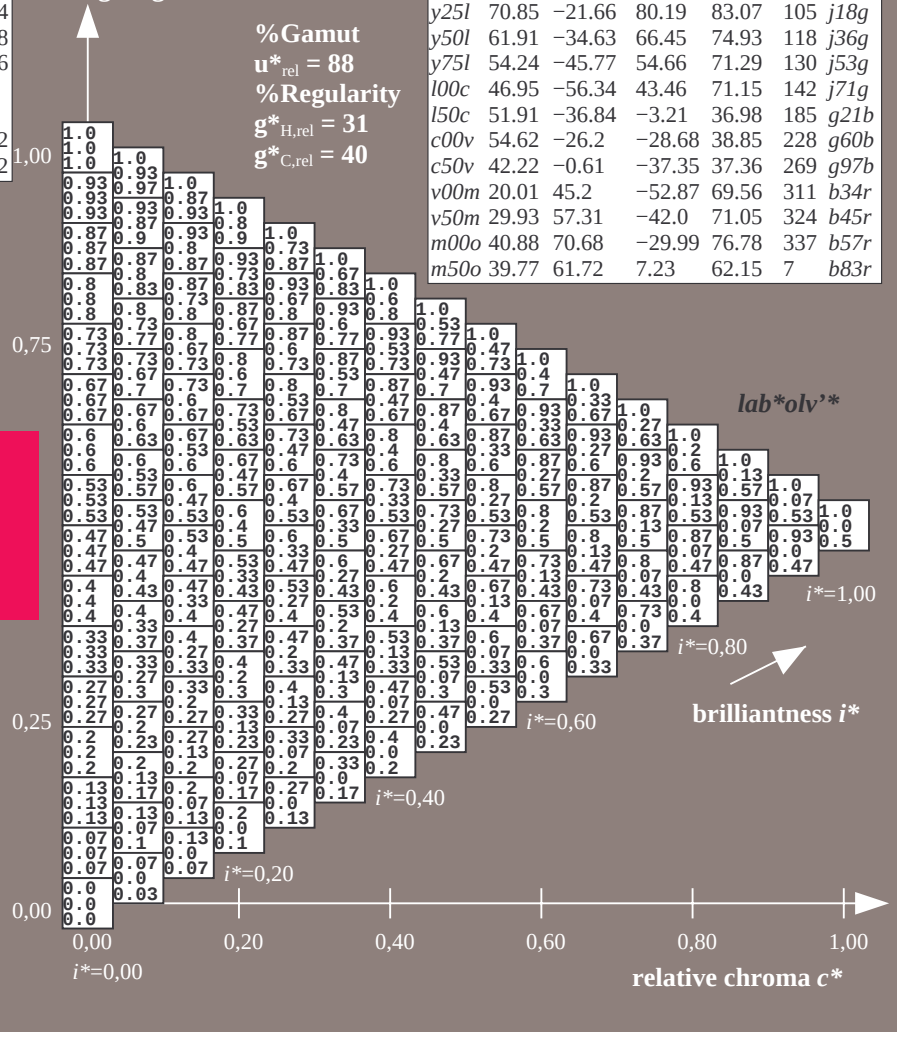
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

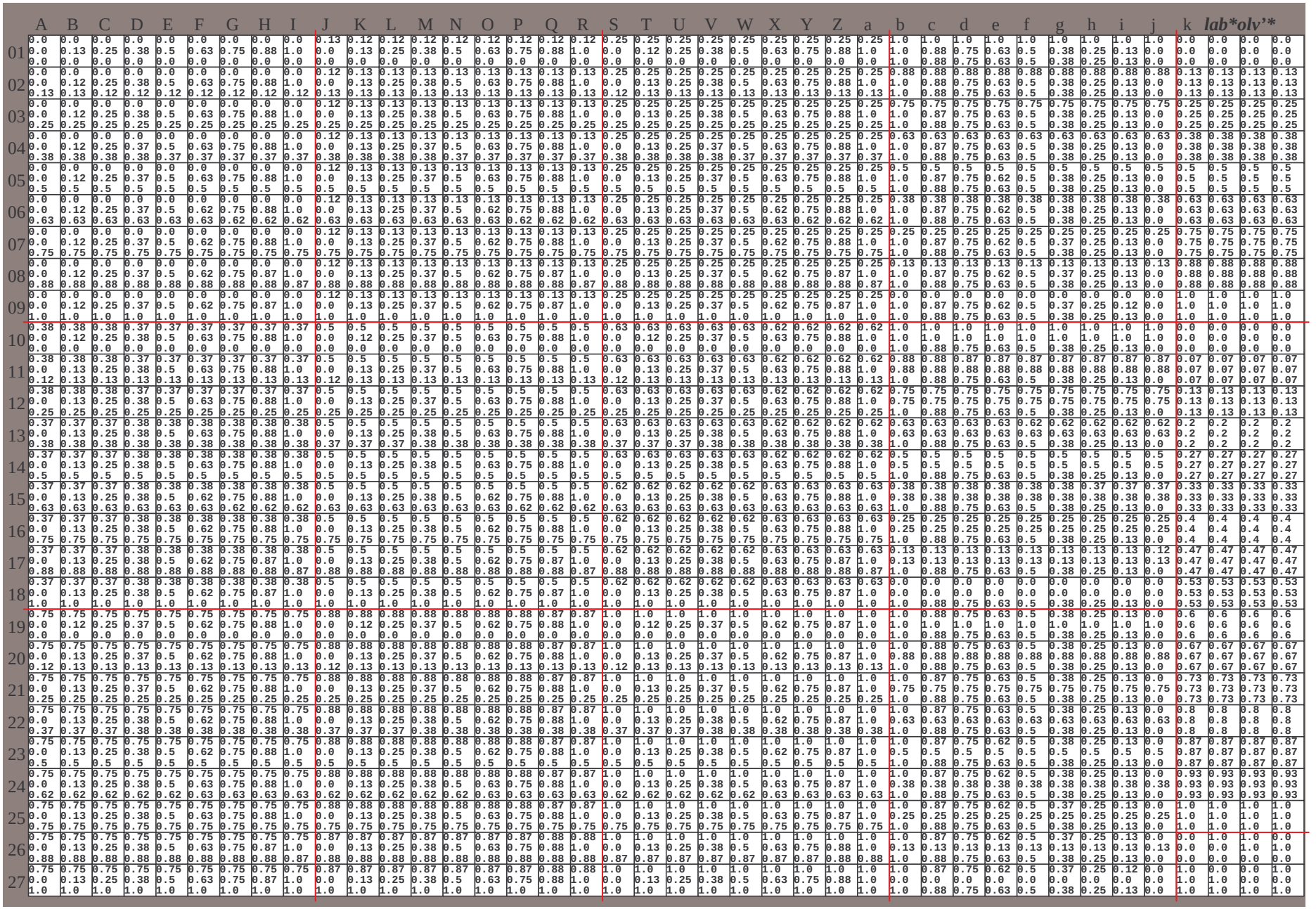
u*d* = *m50o
lab*olv'*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



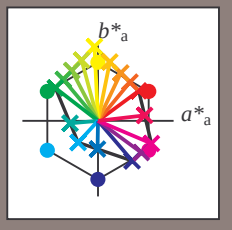




Input and output:
Colorimetric Printer Reflective System FRS09_92aM
data for any colour:
u^*_d and number *no.* = 00 .. 15
device hue text:
u^*_d = 16 hues *o00y, o25y, ..., m50o*
contrast reduction factor:
c_R = 0.9

FRS09_92aM; adapted (a) CIELAB data

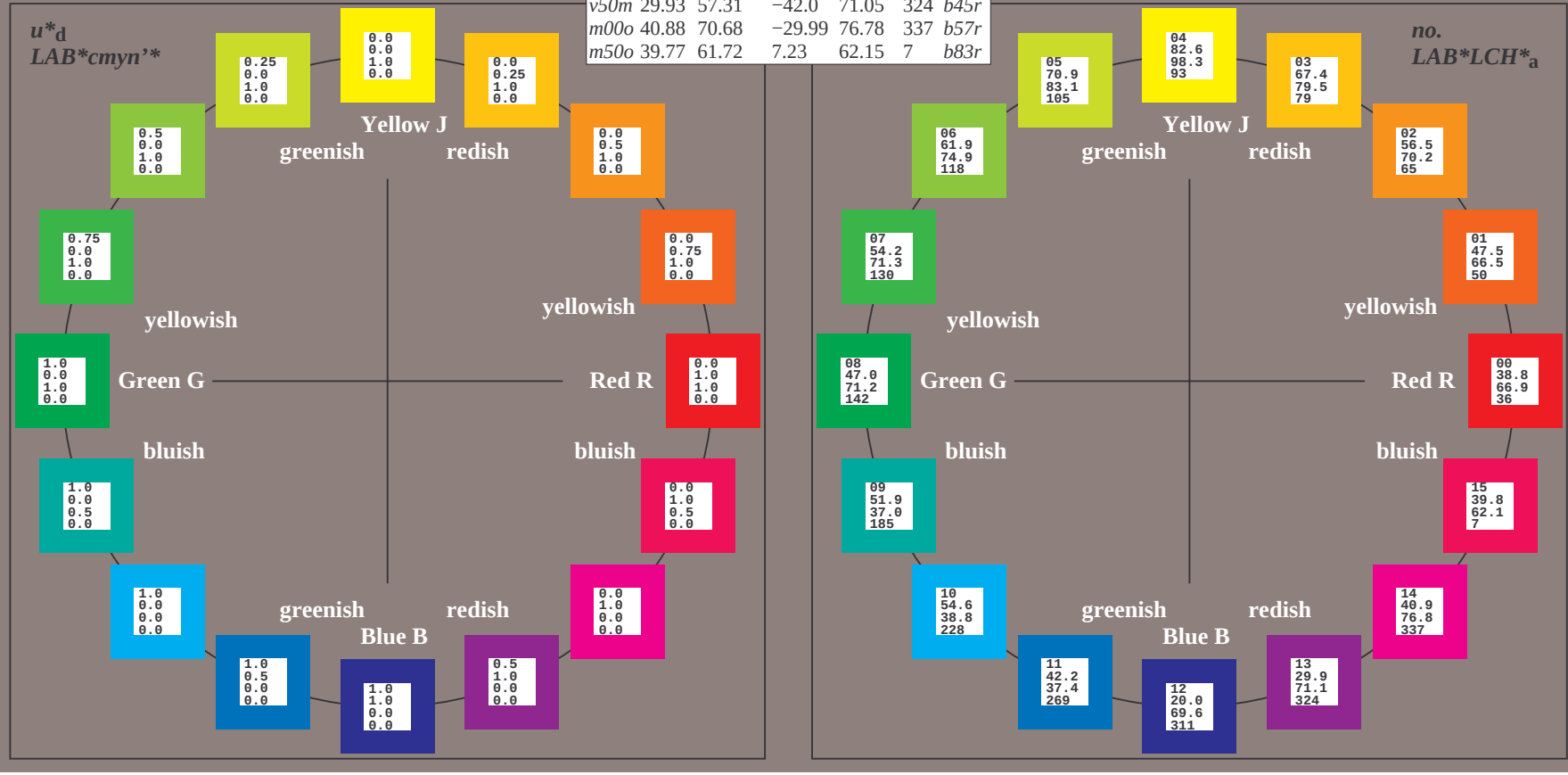
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

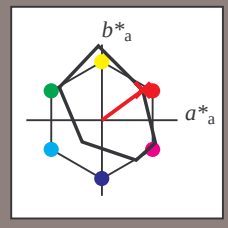
FRS09_92aM; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	−2.89	71.56	71.62	92
L_{CIE}	52.23	−42.42	13.6	44.55	162
V_{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 = 0.101**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *o00y* u^*_e = *r16j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

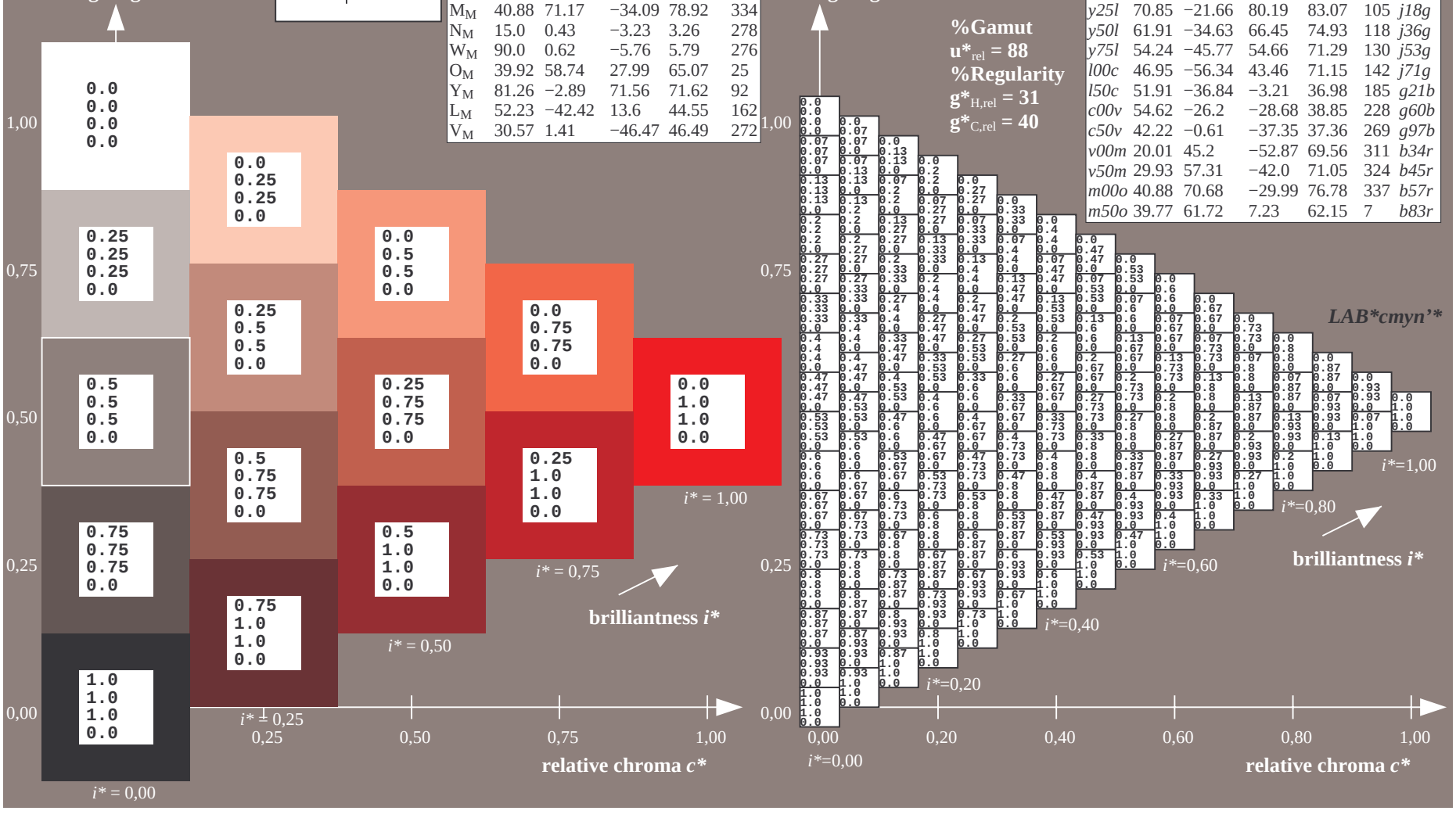
Data for maximum colour (Ma):
***LAB*LAB**Ma: 39 54 40**
***LAB*LCH**Ma: 39 67 36**
***lab*olv**Ma: 1.0 0.0 0.0**
***lab*rgb**Ma: 1.0 0.16 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o00y*
LAB*cmyn'*

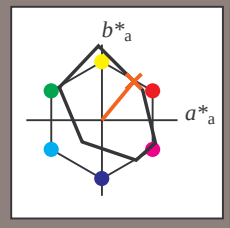
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.14**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o25y* u^*_e = *r37j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

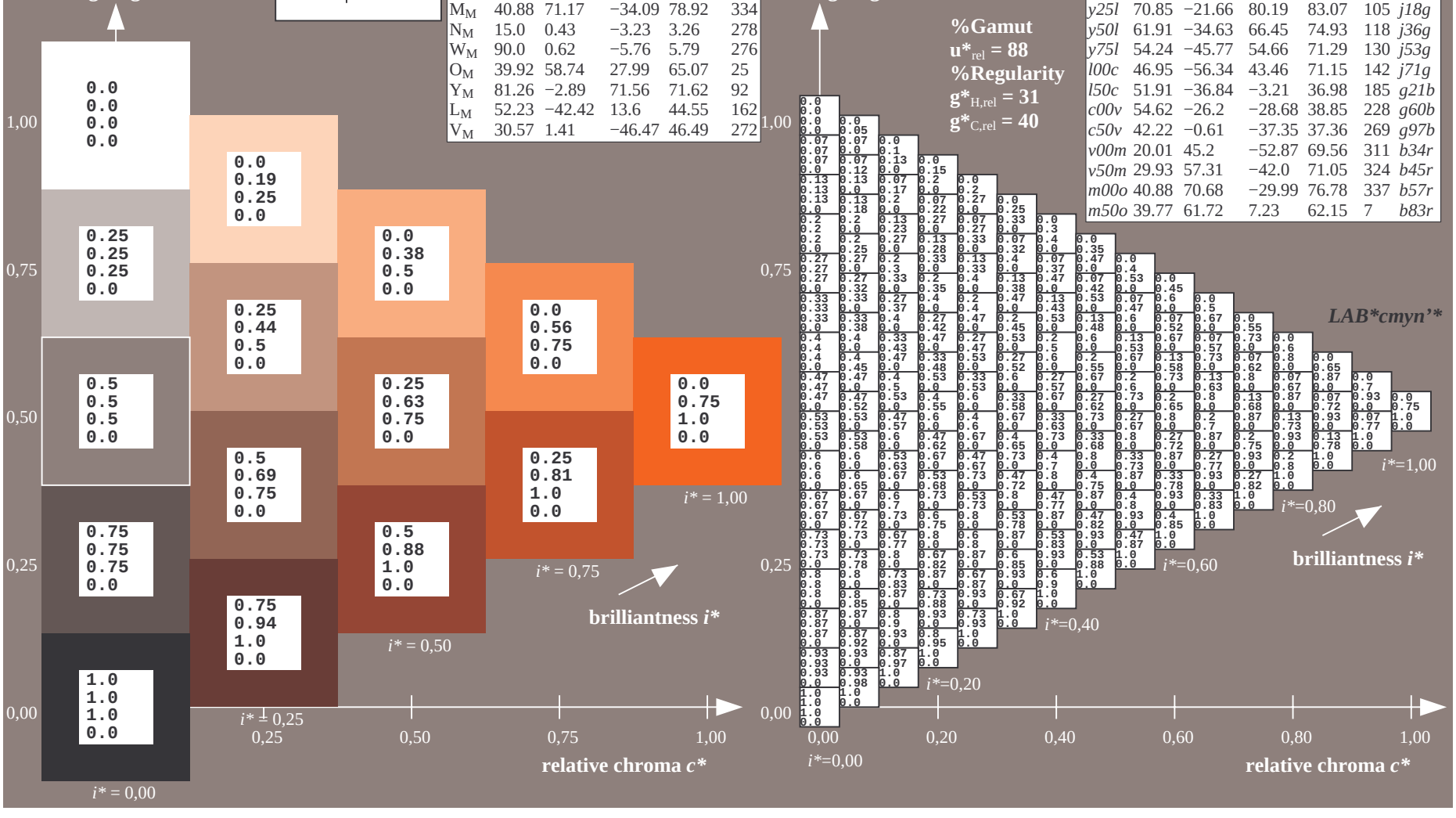
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 42 51**
LAB*LCH*$_{Ma}$**: 47 66 50**
lab*olv*$_{Ma}$**: 1.0 0.25 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.37 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o25y*
LAB*cmyn'*

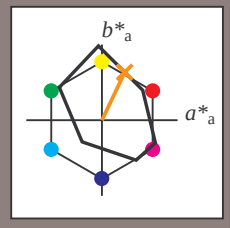
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.179**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o50y* u^*_e = *r58j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

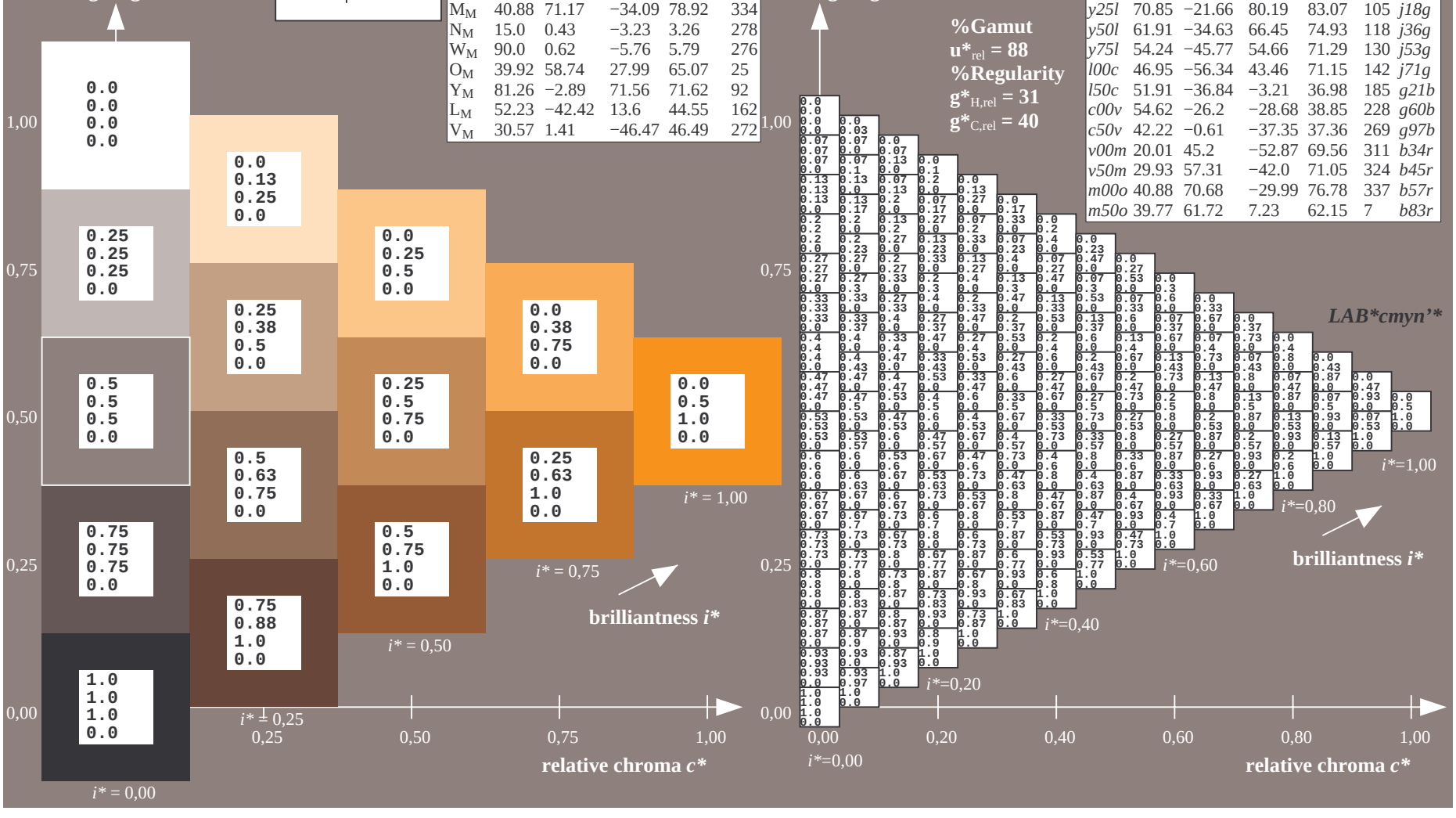
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 57 30 63**
LAB*LCH*$_{Ma}$**: 57 70 64**
lab*olv*$_{Ma}$**: 1.0 0.5 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.58 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o50y*
LAB*cmyn'*

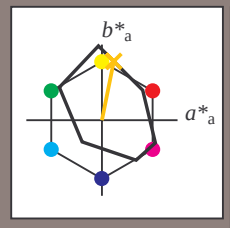
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.218**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *o75y* u^*_e = *r79j*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

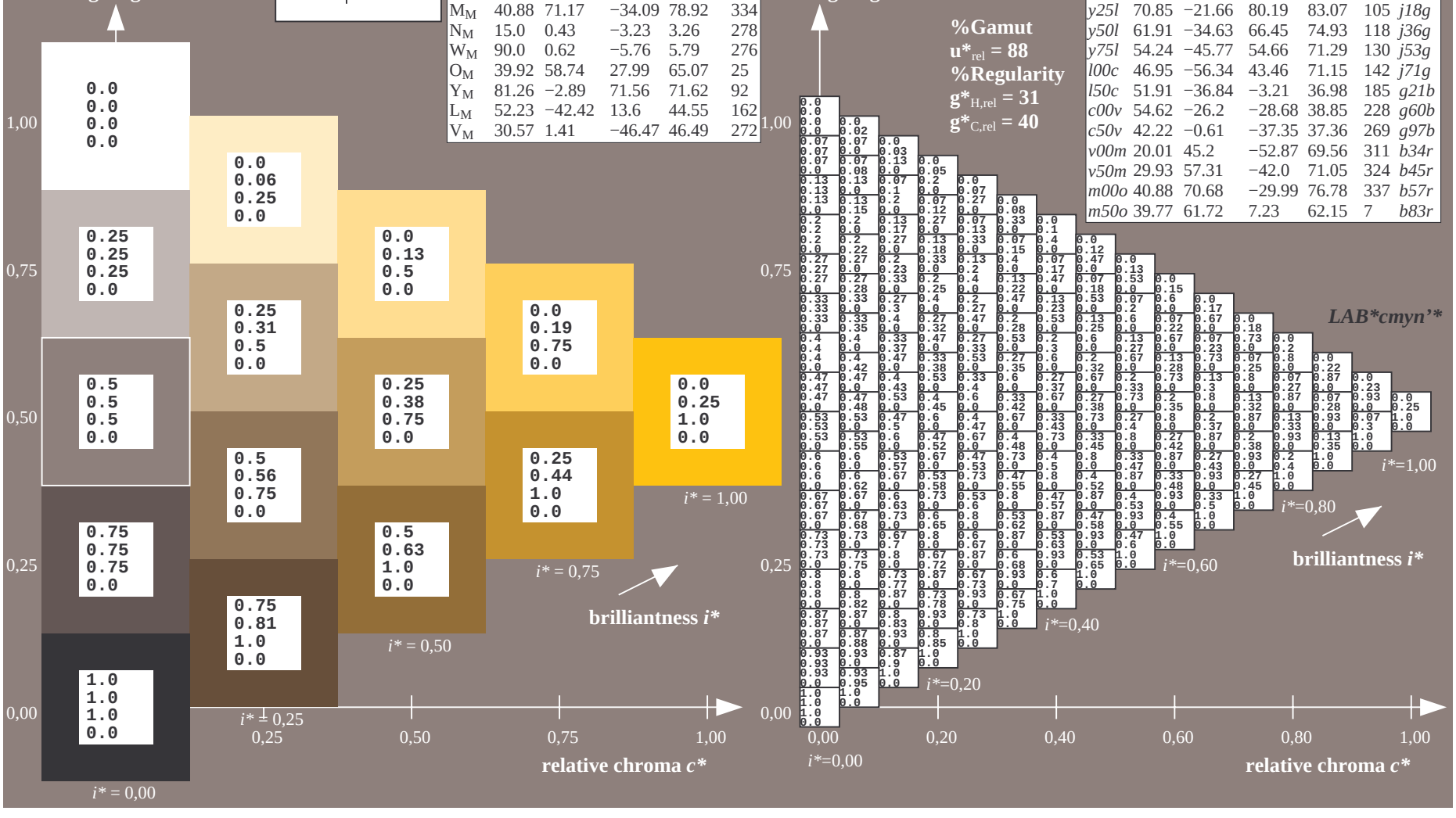
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 67 16 78**
LAB*LCH*$_{Ma}$**: 67 79 78**
lab*olv*$_{Ma}$**: 1.0 0.75 0.0**
lab*rgb*$_{Ma}$**: 1.0 0.8 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *o75y*
LAB*cmyn'*

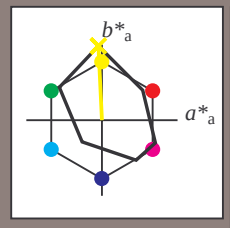
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.258**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y00l* u^*_e = *j01g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

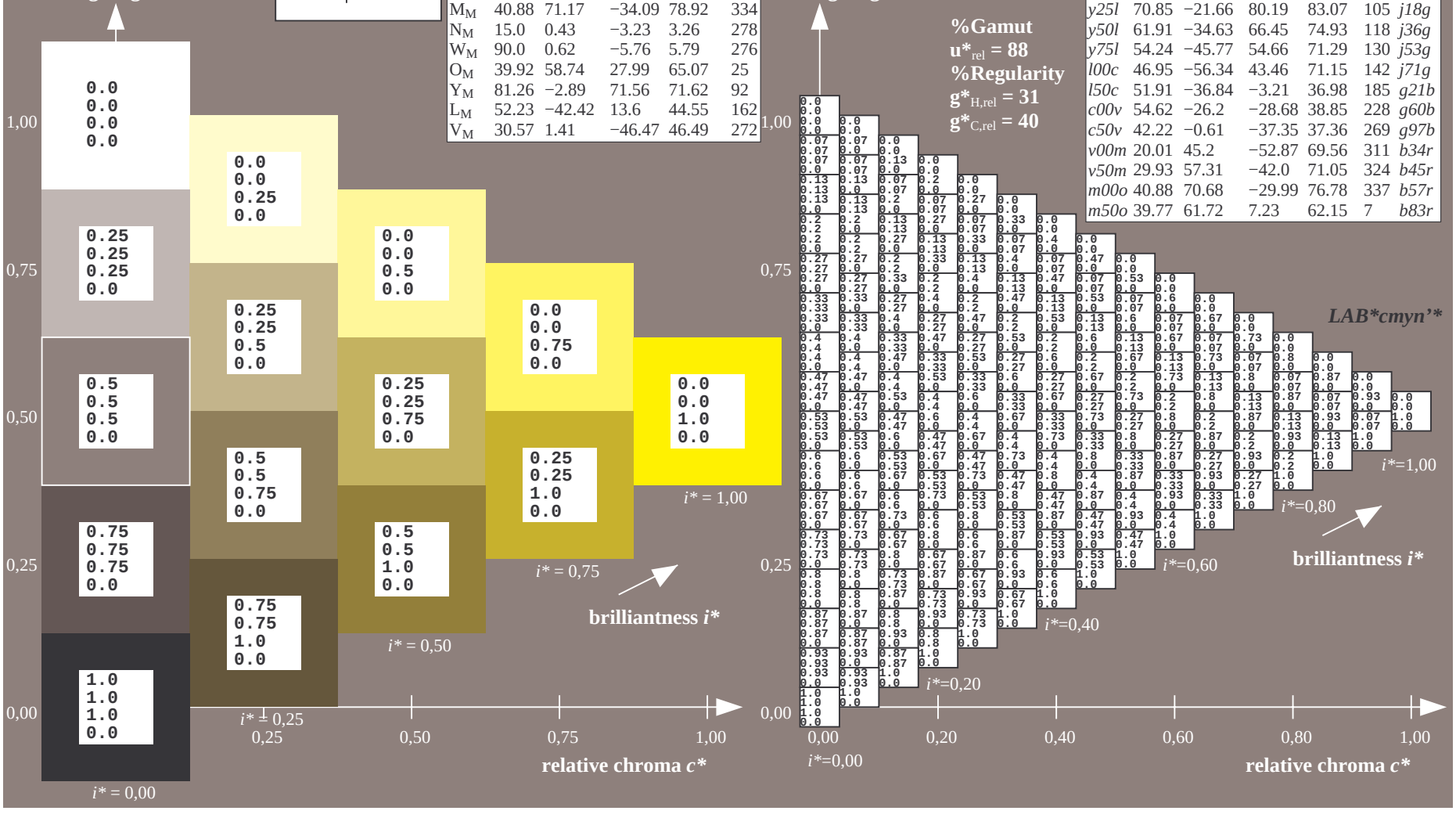
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 83 −5 98**
LAB*LCH*$_{Ma}$**: 83 98 92**
lab*olv*$_{Ma}$**: 1.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.99 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

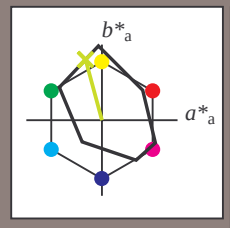
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.292**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y25l* u^*_e = *j18g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

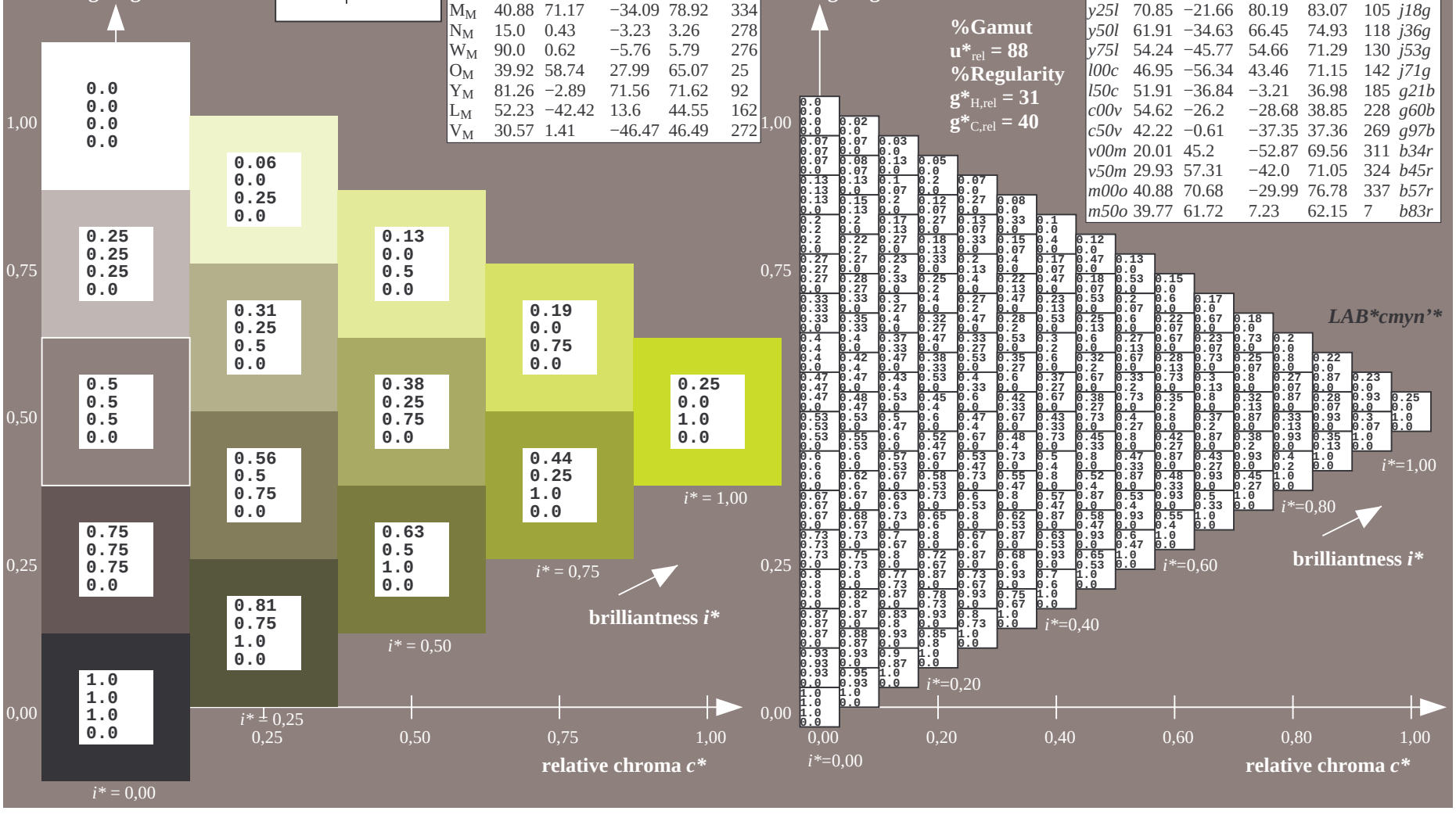
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 71 −22 80**
LAB*LCH*$_{Ma}$**: 71 83 105**
lab*olv*$_{Ma}$**: 0.75 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.82 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y25l*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

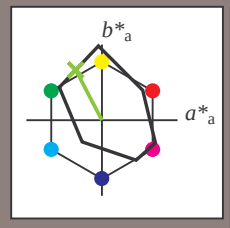
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



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 = 0.326**

data for any colour:
lab*tch **and** ***lab*icu****
Hue texts:
u^*_d **=** ***y50l*** u^*_e **=** ***j36g***
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

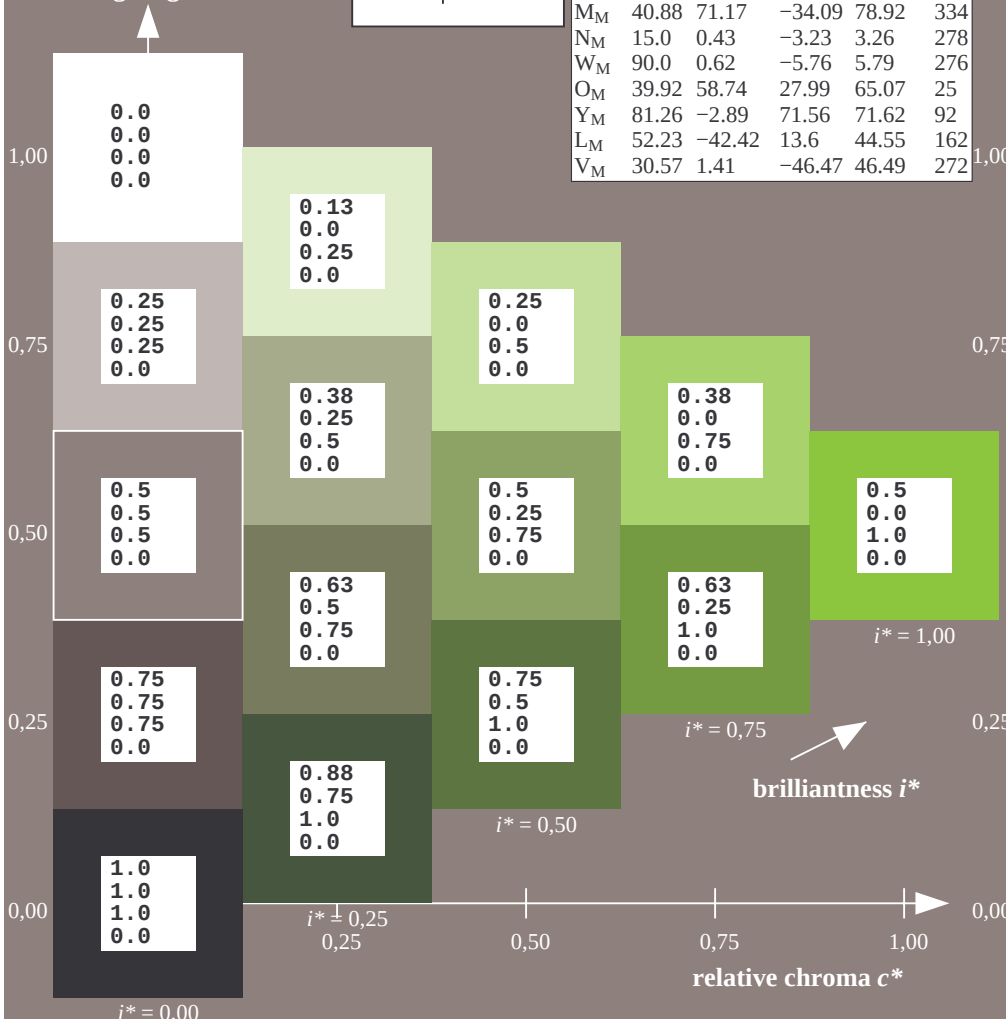
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 62 −35 66**
LAB*LCH*$_{Ma}$**: 62 75 117**
lab*olv*$_{Ma}$**: 0.5 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.64 1.0 0.0**
triangle lightness *t**

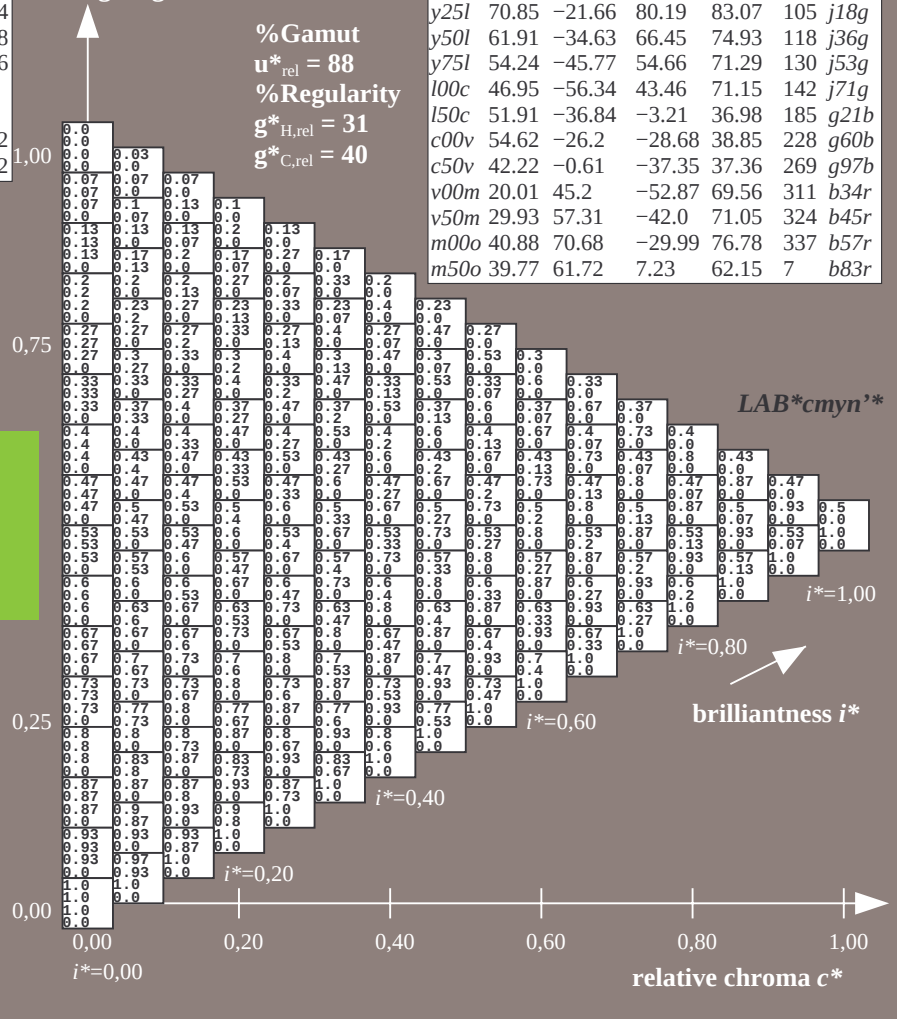
%Gamut
u^*_{rel} **= 88**
%Regularity
$g^*_{H,rel}$ **= 31**
$g^*_{C,rel}$ **= 40**

u^*_d **=** ***y50l***
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*

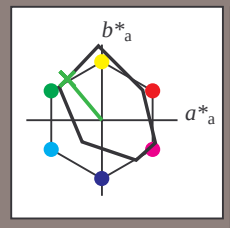




input: *000n / w / nnn0 / www set...*
output: *−>cmy0* setcmykcolor*

Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.361**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *y75l* u^*_e = *j53g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

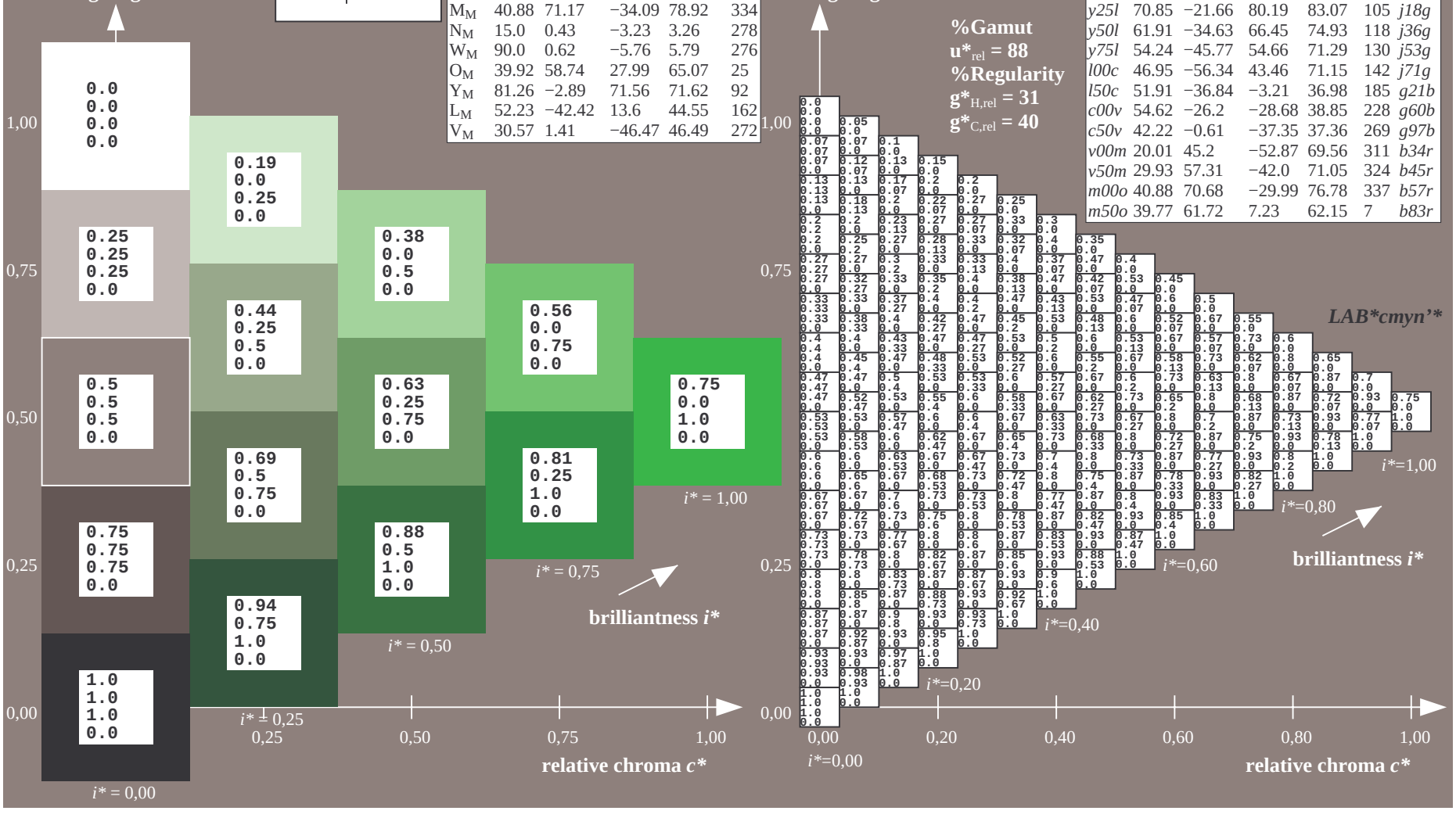
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 54 −46 55
LAB*LCH*$_{Ma}$: 54 71 129
lab*olv*$_{Ma}$: 0.25 1.0 0.0
lab*rgb*$_{Ma}$: 0.46 1.0 0.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *y75l*
LAB*cmyn'*

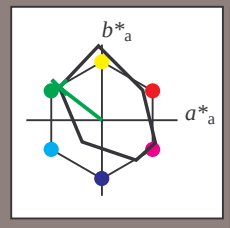
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.395**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *l00c* u^*_e = *j71g*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

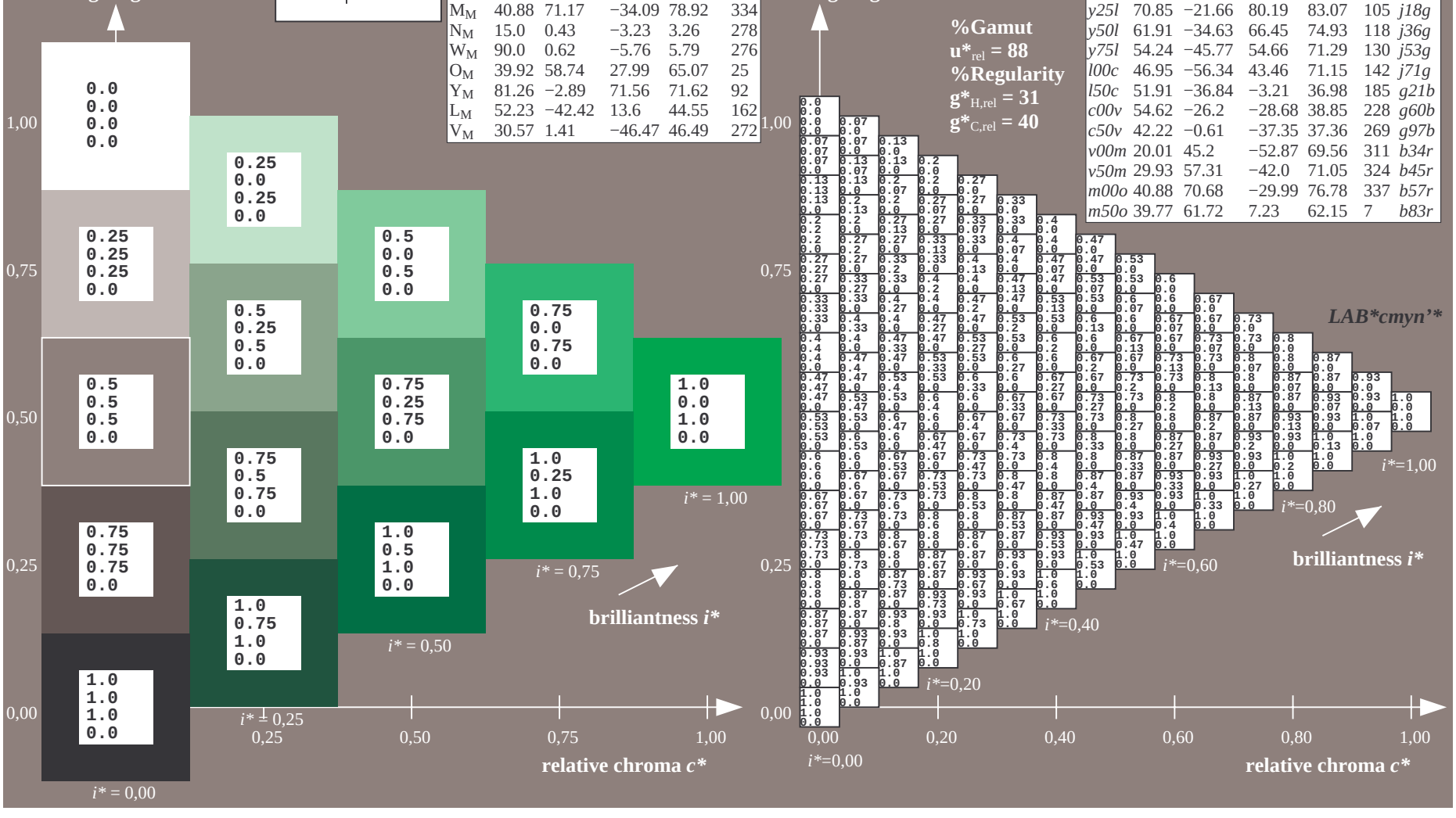
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 47 −56 43**
LAB*LCH*$_{Ma}$**: 47 71 142**
lab*olv*$_{Ma}$**: 0.0 1.0 0.0**
lab*rgb*$_{Ma}$**: 0.28 1.0 0.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *l00c*
LAB*cmyn'*

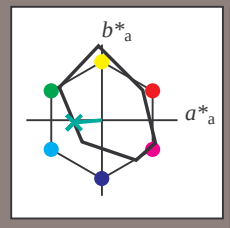
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.514**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d **= *l50c*** u^*_e **= *g21b***
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

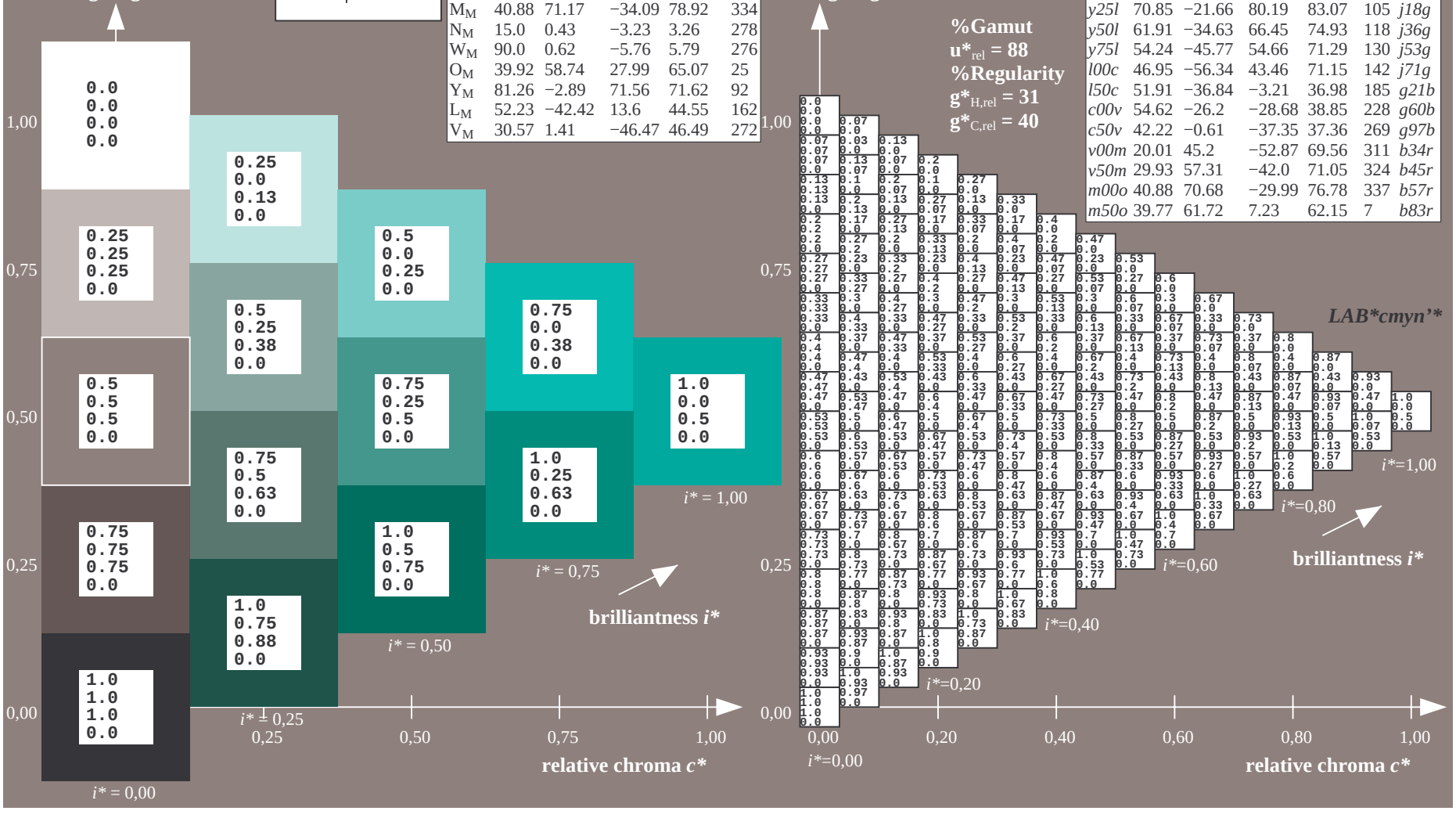
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 52 −37 −3**
LAB*LCH*$_{Ma}$**: 52 37 184**
lab*olv*$_{Ma}$**: 0.0 1.0 0.5**
lab*rgb*$_{Ma}$**: 0.0 1.0 0.42**
triangle lightness *t**

%Gamut
u^*_{rel} **= 88**
%Regularity
$g^*_{H,rel}$ **= 31**
$g^*_{C,rel}$ **= 40**

u^*_d **= *l50c***
LAB*cmyn'*

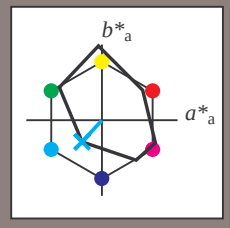
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.632**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c00v* u^*_e = *g60b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

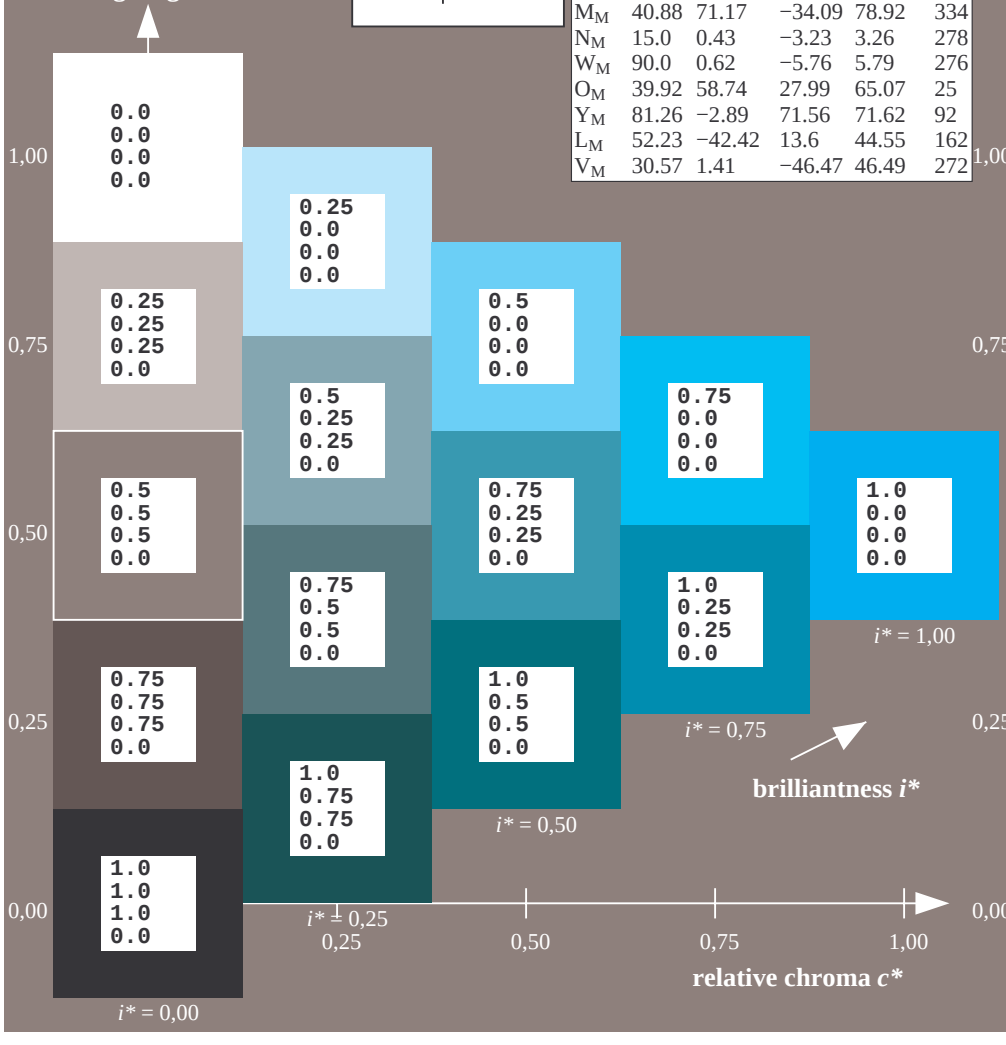
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 55 −26 −29**
LAB*LCH*$_{Ma}$**: 55 39 227**
lab*olv*$_{Ma}$**: 0.0 1.0 1.0**
lab*rgb*$_{Ma}$**: 0.0 0.81 1.0**
triangle lightness *t**

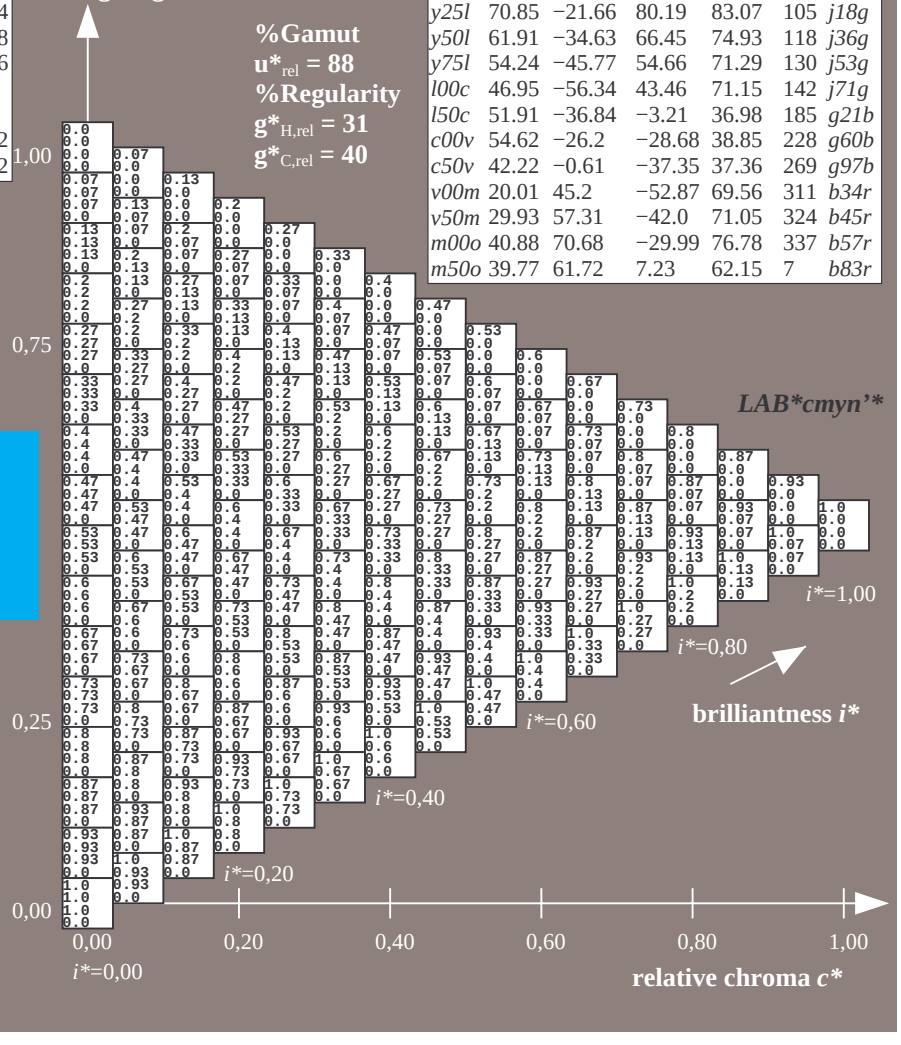
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c00v*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

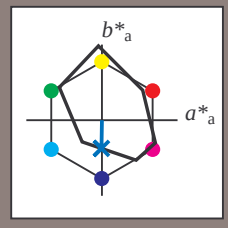
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.747**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *c50v* u^*_e = *g97b*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

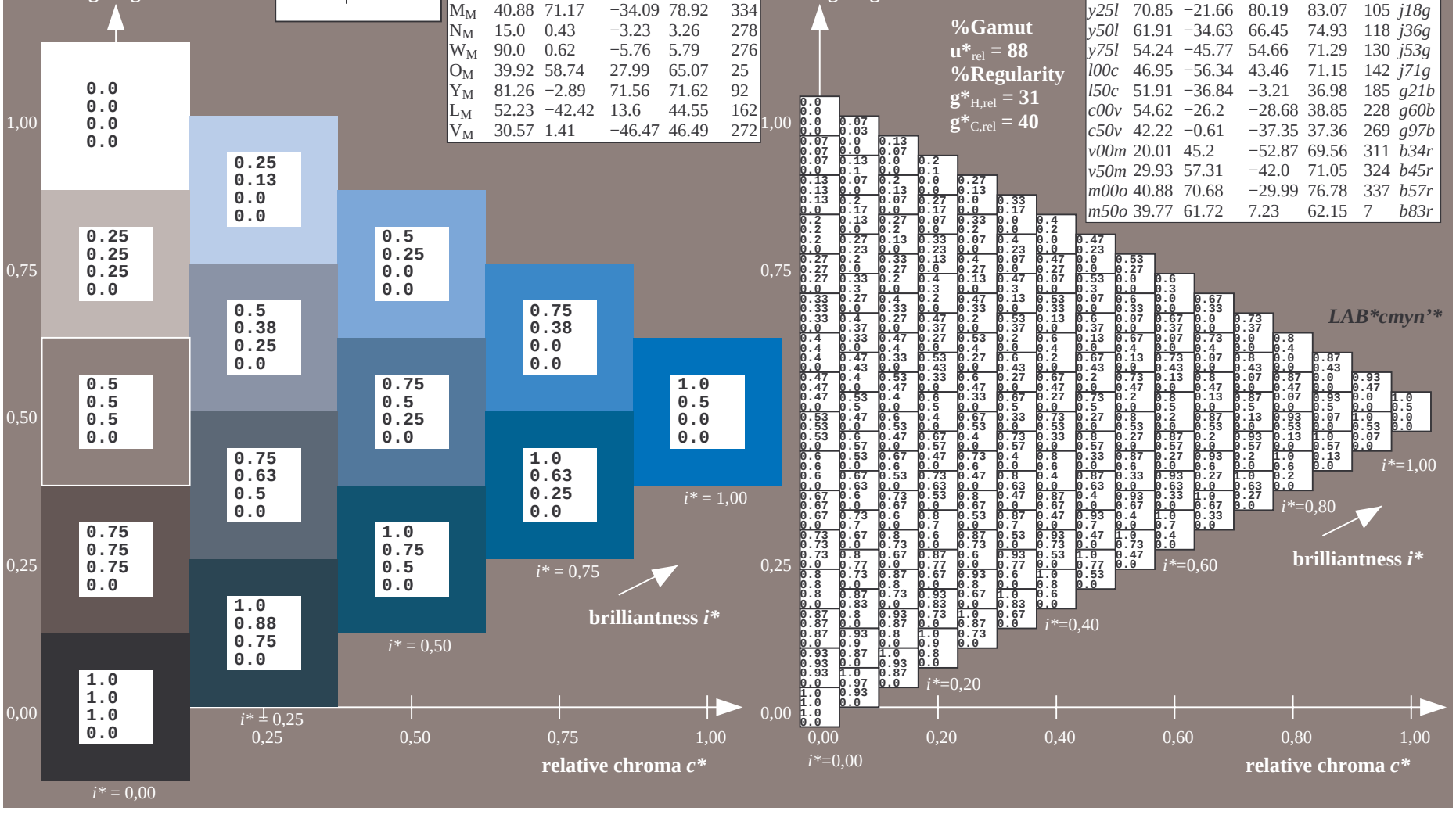
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 42 −1 −37
LAB*LCH*$_{Ma}$: 42 37 269
lab*olv*$_{Ma}$: 0.0 0.5 1.0
lab*rgb*$_{Ma}$: 0.0 0.05 1.0
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *c50v*
LAB*cmyn'*

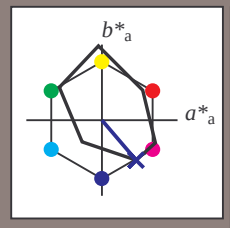
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.863**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v00m* u^*_e = *b34r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

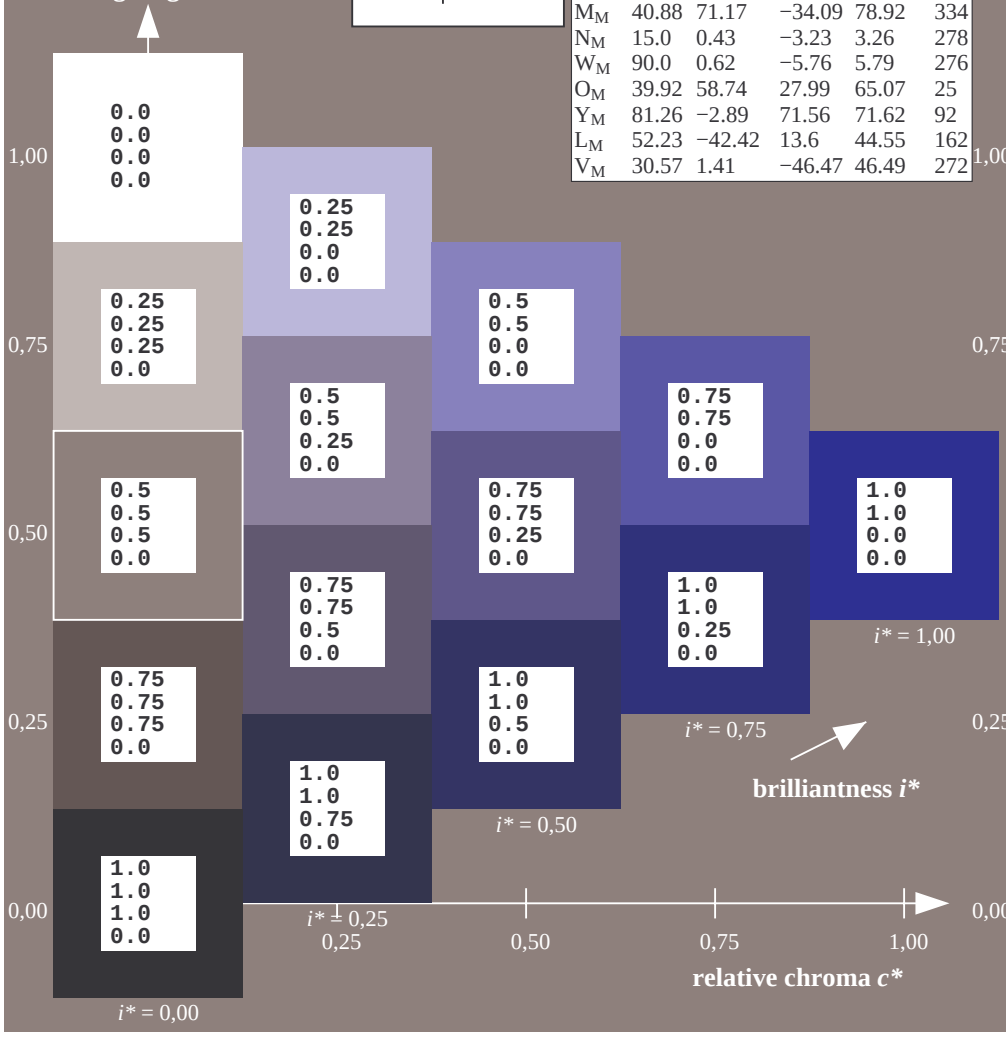
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$: 20 45 −53
LAB*LCH*$_{Ma}$: 20 70 310
lab*olv*$_{Ma}$: 0.0 0.0 1.0
lab*rgb*$_{Ma}$: 0.68 0.0 1.0
triangle lightness *t**

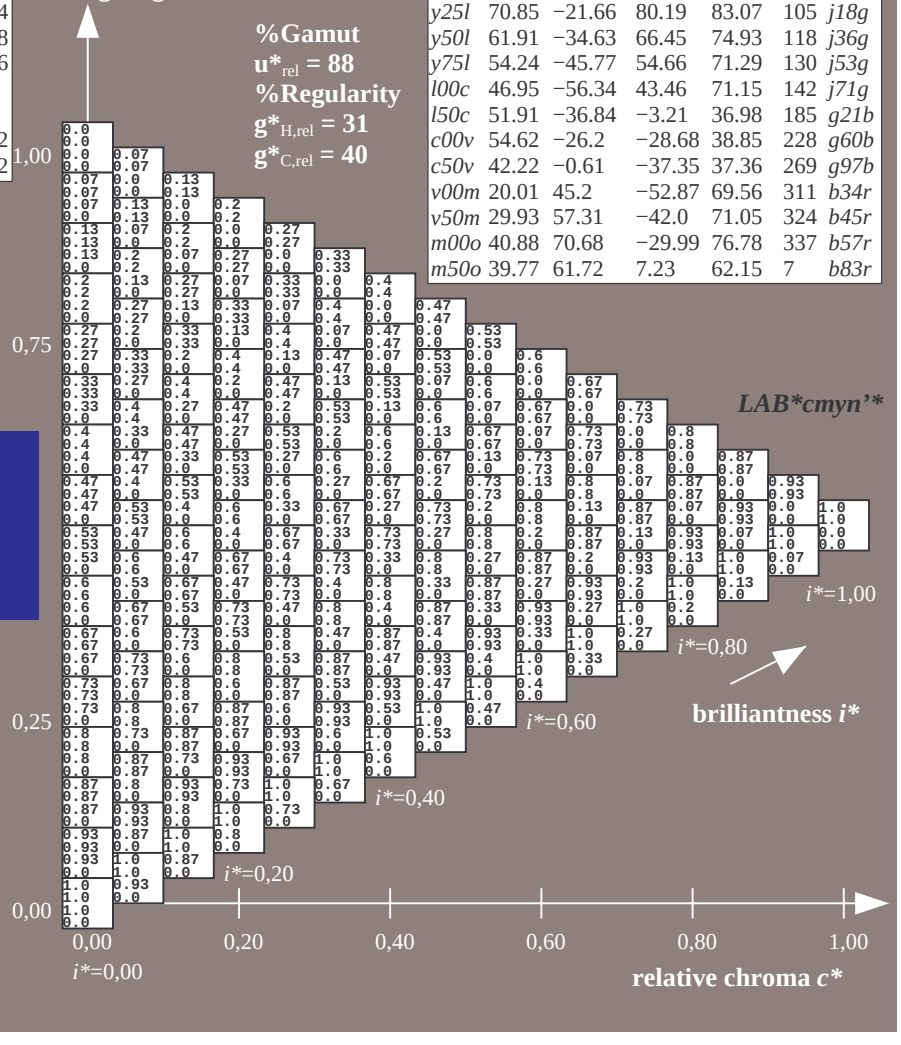
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = *v00m*
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

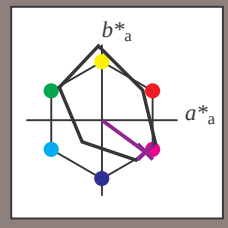
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.899**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *v50m* u^*_e = *b45r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

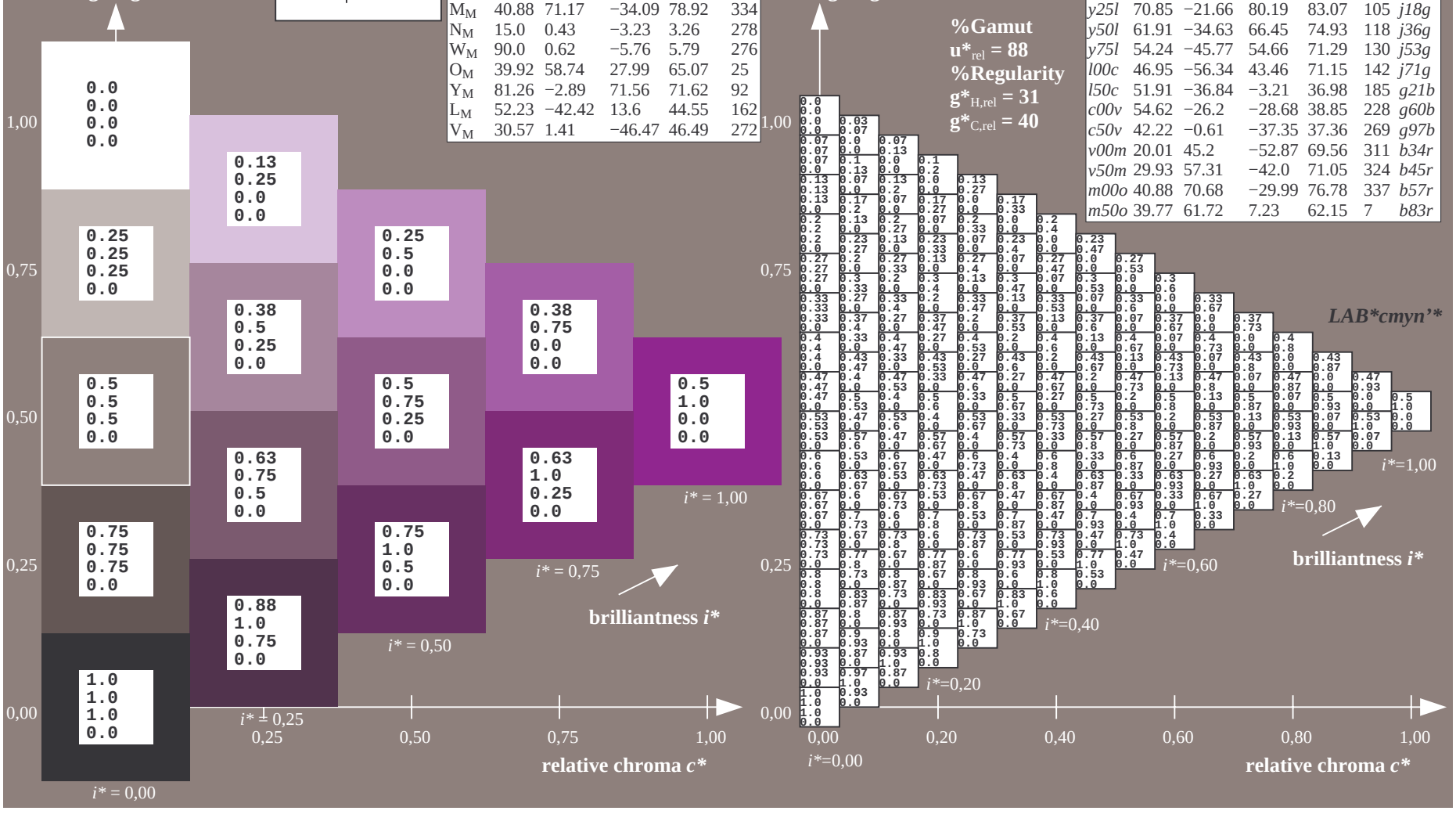
Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 30 57 −42**
LAB*LCH*$_{Ma}$**: 30 71 323**
lab*olv*$_{Ma}$**: 0.5 0.0 1.0**
lab*rgb*$_{Ma}$**: 0.91 0.0 1.0**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u*d = v50m
LAB*cmyn'*

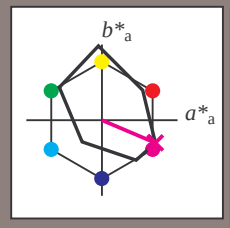
FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*



Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.936**

data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_d = *m00o* u^*_e = *b57r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

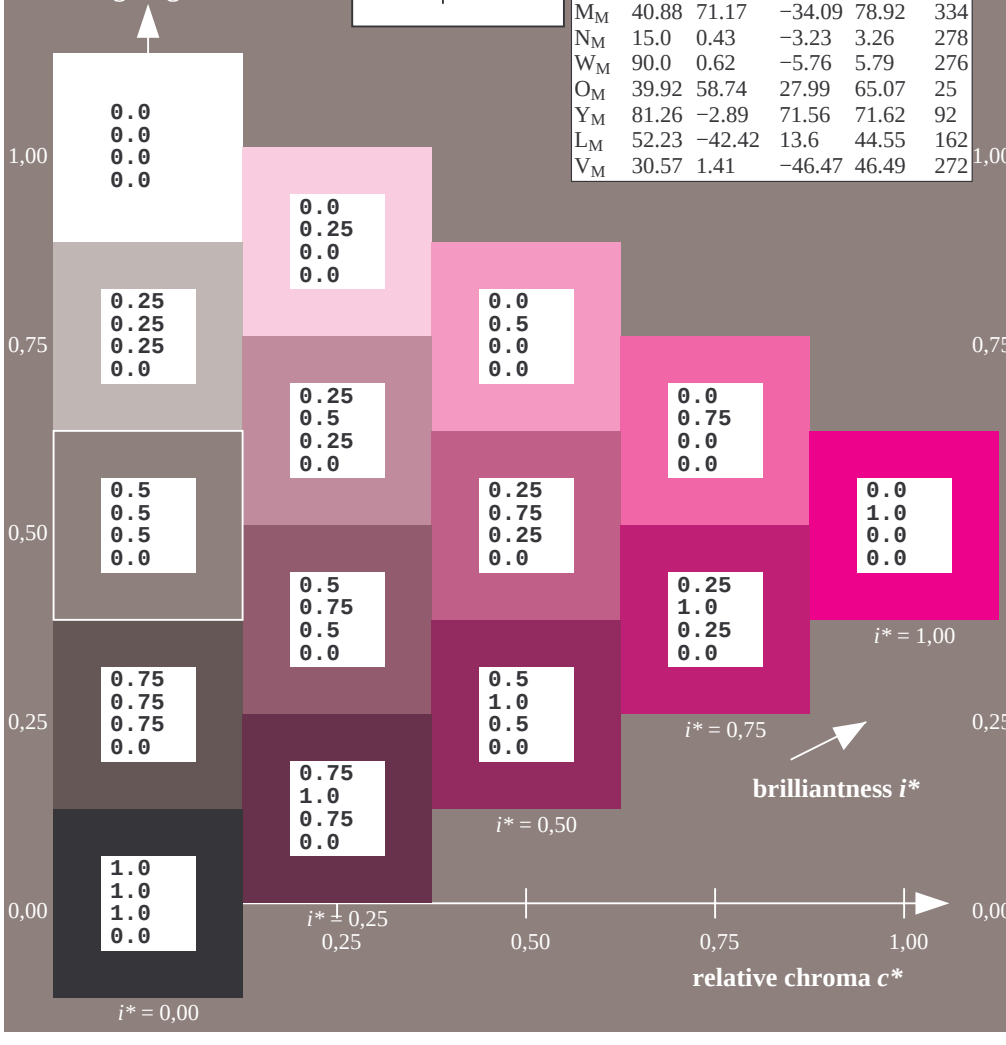
Data for maximum colour (Ma):
***LAB*LAB**Ma: 41 71 −30**
***LAB*LCH**Ma: 41 77 337**
***lab*olv**Ma: 1.0 0.0 1.0**
***lab*rgb**Ma: 1.0 0.0 0.85**
triangle lightness *t**

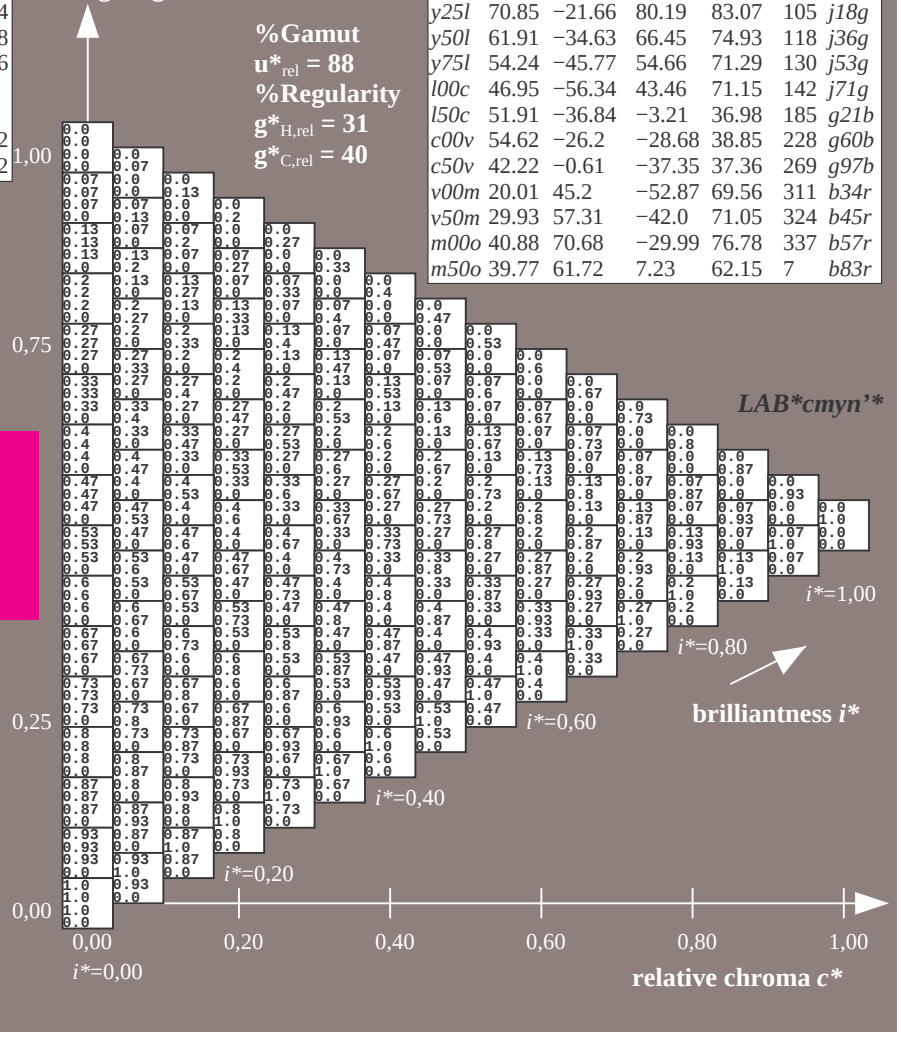
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = m00o
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

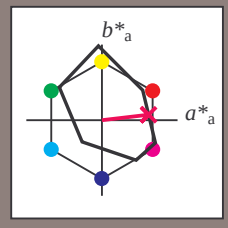
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*





Input and output: Colorimetric Printer Reflective System FRS09_92aM for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.019**

data for any colour:
lab*tch* **and** ***lab*icu****
Hue texts:
u^*_d = *m50o* u^*_e = *b83r*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS09_92aM; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	−4.04	92.72	92.8	92
L_M	46.95	−55.83	39.15	68.19	145
C_M	54.62	−25.67	−33.25	42.01	232
V_M	20.01	45.64	−56.27	72.45	309
M_M	40.88	71.17	−34.09	78.92	334
N_M	15.0	0.43	−3.23	3.26	278
W_M	90.0	0.62	−5.76	5.79	276
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	−2.89	71.56	71.62	92
L_M	52.23	−42.42	13.6	44.55	162
V_M	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
LAB*LAB*$_{Ma}$**: 40 62 7**
LAB*LCH*$_{Ma}$**: 40 62 6**
lab*olv*$_{Ma}$**: 1.0 0.0 0.5**
lab*rgb*$_{Ma}$**: 1.0 0.0 0.33**
triangle lightness *t**

%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40

u^*_d = m50o
LAB*cmyn'*

FRS09_92aM; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.8	53.92	39.68	66.95	36	*r16j*
o25y	47.46	42.34	51.25	66.48	50	*r37j*
o50y	56.54	30.2	63.39	70.22	65	*r58j*
o75y	67.39	15.68	77.9	79.47	79	*r79j*
y00l	82.58	−4.64	98.22	98.33	93	*j01g*
y25l	70.85	−21.66	80.19	83.07	105	*j18g*
y50l	61.91	−34.63	66.45	74.93	118	*j36g*
y75l	54.24	−45.77	54.66	71.29	130	*j53g*
l00c	46.95	−56.34	43.46	71.15	142	*j71g*
l50c	51.91	−36.84	−3.21	36.98	185	*g21b*
c00v	54.62	−26.2	−28.68	38.85	228	*g60b*
c50v	42.22	−0.61	−37.35	37.36	269	*g97b*
v00m	20.01	45.2	−52.87	69.56	311	*b34r*
v50m	29.93	57.31	−42.0	71.05	324	*b45r*
m00o	40.88	70.68	−29.99	76.78	337	*b57r*
m50o	39.77	61.72	7.23	62.15	7	*b83r*