

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

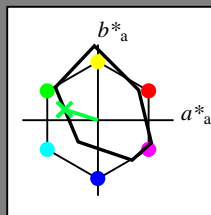
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness  $t^*$



FRS12\_95a; adapted (a) CIELAB data

$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

%Regularity

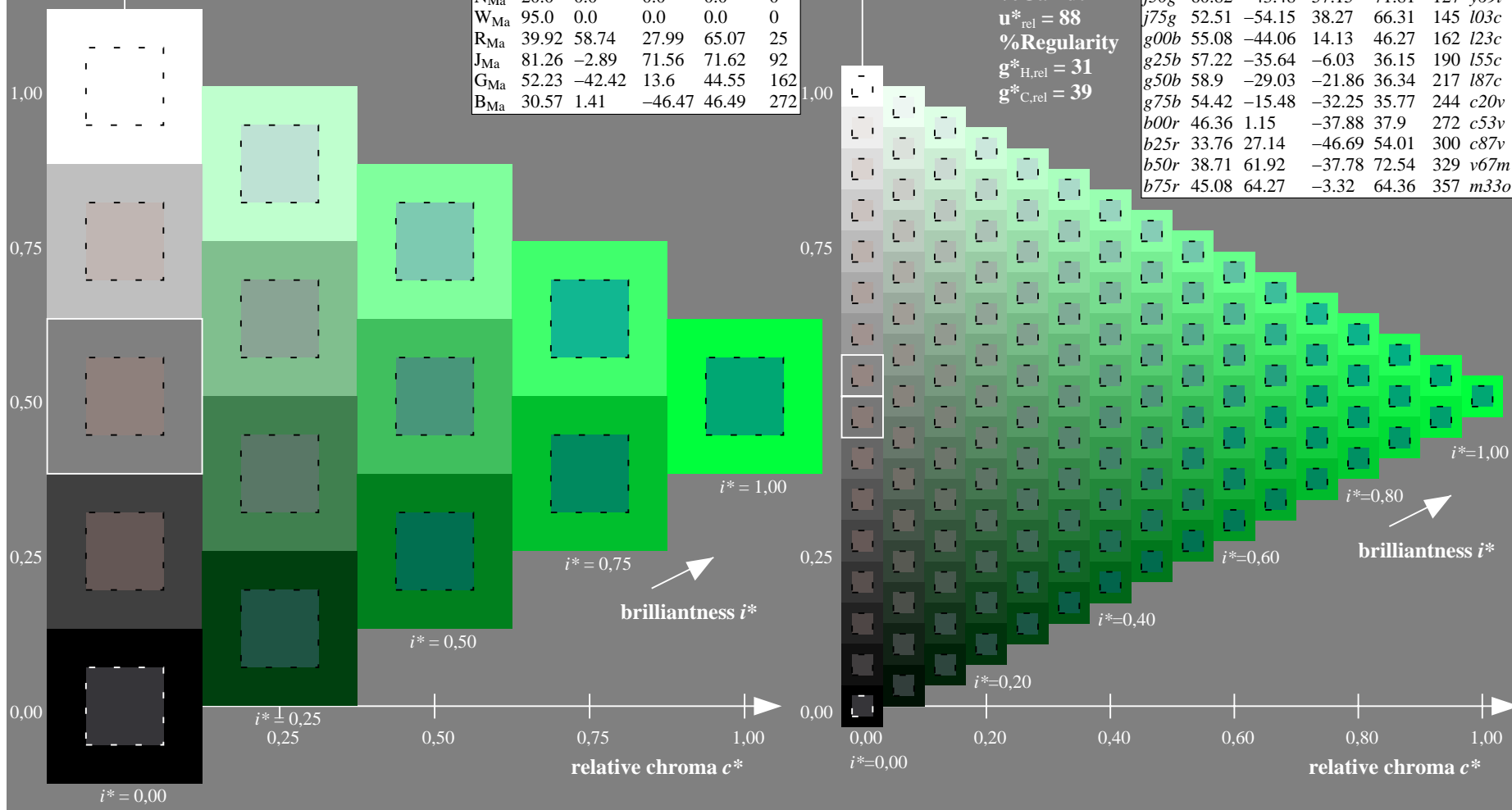
$g^*_{H,rel} = 31$

$g^*_{C,rel} = 39$

FRS12\_95a; adapted (a) CIELAB data

$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o

$u^*_e = g00b$



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

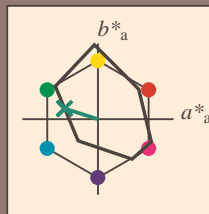
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 55 -44 14$

$LAB^*LCH^*_{Ma}: 55 46 162$

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

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

triangle lightness  $t^*$

%Gamut

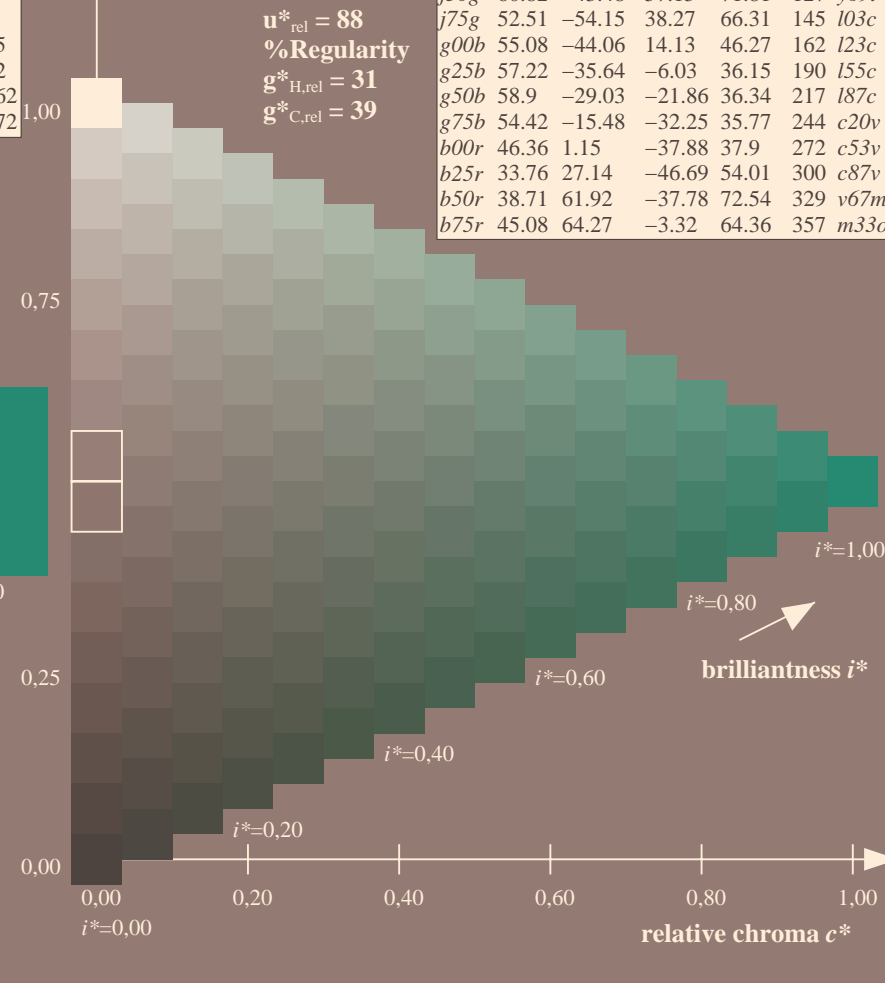
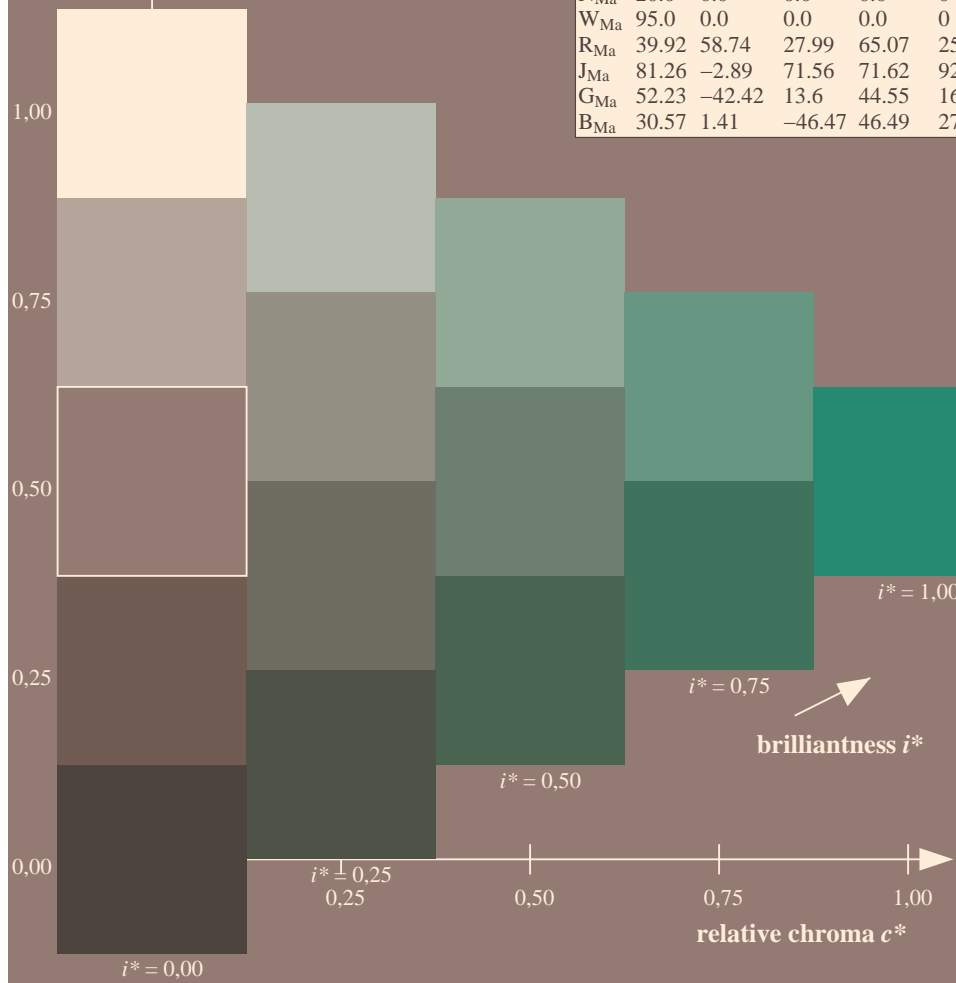
$u^*_{rel} = 88$

%Regularity

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

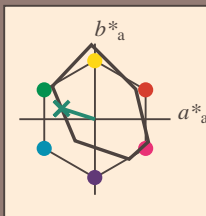
$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

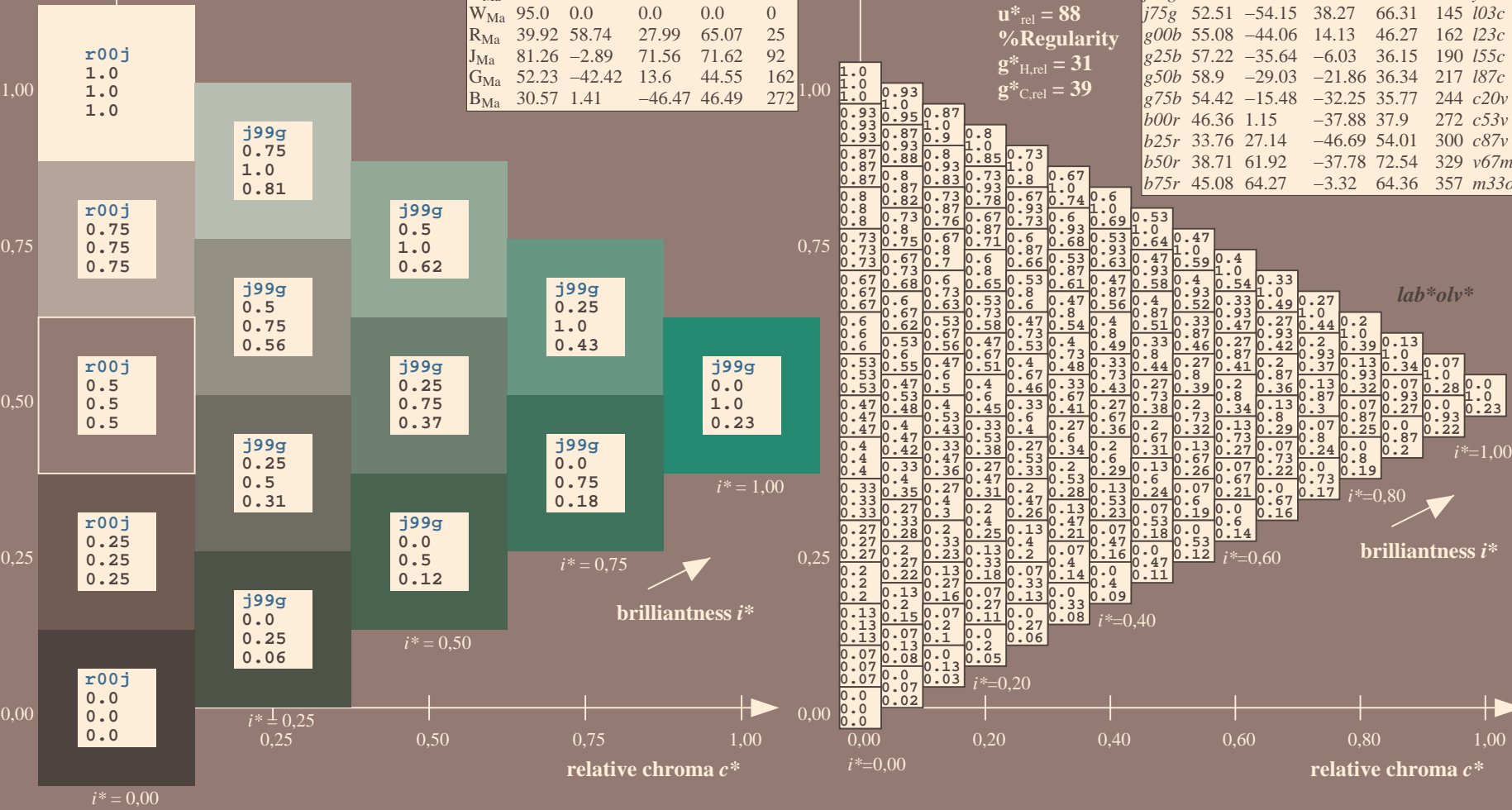
$u^*_{rel} = 88$

%Regularity

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

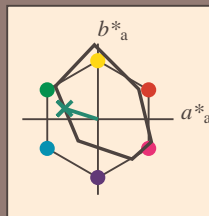
$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

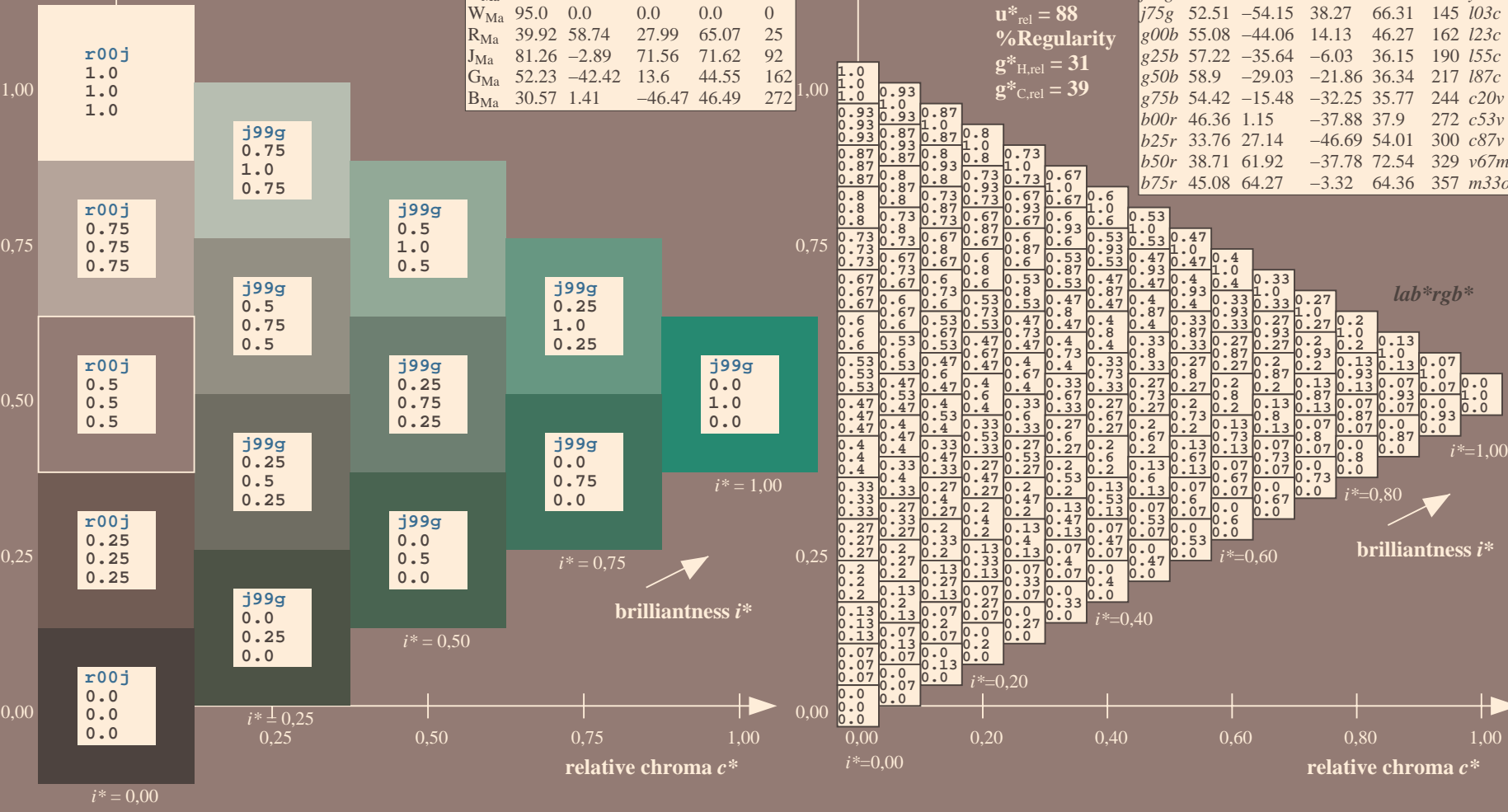
%Regularity

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

$g^*_{C,rel} = 39$

FRS12\_95a; adapted (a) CIELAB data

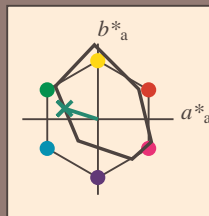
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$
r00j	44.18	56.95	27.14	63.08	25	m81o	
r25j	47.38	49.13	44.53	66.31	42	o10y	
r50j	57.76	35.24	58.41	68.22	59	o40y	
r75j	69.81	19.13	74.52	76.94	76	o69y	
j00g	87.06	-3.94	97.58	97.66	92	o98y	
j25g	72.25	-26.89	74.73	79.42	110	y34l	
j50g	60.82	-43.48	57.15	71.81	127	y69l	
j75g	52.51	-54.15	38.27	66.31	145	l03c	
g00b	55.08	-44.06	14.13	46.27	162	l23c	
g25b	57.22	-35.64	-6.03	36.15	190	l55c	
g50b	58.9	-29.03	-21.86	36.34	217	l87c	
g75b	54.42	-15.48	-32.25	35.77	244	c20v	
b00r	46.36	1.15	-37.88	37.9	272	c53v	
b25r	33.76	27.14	-46.69	54.01	300	c87v	
b50r	38.71	61.92	-37.78	72.54	329	v67m	
b75r	45.08	64.27	-3.32	64.36	357	m33o	





Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

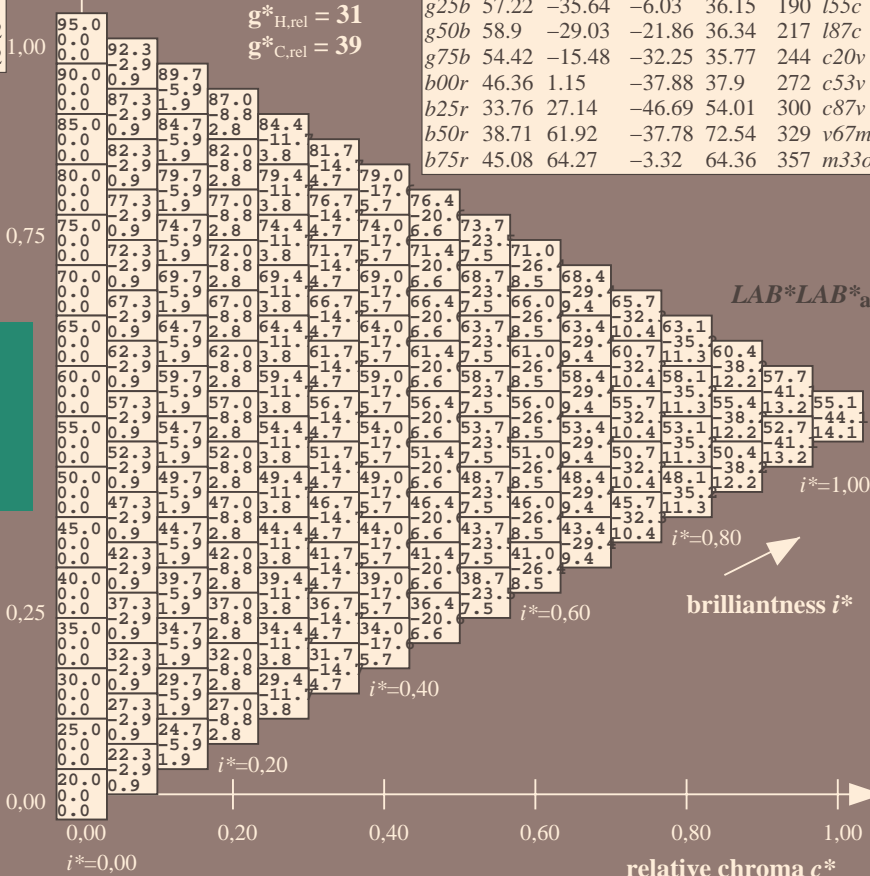
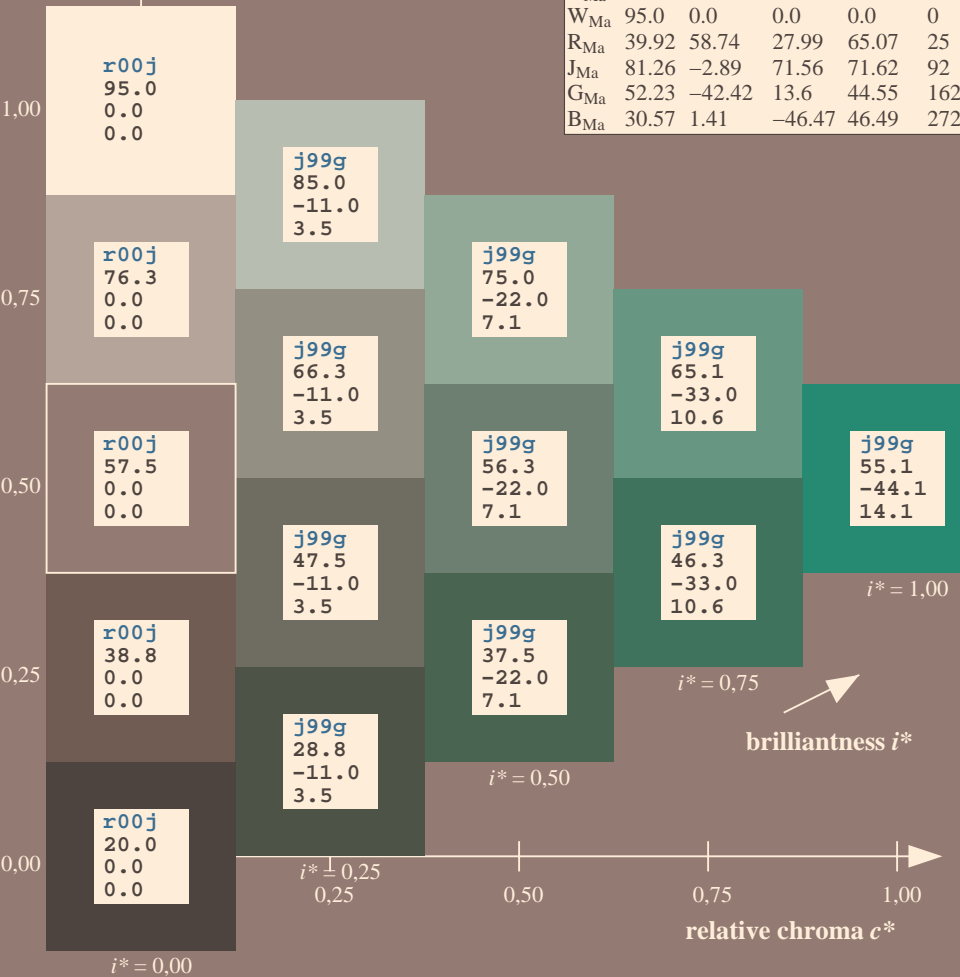
$u^*_{rel} = 88$

%Regularity

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

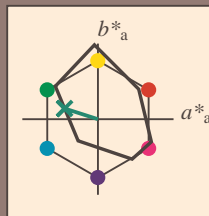
$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data						
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



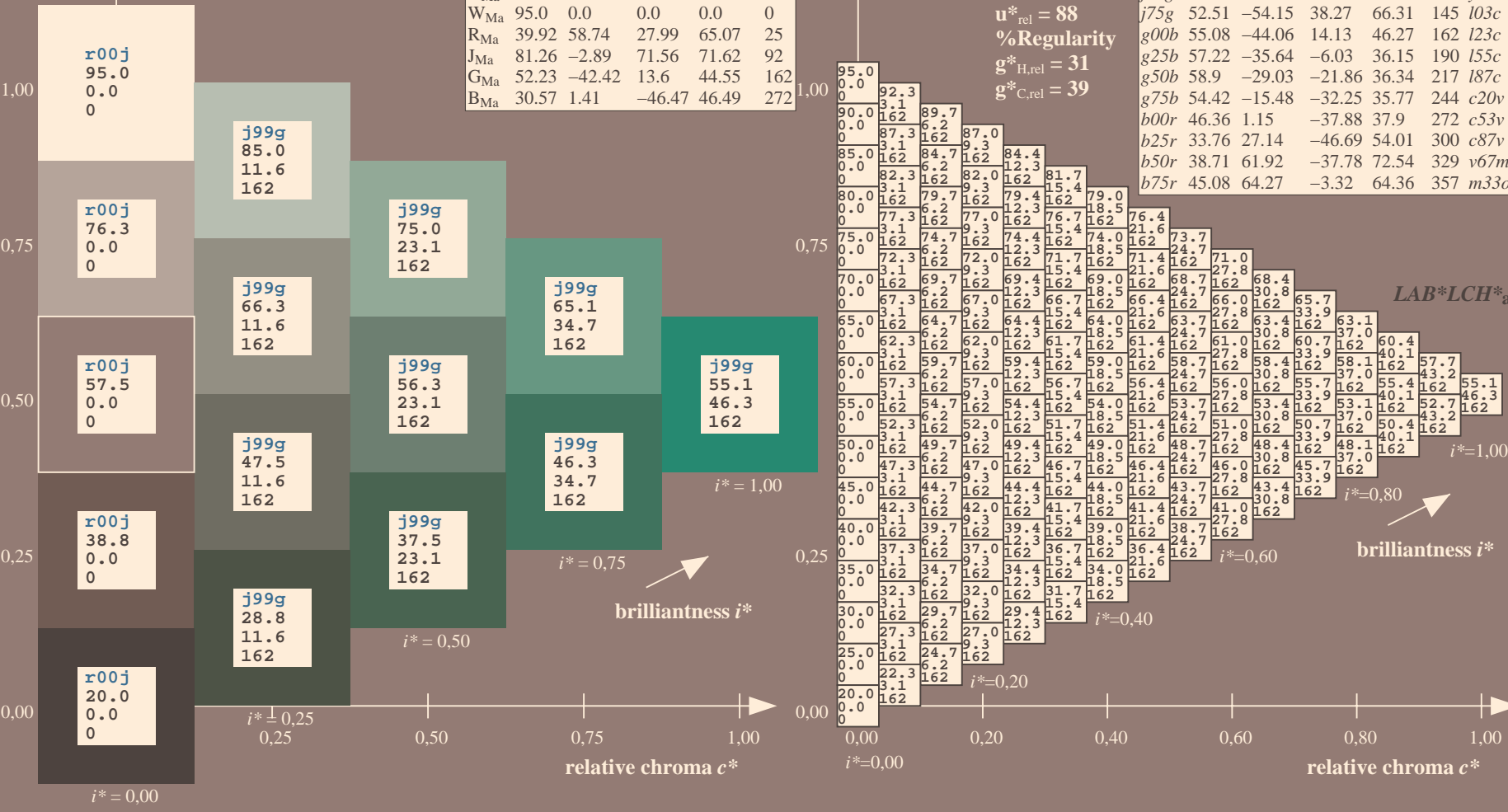
FRS12_95a; adapted (a) CIELAB data						
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14  
 $LAB^*LCH^*_{Ma}$ : 55 46 162  
 $lab^*rgb^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.23  
triangle lightness  $t^*$

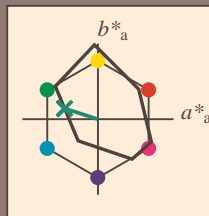
%Gamut  
 $u^*_{rel} = 88$   
%Regularity  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data						
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

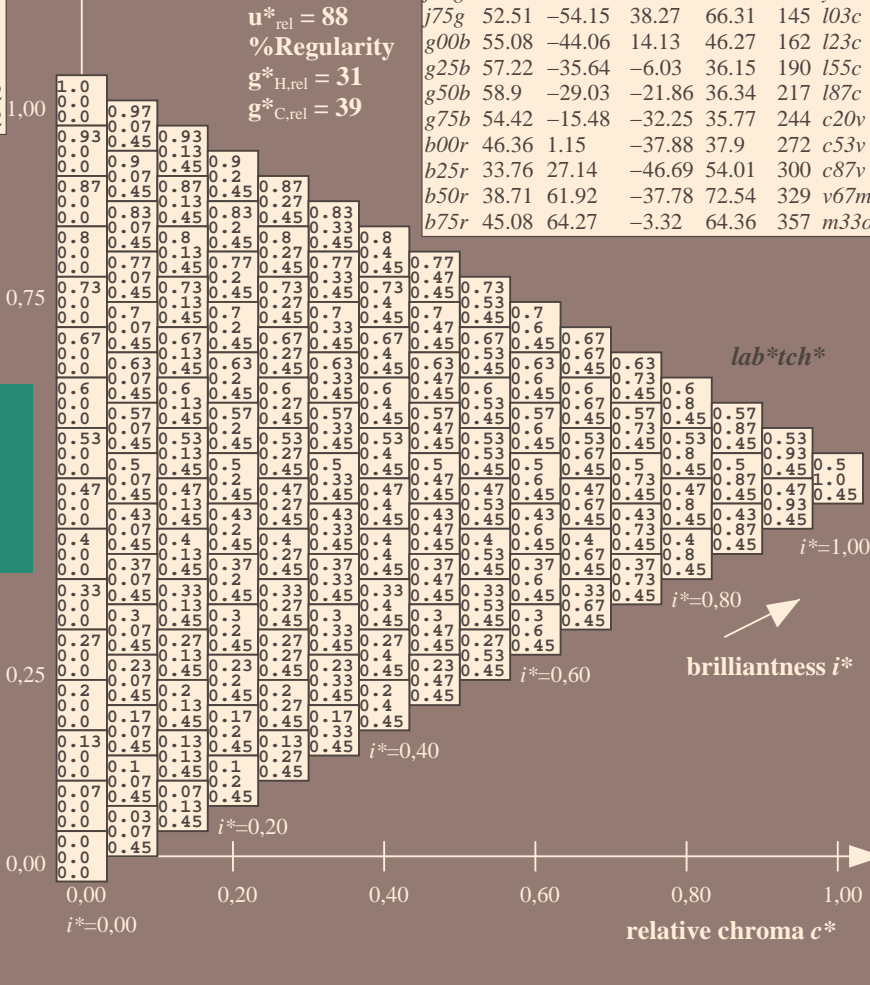
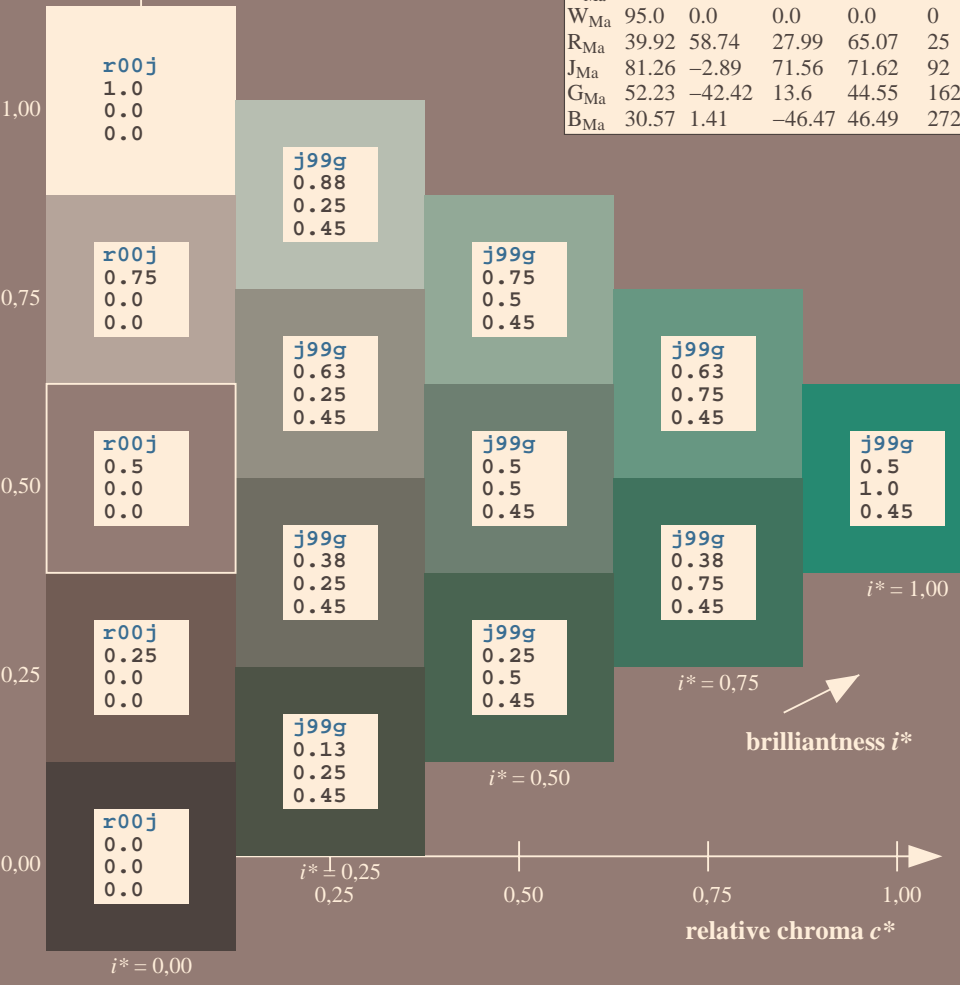
%Regularity

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

$g^*_{C,rel} = 39$

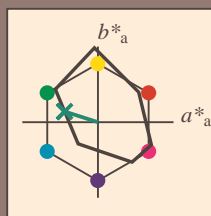
FRS12_95a; adapted (a) CIELAB data							
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$

r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
R <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
J <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 55 -44 14

$LAB^*LCH^*_{Ma}$ : 55 46 162

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

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

triangle lightness  $t^*$

%Gamut

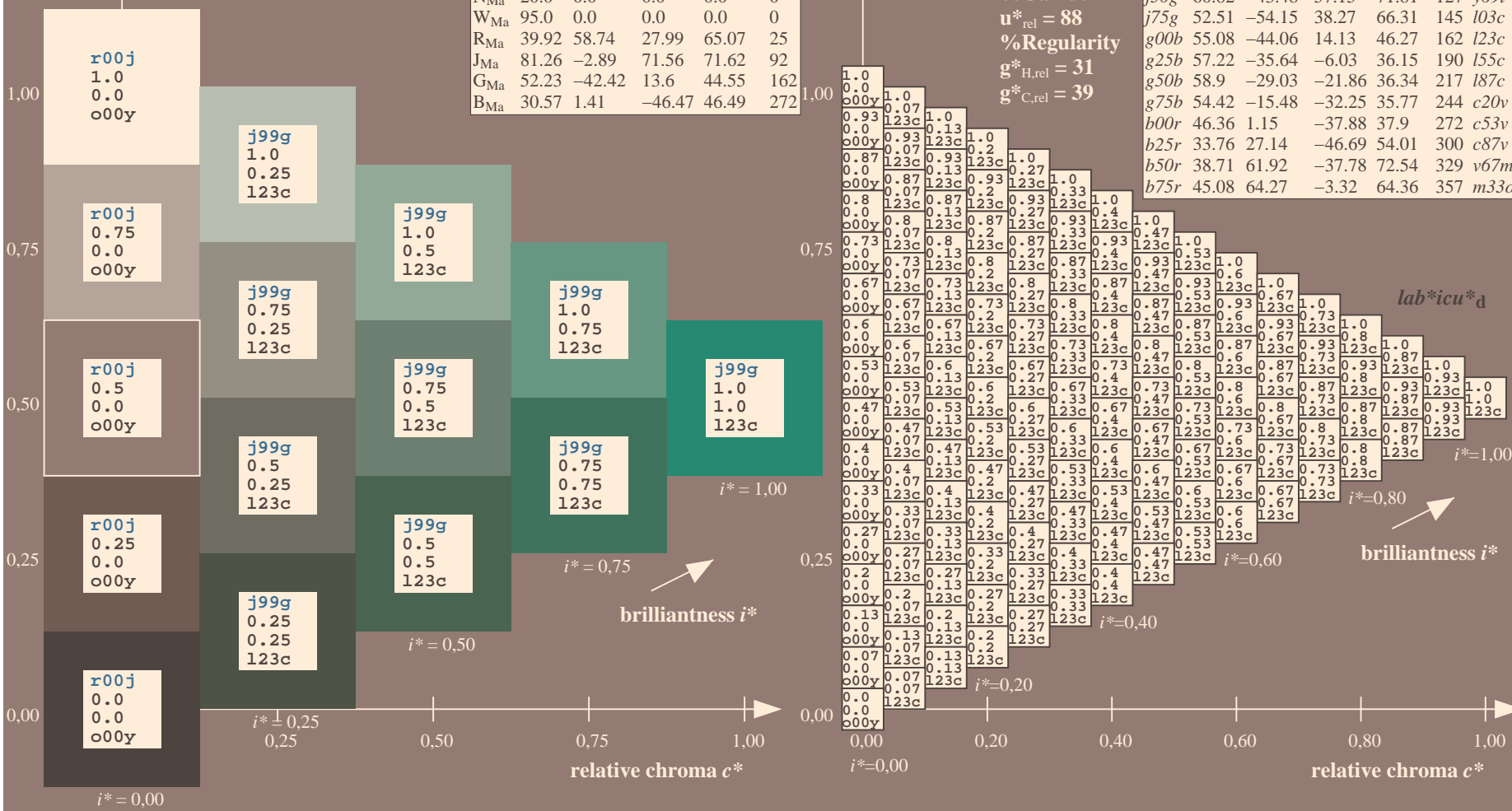
$u^*_{rel} = 88$

%Regularity

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

$g^*_{C,rel} = 39$

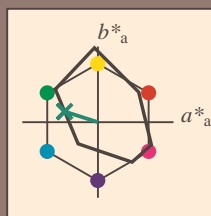
FRS12_95a; adapted (a) CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95; CIELAB data						
$u^*_e$	$L^*=L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$	
O <sub>M</sub>	43.8	54.41	32.95	63.61	31	
Y <sub>M</sub>	87.58	-4.04	90.02	90.11	93	
L <sub>M</sub>	51.95	-55.83	36.46	66.68	147	
C <sub>M</sub>	59.62	-25.67	-35.94	44.17	234	
V <sub>M</sub>	25.01	45.64	-58.96	74.57	308	
M <sub>M</sub>	45.88	71.17	-36.79	80.12	333	
N <sub>M</sub>	20.0	0.43	-5.99	6.01	274	
W <sub>M</sub>	95.0	0.62	-8.52	8.54	274	
R <sub>M</sub>	39.92	58.74	27.99	65.07	25	
J <sub>M</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>M</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>M</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 55 -44 14$

$LAB^*LCH^*Ma: 55 46 162$

$lab^*rgb^*Ma: 0.0 1.0 0.0$

$lab^*olv^*Ma: 0.0 1.0 0.23$

triangle lightness  $t^*$

%Gamut

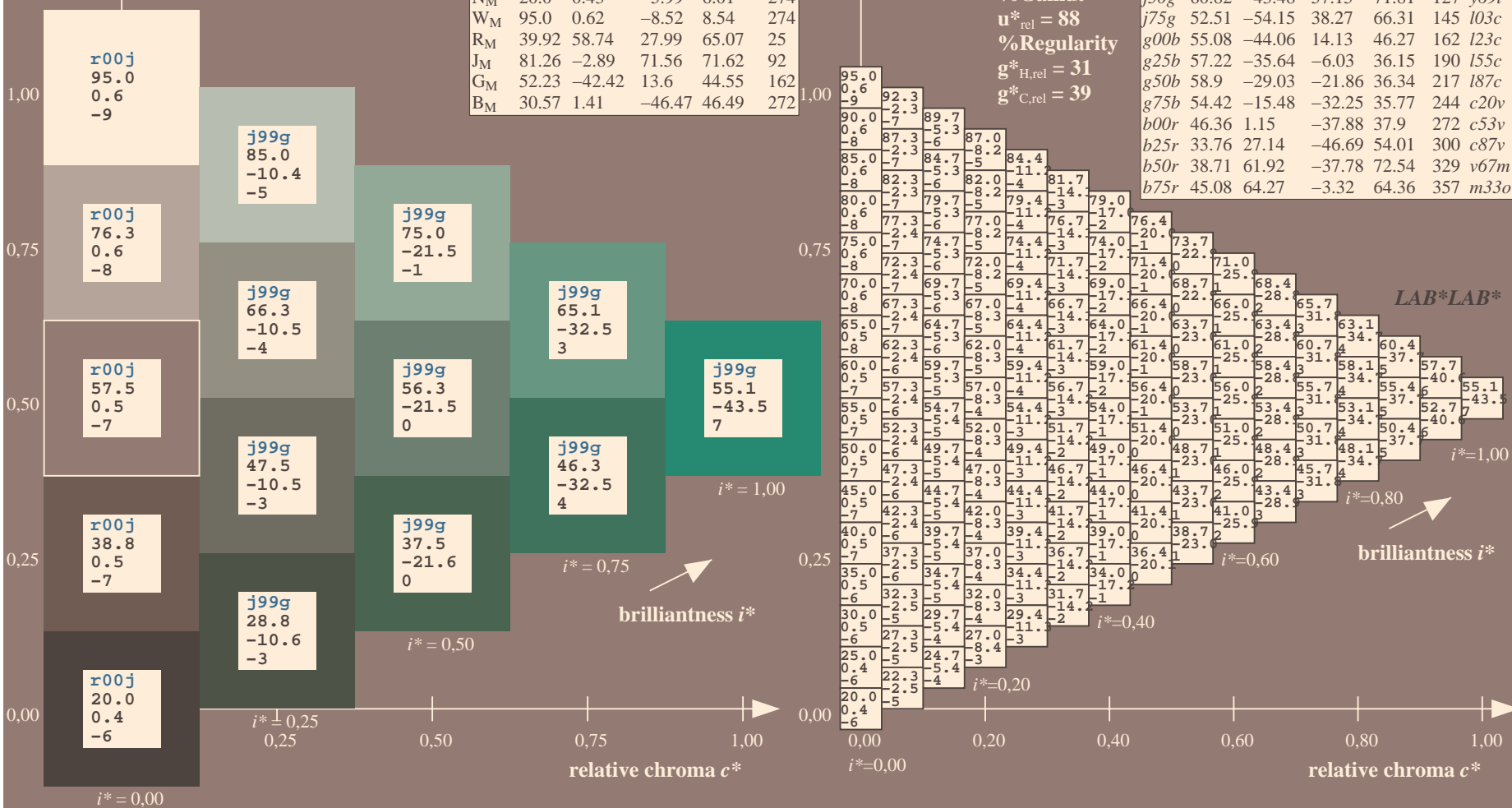
$u^*_{rel} = 88$

%Regularity

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

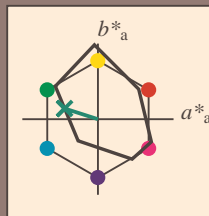
$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data							
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$	
r00j	44.18	56.95	27.14	63.08	25	m81o	
r25j	47.38	49.13	44.53	66.31	42	o10y	
r50j	57.76	35.24	58.41	68.22	59	o40y	
r75j	69.81	19.13	74.52	76.94	76	o69y	
j00g	87.06	-3.94	97.58	97.66	92	o98y	
j25g	72.25	-26.89	74.73	79.42	110	y34l	
j50g	60.82	-43.48	57.15	71.81	127	y69l	
j75g	52.51	-54.15	38.27	66.31	145	l03c	
g00b	55.08	-44.06	14.13	46.27	162	l23c	
g25b	57.22	-35.64	-6.03	36.15	190	l55c	
g50b	58.9	-29.03	-21.86	36.34	217	l87c	
g75b	54.42	-15.48	-32.25	35.77	244	c20v	
b00r	46.36	1.15	-37.88	37.9	272	c53v	
b25r	33.76	27.14	-46.69	54.01	300	c87v	
b50r	38.71	61.92	-37.78	72.54	329	v67m	
b75r	45.08	64.27	-3.32	64.36	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$   
data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_e = g00b$   $u^*_d = l23c$   
contrast reduction factor:  
 $c_R = 0.9$   
triangle lightness  $t^*$



FRS12_95a; CIELAB data						
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab}$	$h^*_{ab}$
O <sub>M</sub>	43.8	54.41	32.95	63.61	63.61	31
Y <sub>M</sub>	87.58	-4.04	90.02	90.11	90.11	93
L <sub>M</sub>	51.95	-55.83	36.46	66.68	66.68	147
C <sub>M</sub>	59.62	-25.67	-35.94	44.17	44.17	234
V <sub>M</sub>	25.01	45.64	-58.96	74.57	74.57	308
M <sub>M</sub>	45.88	71.17	-36.79	80.12	80.12	333
N <sub>M</sub>	20.0	0.43	-5.99	6.01	6.01	274
W <sub>M</sub>	95.0	0.62	-8.52	8.54	8.54	274
R <sub>M</sub>	39.92	58.74	27.99	65.07	65.07	25
J <sub>M</sub>	81.26	-2.89	71.56	71.62	71.62	92
G <sub>M</sub>	52.23	-42.42	13.6	44.55	44.55	162
B <sub>M</sub>	30.57	1.41	-46.47	46.49	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 55 -44 14$

$LAB^*LCH^*_{Ma}: 55 46 162$

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

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

triangle lightness  $t^*$

%Gamut

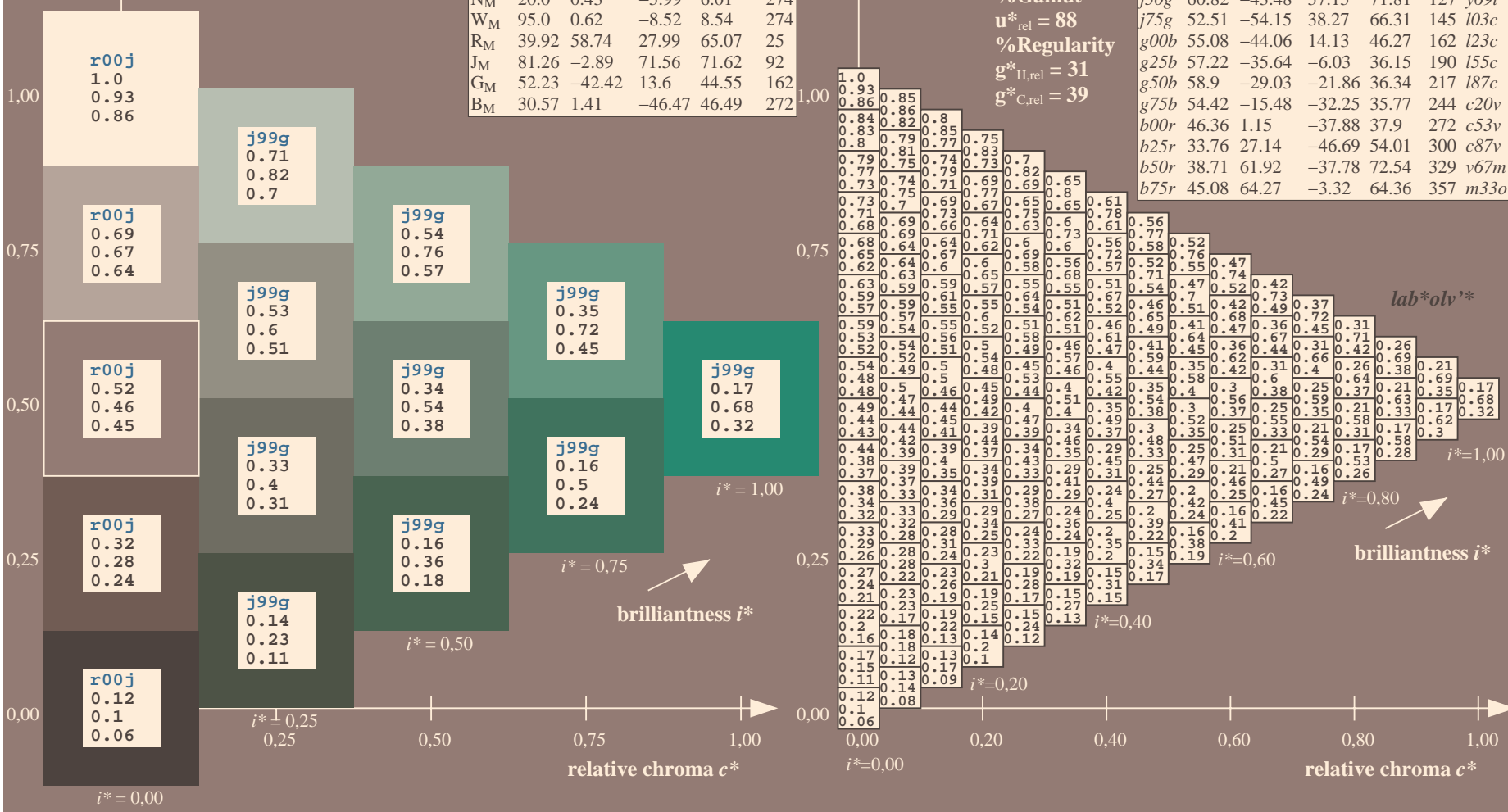
$u^*_{rel} = 88$

%Regularity

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

$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data							
	$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$
r00j	44.18	56.95	27.14	63.08	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76.94	76	o69y
j00g	87.06	-3.94	97.58	97.66	97.66	92	o98y
j25g	72.25	-26.89	74.73	79.42	79.42	110	y34l
j50g	60.82	-43.48	57.15	71.81	71.81	127	y69l
j75g	52.51	-54.15	38.27	66.31	66.31	145	l03c
g00b	55.08	-44.06	14.13	46.27	46.27	162	l23c
g25b	57.22	-35.64	-6.03	36.15	36.15	190	l55c
g50b	58.9	-29.03	-21.86	36.34	36.34	217	l87c
g75b	54.42	-15.48	-32.25	35.77	35.77	244	c20v
b00r	46.36	1.15	-37.88	37.9	37.9	272	c53v
b25r	33.76	27.14	-46.69	54.01	54.01	300	c87v
b50r	38.71	61.92	-37.78	72.54	72.54	329	v67m
b75r	45.08	64.27	-3.32	64.36	64.36	357	m33o



Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab^*tch^*$  and  $lab^*icu^*$

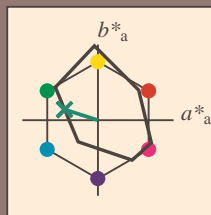
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness  $t^*$



FRS12_95a; CIELAB data						
$u^*_e$	$L^*=L^*$	$a^*$	$b^*$	$C^*_{ab}$	$h^*_{ab}$	
O <sub>M</sub>	43.8	54.41	32.95	63.61	31	
Y <sub>M</sub>	87.58	-4.04	90.02	90.11	93	
L <sub>M</sub>	51.95	-55.83	36.46	66.68	147	
C <sub>M</sub>	59.62	-25.67	-35.94	44.17	234	
V <sub>M</sub>	25.01	45.64	-58.96	74.57	308	
M <sub>M</sub>	45.88	71.17	-36.79	80.12	333	
N <sub>M</sub>	20.0	0.43	-5.99	6.01	274	
W <sub>M</sub>	95.0	0.62	-8.52	8.54	274	
R <sub>M</sub>	39.92	58.74	27.99	65.07	25	
J <sub>M</sub>	81.26	-2.89	71.56	71.62	92	
G <sub>M</sub>	52.23	-42.42	13.6	44.55	162	
B <sub>M</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 55 -44 14$

$LAB^*LCH^*Ma: 55 46 162$

$lab^*rgb^*Ma: 0.0 1.0 0.0$

$lab^*olv^*Ma: 0.0 1.0 0.23$

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

%Regularity

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

$g^*_{C,rel} = 39$

FRS12_95a; adapted (a) CIELAB data							
$u^*_e$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_d$	
r00j	44.18	56.95	27.14	63.08	25	m81o	
r25j	47.38	49.13	44.53	66.31	42	o10y	
r50j	57.76	35.24	58.41	68.22	59	o40y	
r75j	69.81	19.13	74.52	76.94	76	o69y	
j00g	87.06	-3.94	97.58	97.66	92	o98y	
j25g	72.25	-26.89	74.73	79.42	110	y34l	
j50g	60.82	-43.48	57.15	71.81	127	y69l	
j75g	52.51	-54.15	38.27	66.31	145	l03c	
g00b	55.08	-44.06	14.13	46.27	162	l23c	
g25b	57.22	-35.64	-6.03	36.15	190	l55c	
g50b	58.9	-29.03	-21.86	36.34	217	l87c	
g75b	54.42	-15.48	-32.25	35.77	244	c20v	
b00r	46.36	1.15	-37.88	37.9	272	c53v	
b25r	33.76	27.14	-46.69	54.01	300	c87v	
b50r	38.71	61.92	-37.78	72.54	329	v67m	
b75r	45.08	64.27	-3.32	64.36	357	m33o	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness  $i^*$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma  $c^*$

relative chroma  $c^*$