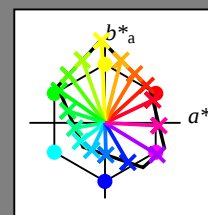


Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

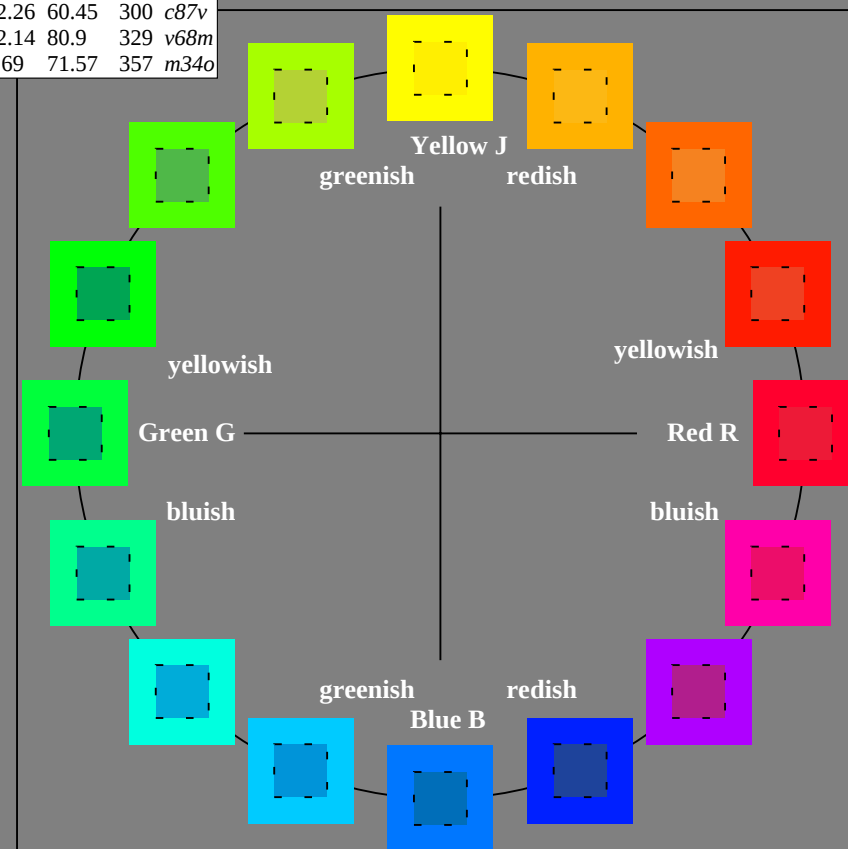
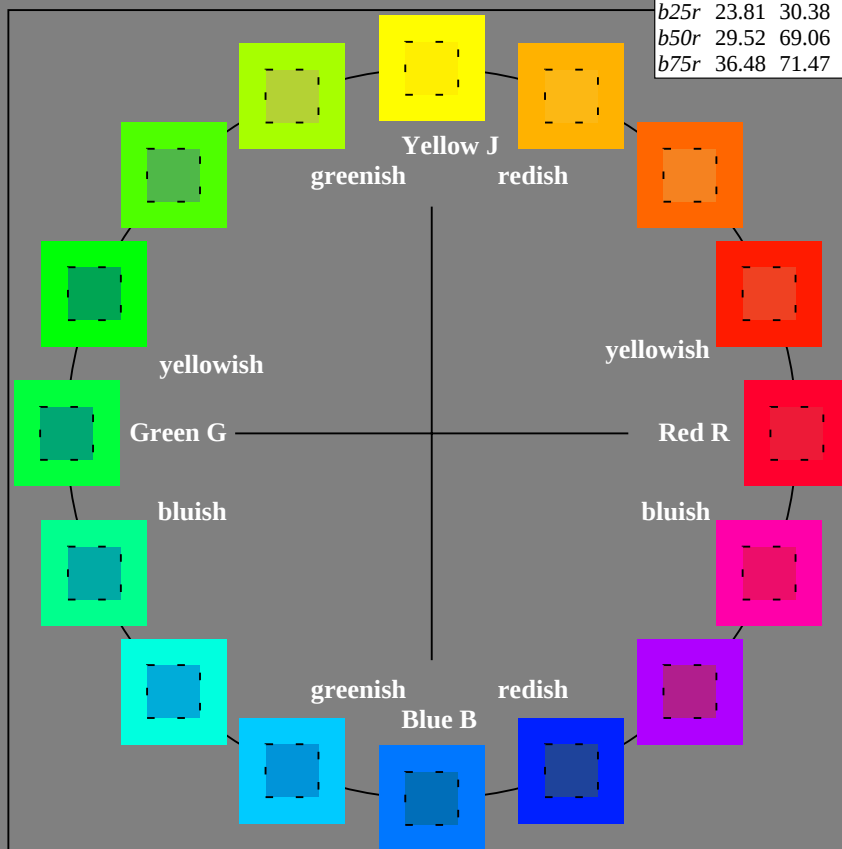
%Regularity

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

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

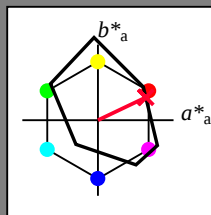
FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r00j$ $u_d^* = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

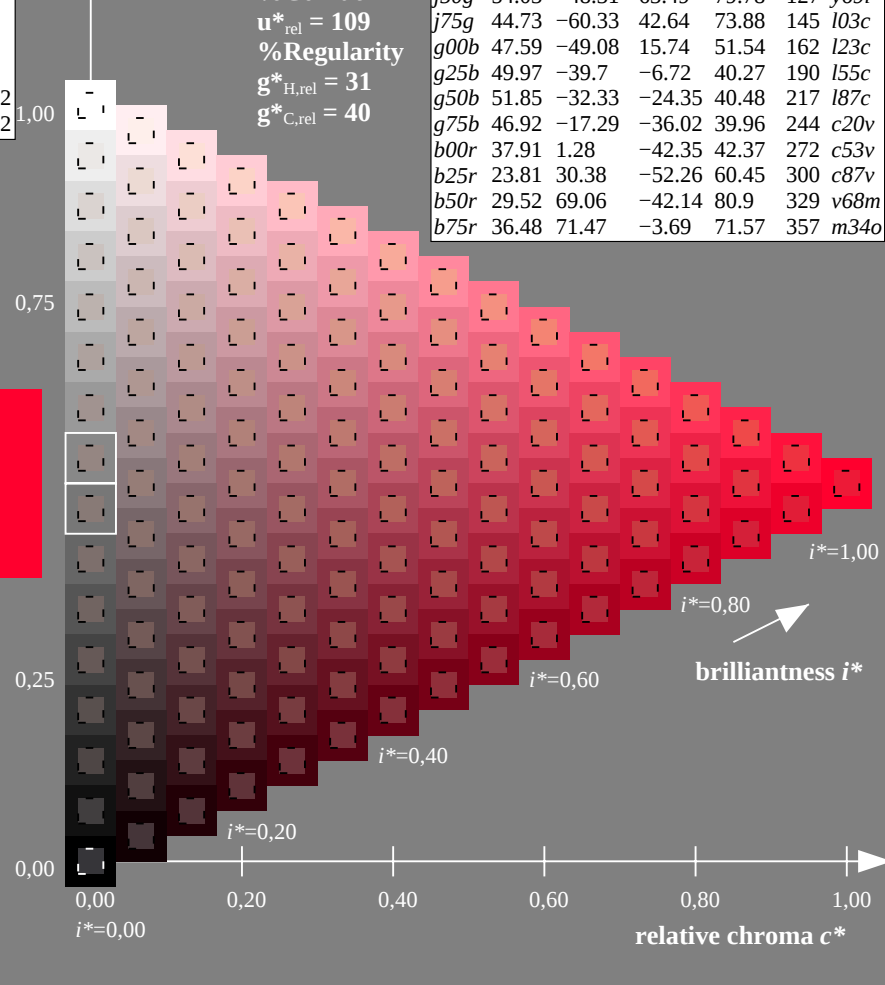
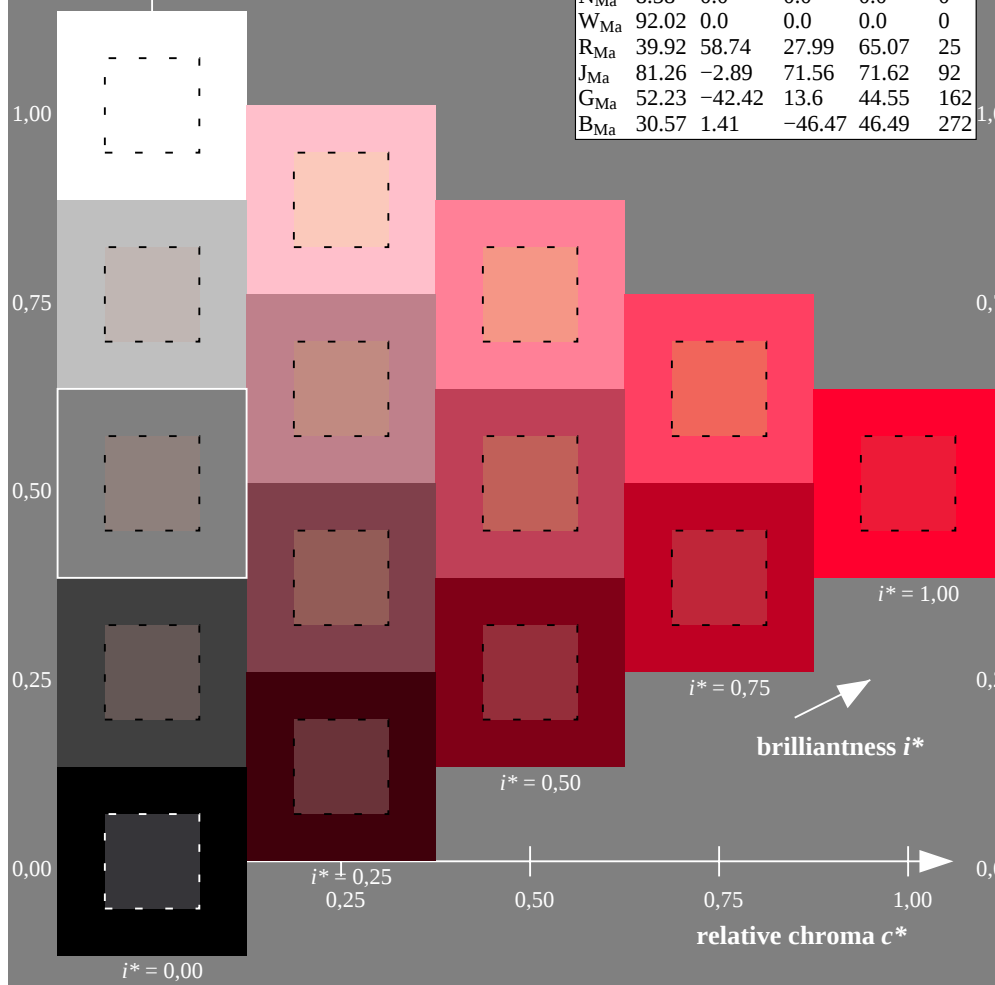
$u^*_{rel} = 109$

%Regularity

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

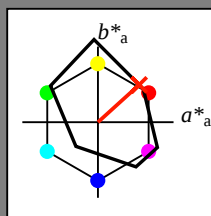
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



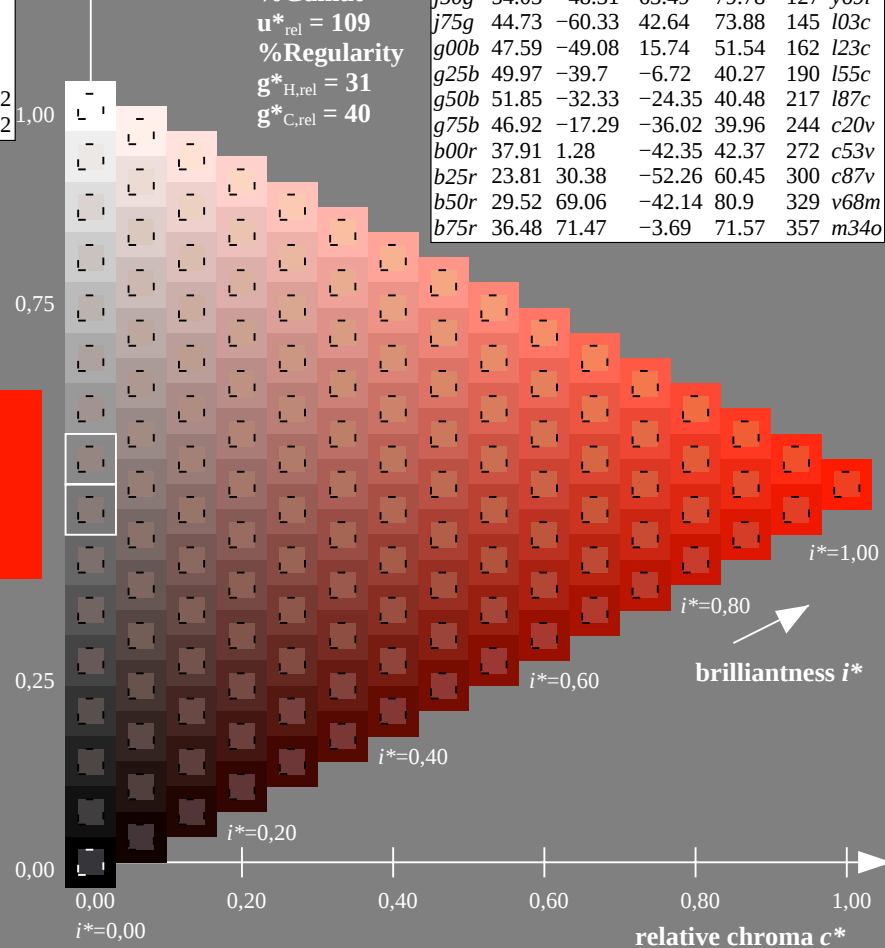
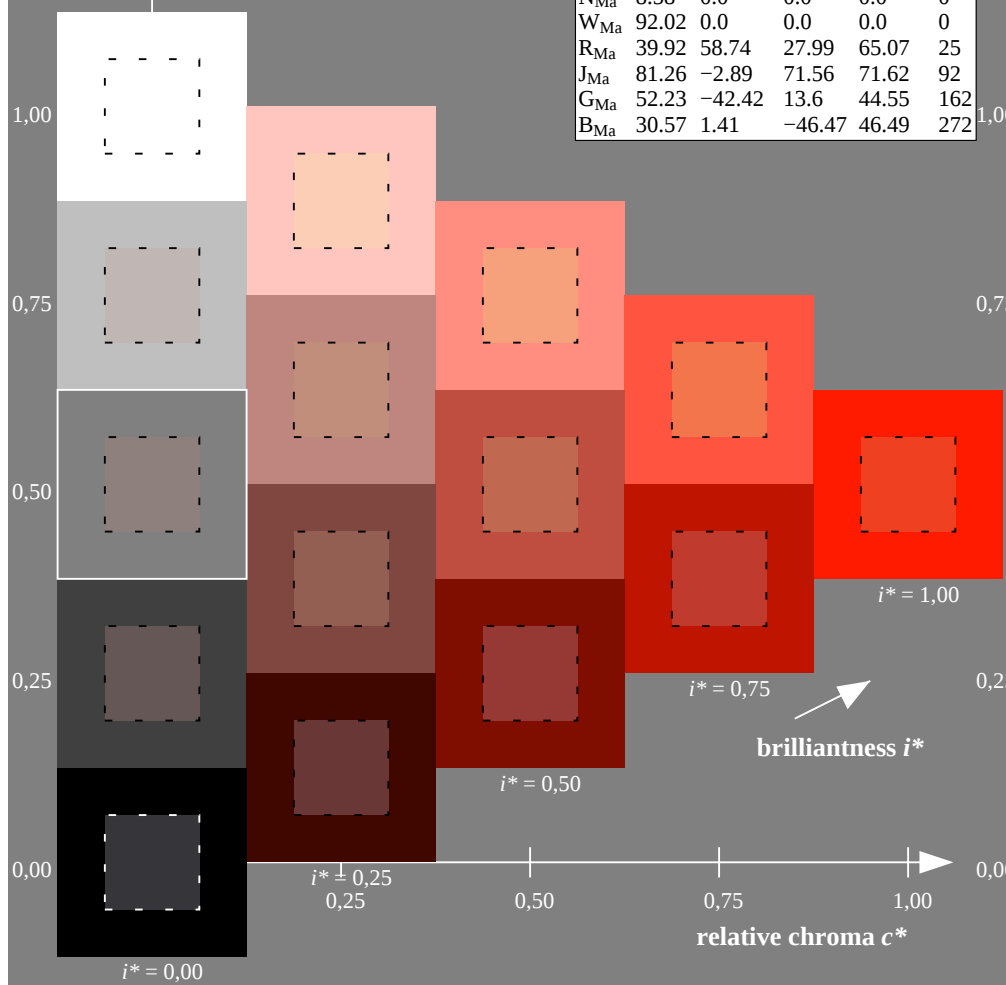
FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

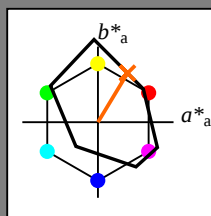
%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r50j$ $u_d^* = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 51 39 65

LAB^*LCH^*Ma : 51 76 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

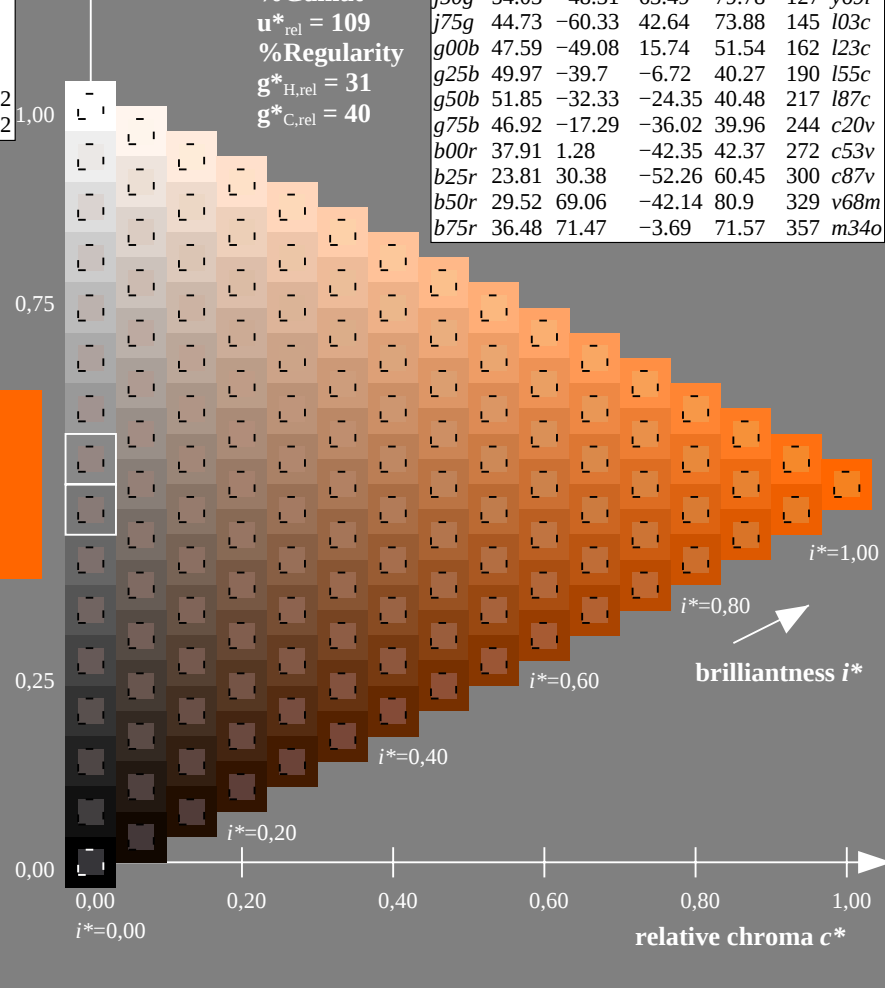
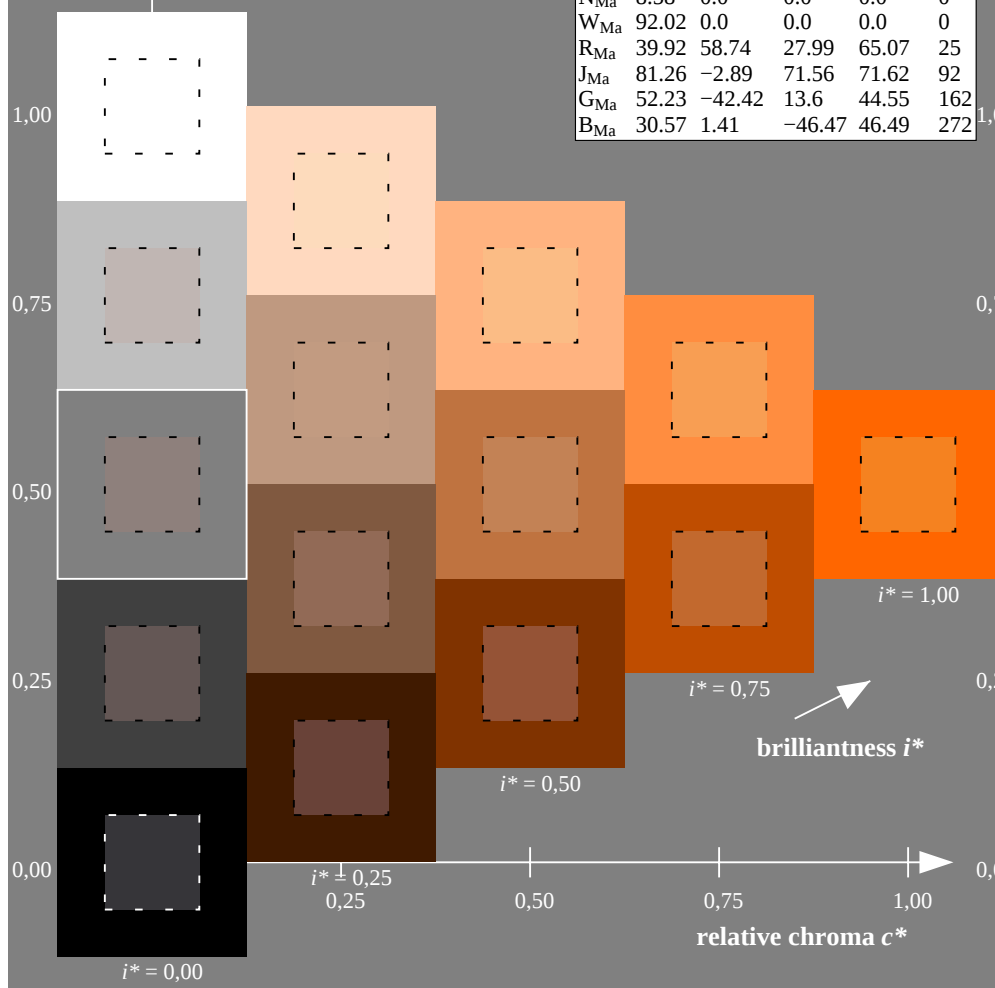
$u_{rel}^* = 109$

%Regularity

$g_{H,rel}^* = 31$

$g_{C,rel}^* = 40$

FRS09_92a; adapted (a) CIELAB data							
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:

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

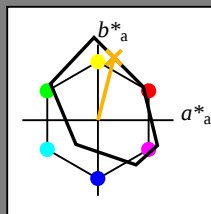
Hue texts:

$u^*_e = r75j$ $u^*_d = o69y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

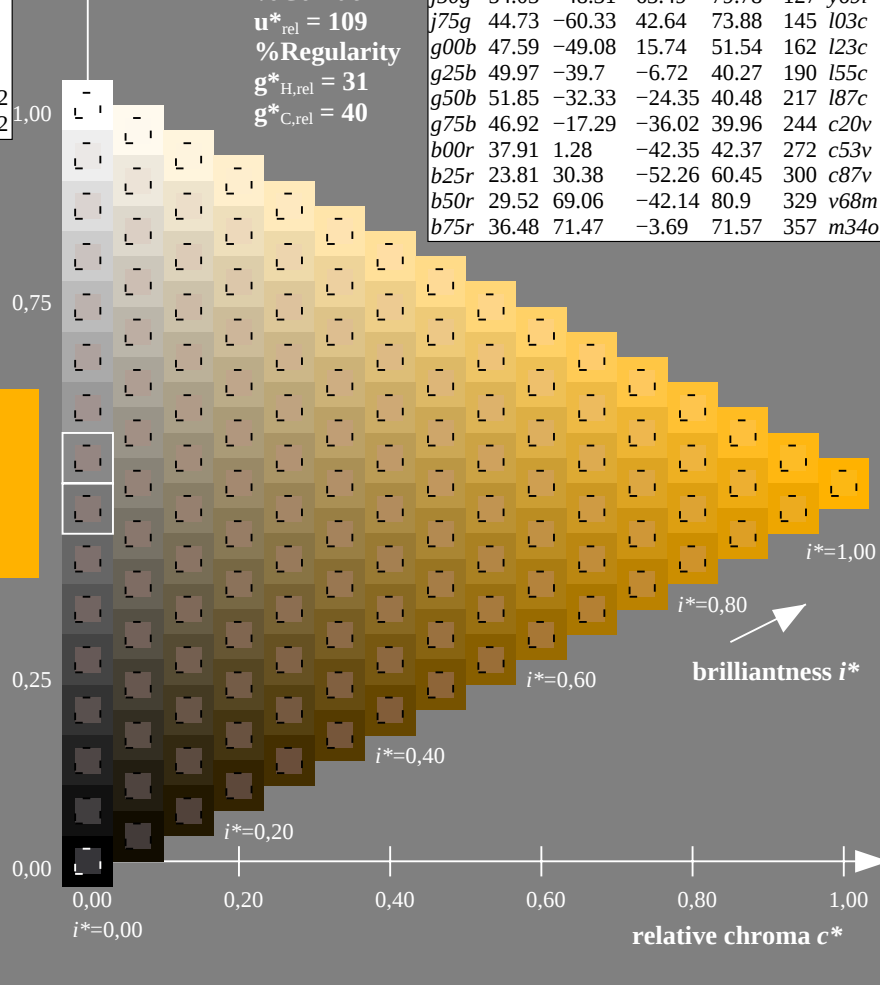
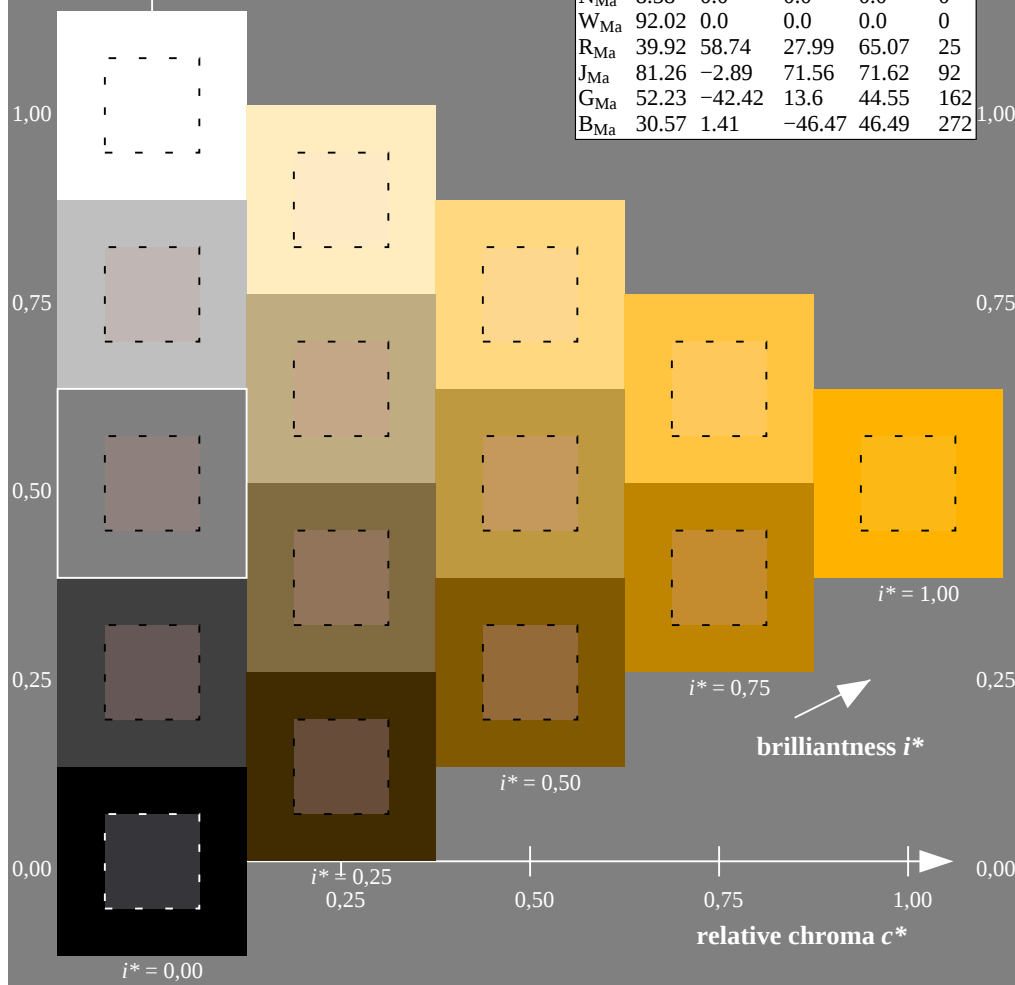
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:

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

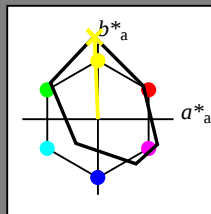
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

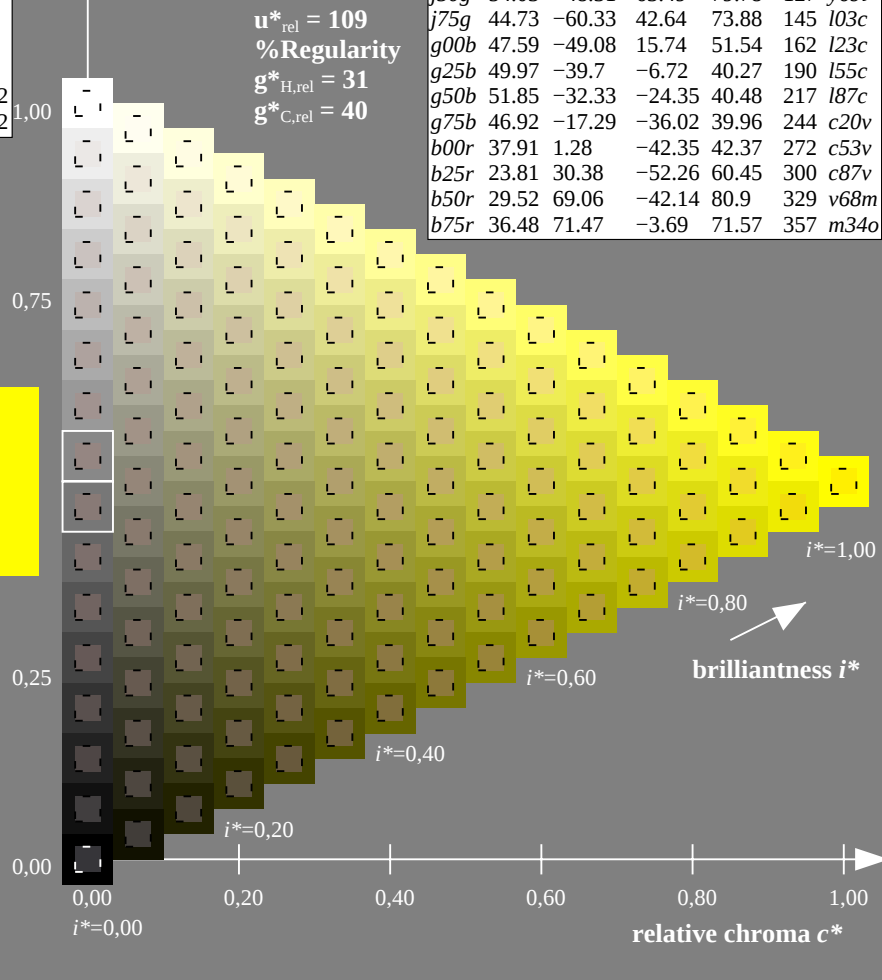
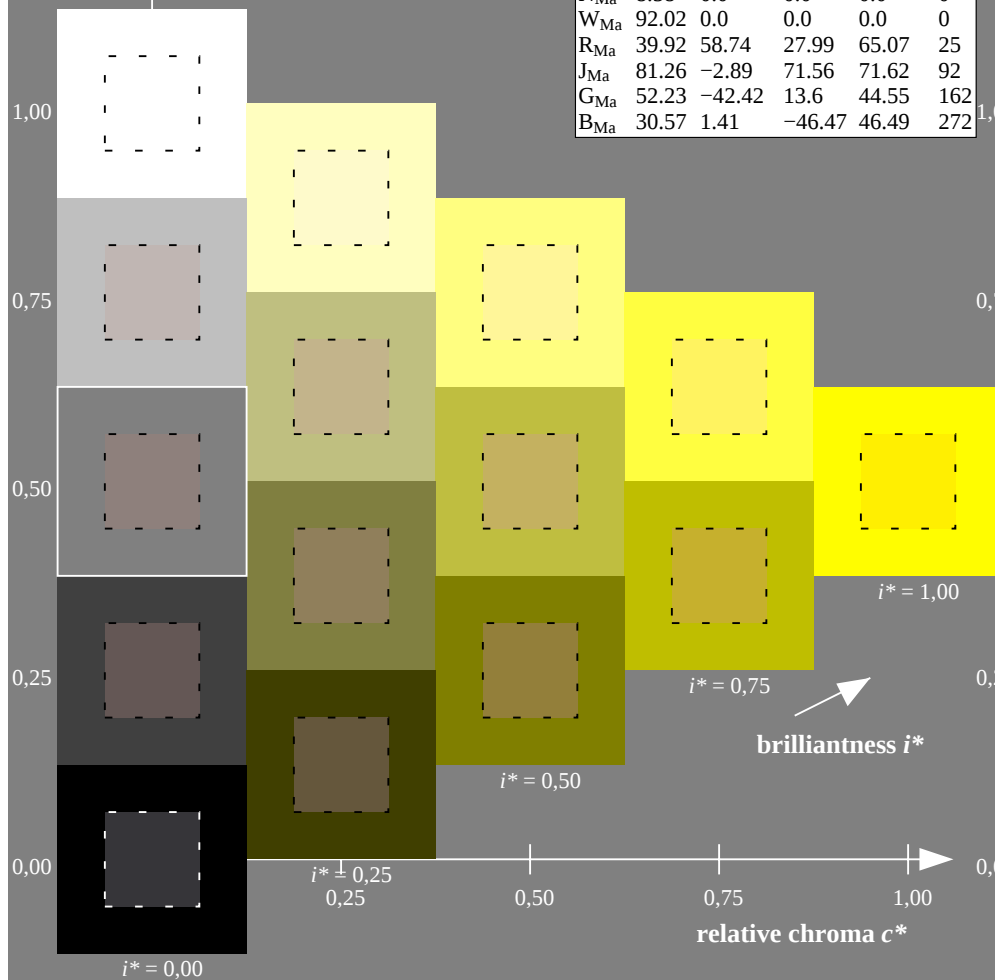
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

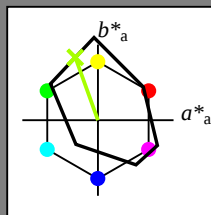
Hue texts:

$u^*_e = j25g$ $u^*_d = y34l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

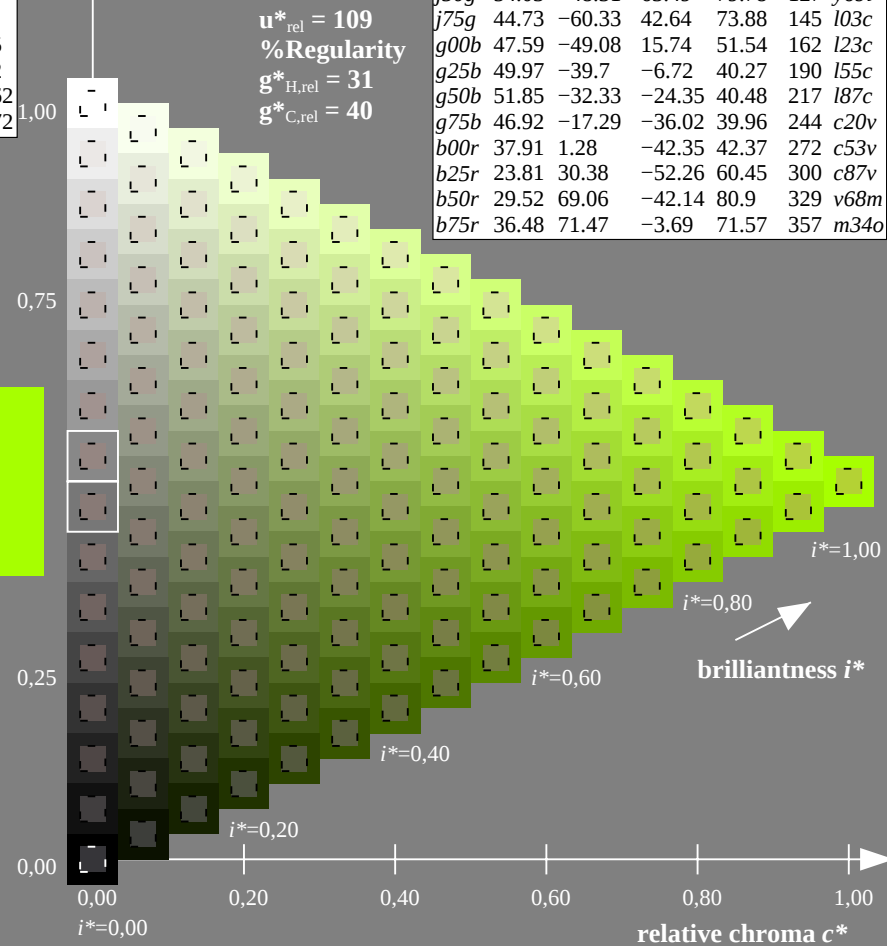
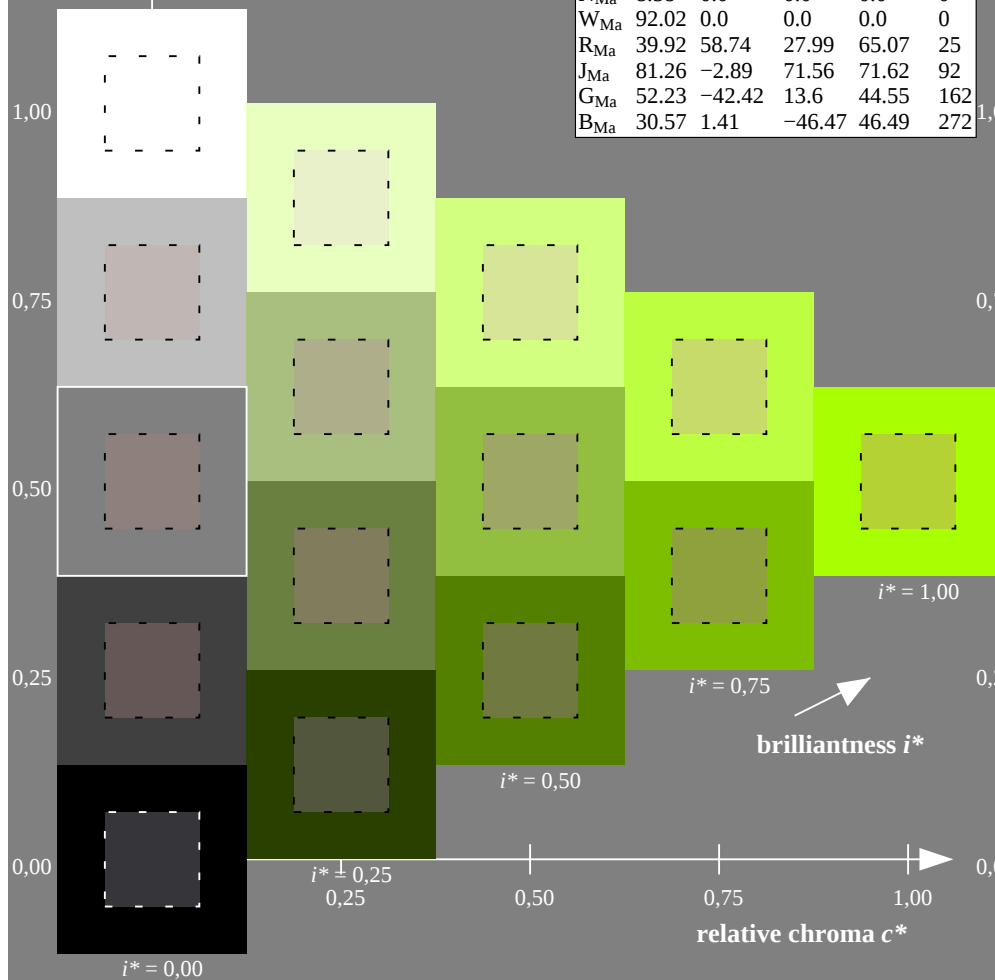
$u^*_{rel} = 109$

%Regularity

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

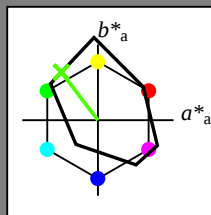
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

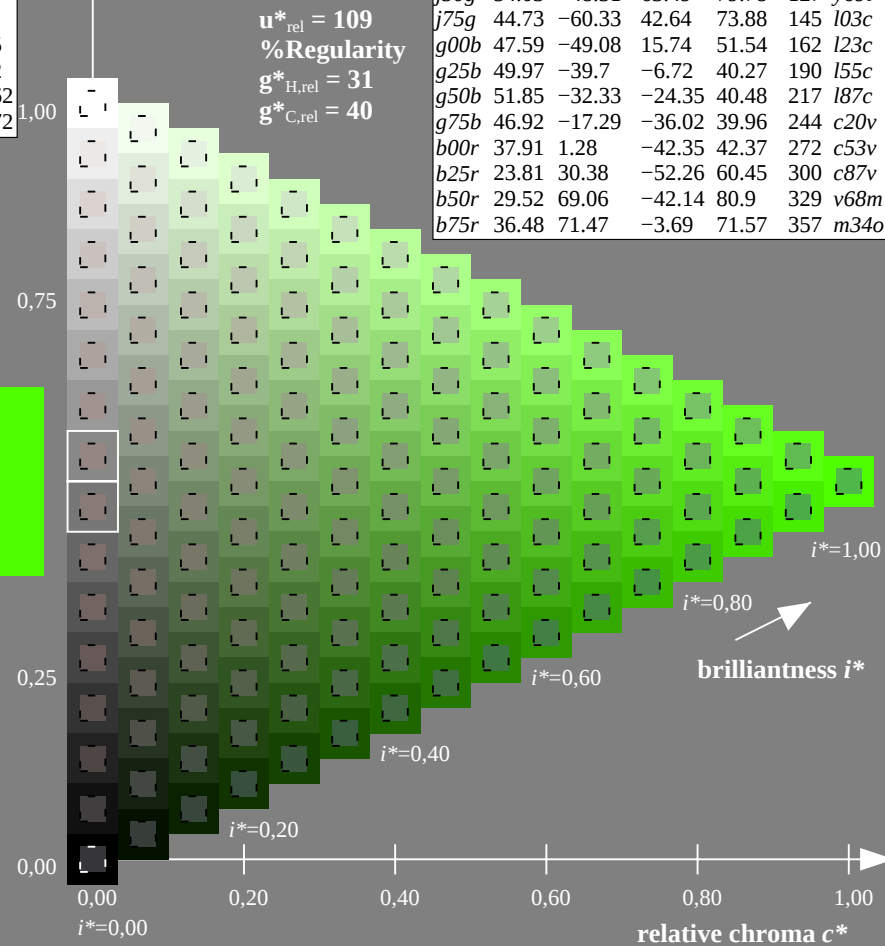
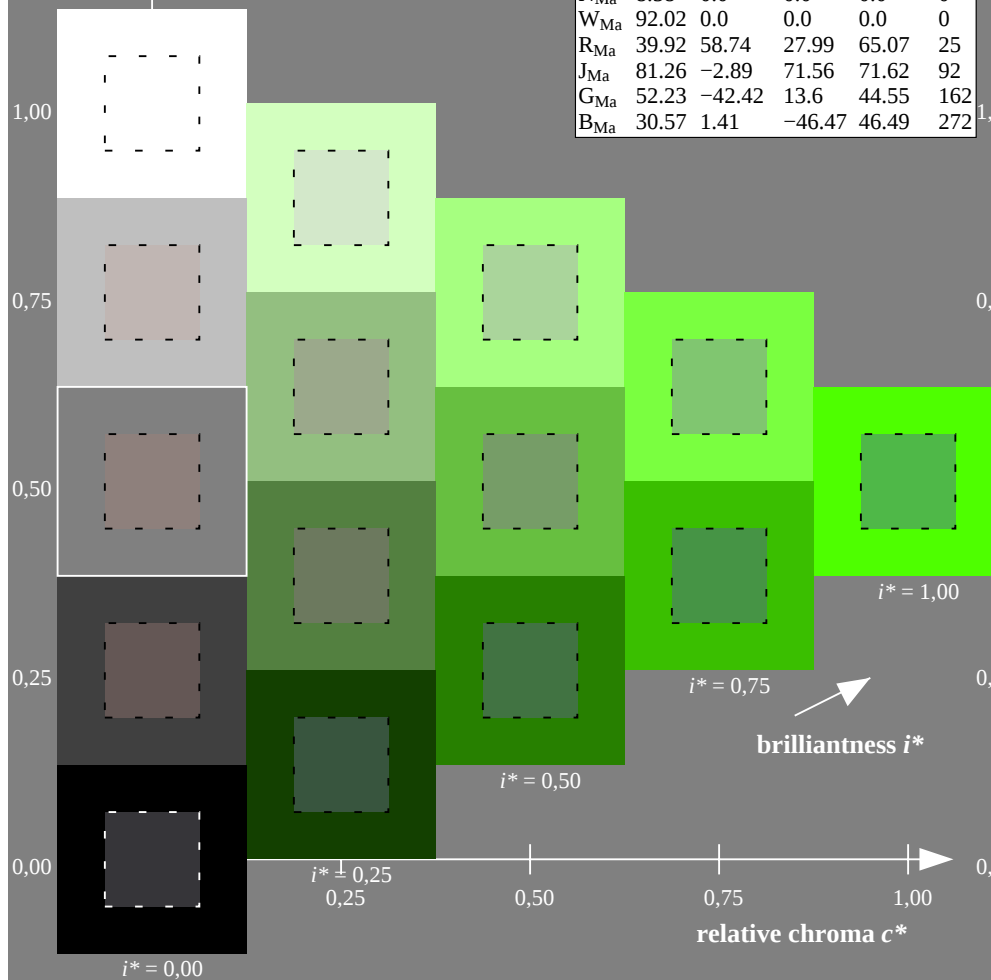
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

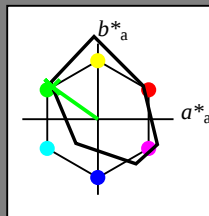
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 45 -60 43

LAB^*LCH^*Ma : 45 74 144

lab^*rgb^*Ma : 0.25 1.0 0.0

lab^*olv^*Ma : 0.0 1.0 0.03

triangle lightness t^*

%Gamut

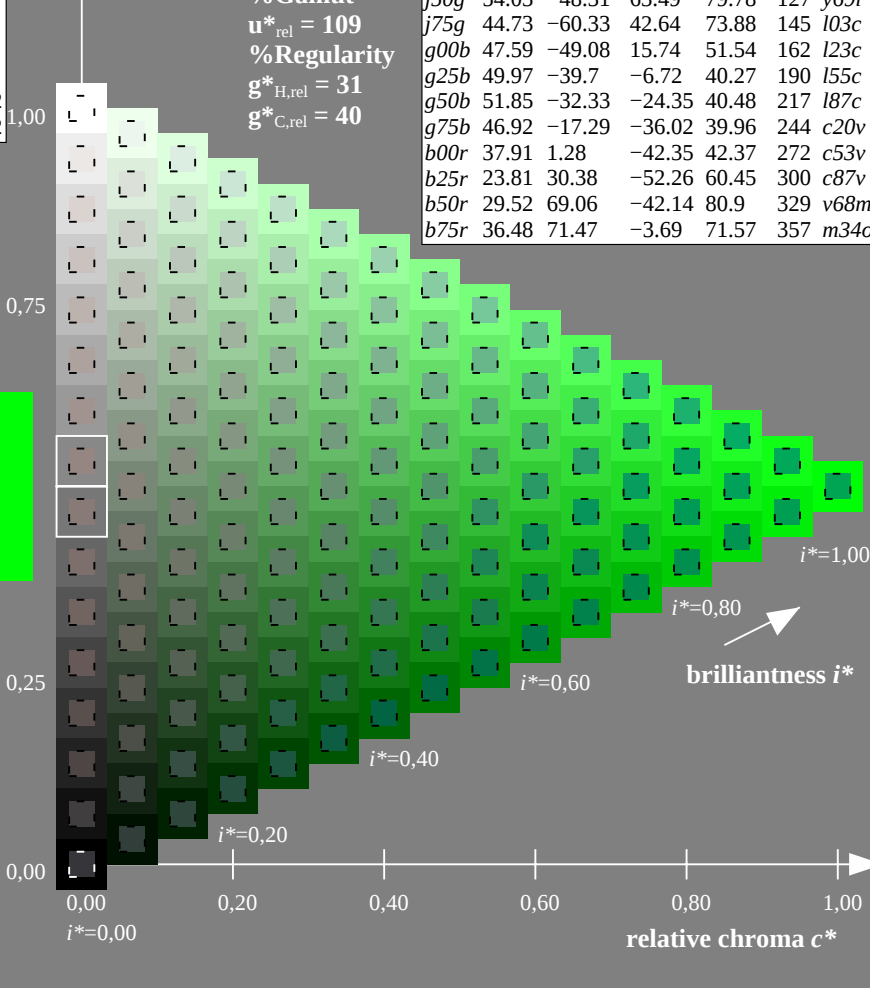
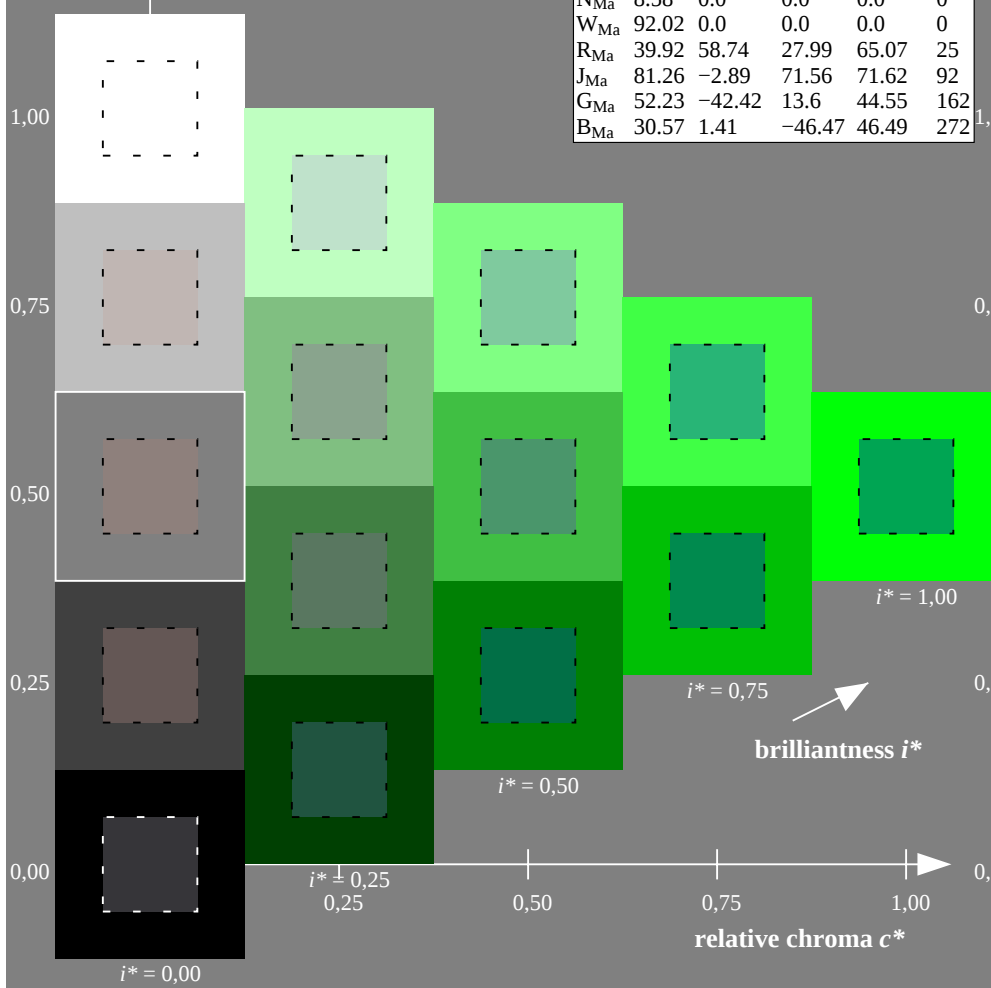
$u^*_{rel} = 109$

%Regularity

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

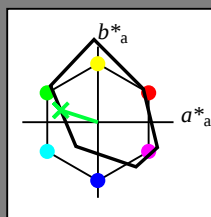
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

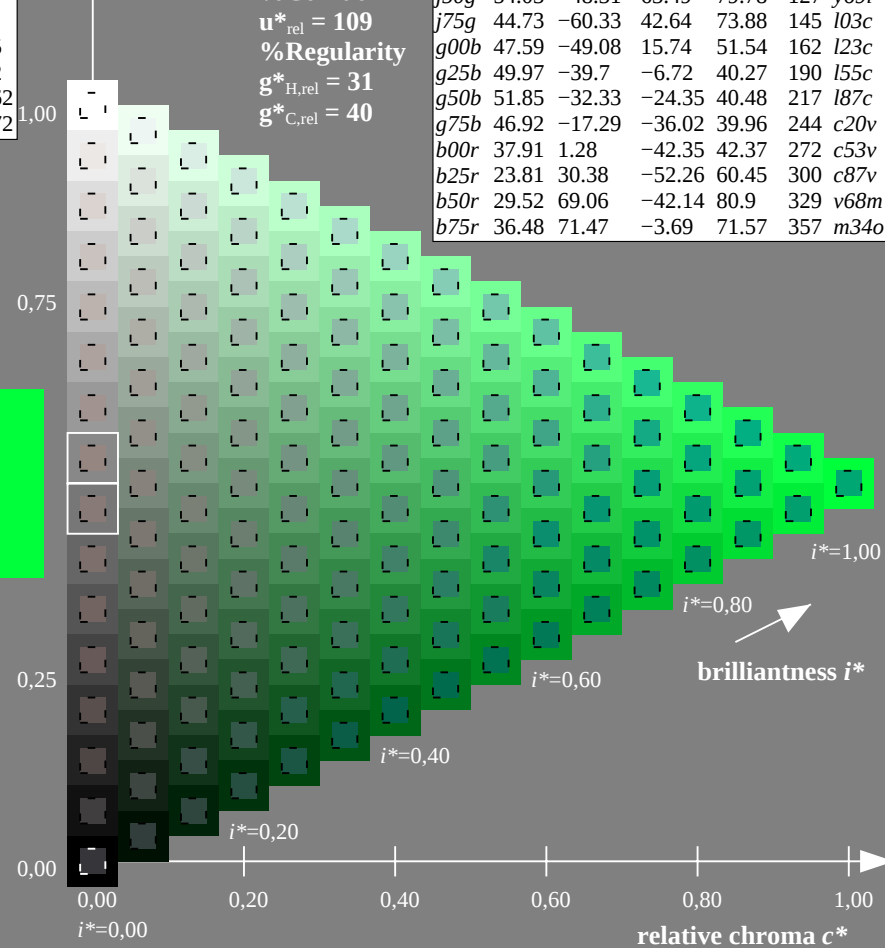
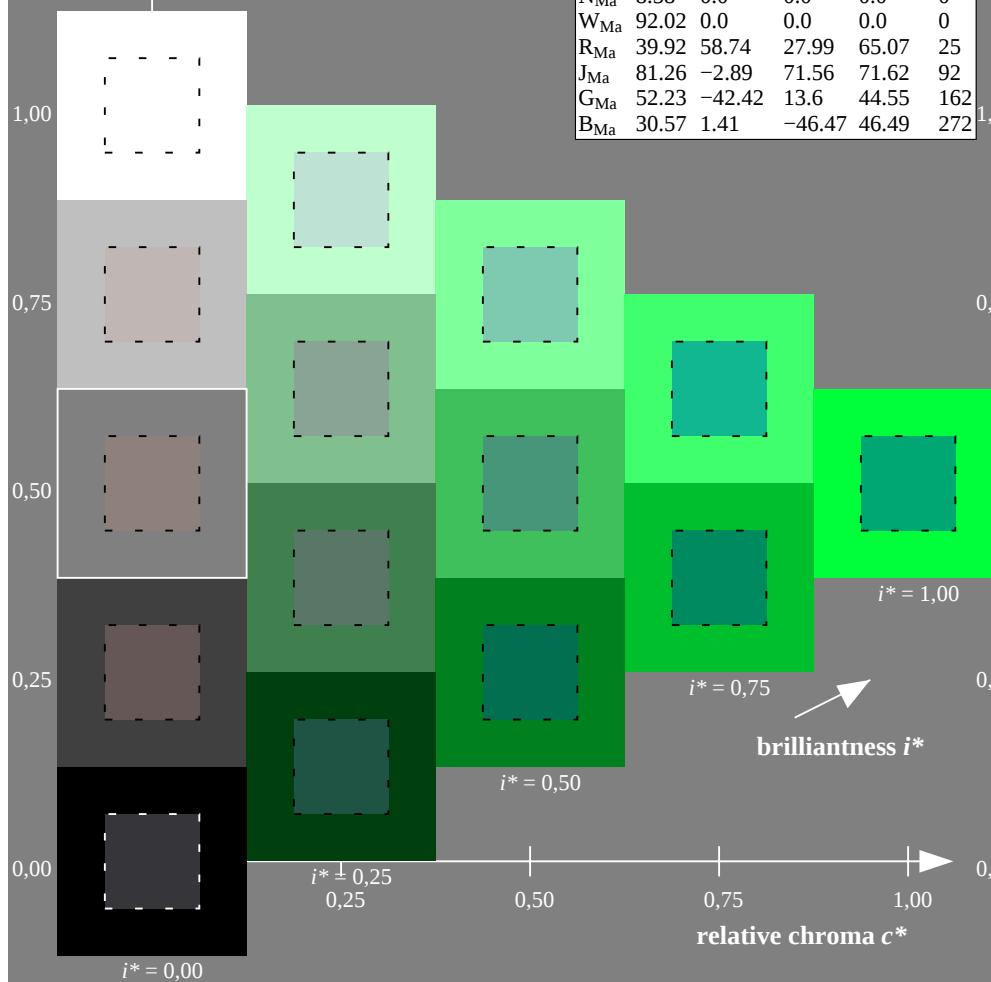
$u^*_{rel} = 109$

%Regularity

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

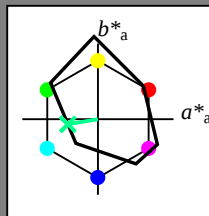
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



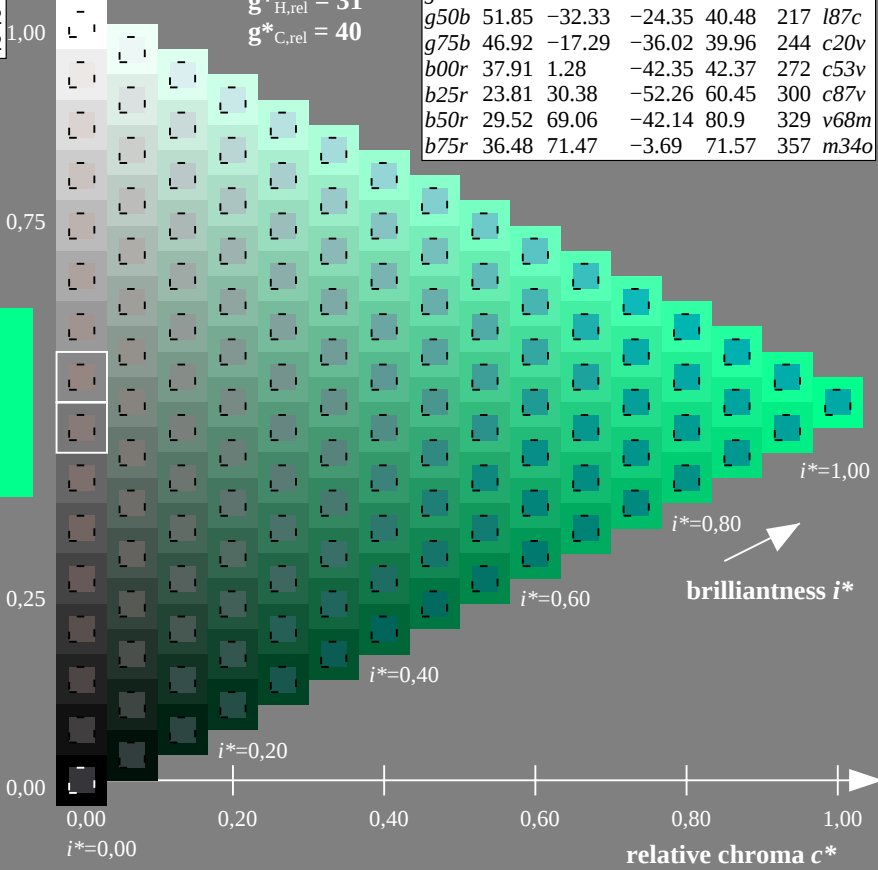
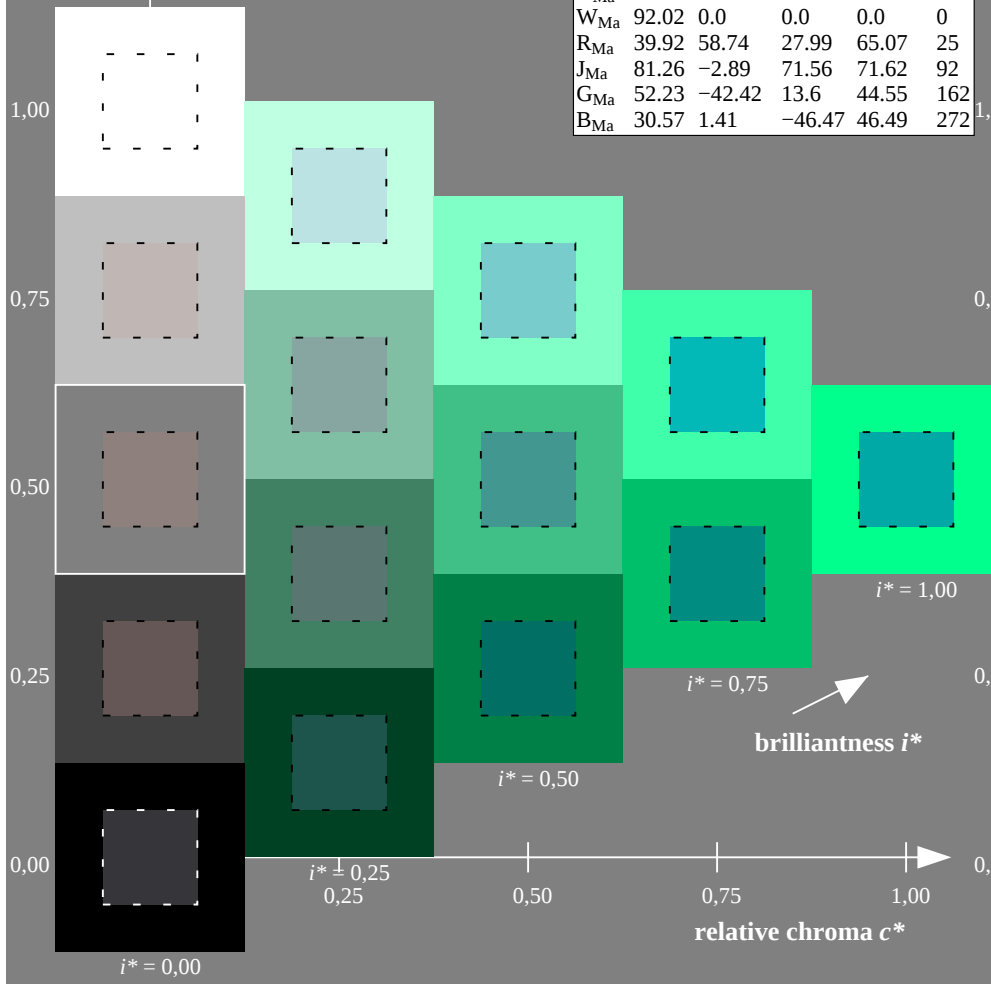
FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7
 $LAB^*LCH^*_{Ma}$: 50 40 189
 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
 $lab^*olv^*_{Ma}$: 0.0 1.0 0.55
triangle lightness t^*

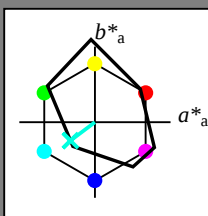
%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



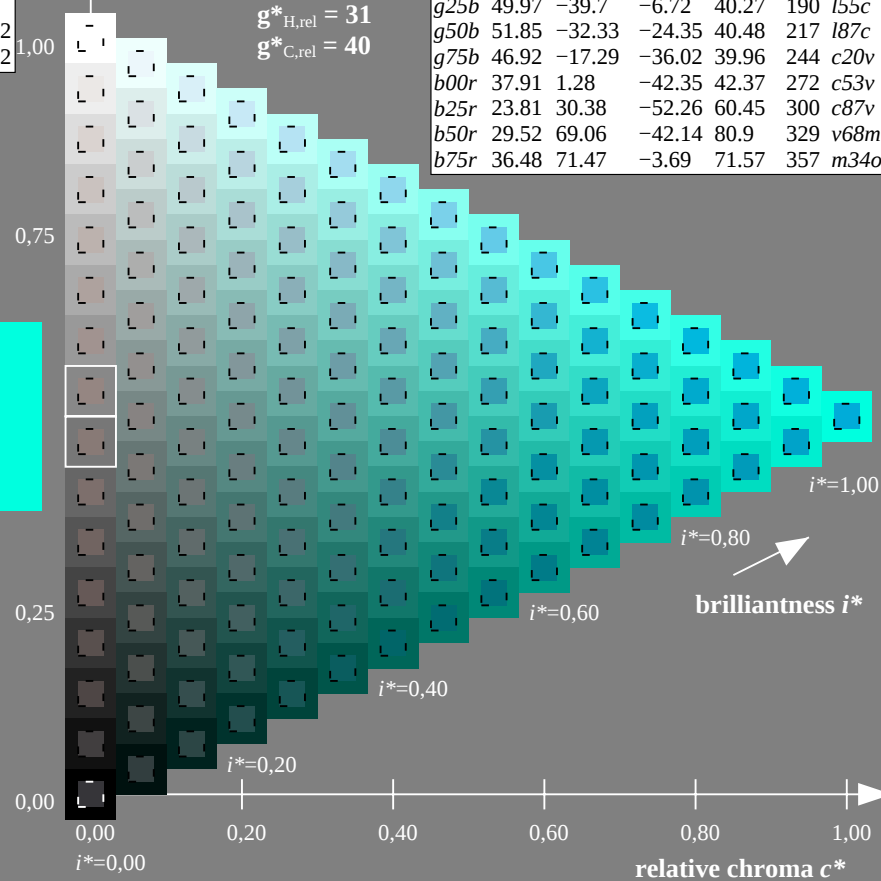
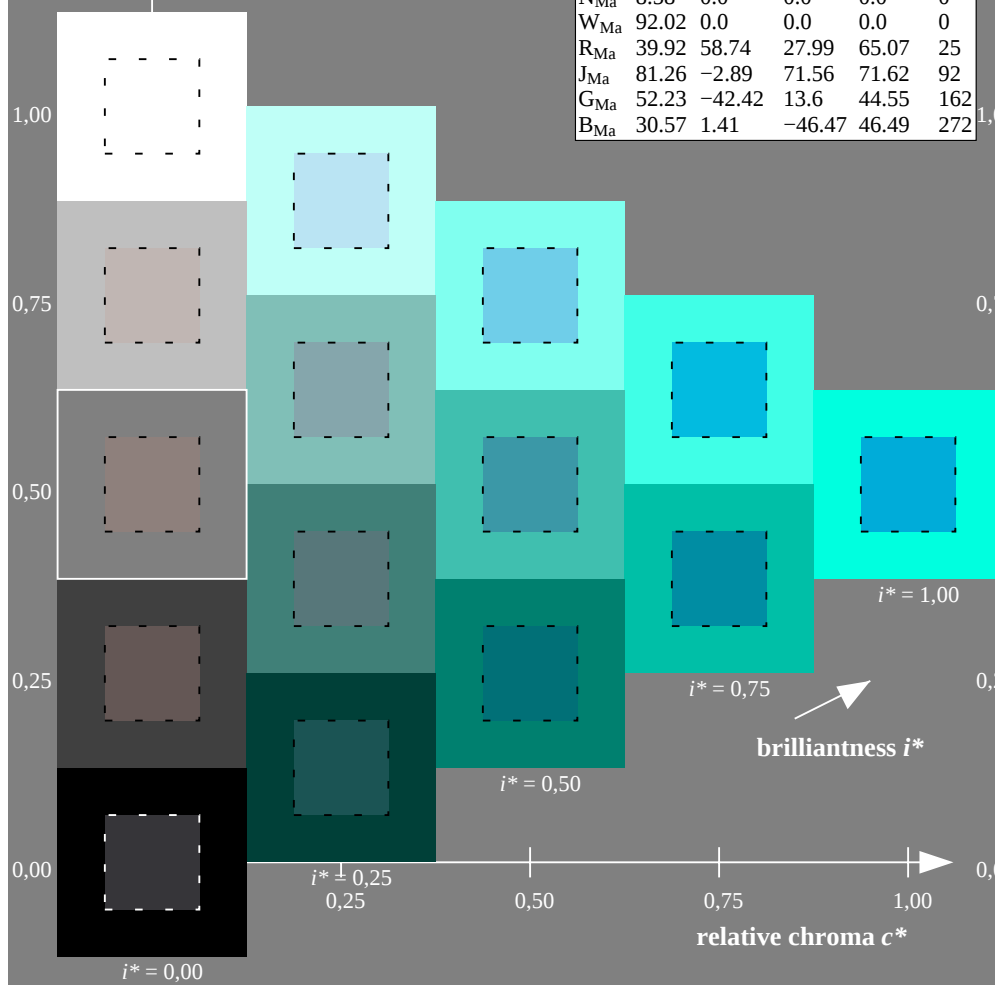
FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -32 -24
 $LAB^*LCH^*_{Ma}$: 52 40 216
 $lab^*rgb^*_{Ma}$: 0.0 1.0 1.0
 $lab^*olv^*_{Ma}$: 0.0 1.0 0.87
triangle lightness t^*

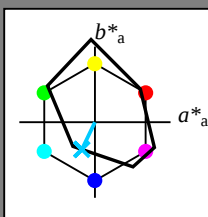
%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

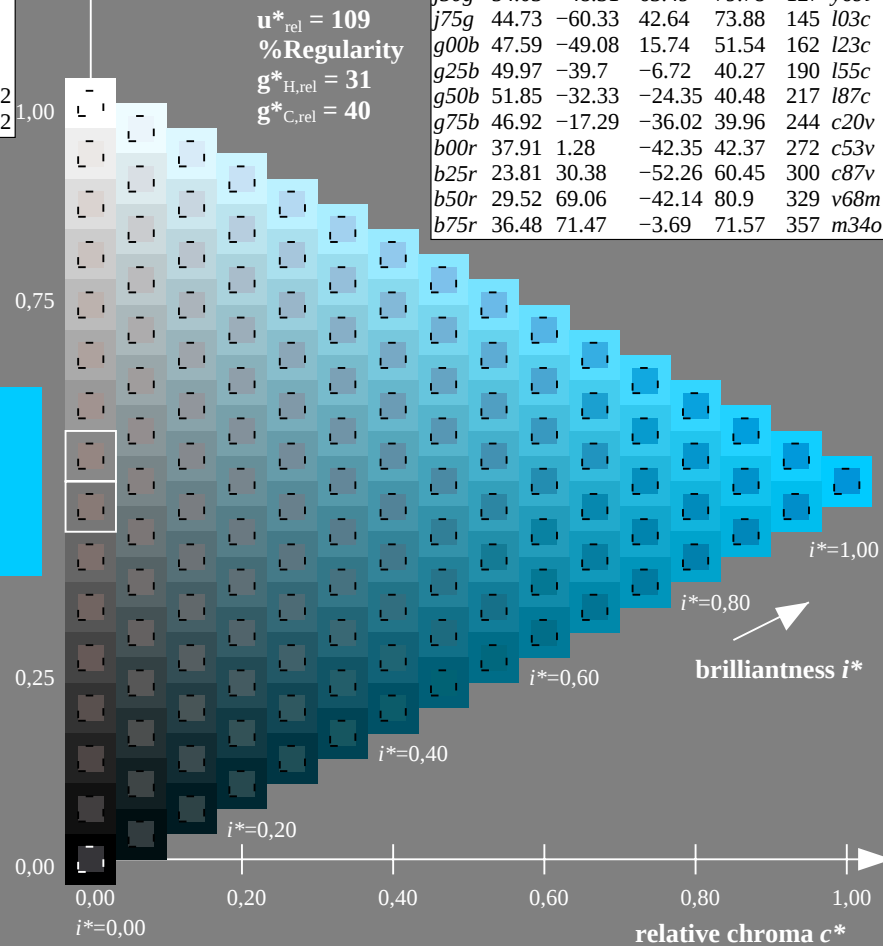
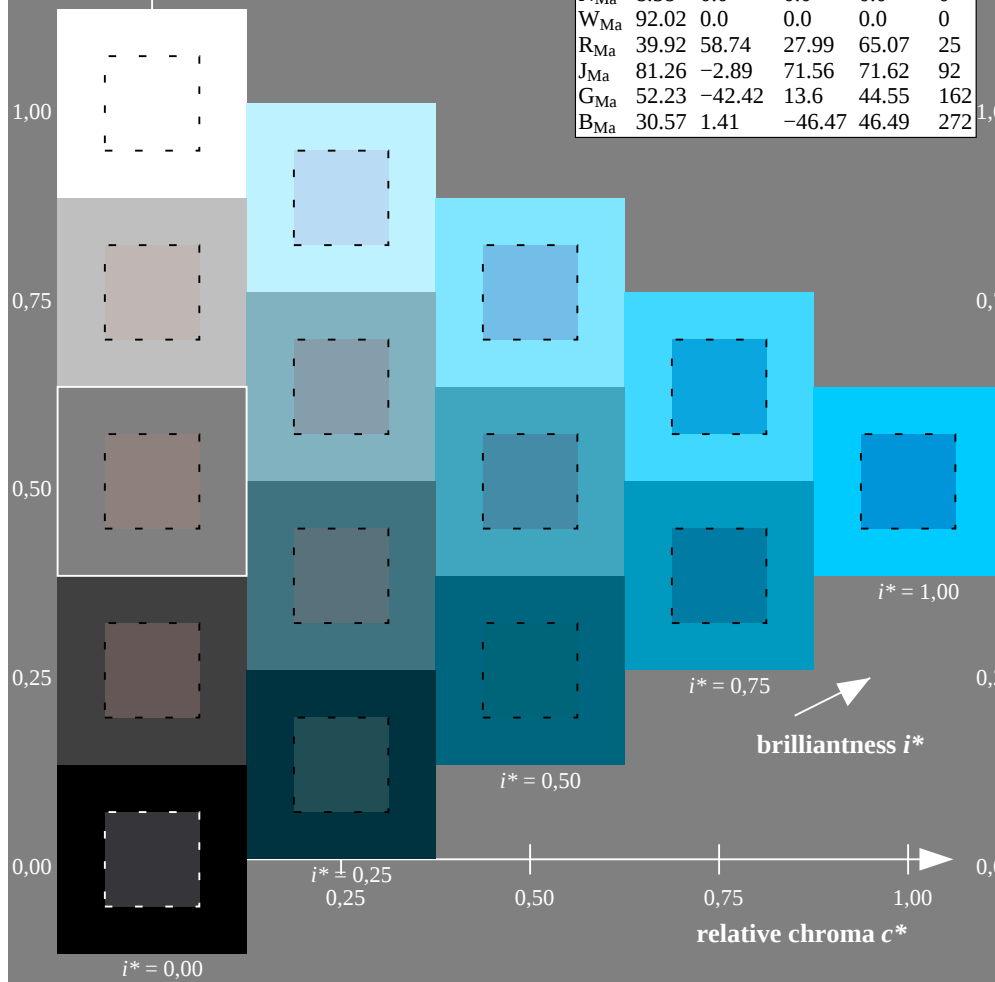
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

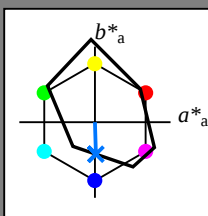
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

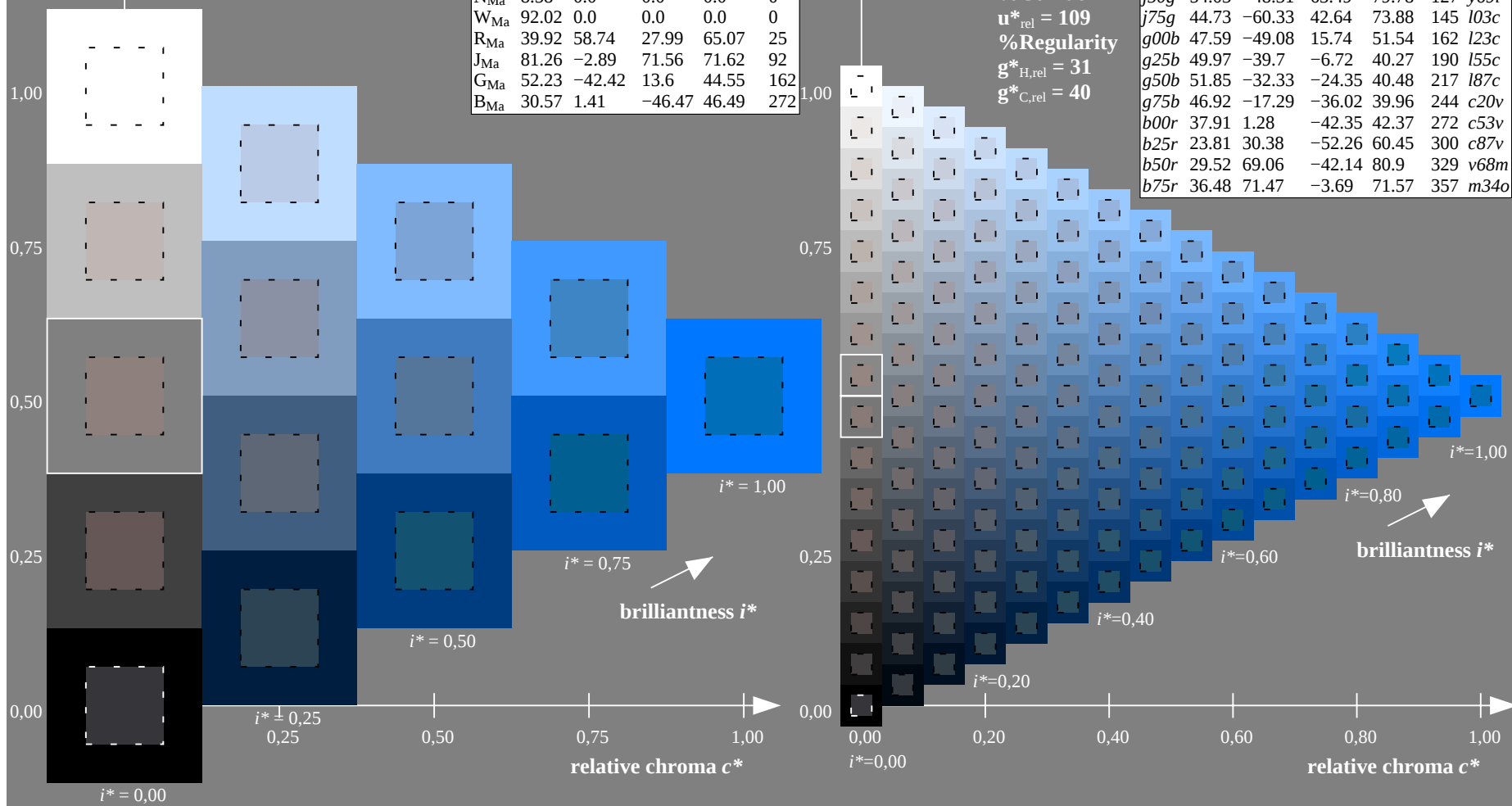
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

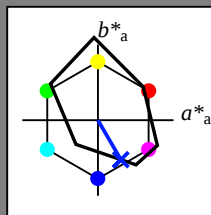
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

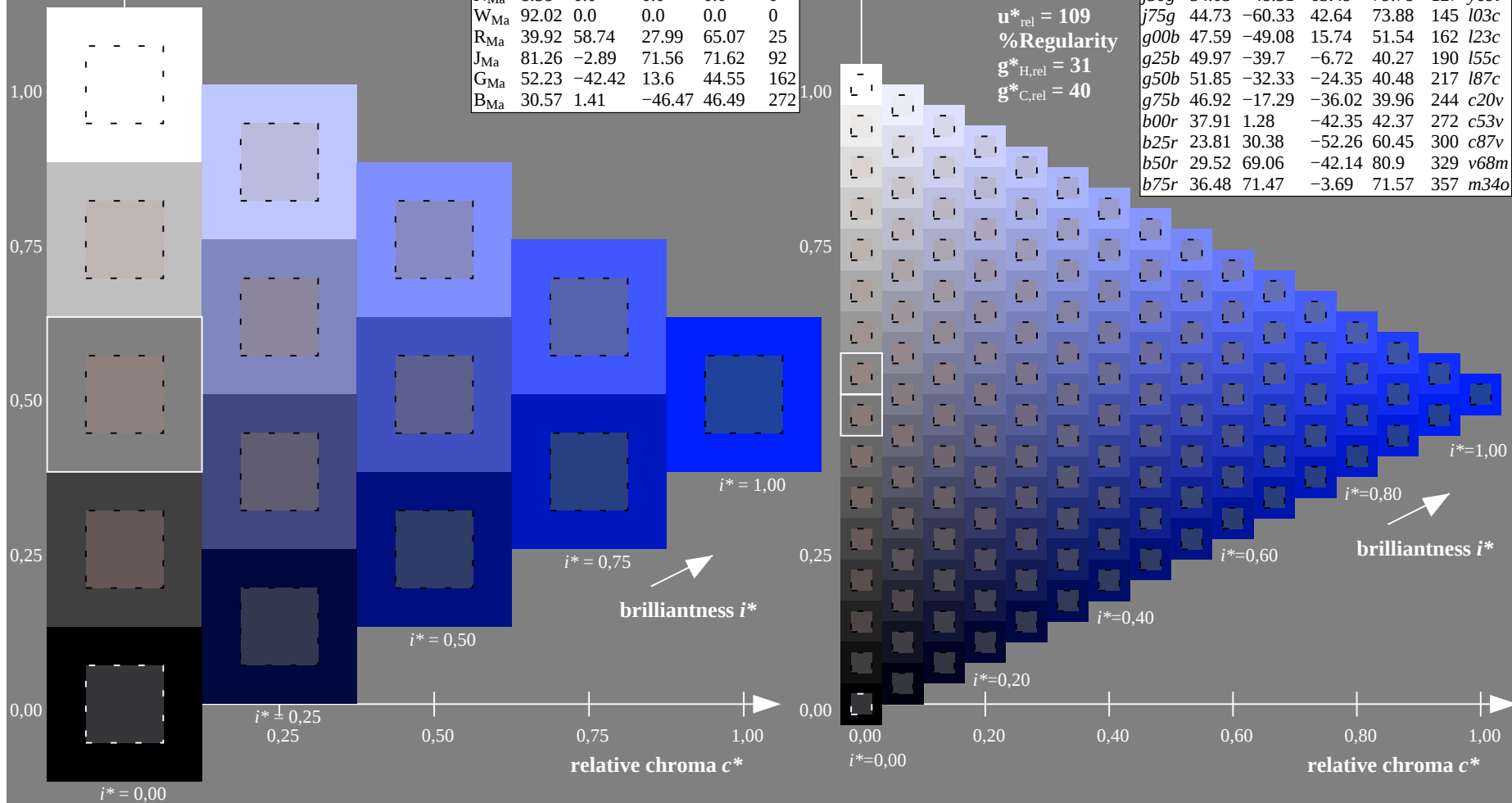
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data

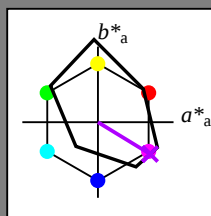
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = b25r$



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

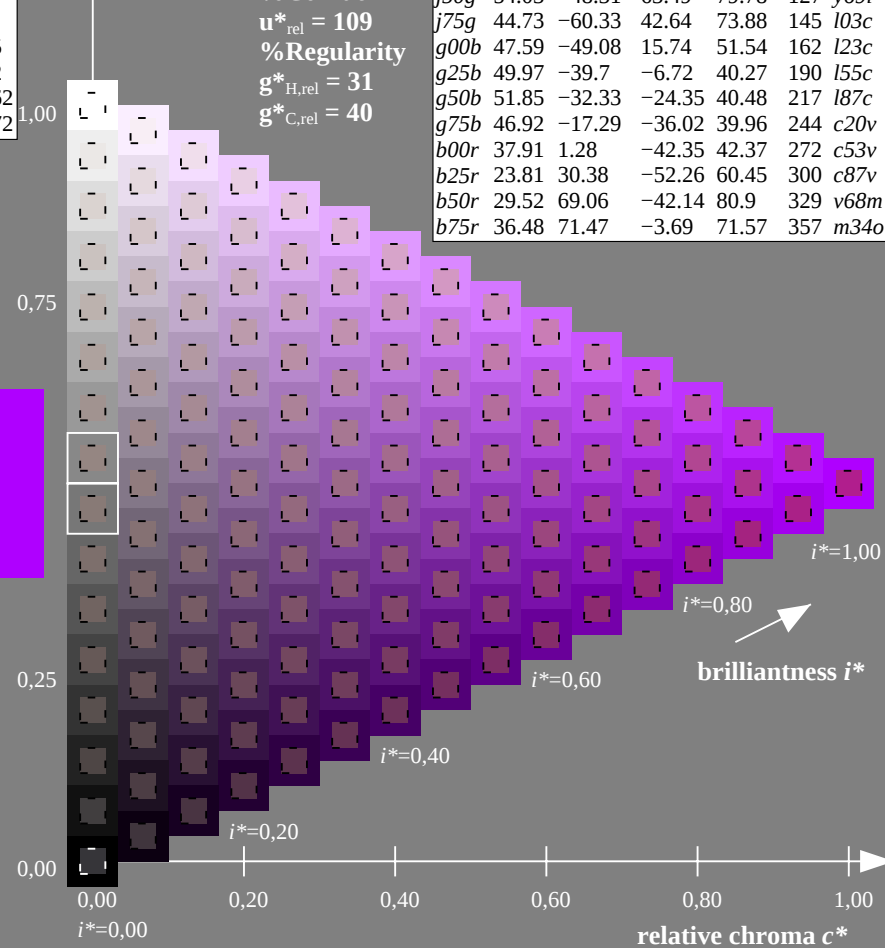
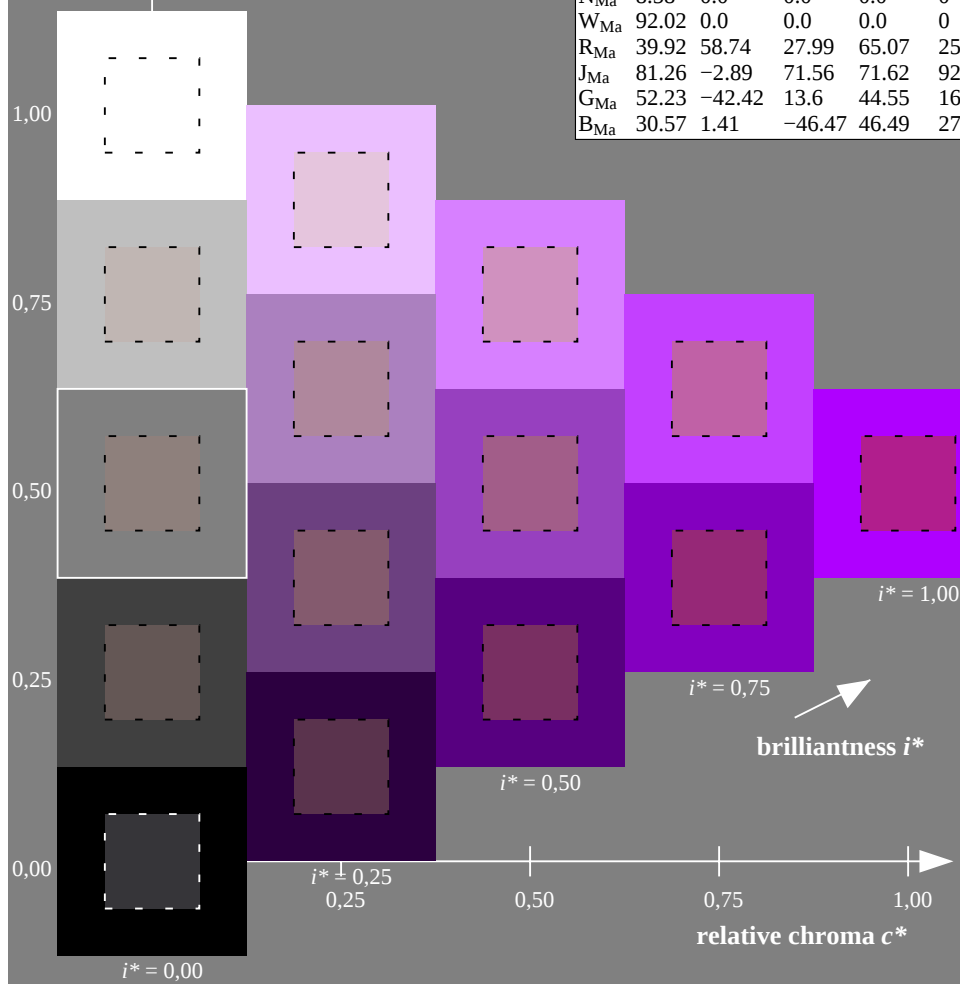
$u^*_{rel} = 109$

%Regularity

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

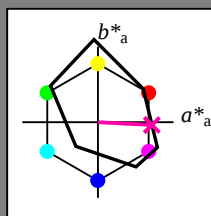
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

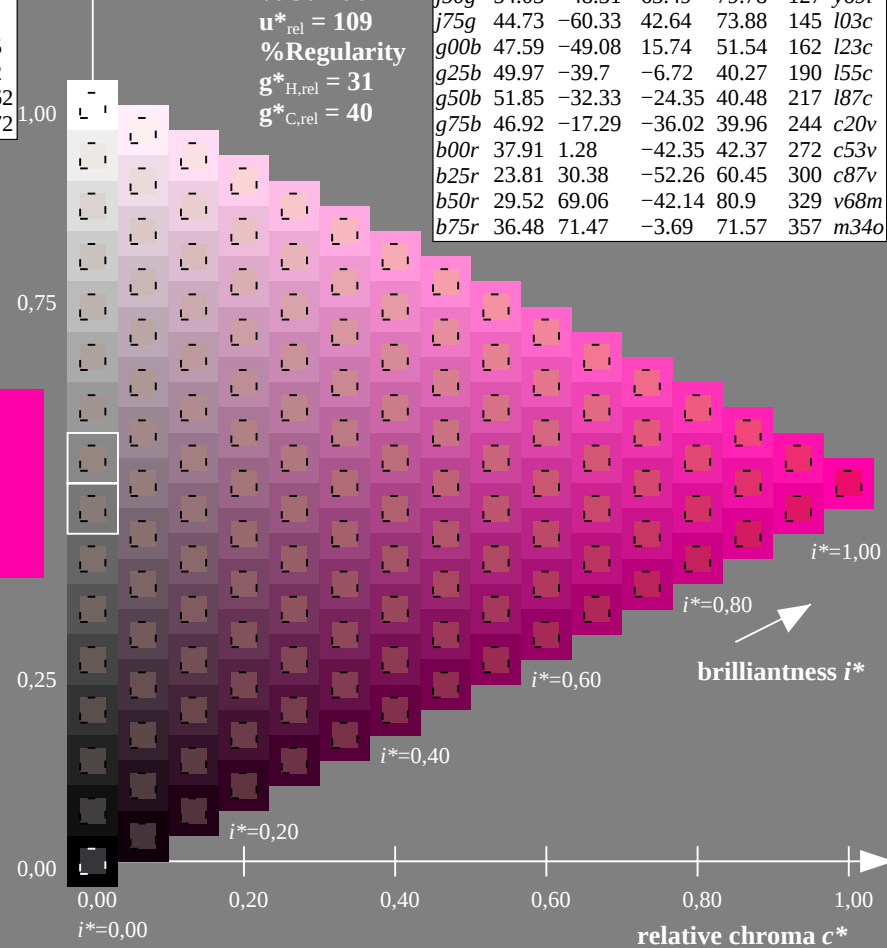
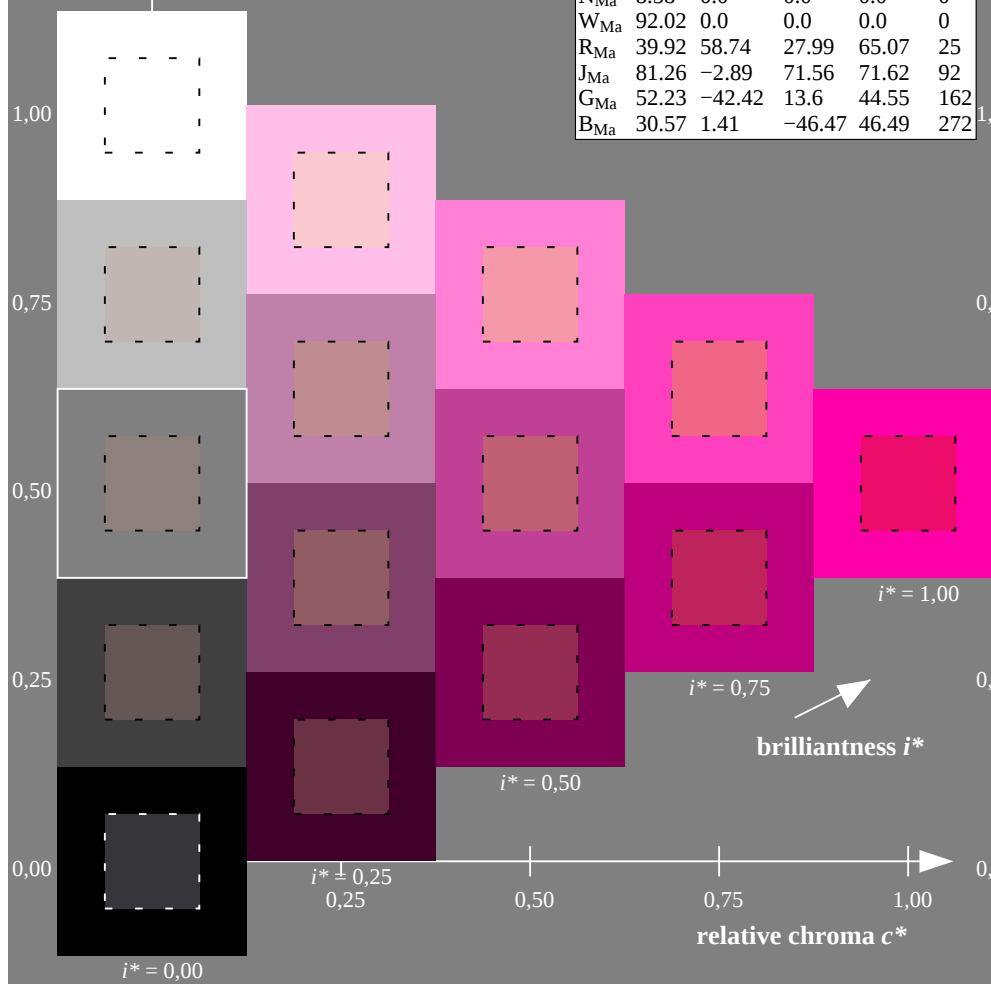
$u^*_{rel} = 109$

%Regularity

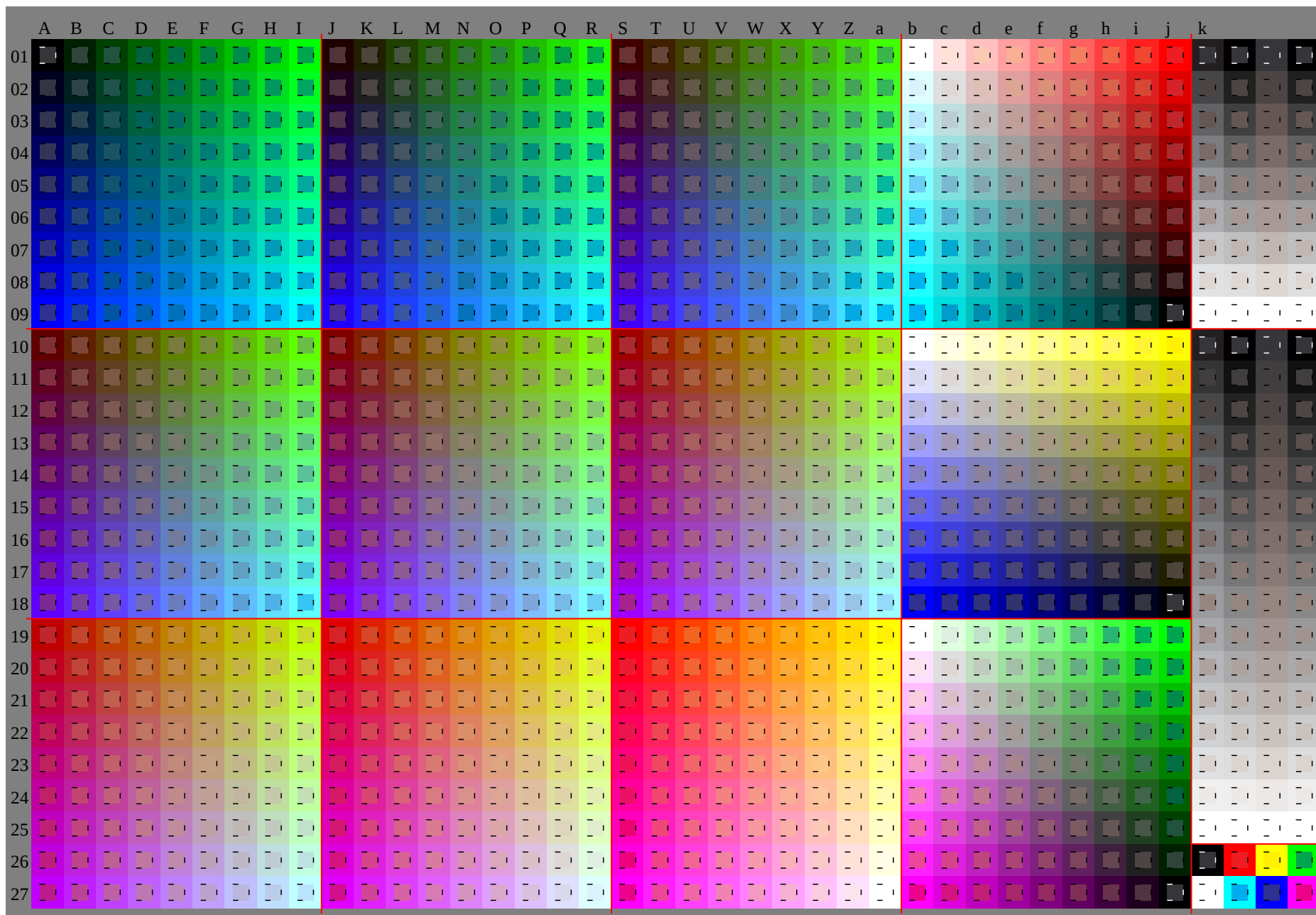
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0



Input and output:

Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number *no.* = 00 .. 15

elementary hue text:

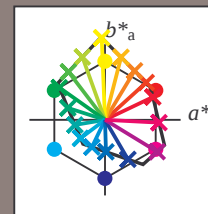
$u^*_e = 16$ hues *r00j*, *r25j*, ..., *b75r*

contrast reduction factor:

$c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

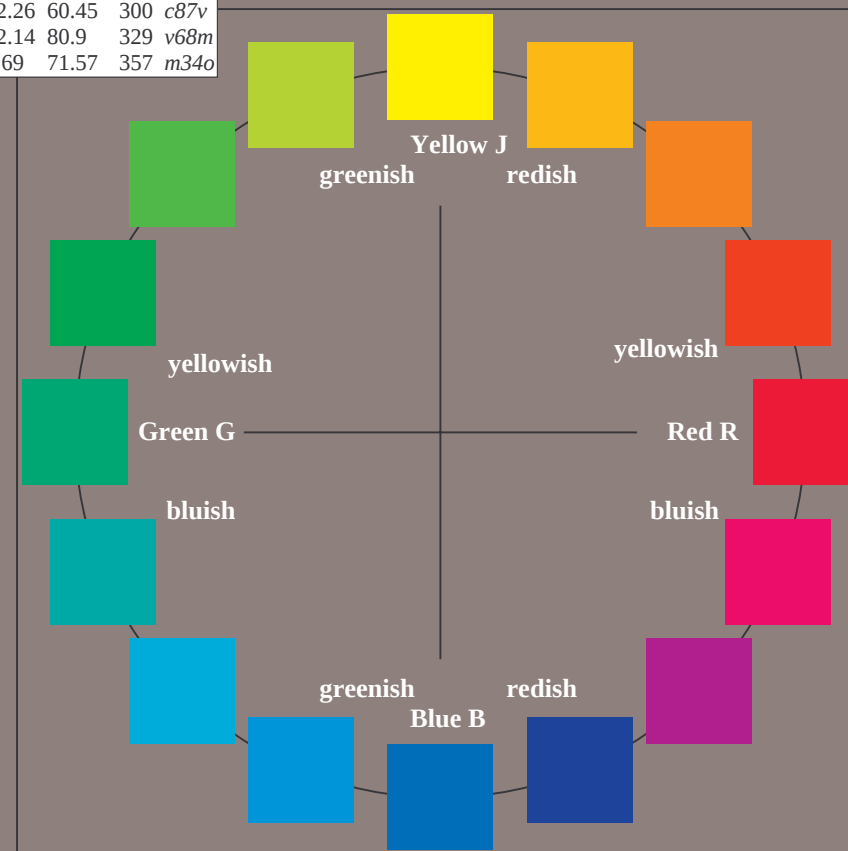
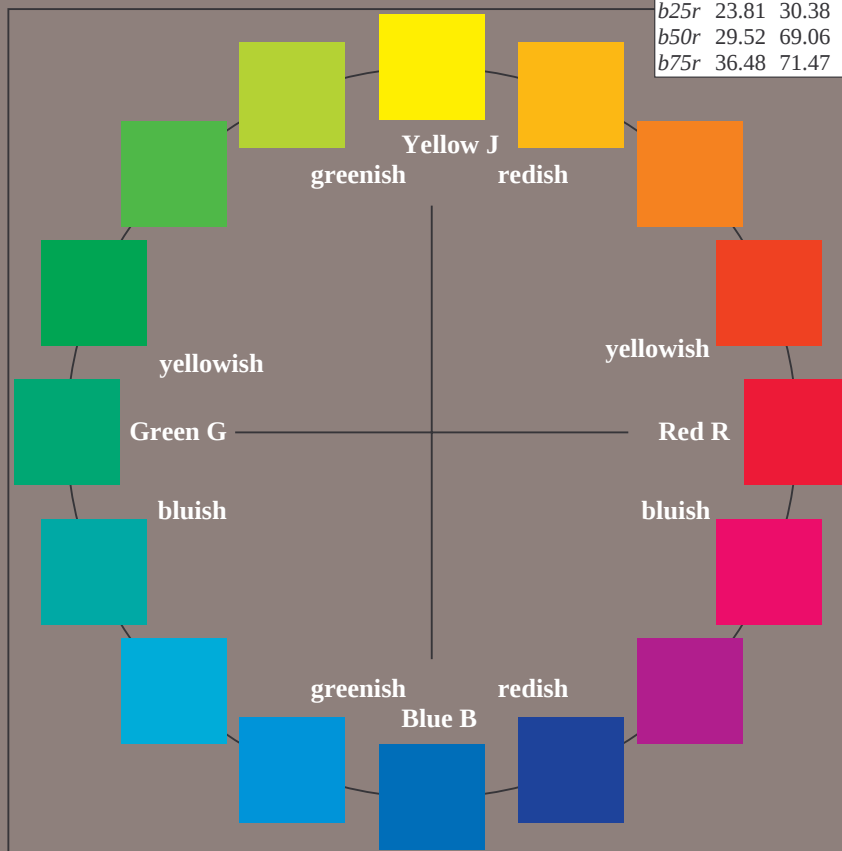
%Regularity

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

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

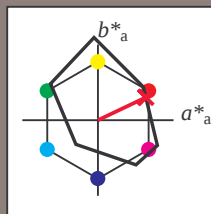
FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	25
J _{CIE}	81.26	-2.89	71.56	71.62	92
G _{CIE}	52.23	-42.42	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

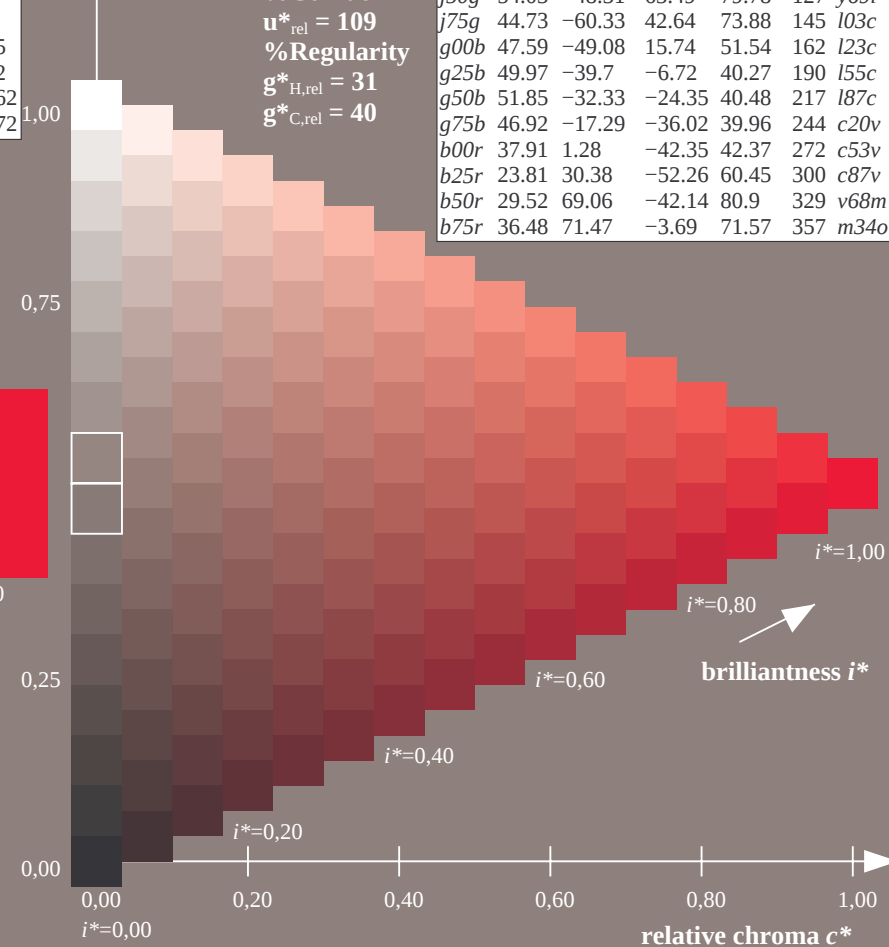
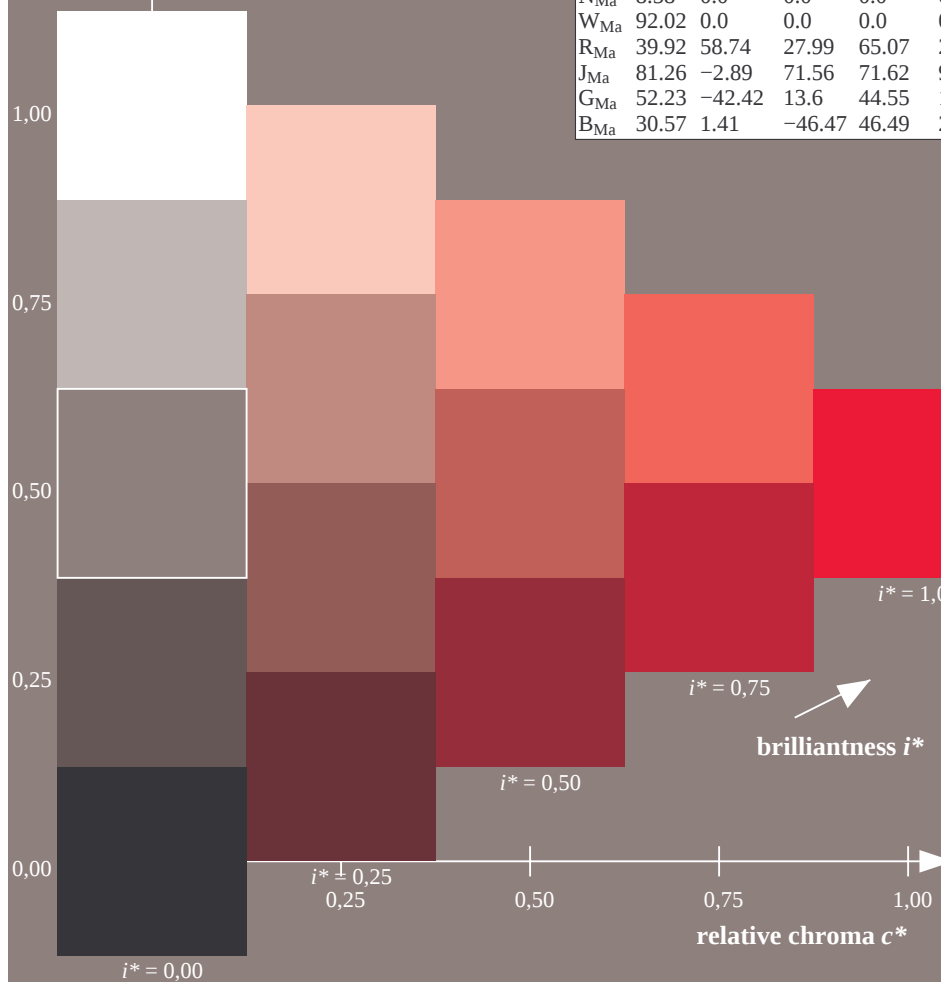
$u^*_{rel} = 109$

%Regularity

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

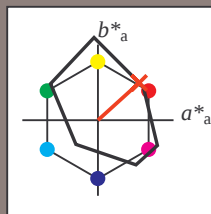
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

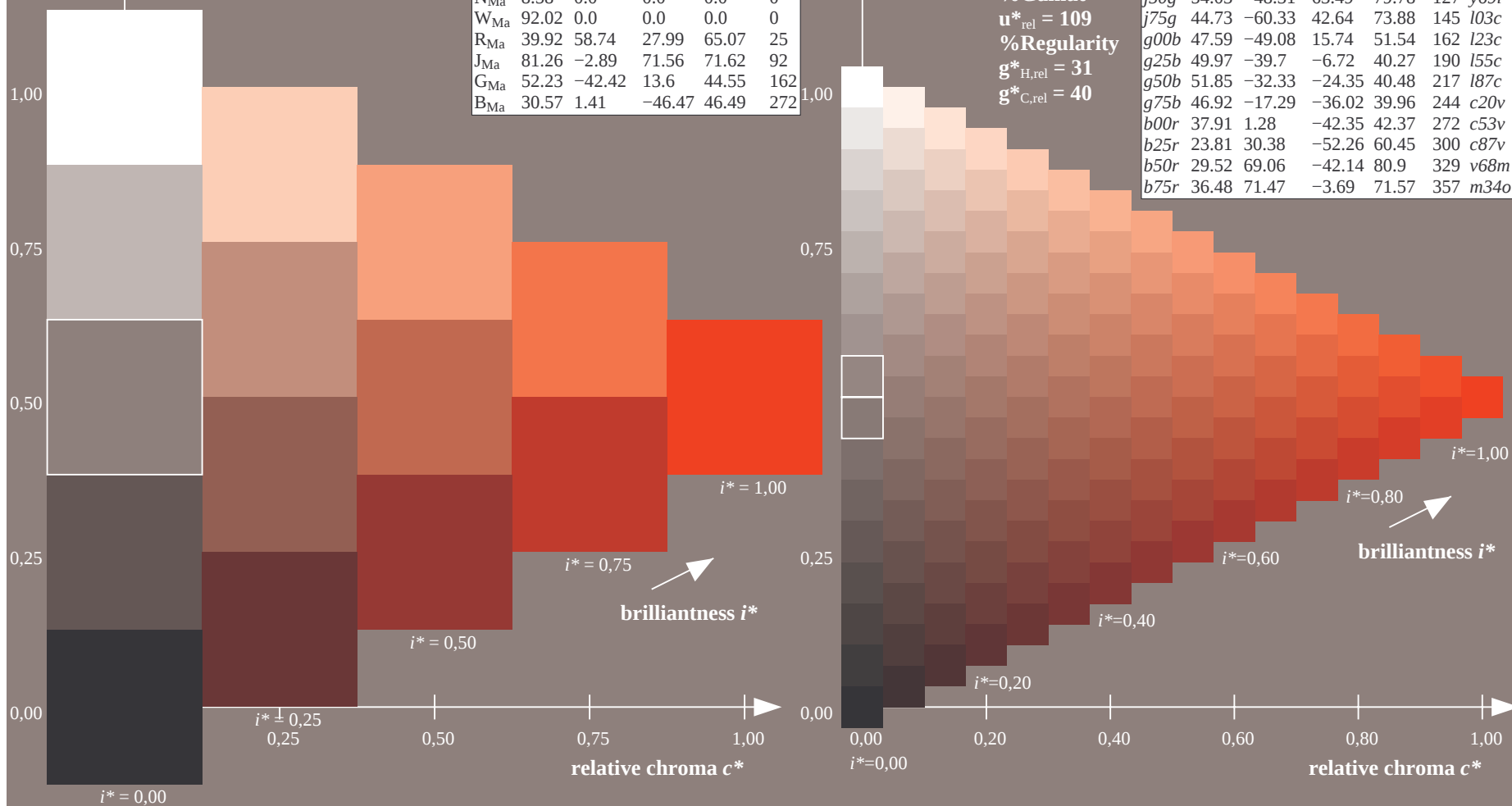
$u^*_{rel} = 109$

%Regularity

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

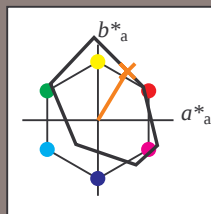
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

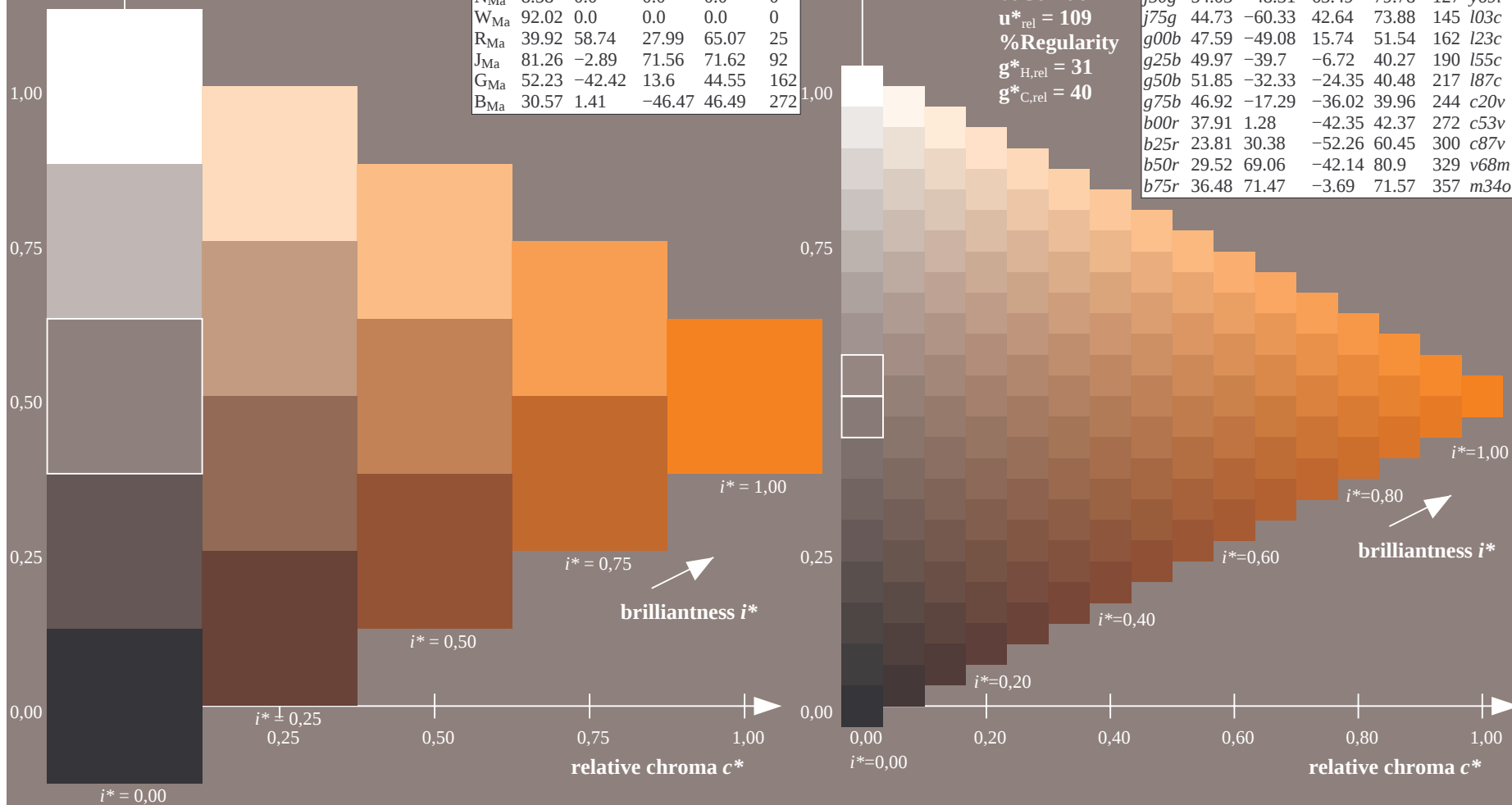
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ data for any colour: Data for maximum colour (Ma):

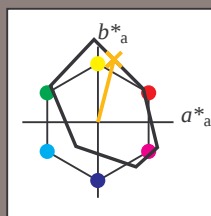
$$u_e^* = r75j$$

lab*tch* and lab*icu*

Hue texts:

$$u^*_e = r75j \quad u^*_d = o69y$$

contrast reduction factor:

$$c_R = 1.0$$
triangle lightness t^* 

FRS09_92a: adapted (a) CIELAB data

	u_e^*	$L^* = L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	35.06	60.0		44.0	74.4	36
Y _{Ma}	83.77	-5.17		109.32	109.44	93
L _{Ma}	44.13	-62.67		48.24	79.09	142
C _{Ma}	52.66	-29.14		-31.99	43.27	228
V _{Ma}	14.15	50.3		-59.04	77.57	310
M _{Ma}	37.37	78.64		-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74		27.99	65.07	25
J _{Ma}	81.26	-2.89		71.56	71.62	92
G _{Ma}	52.23	-42.42		13.6	44.55	162
B _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**_{Ma}: 64 21 83

LAB*LCH*Ma: 64 86 75

*lab*rag*Ma*: 1.0 0.75 0.0

*lab*oly**_{M3}: 1.0 0.7 0.0

triangle lightness t^*

0

%Gamut

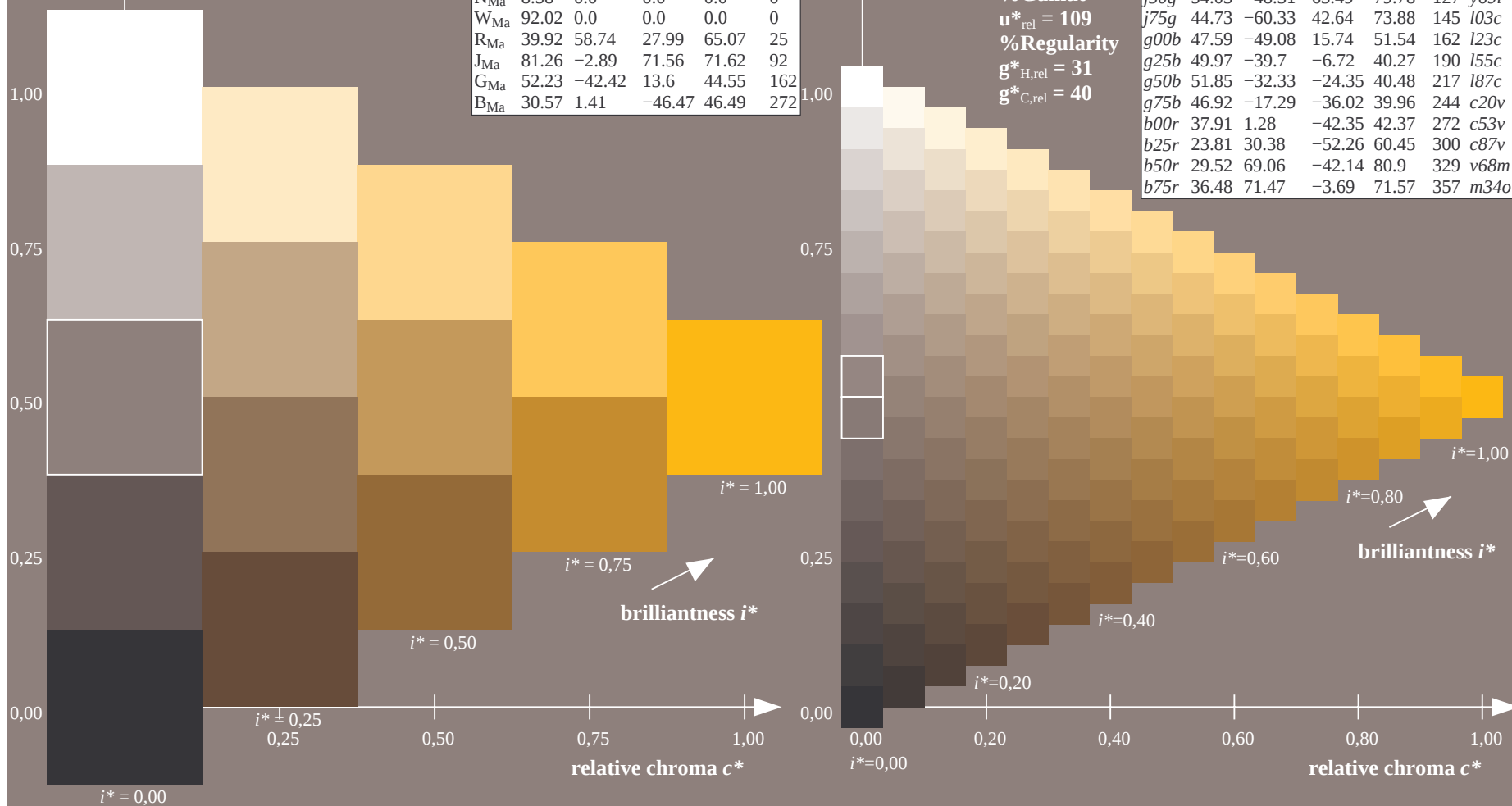
$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

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

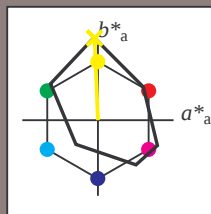
FRS09_92a: adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81o</i>
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10v</i>
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

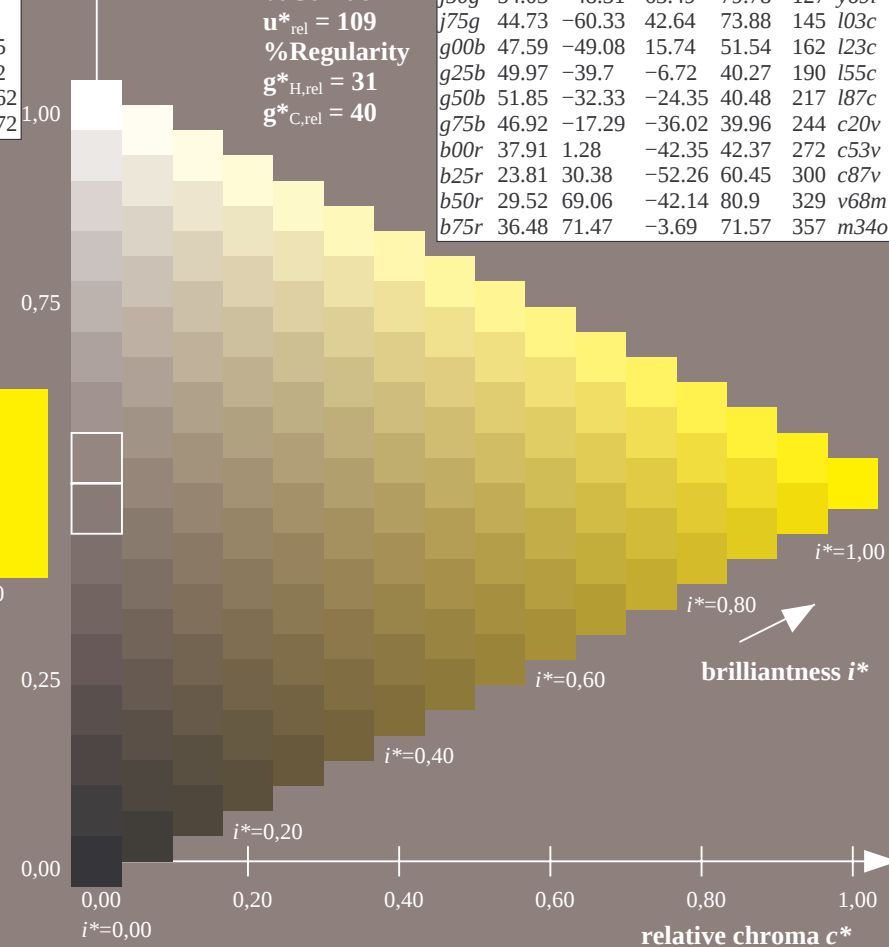
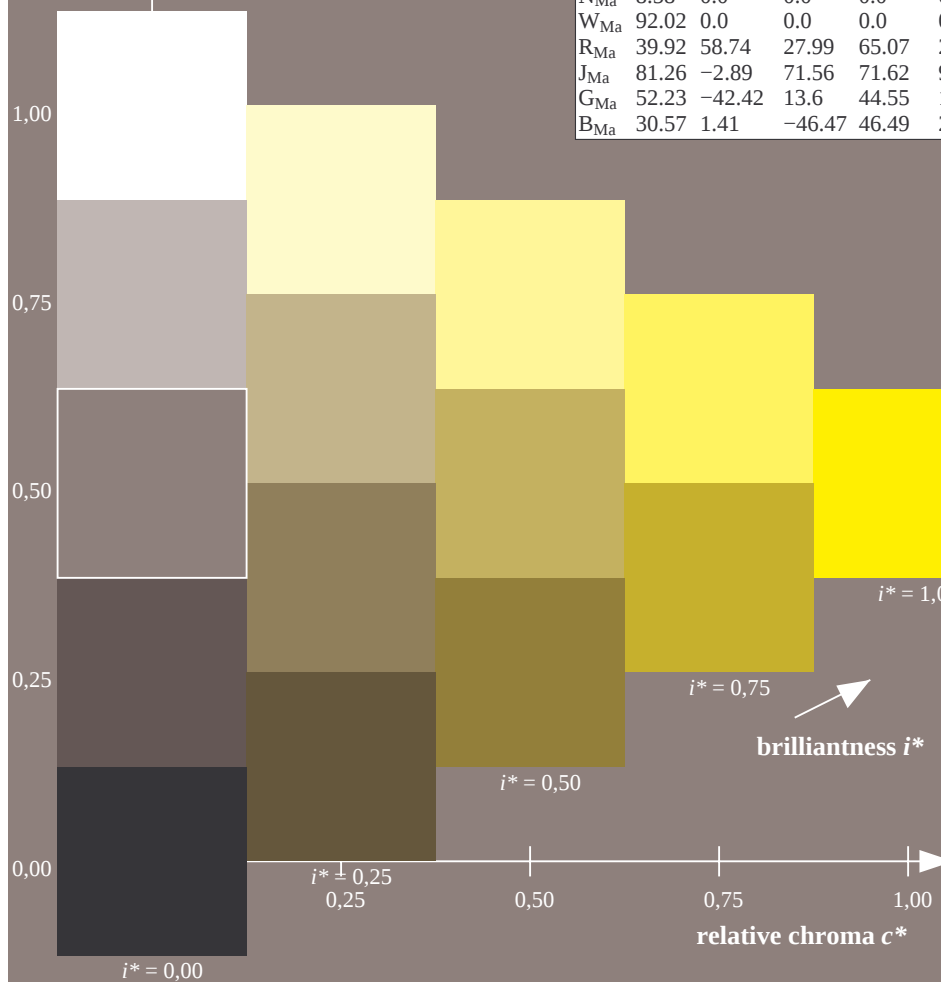
$u^*_{rel} = 109$

%Regularity

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

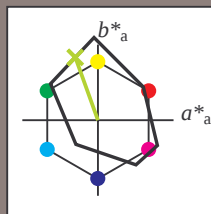
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

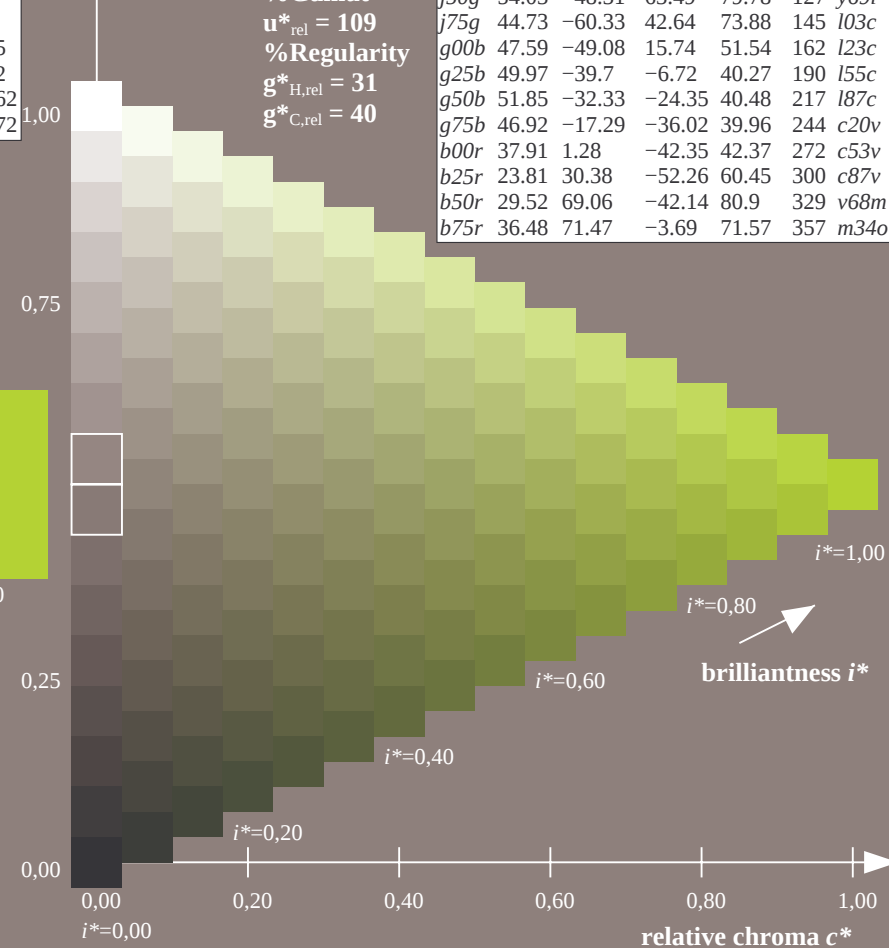
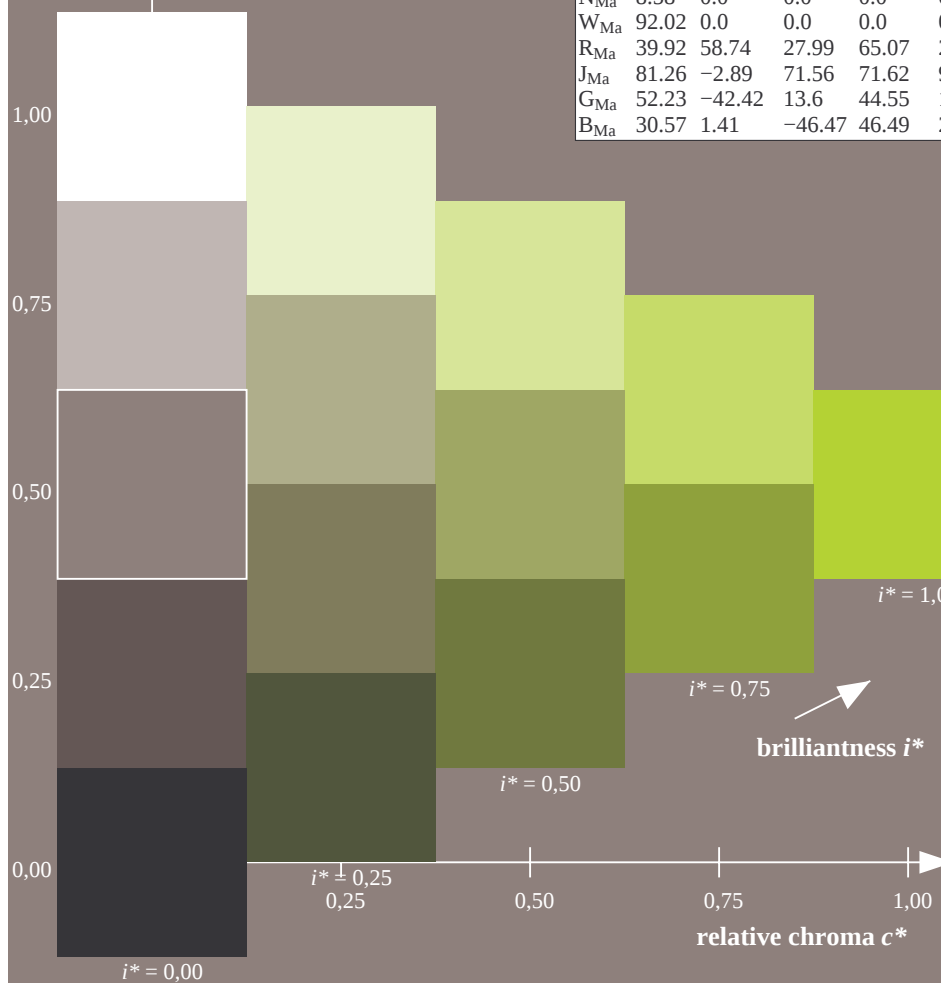
$u^*_{rel} = 109$

%Regularity

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

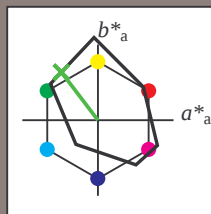
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

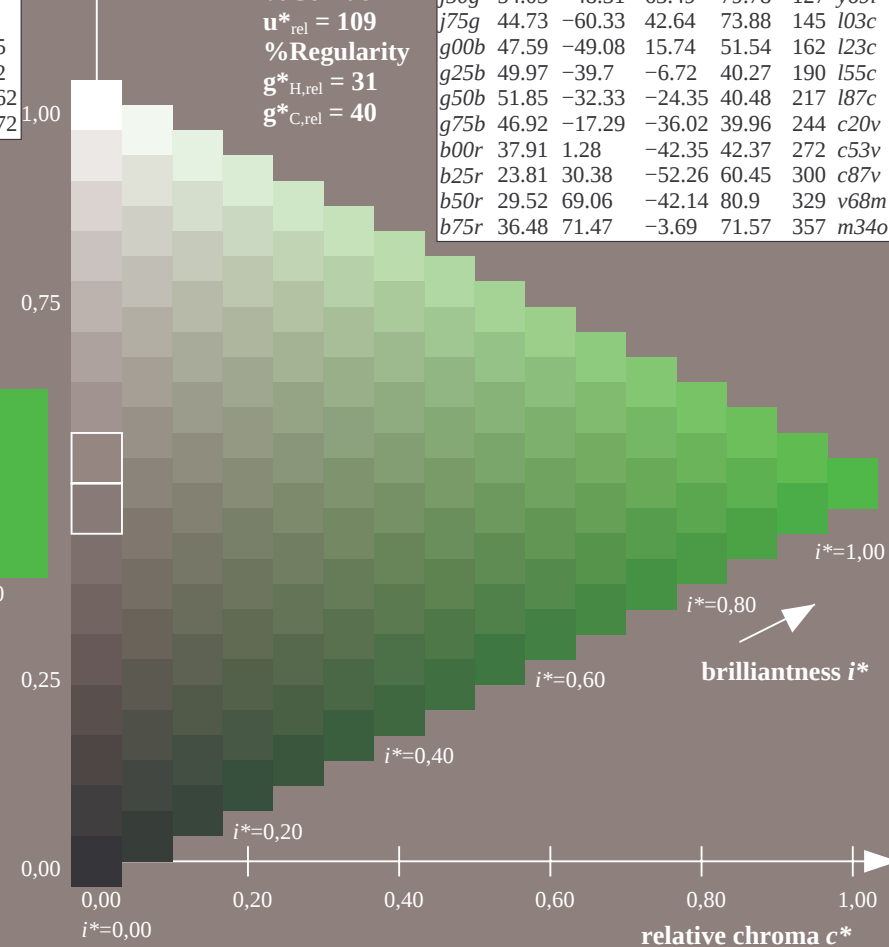
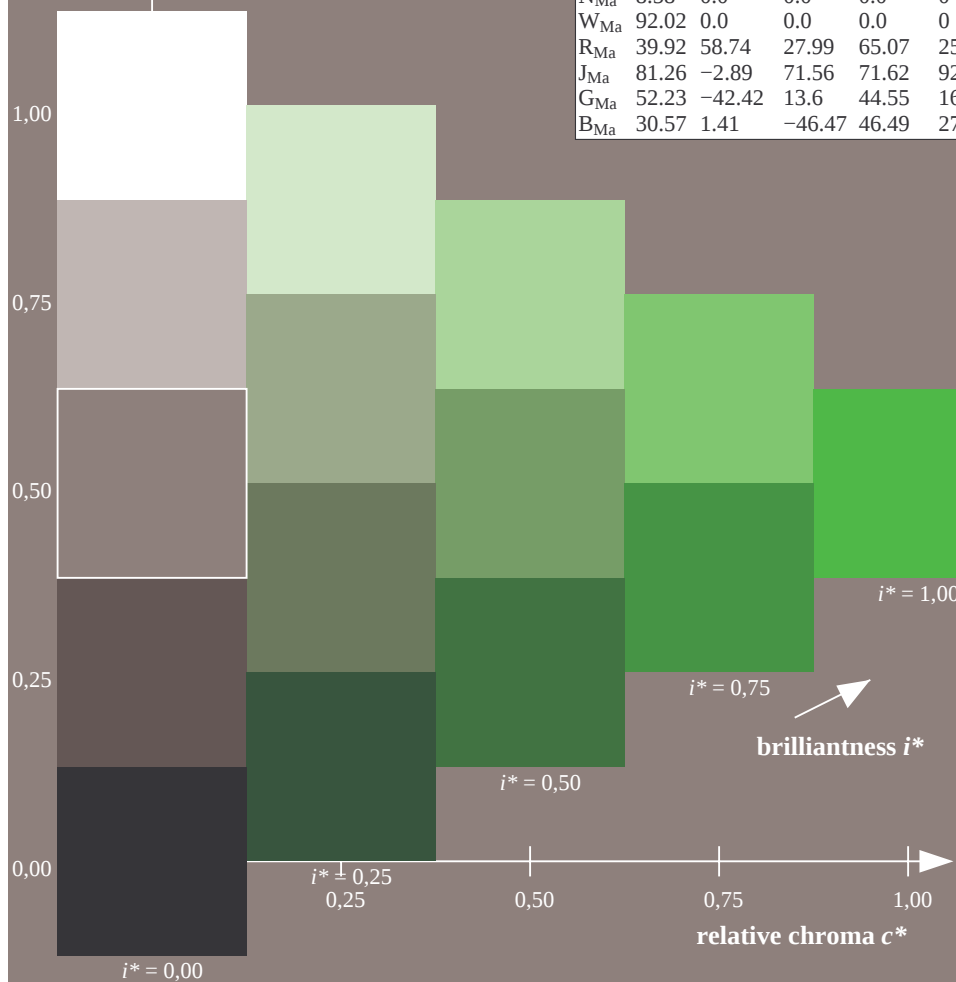
$u^*_{rel} = 109$

%Regularity

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

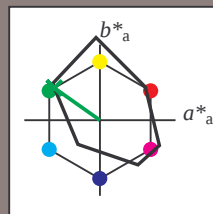
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j75g$ $u^*_d = i03c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

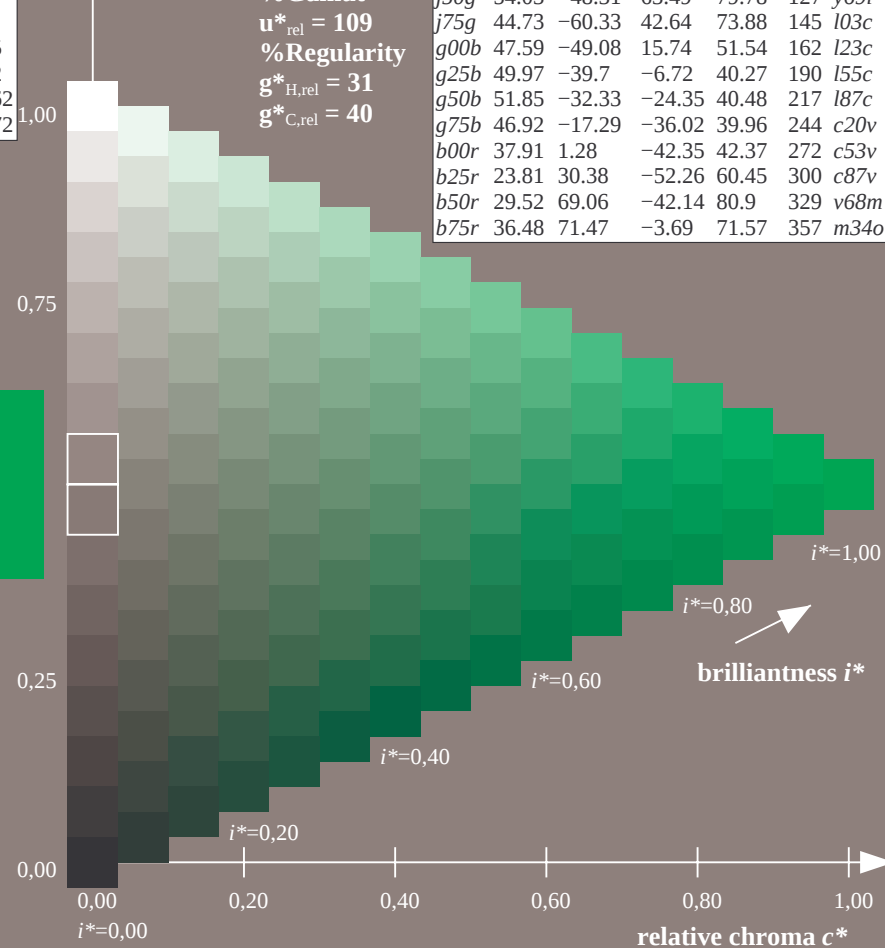
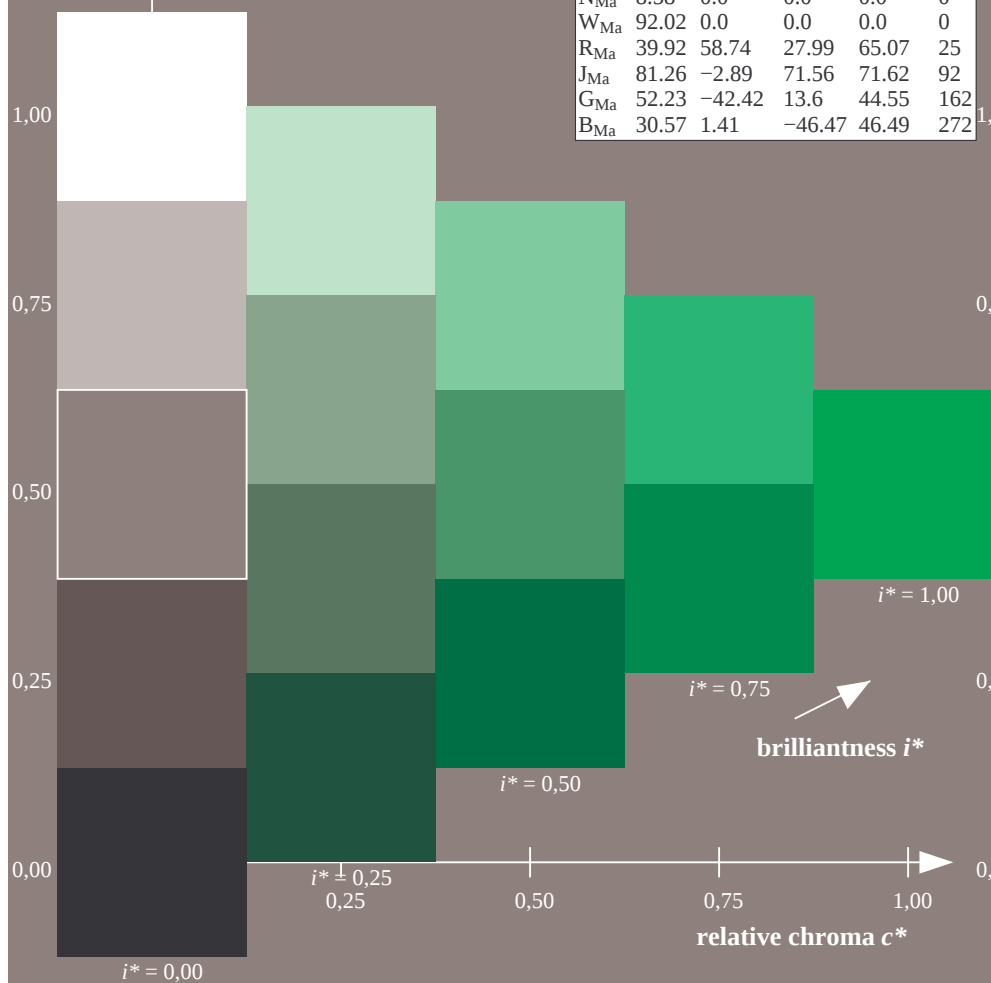
$u^*_{rel} = 109$

%Regularity

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

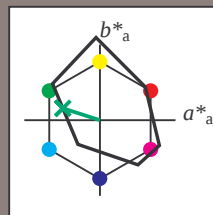
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

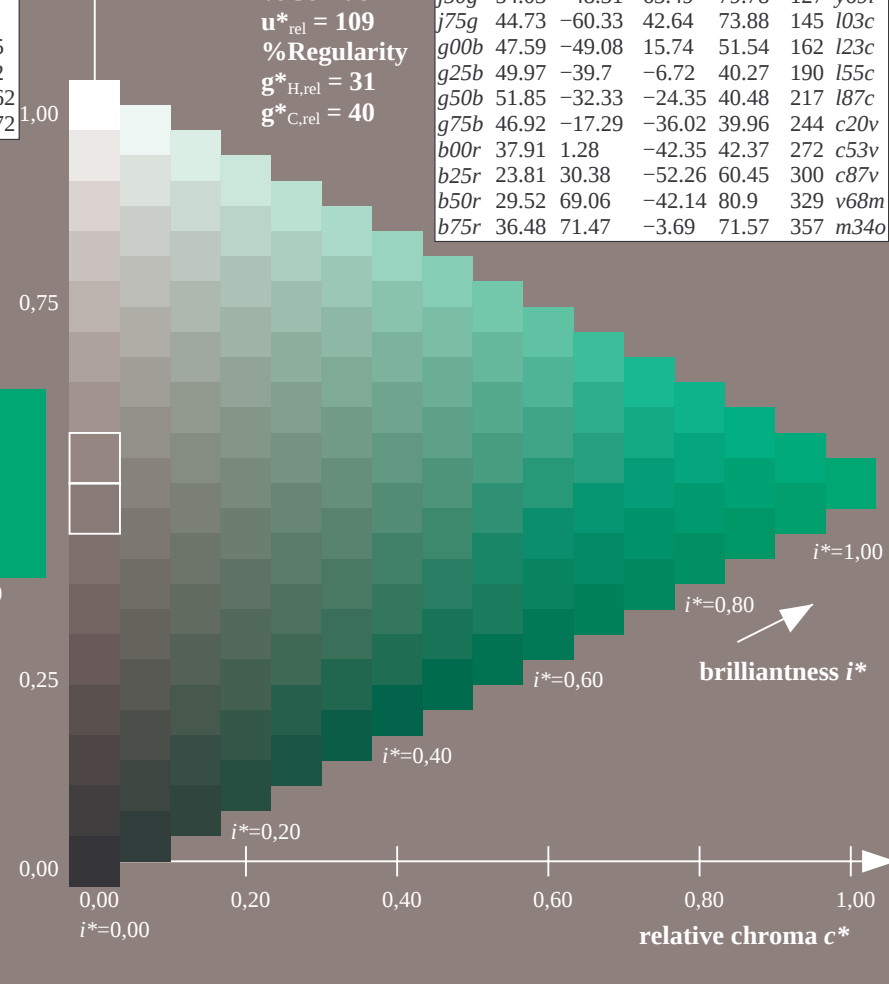
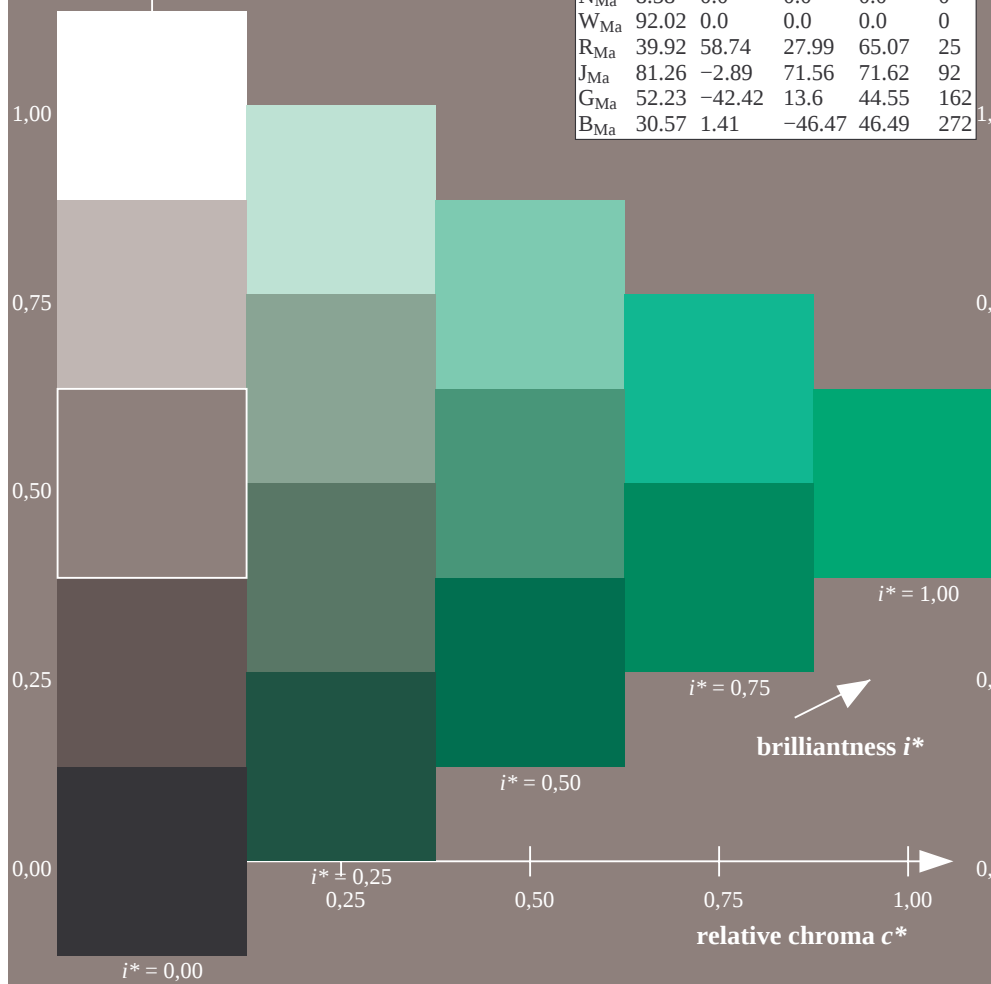
$u^*_{rel} = 109$

%Regularity

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

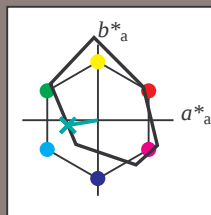
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

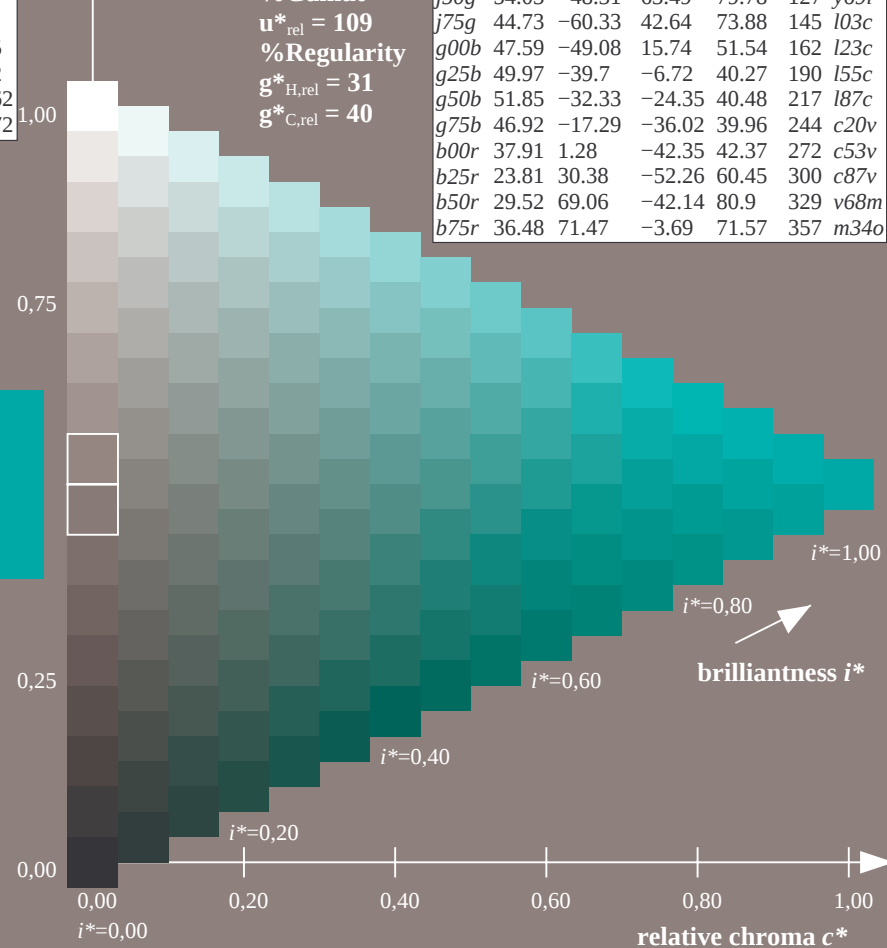
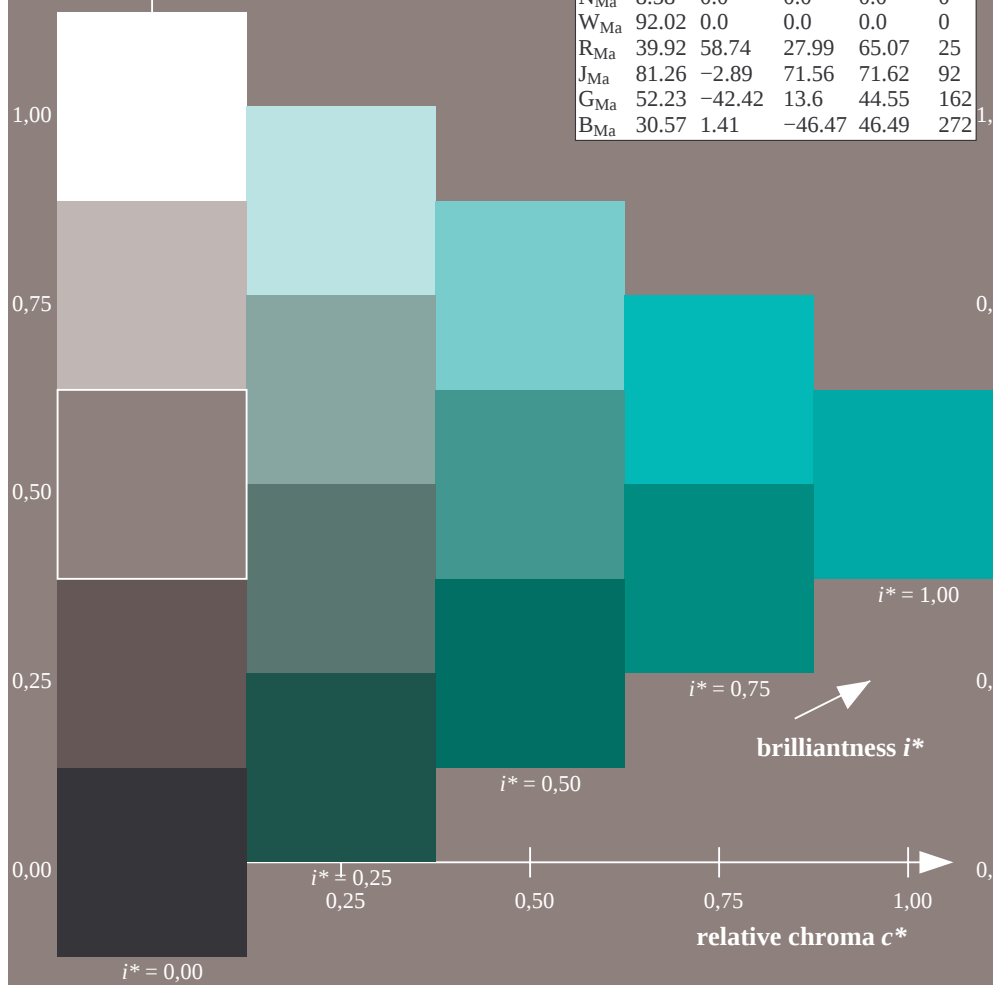
$u^*_{rel} = 109$

%Regularity

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

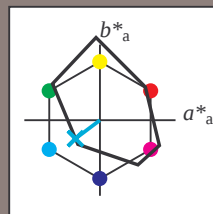
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

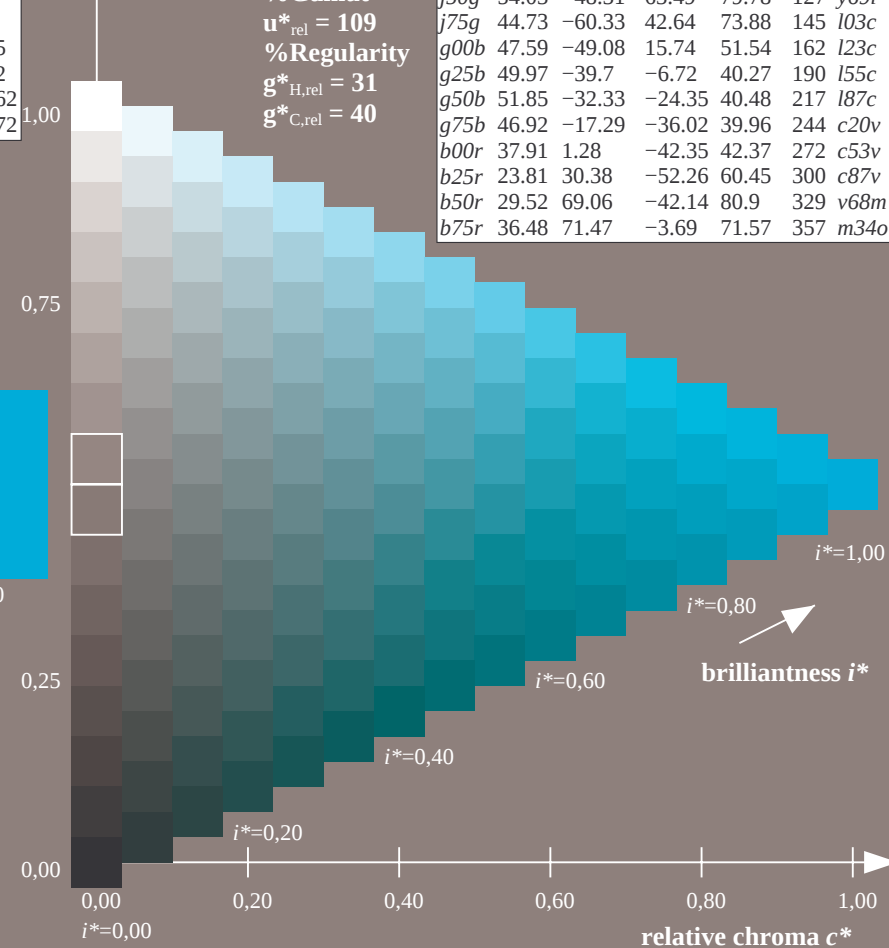
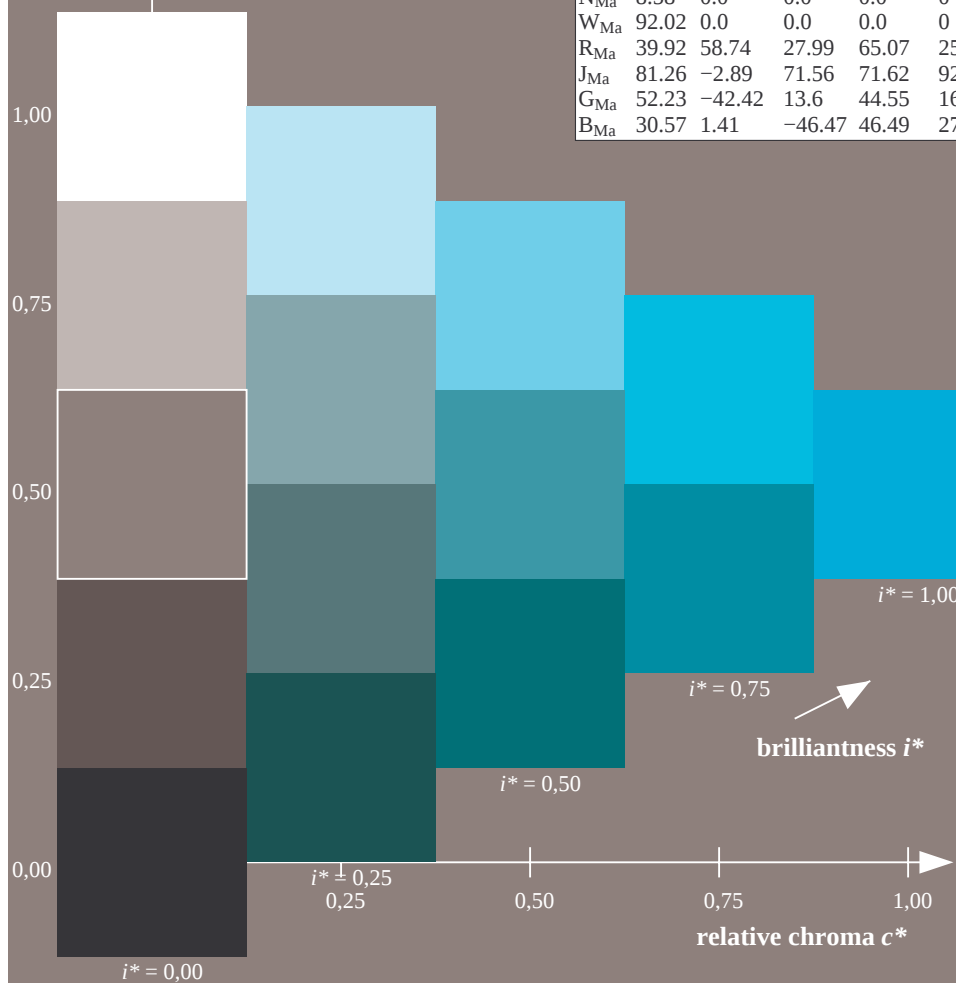
$u^*_{rel} = 109$

%Regularity

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

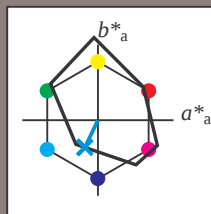
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

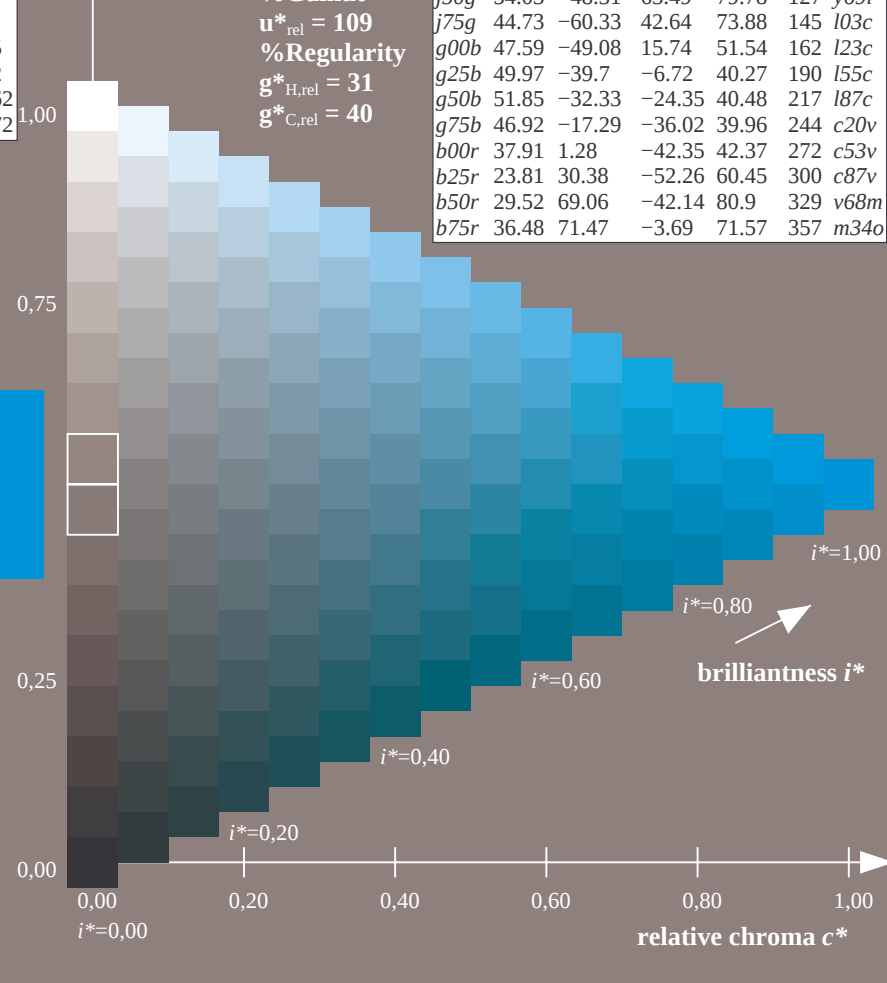
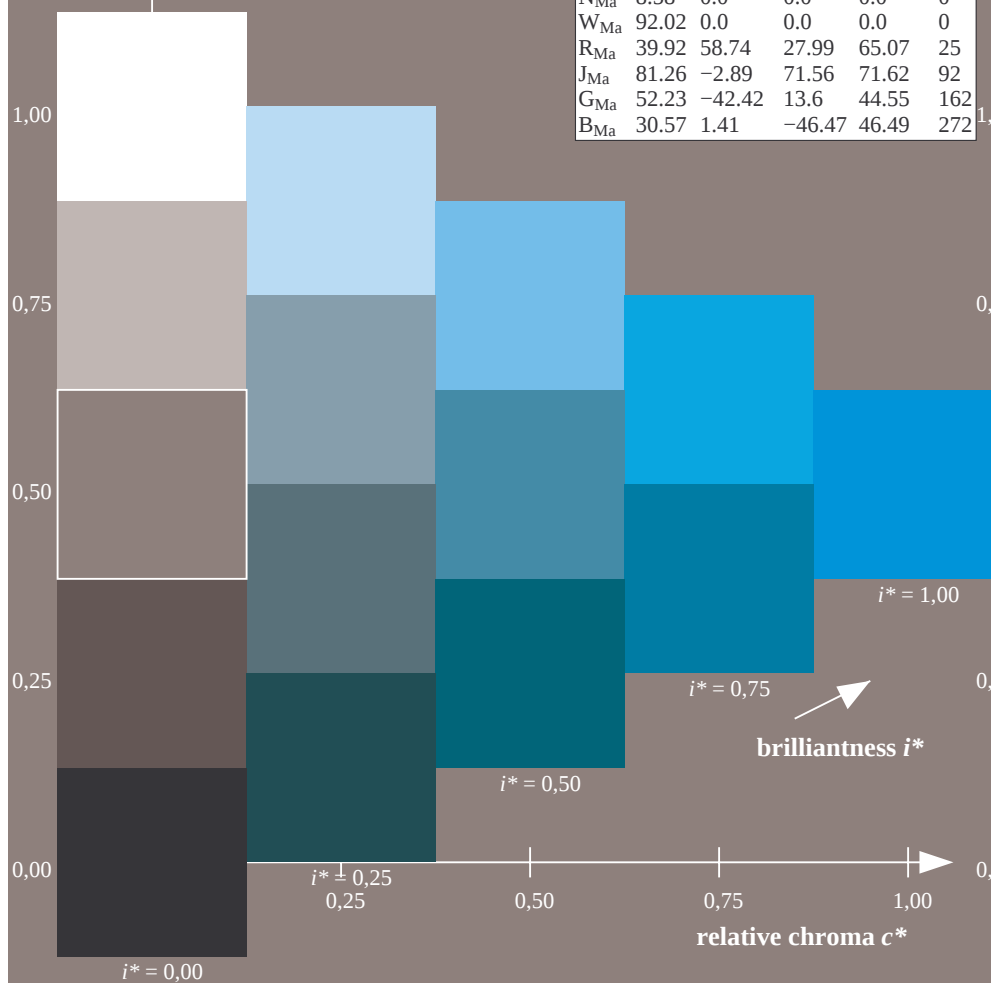
$u^*_{rel} = 109$

%Regularity

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

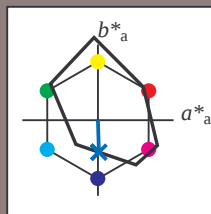
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

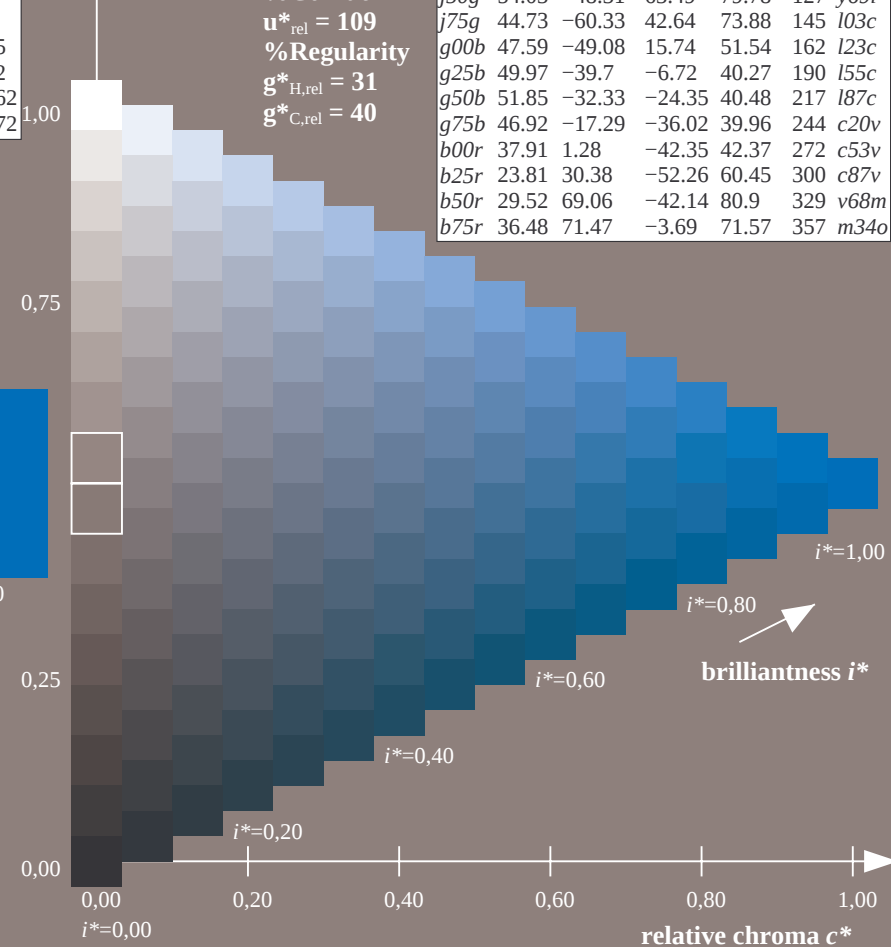
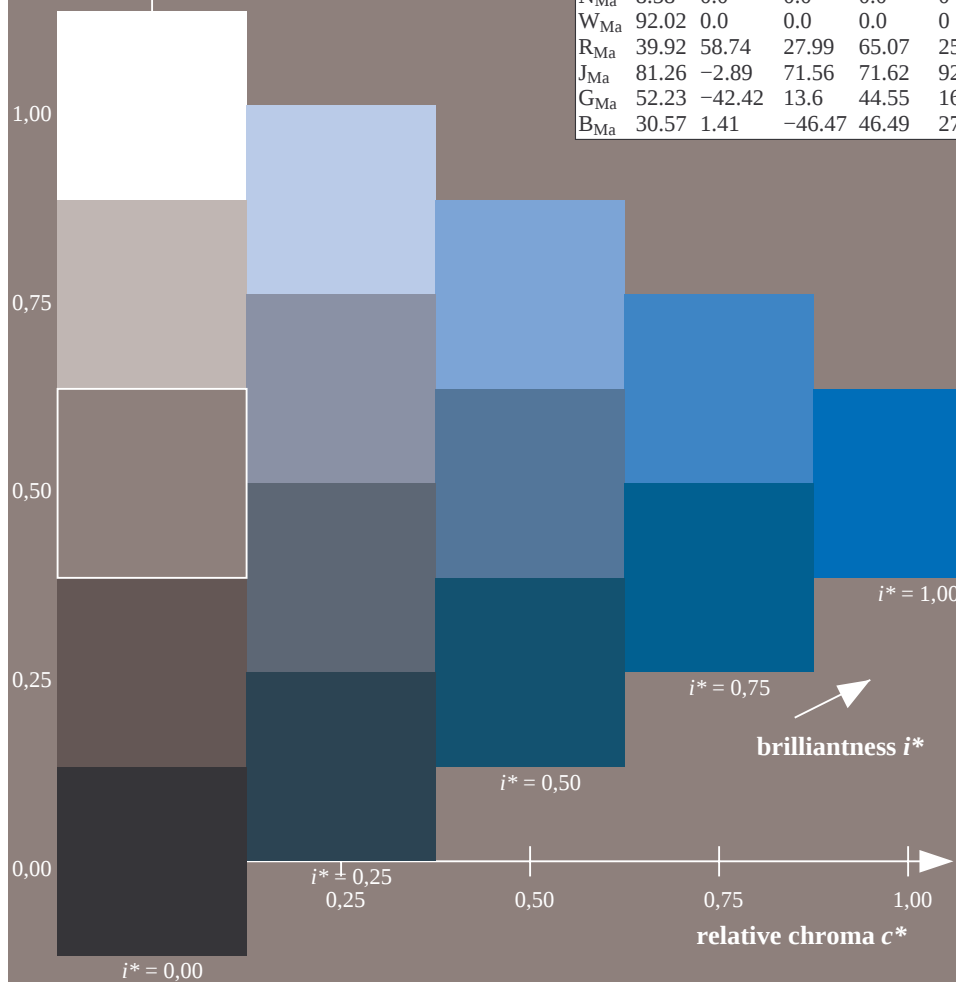
$u^*_{rel} = 109$

%Regularity

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

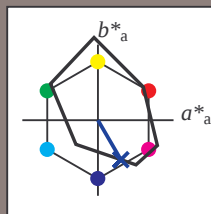
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b25r$ $u_d^* = c87v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 24 30 -52

LAB^*LCH^*Ma : 24 60 300

lab^*rgb^*Ma : 0.5 0.0 1.0

lab^*olv^*Ma : 0.0 0.12 1.0

triangle lightness t^*

%Gamut

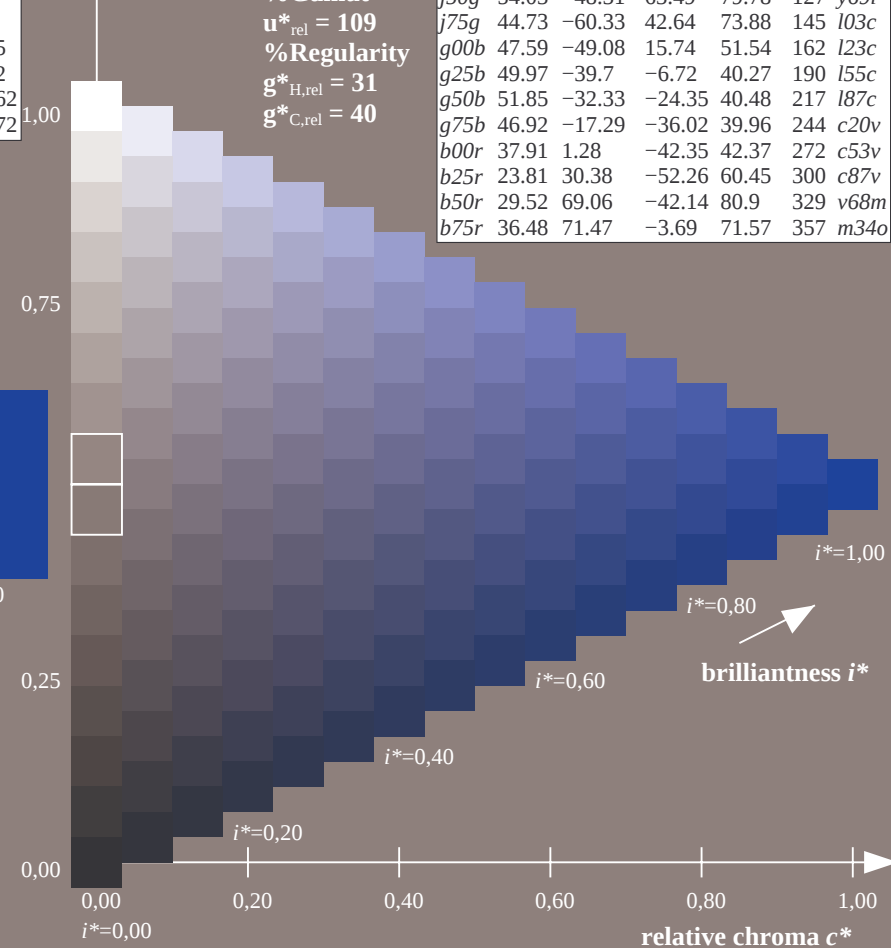
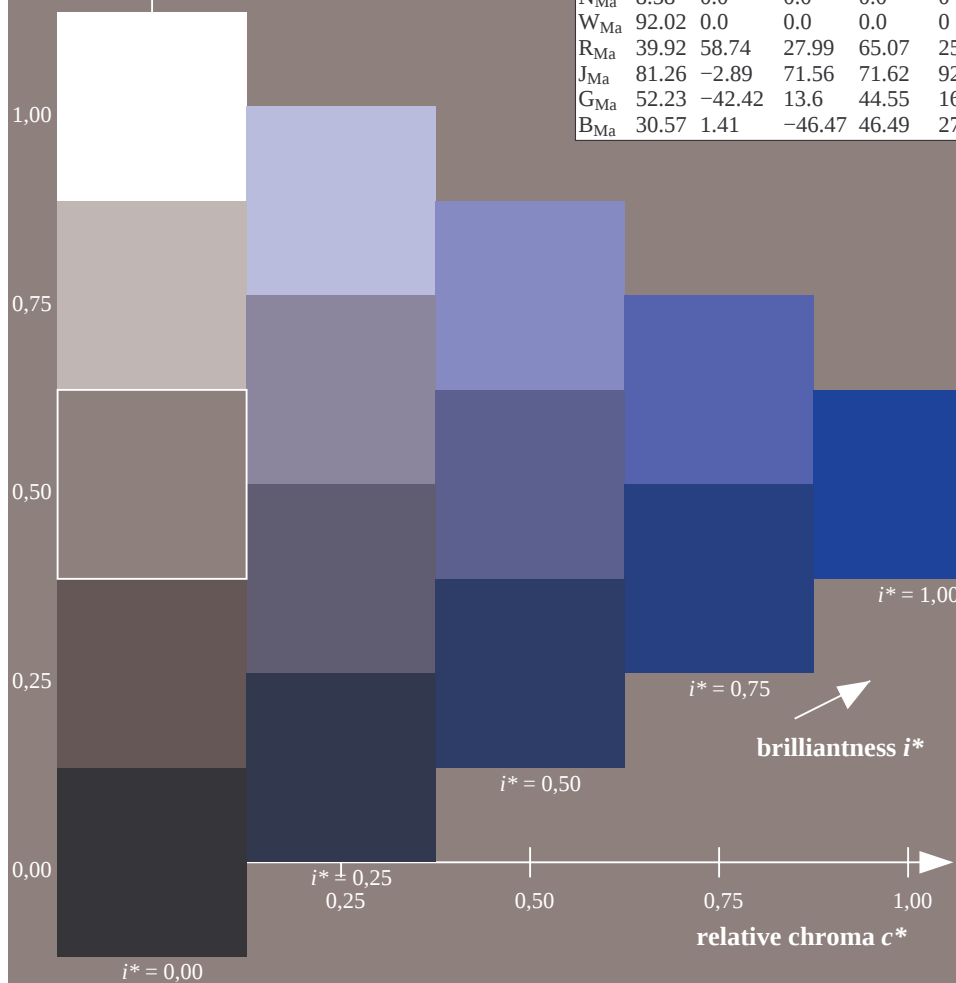
$u_{rel}^* = 109$

%Regularity

$g_{H,rel}^* = 31$

$g_{C,rel}^* = 40$

FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:

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

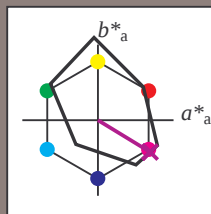
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

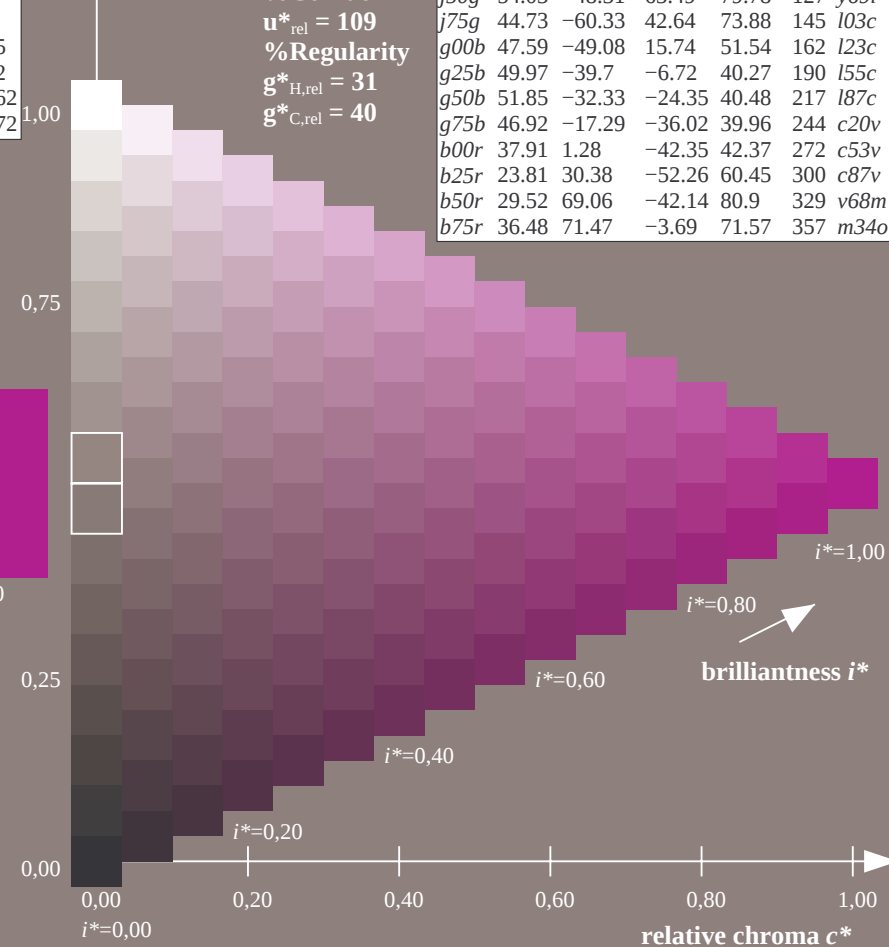
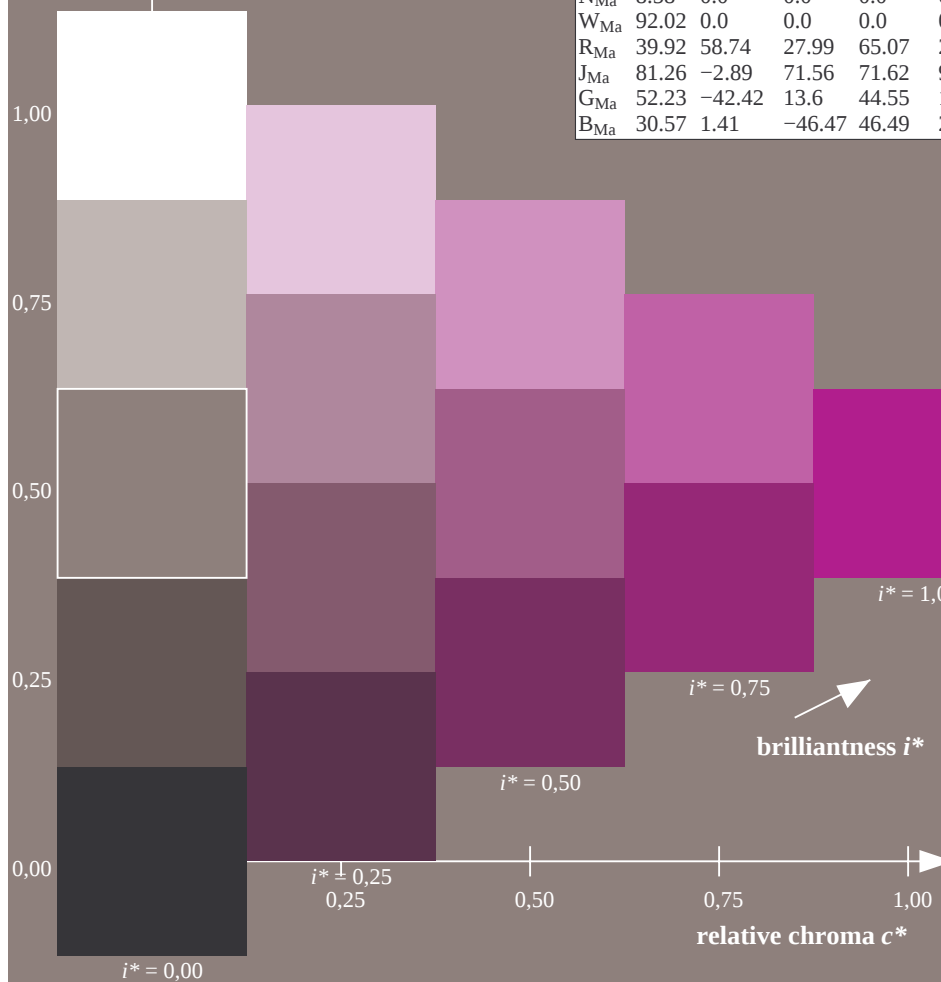
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:

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

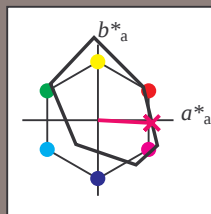
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

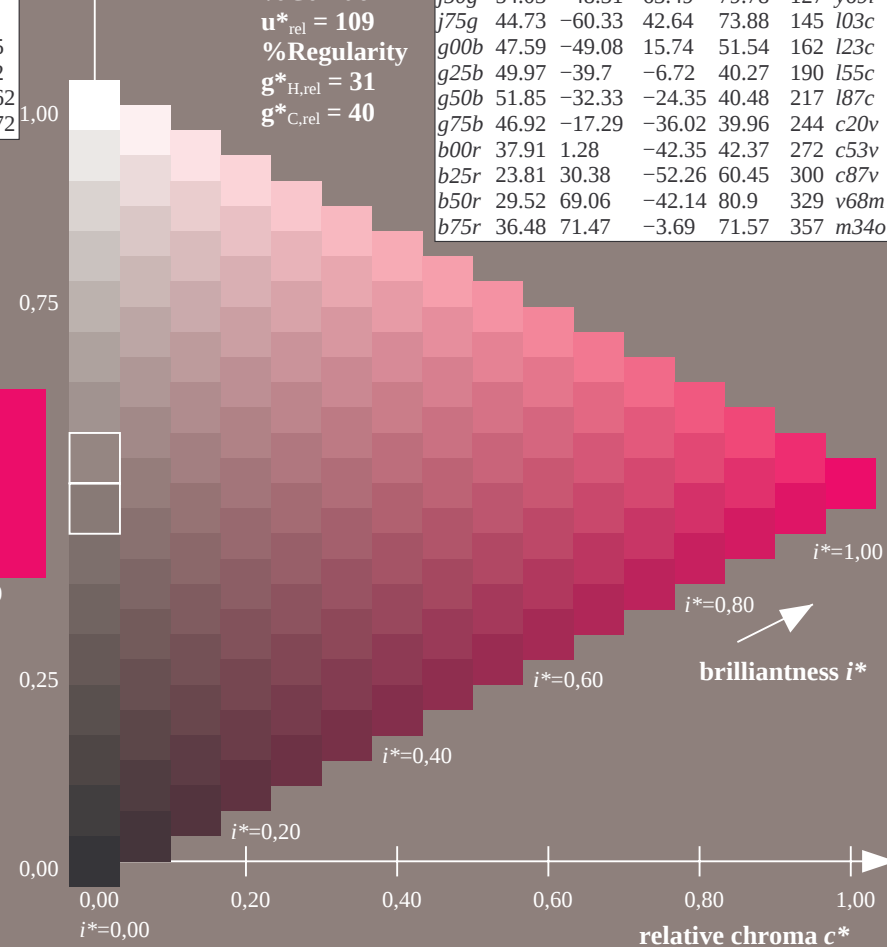
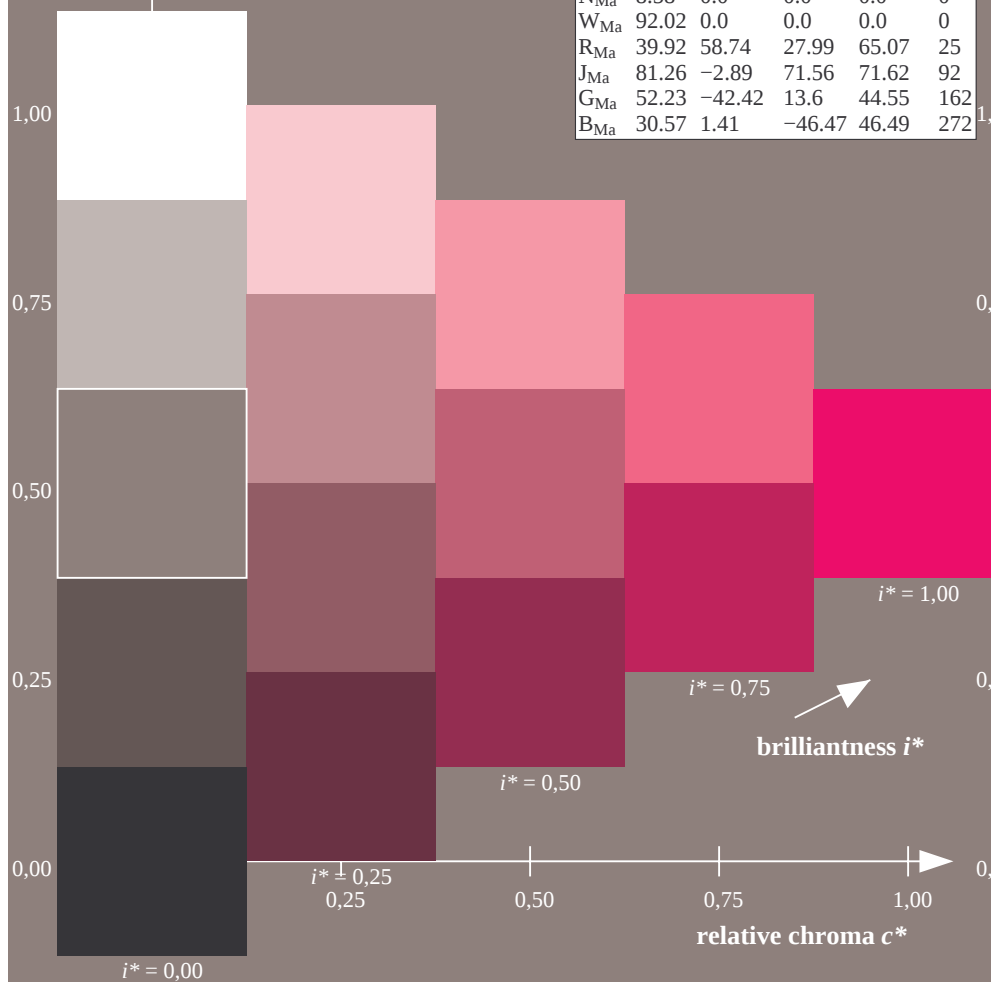
%Regularity

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

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

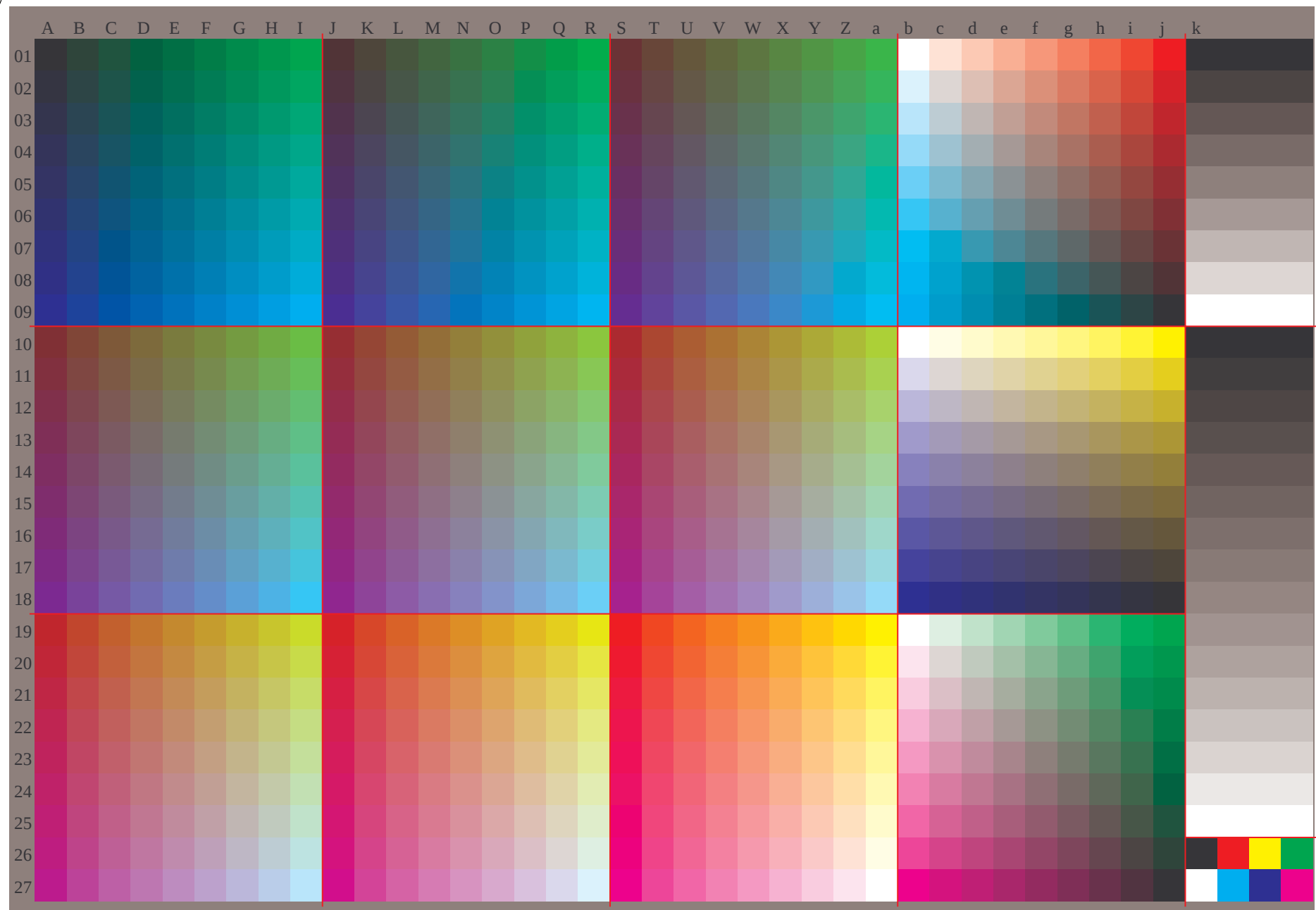
FRS09_92a; adapted (a) CIELAB data

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



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/10L/L36E00NP.PS/.PDF
Technical information: [http://www.ps.bam.de/Version 2.1, io=1,1, ColSpx=0](http://www.ps.bam.de/Version%202.1,%20io=1,1,%20ColSpx=0)

BAM registration: 20081001-Ee36/10L/L36E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

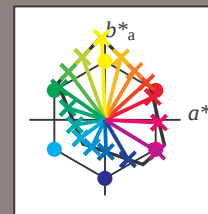


Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

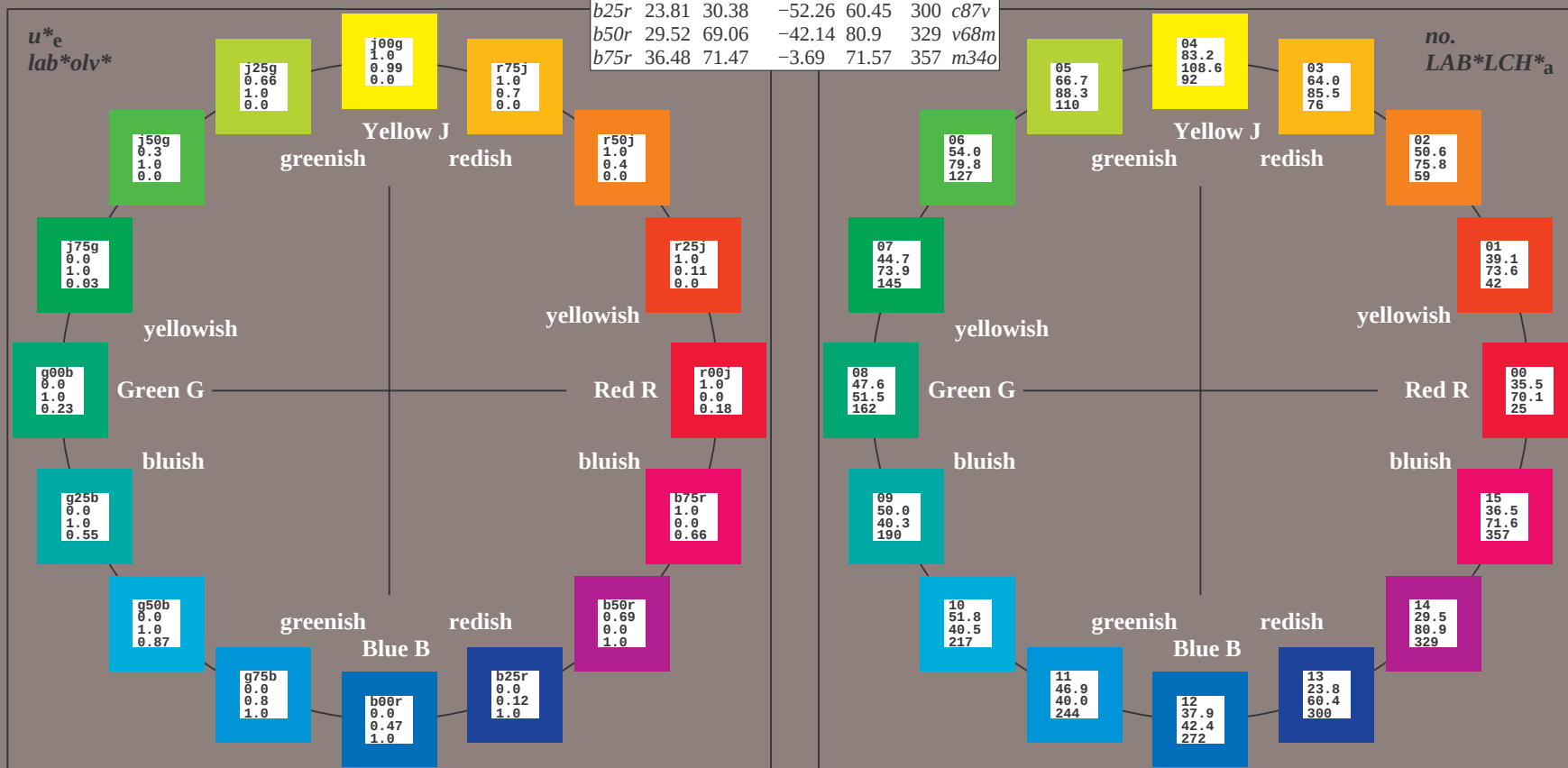
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	-5.17	109.32	109.44	93
L_{Ma}	44.13	-62.67	48.24	79.09	142
C_{Ma}	52.66	-29.14	-31.99	43.27	228
V_{Ma}	14.15	50.3	-59.04	77.57	310
M_{Ma}	37.37	78.64	-33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	95
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

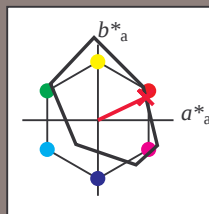
Hue texts:

$u^*_e = r00j$ $u^*_d = m81o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

% Gamut

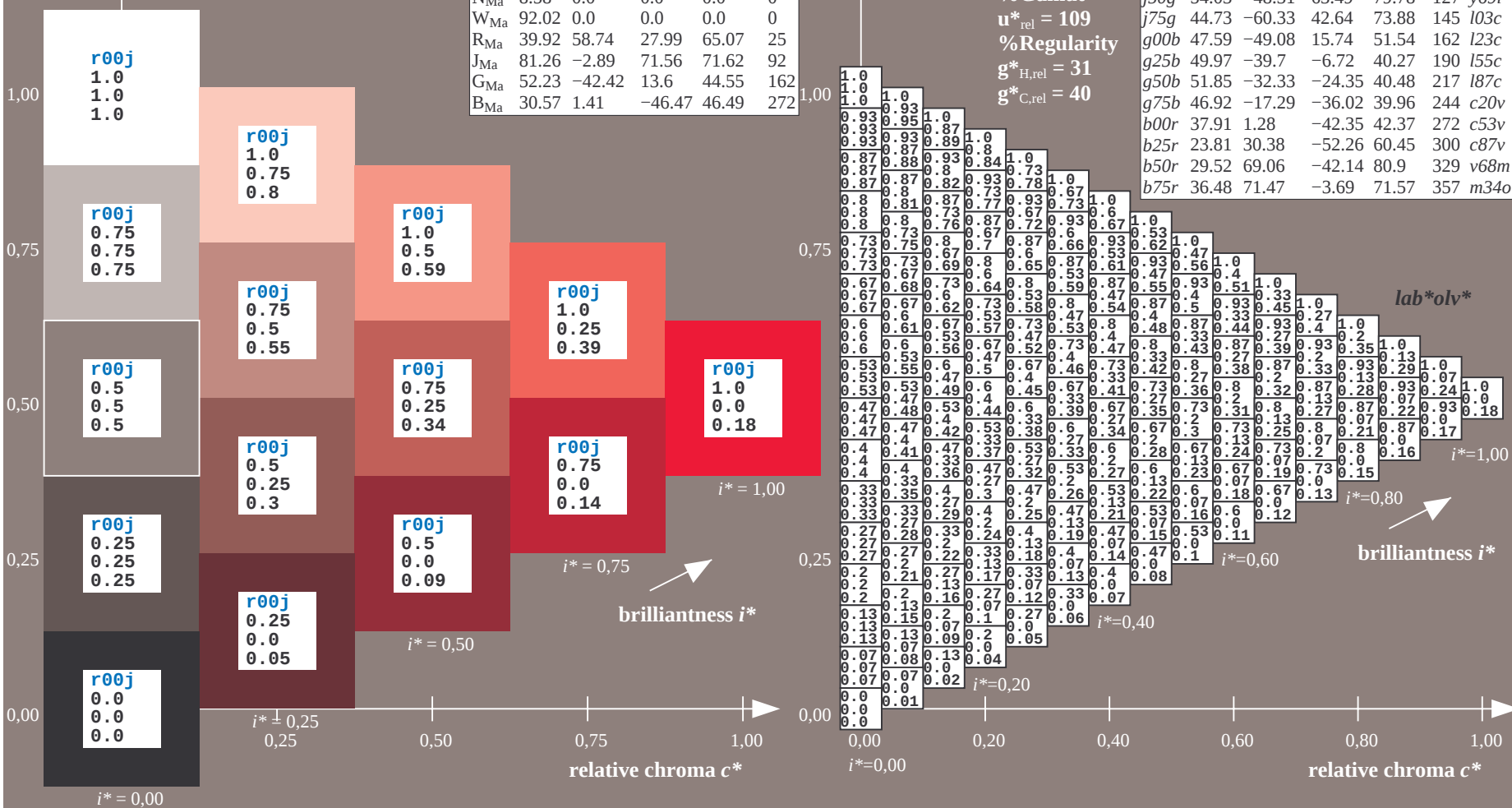
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

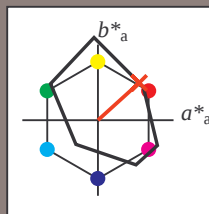
Hue texts:

$u^*_e = r25j$ $u^*_d = o10y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

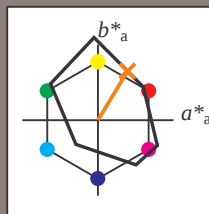
Hue texts:

$u^*_e = r50j$ $u^*_d = o40y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

% Gamut

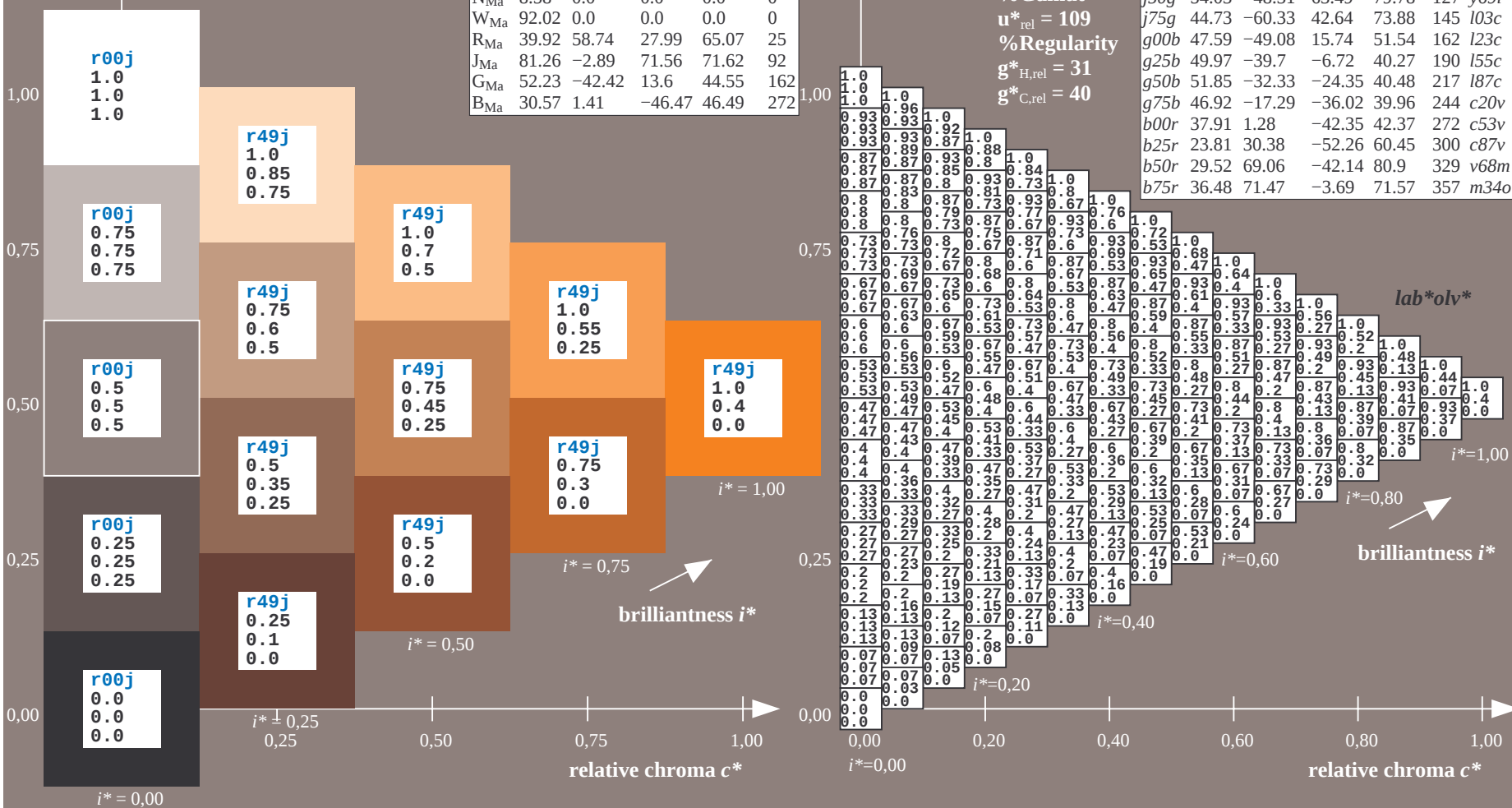
$u^*_{rel} = 109$

% Regularity

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

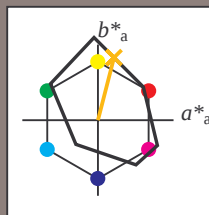
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.21$
data for any colour:
 $\text{lab} \cdot \text{tch}^*$ and $\text{lab} \cdot \text{icu}^*$

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB} \cdot \text{LAB} \cdot \text{Ma}$: 64 21 83

$\text{LAB} \cdot \text{LCH} \cdot \text{Ma}$: 64 86 75

$\text{lab} \cdot \text{rgb} \cdot \text{Ma}$: 1.0 0.75 0.0

$\text{lab} \cdot \text{olv} \cdot \text{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

% Gamut

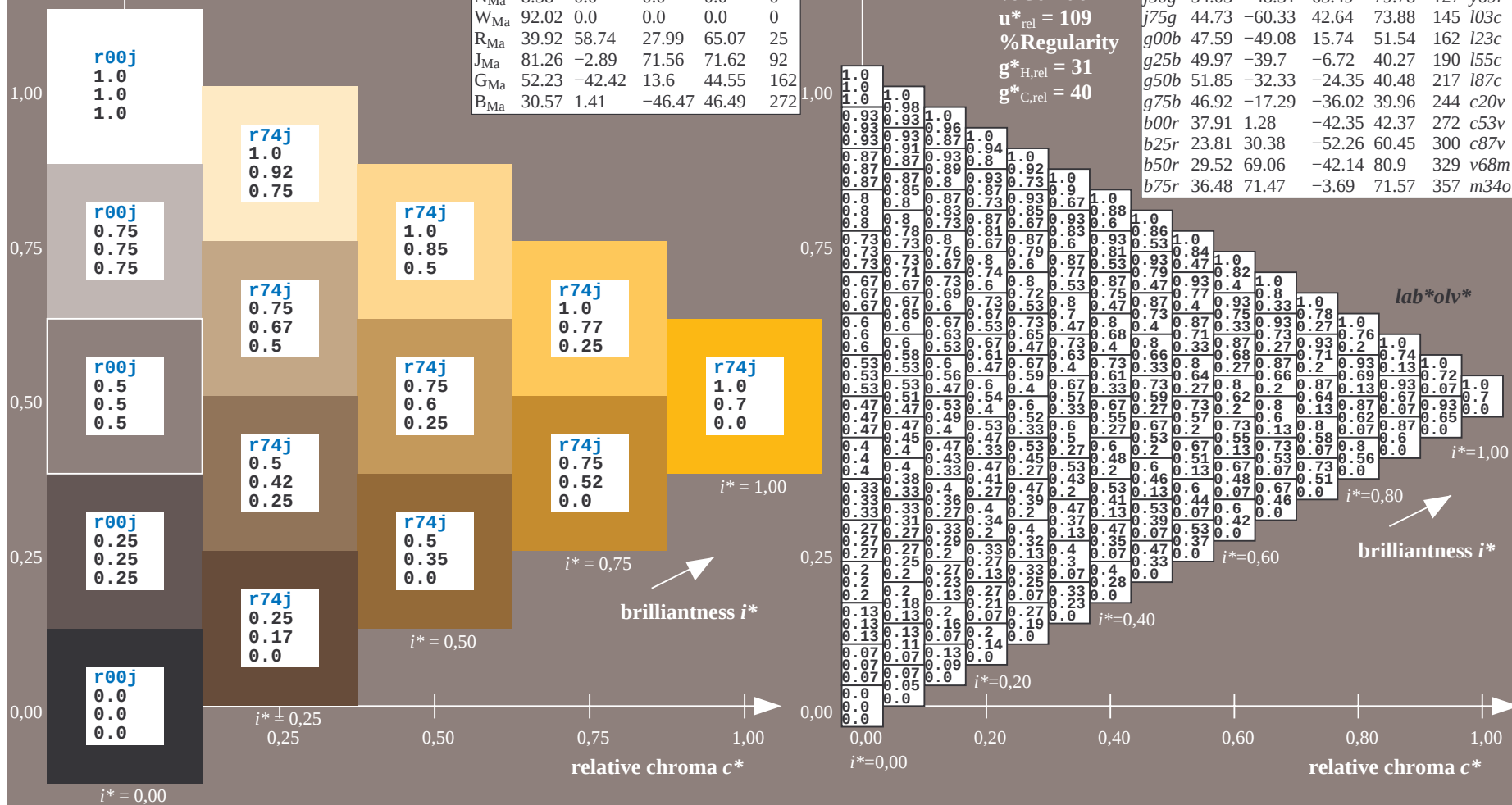
$u^*_{\text{rel}} = 109$

% Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

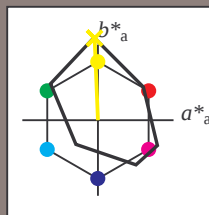
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

% Gamut

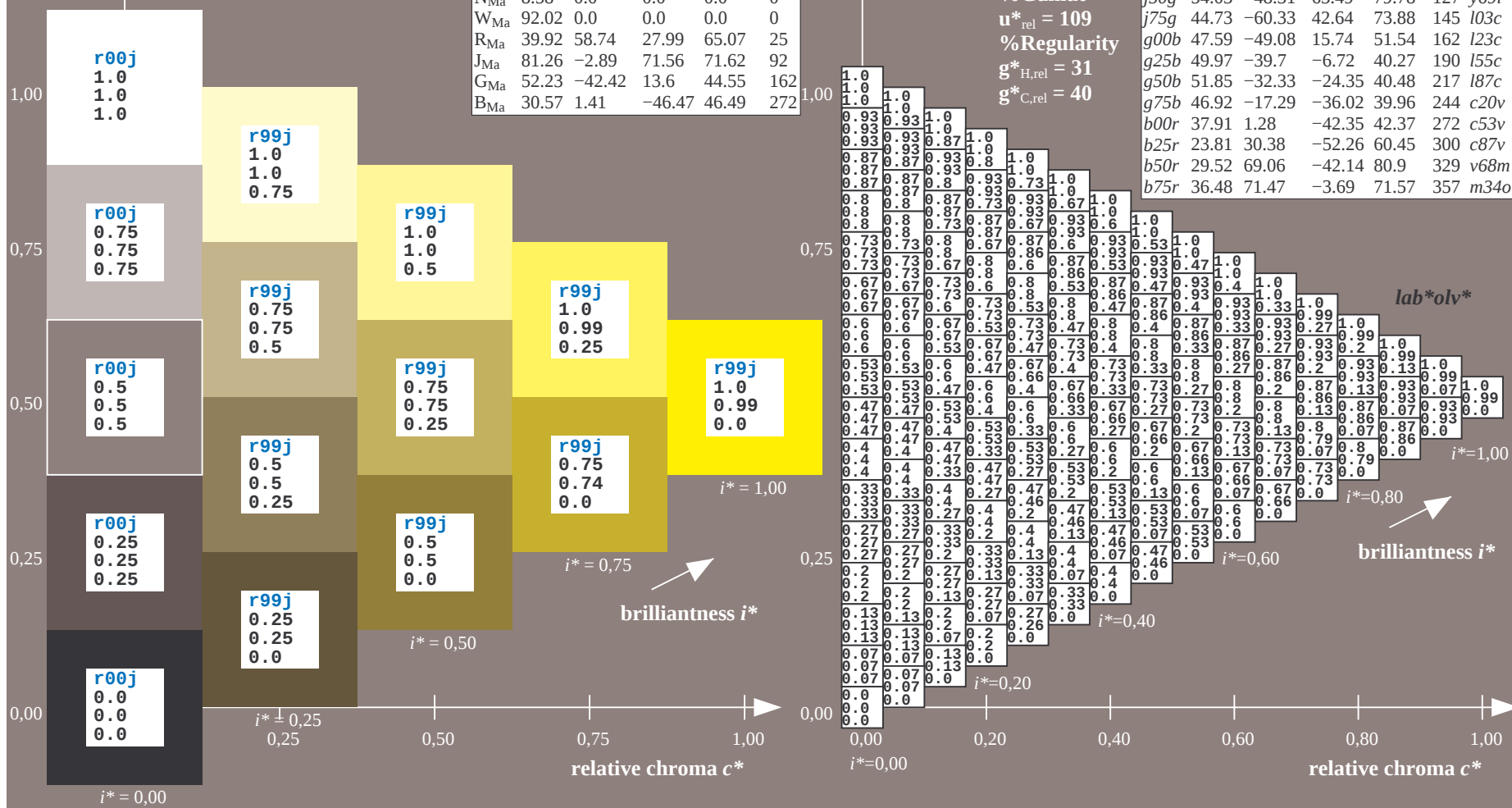
$u^*_{rel} = 109$

% Regularity

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

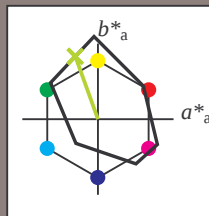
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

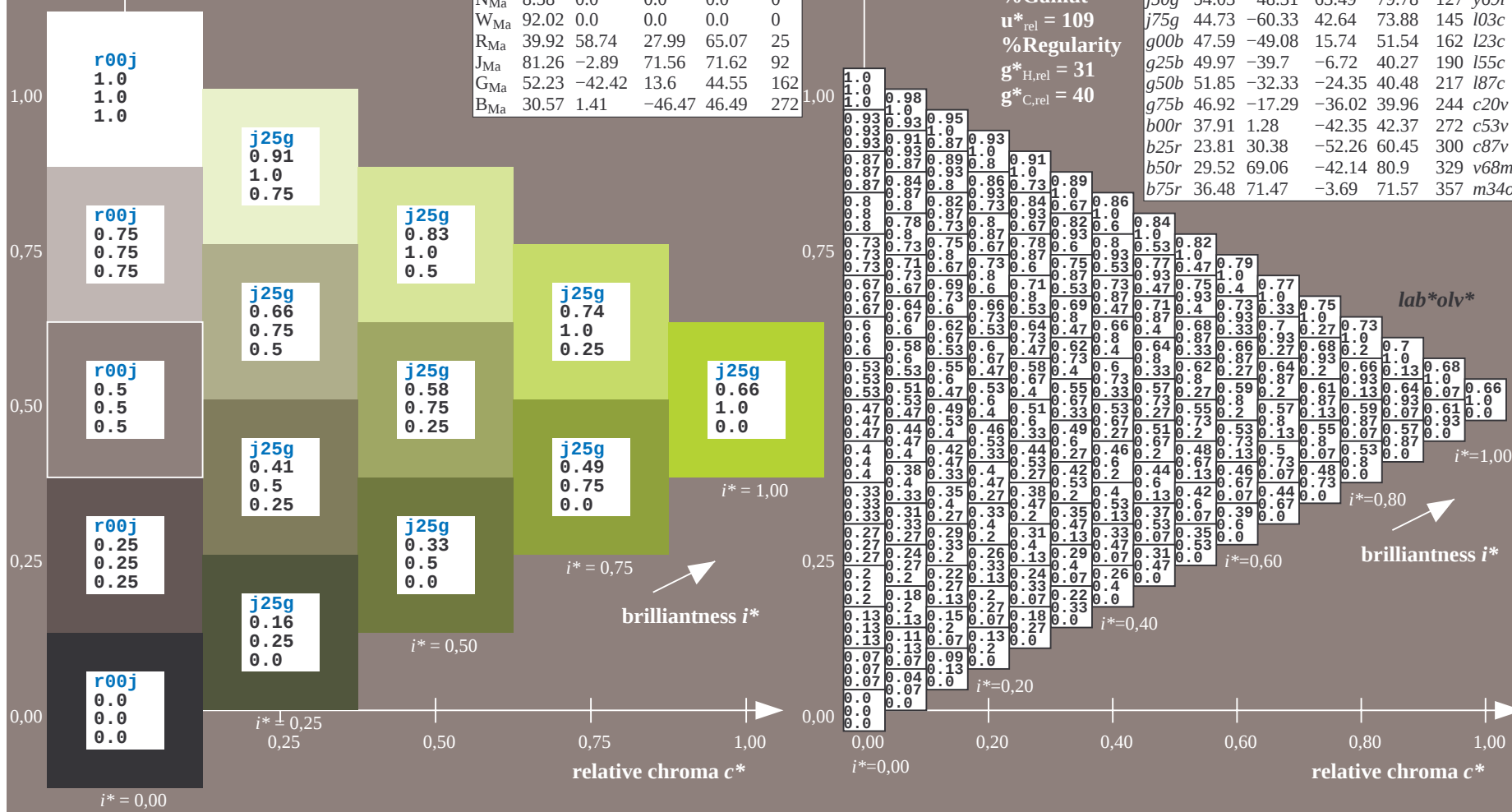
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

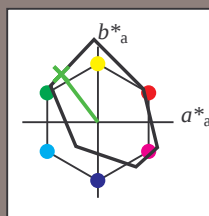
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

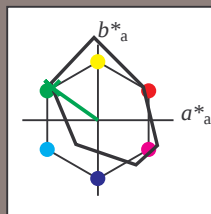
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

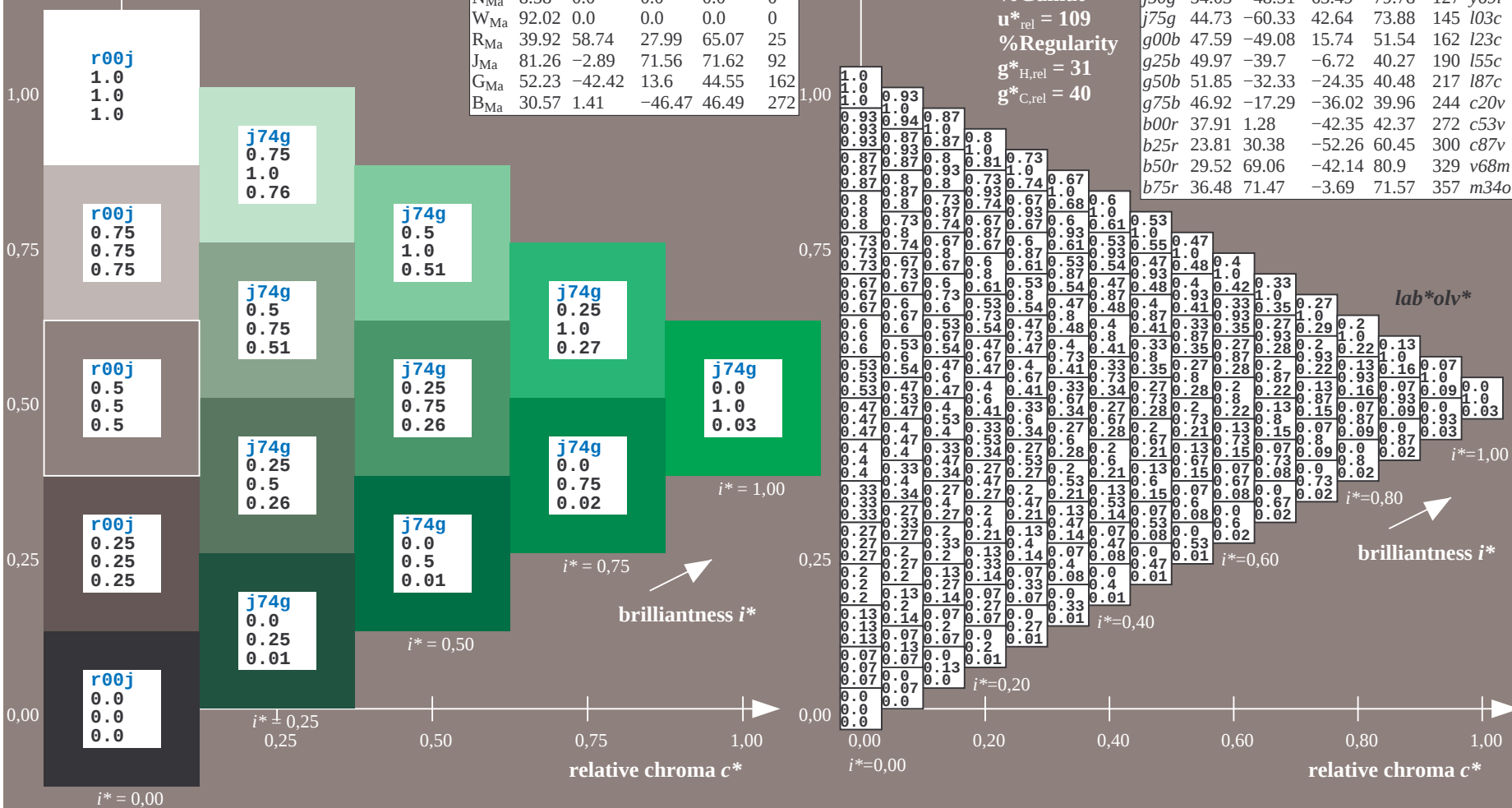
$u^*_{rel} = 109$

%Regularity

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

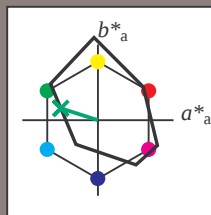
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

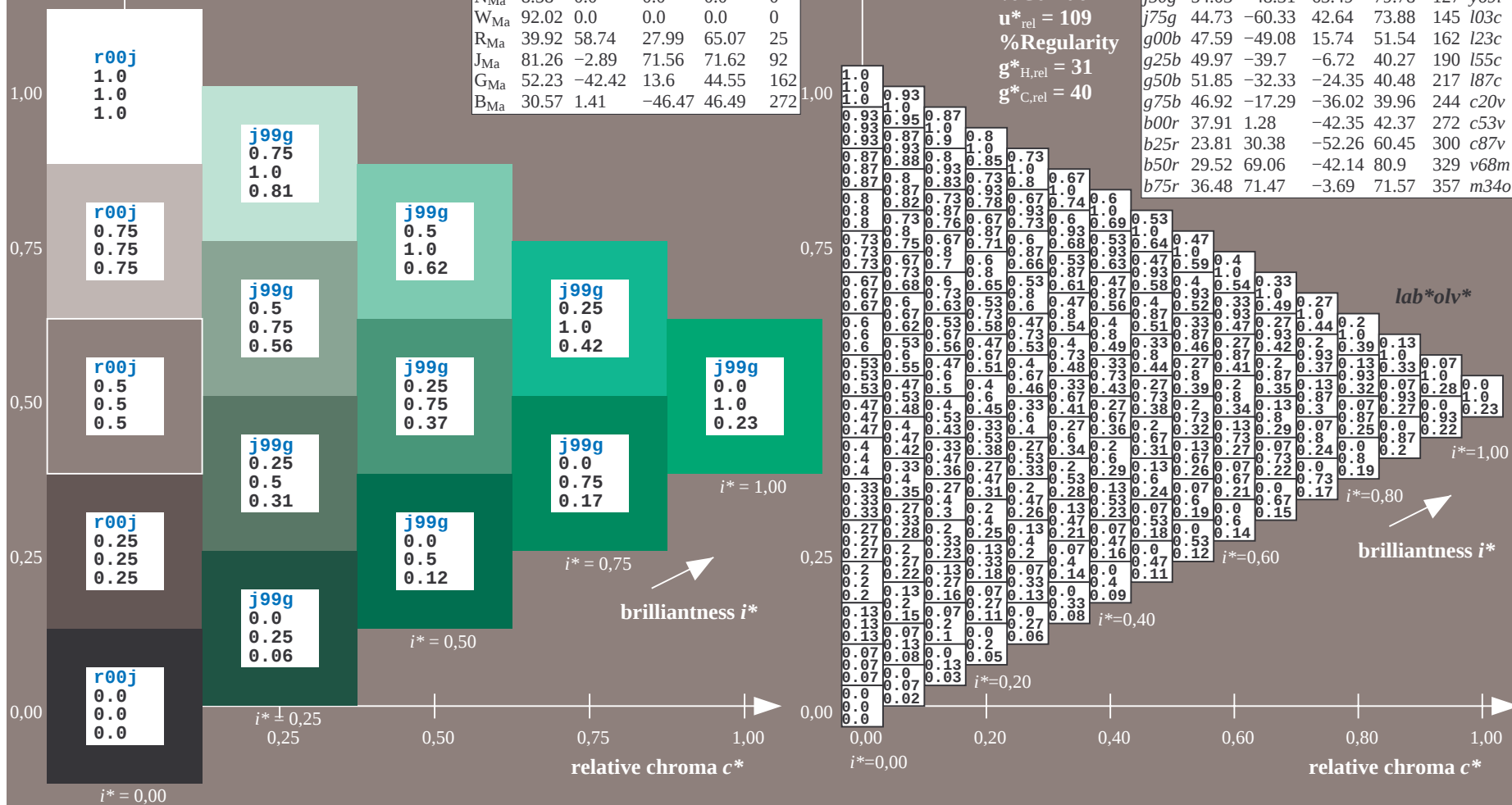
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

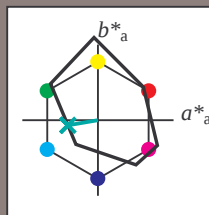
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

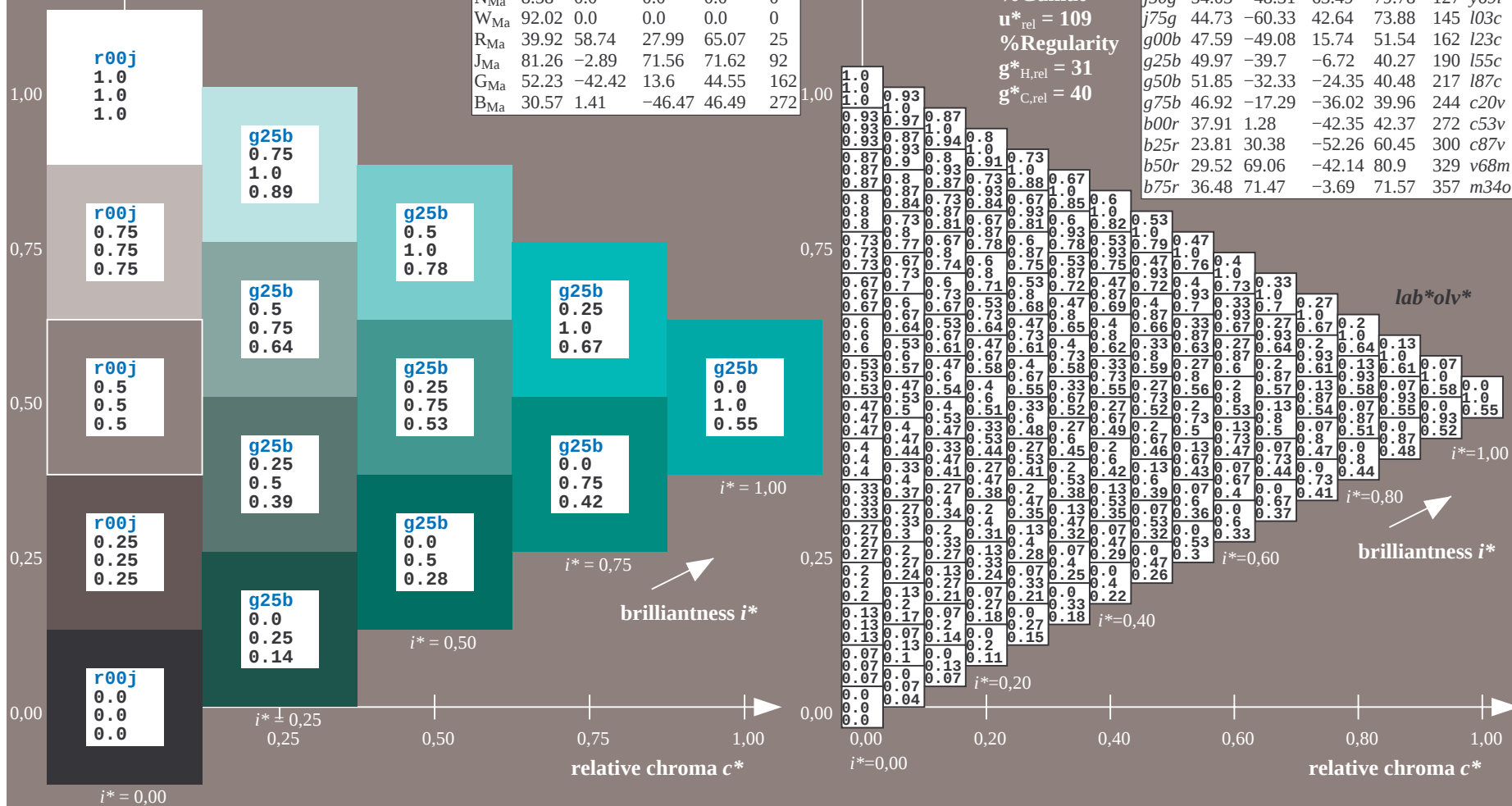
$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

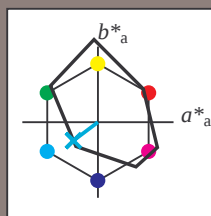
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

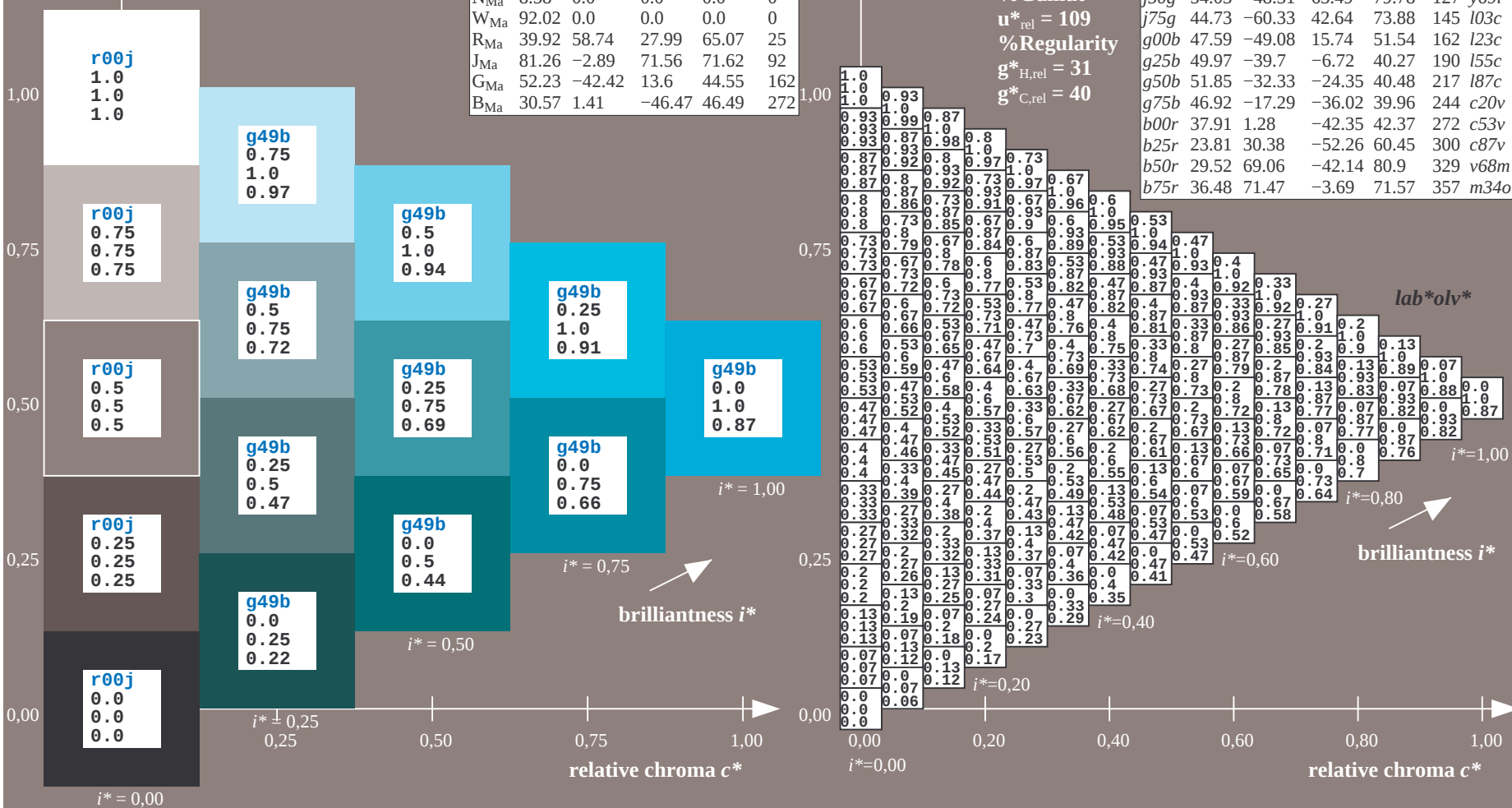
$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

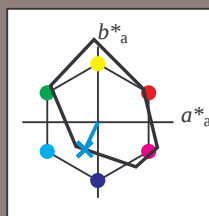
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 47 -17 -36

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

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

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

triangle lightness t^*

% Gamut

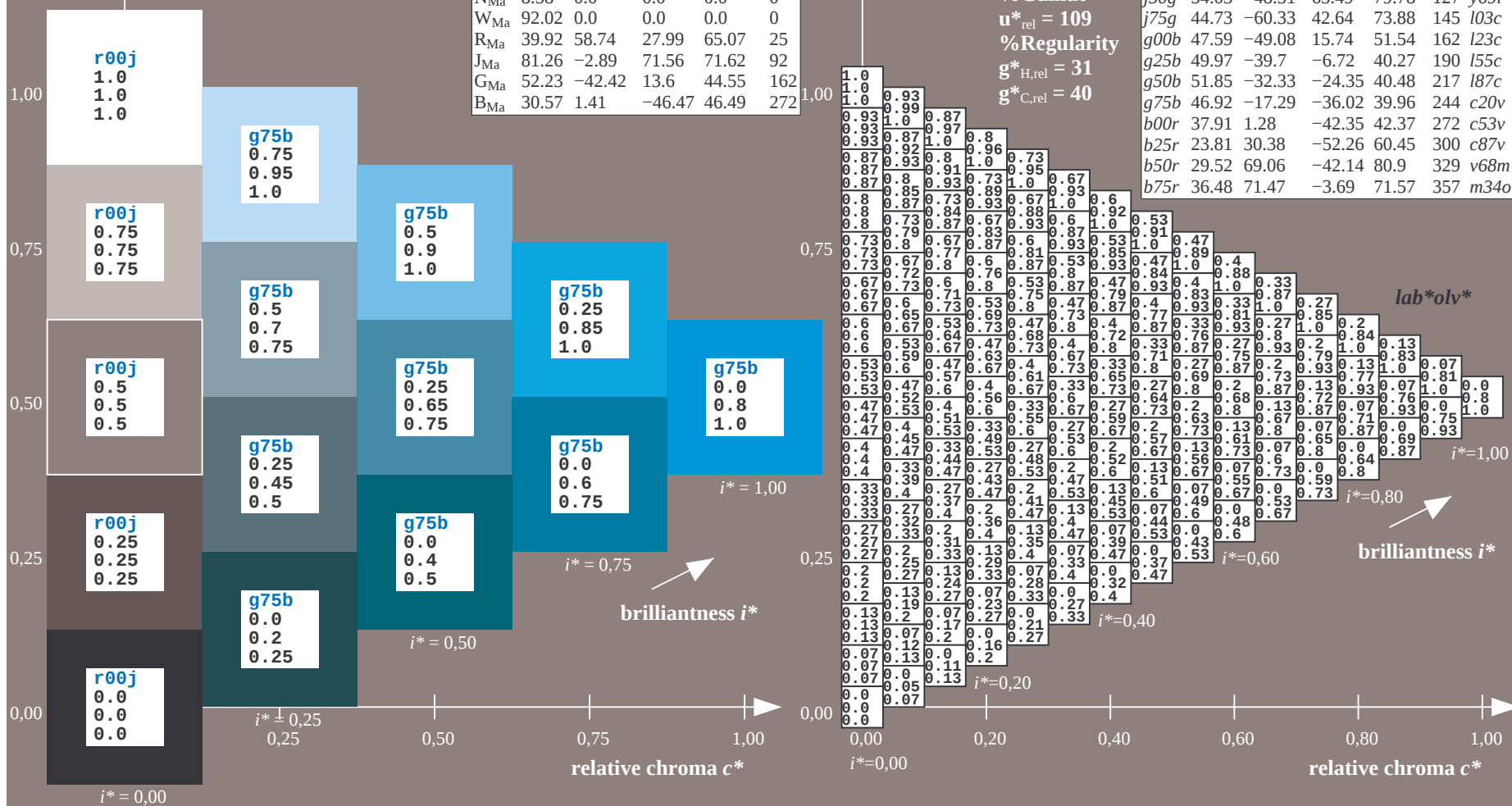
$u^*_{\text{rel}} = 109$

% Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

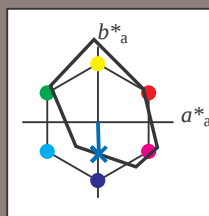
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

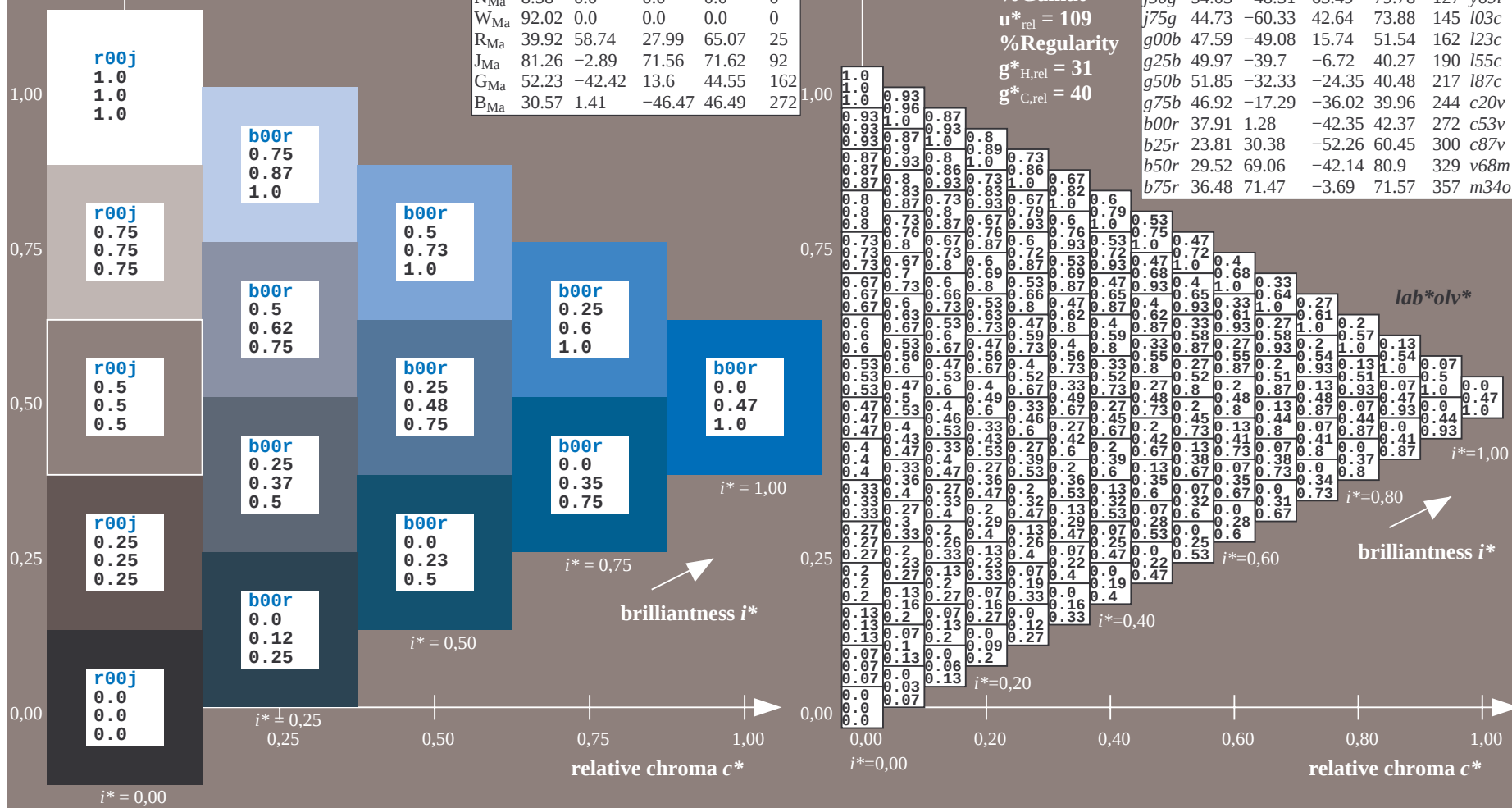
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

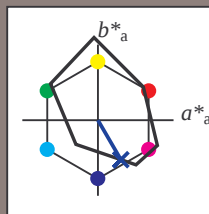
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

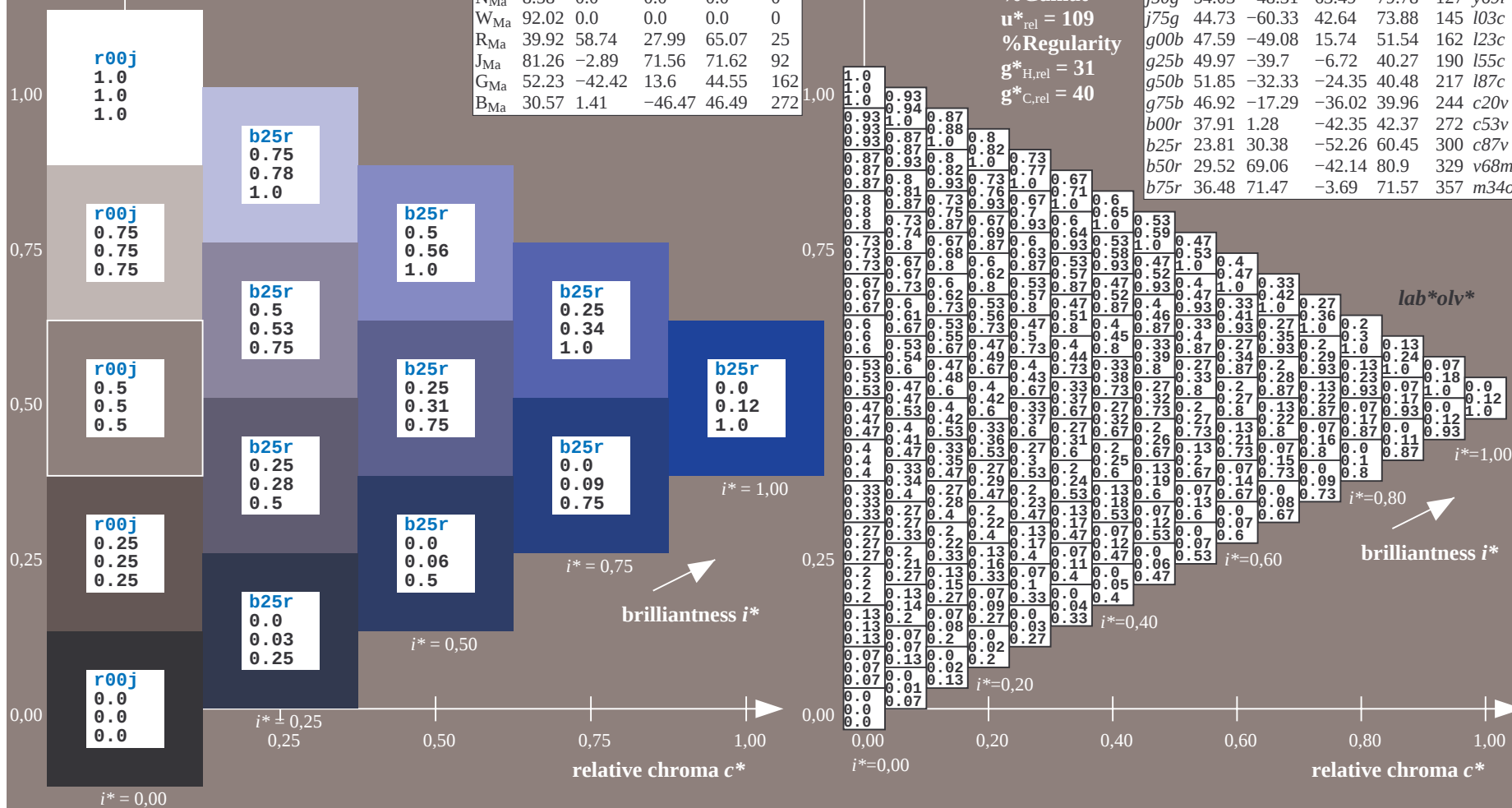
$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

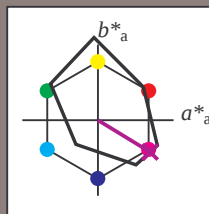
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

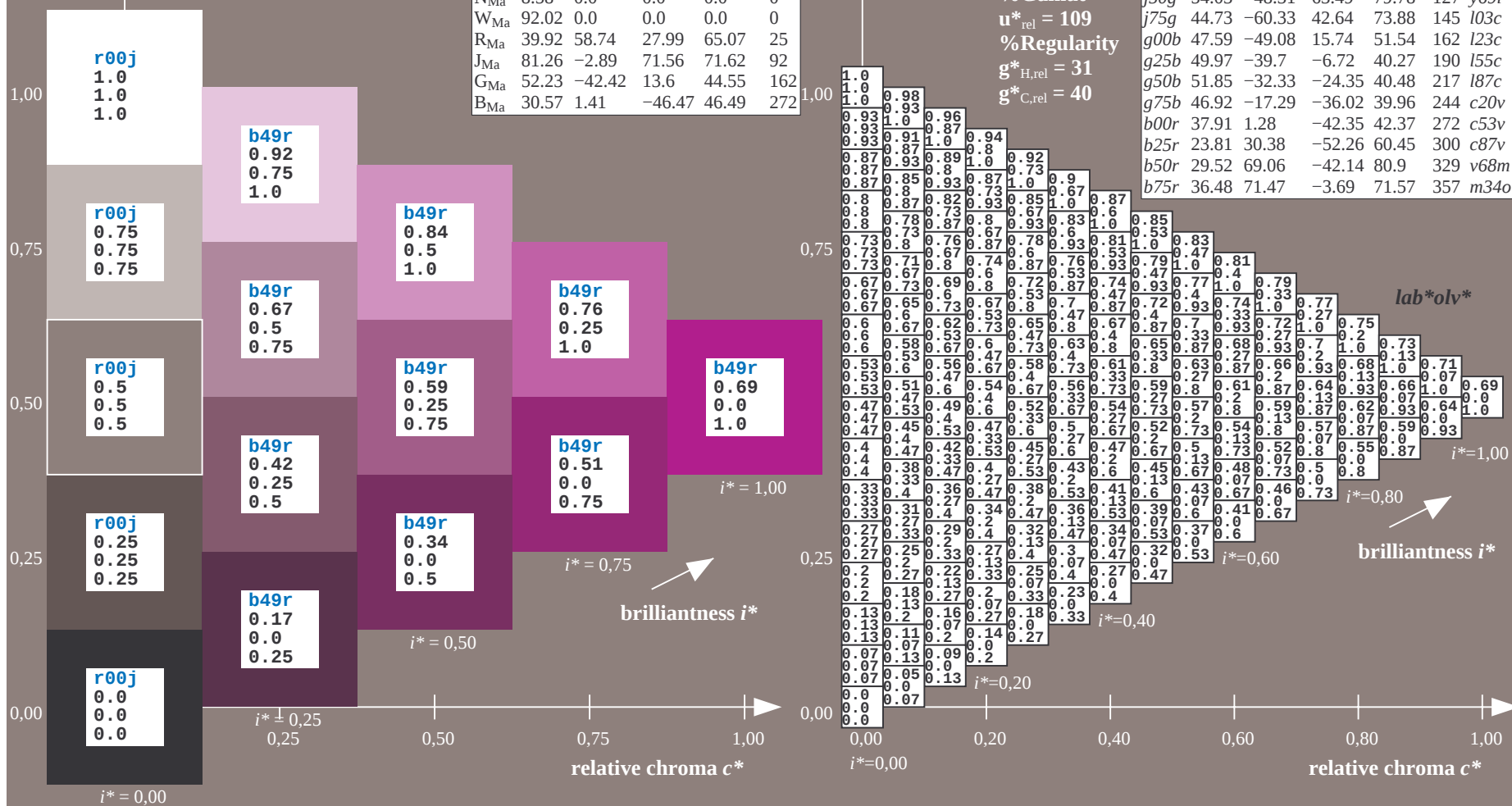
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

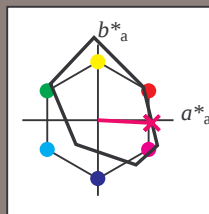
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

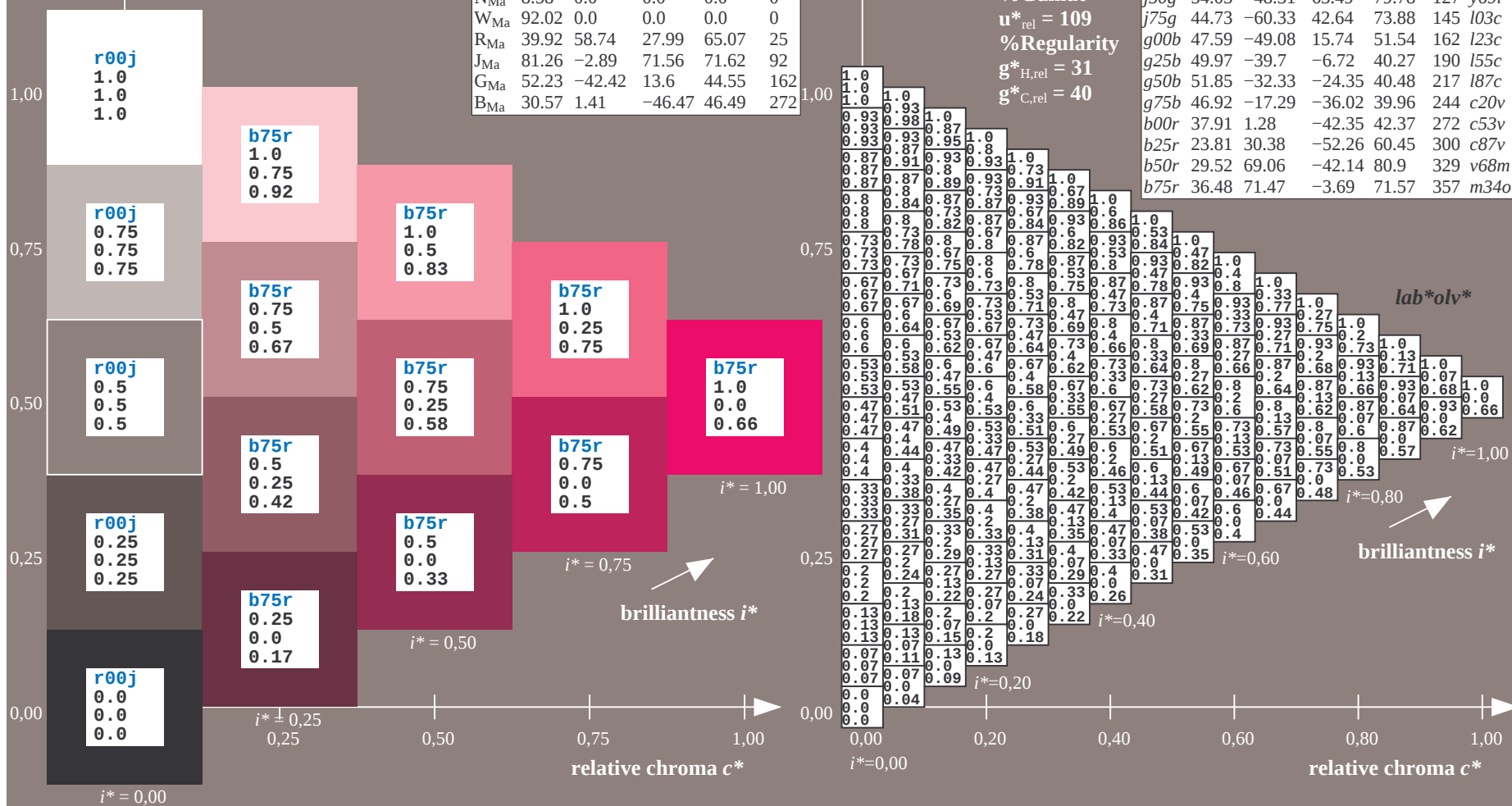
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

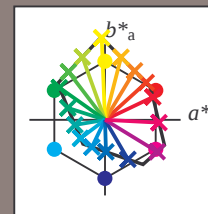


Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 u^*_e = 16 hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

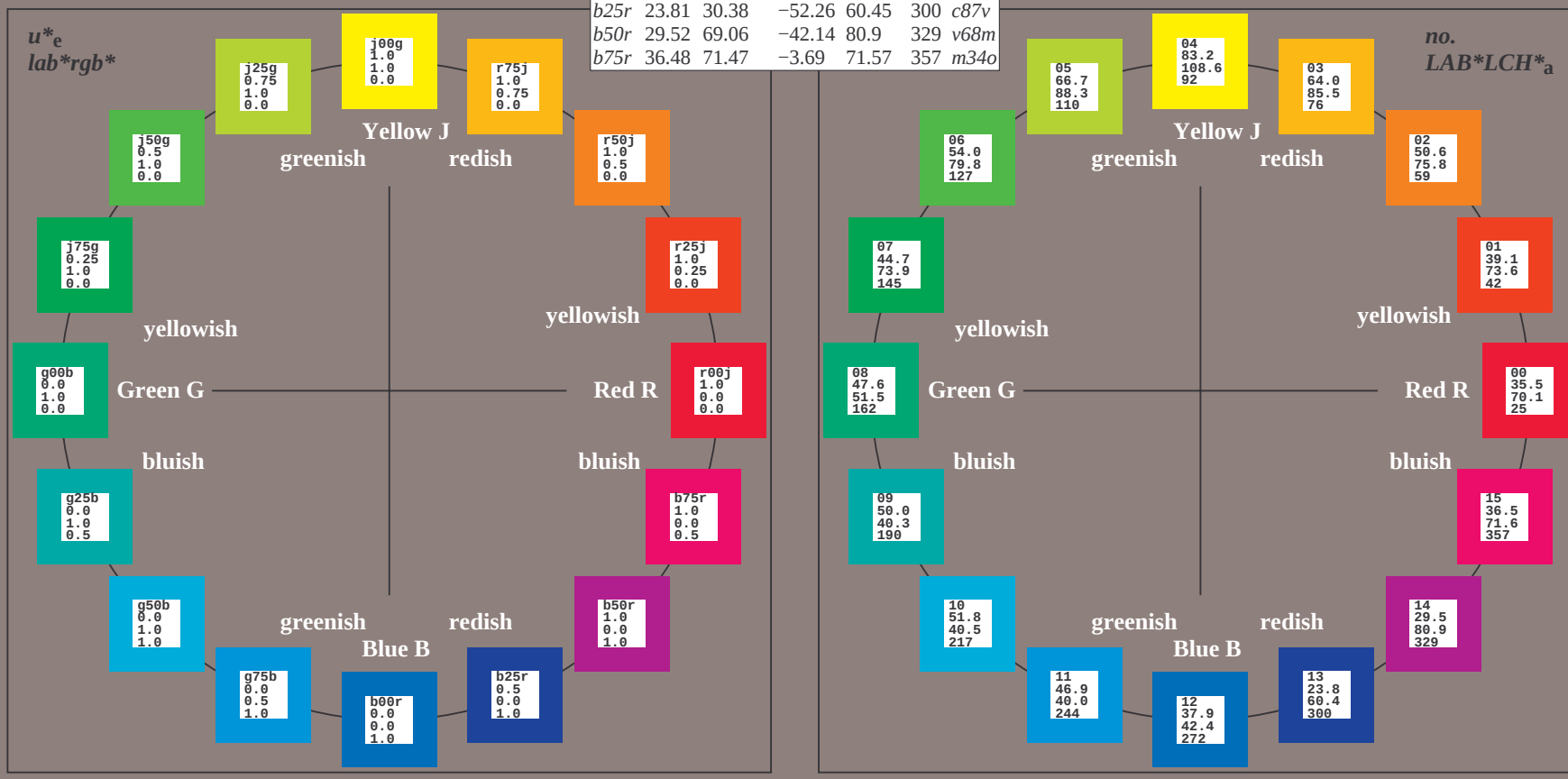
%Regularity

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

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

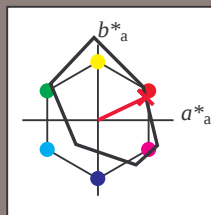
FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	-5.17	109.32	109.44	93
L_{Ma}	44.13	-62.67	48.24	79.09	142
C_{Ma}	52.66	-29.14	-31.99	43.27	228
V_{Ma}	14.15	50.3	-59.04	77.57	310
M_{Ma}	37.37	78.64	-33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	95
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

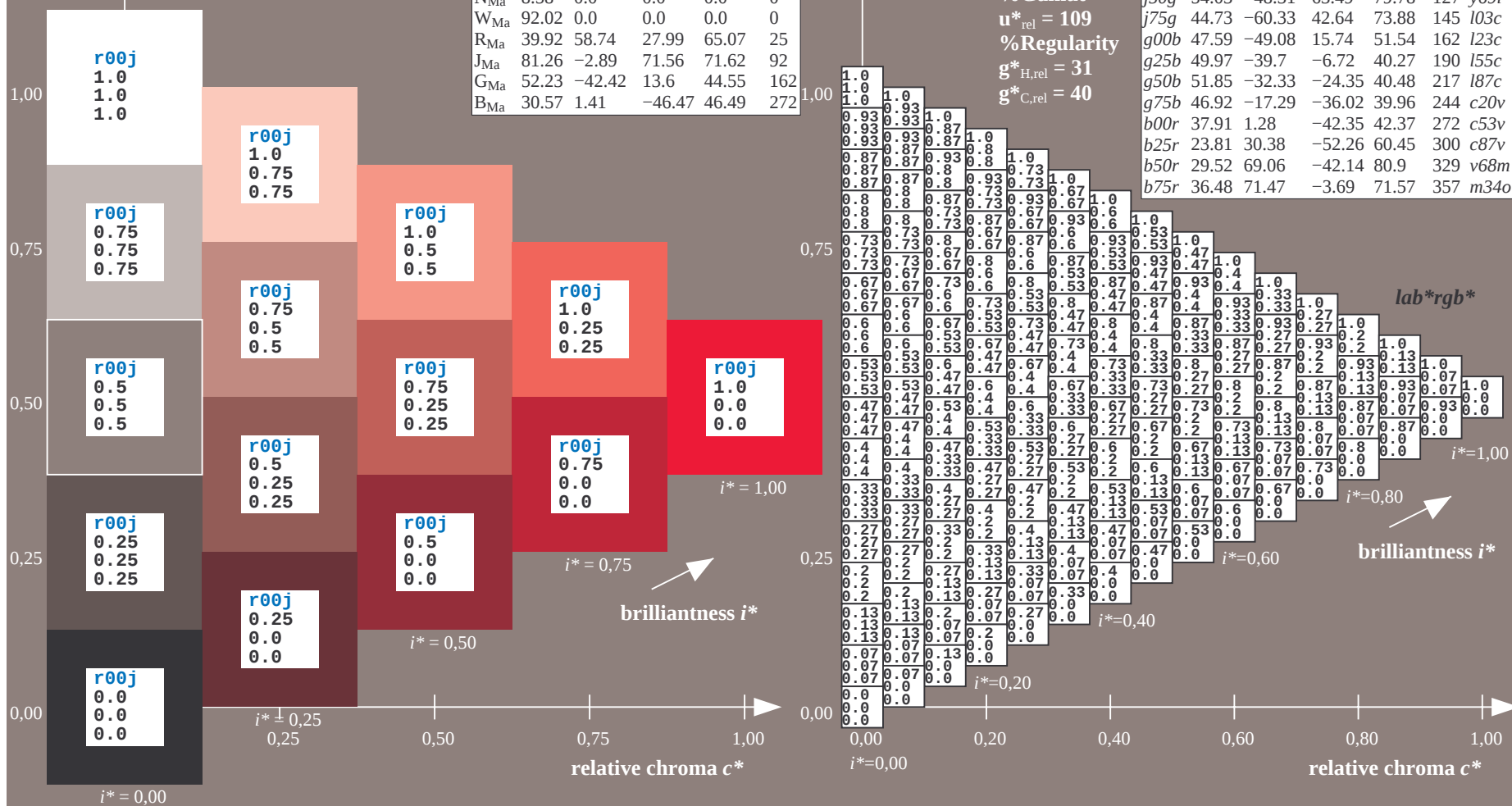
$u^*_{rel} = 109$

%Regularity

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

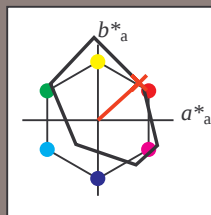
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

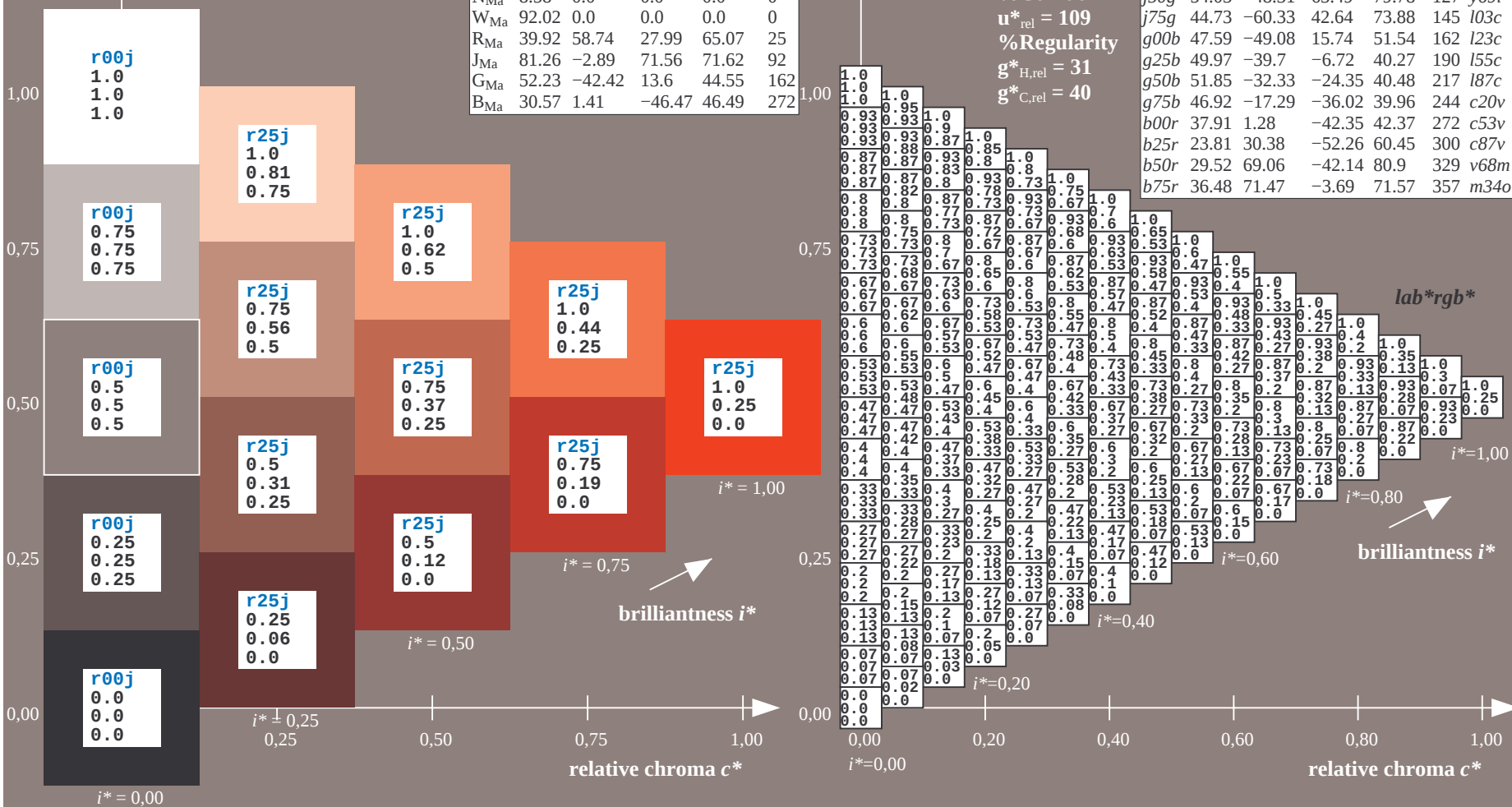
$u^*_{rel} = 109$

%Regularity

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

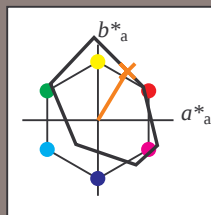
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

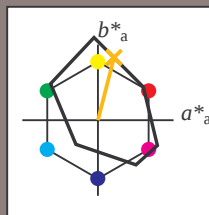
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

lab^*rgb^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

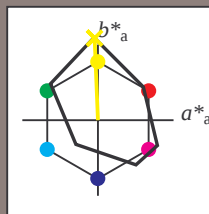
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

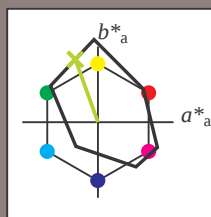
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j25g$ $u_d^* = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

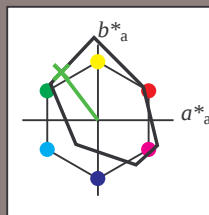
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

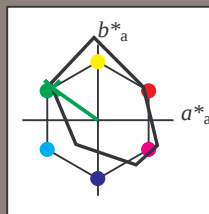
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

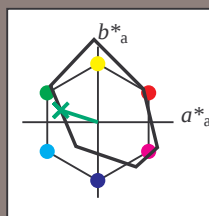
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

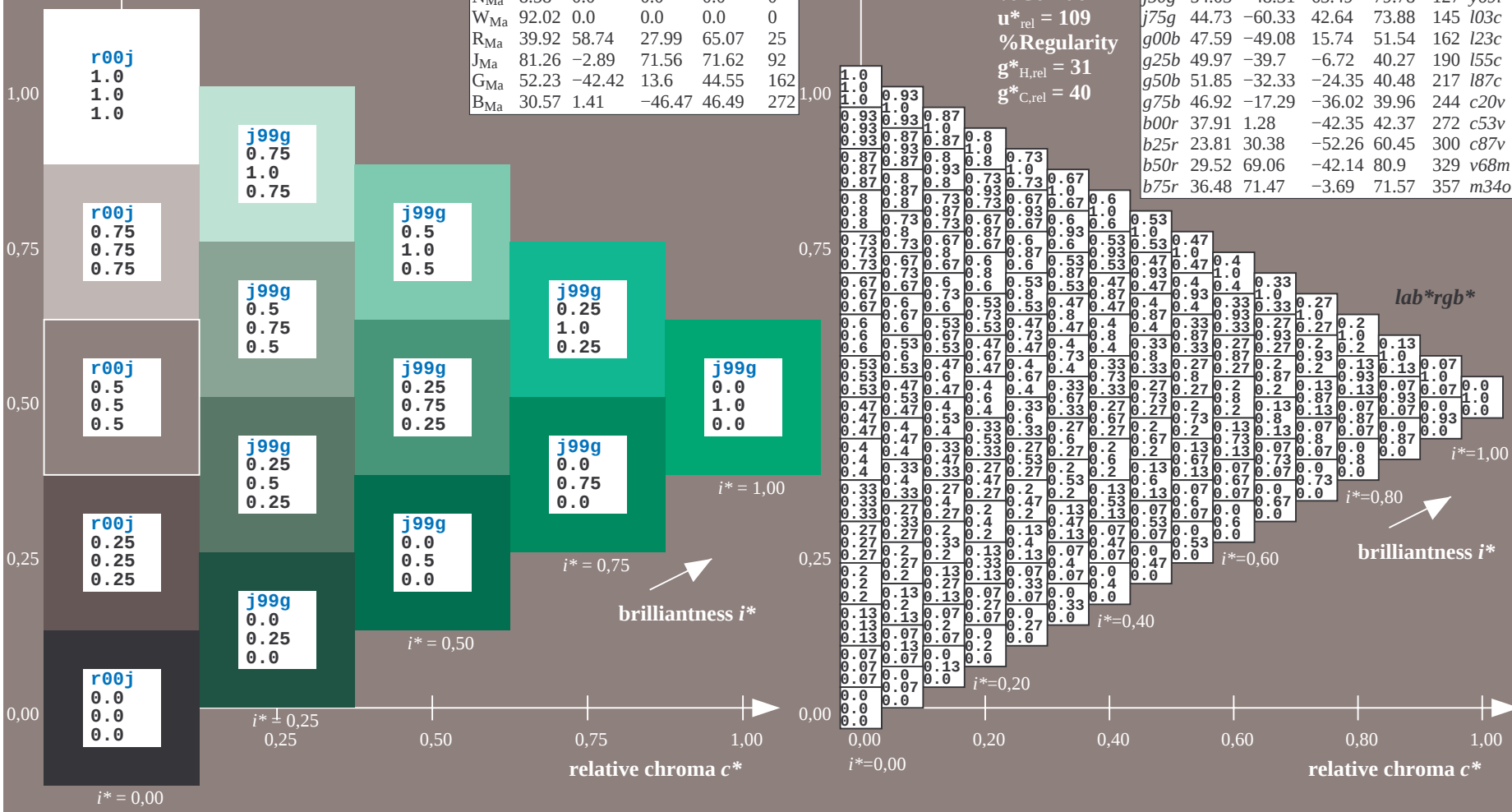
$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

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

triangle lightness t^*

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

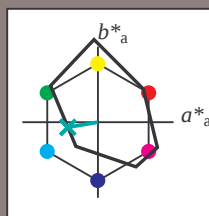
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

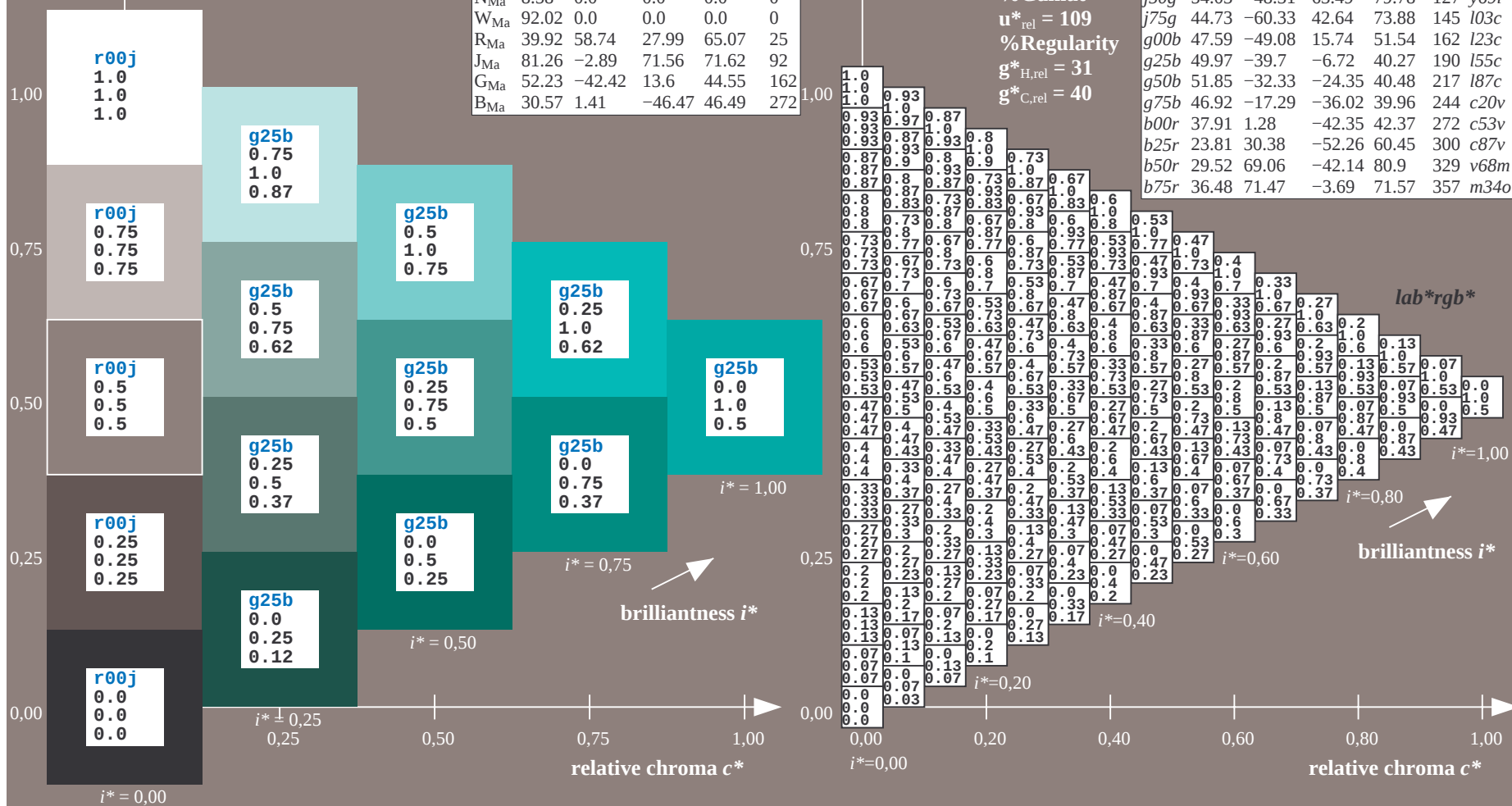
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

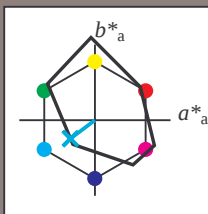
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

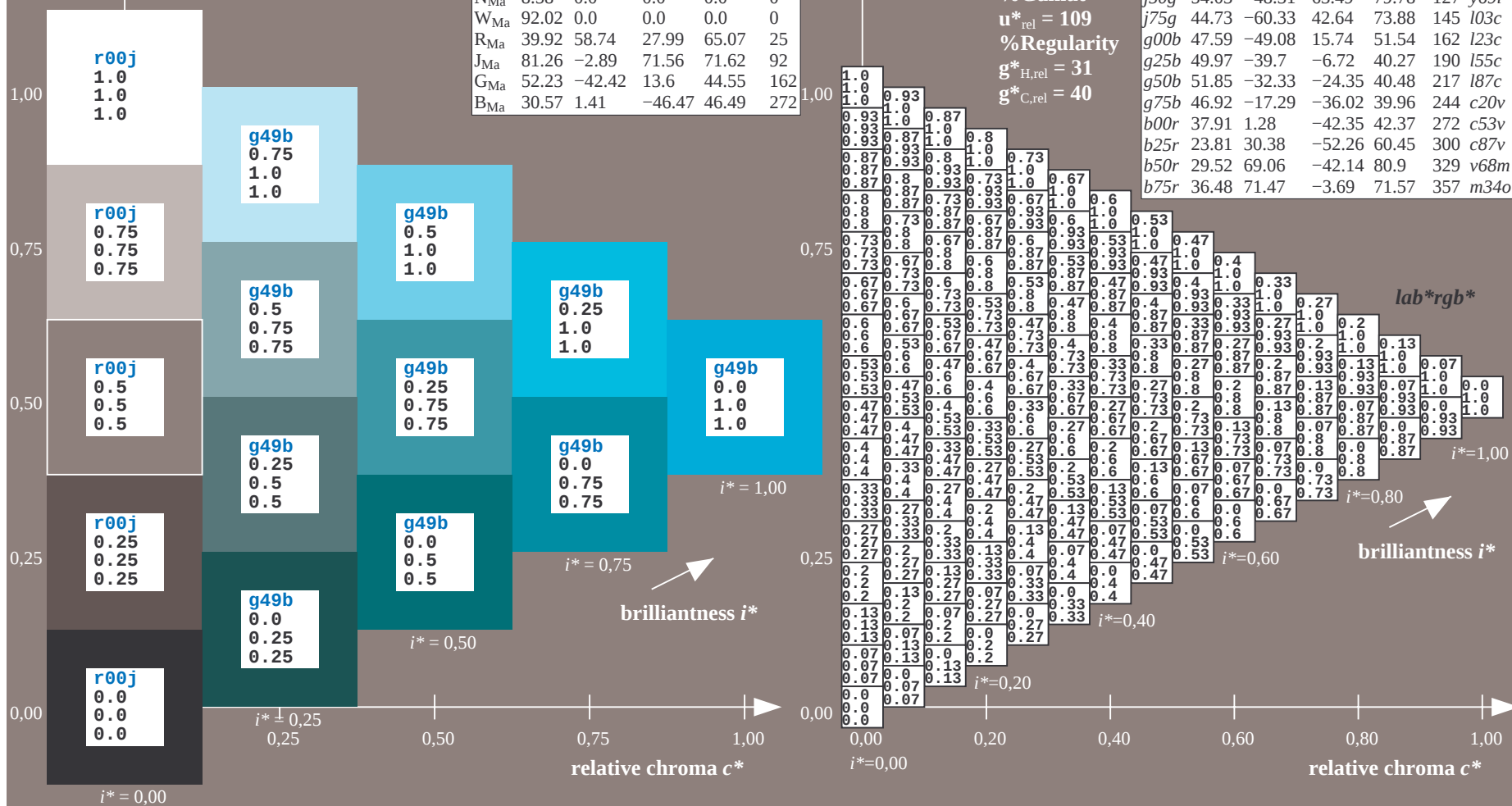
$u^*_{\text{rel}} = 109$

%Regularity

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

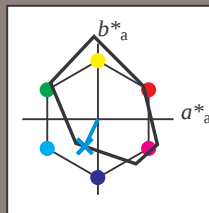
$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

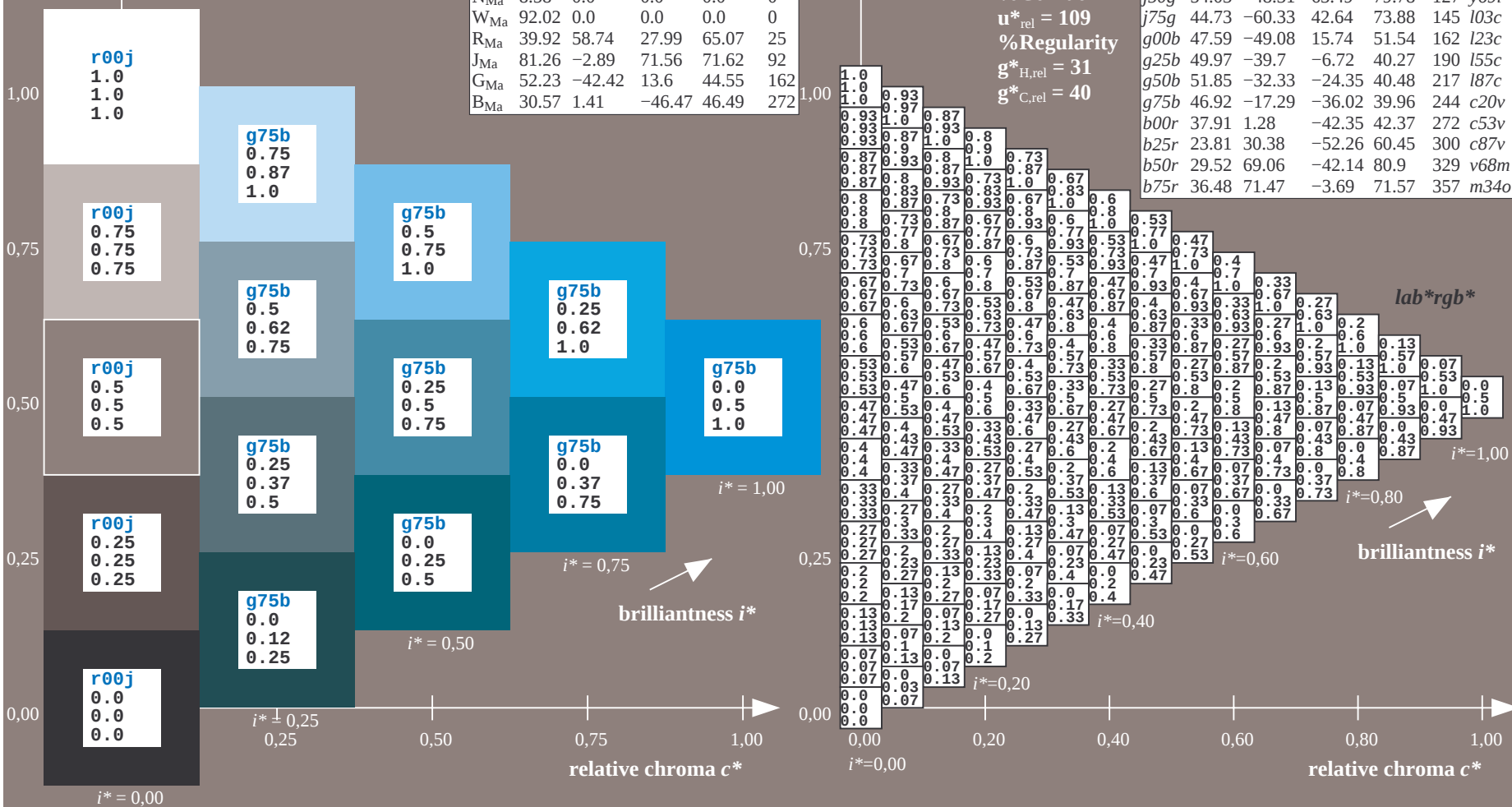
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

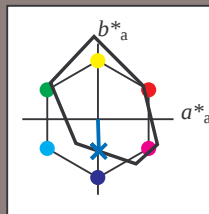
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

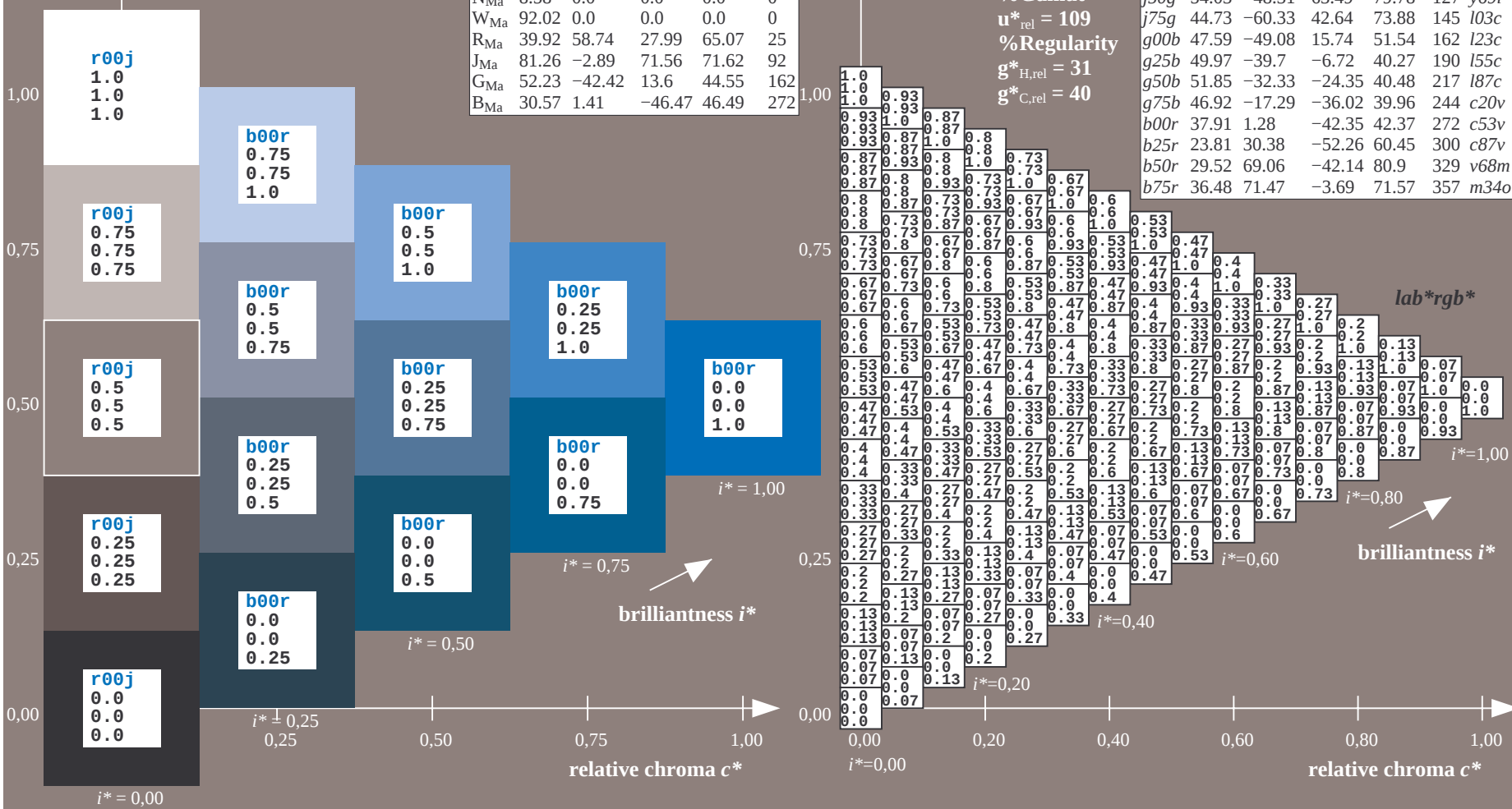
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

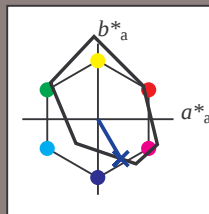
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

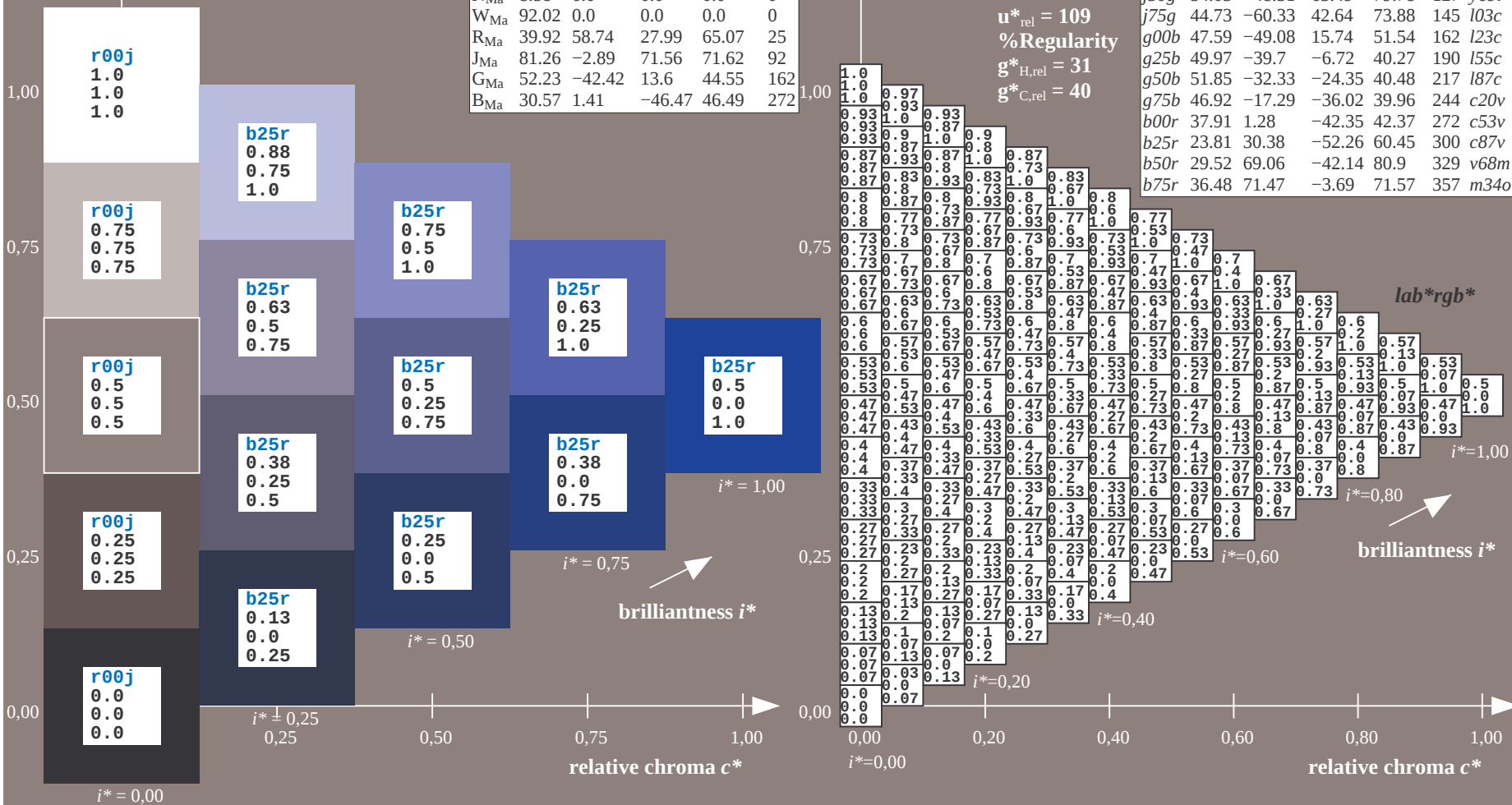
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

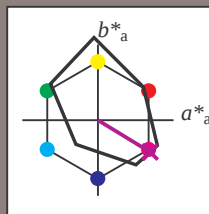
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

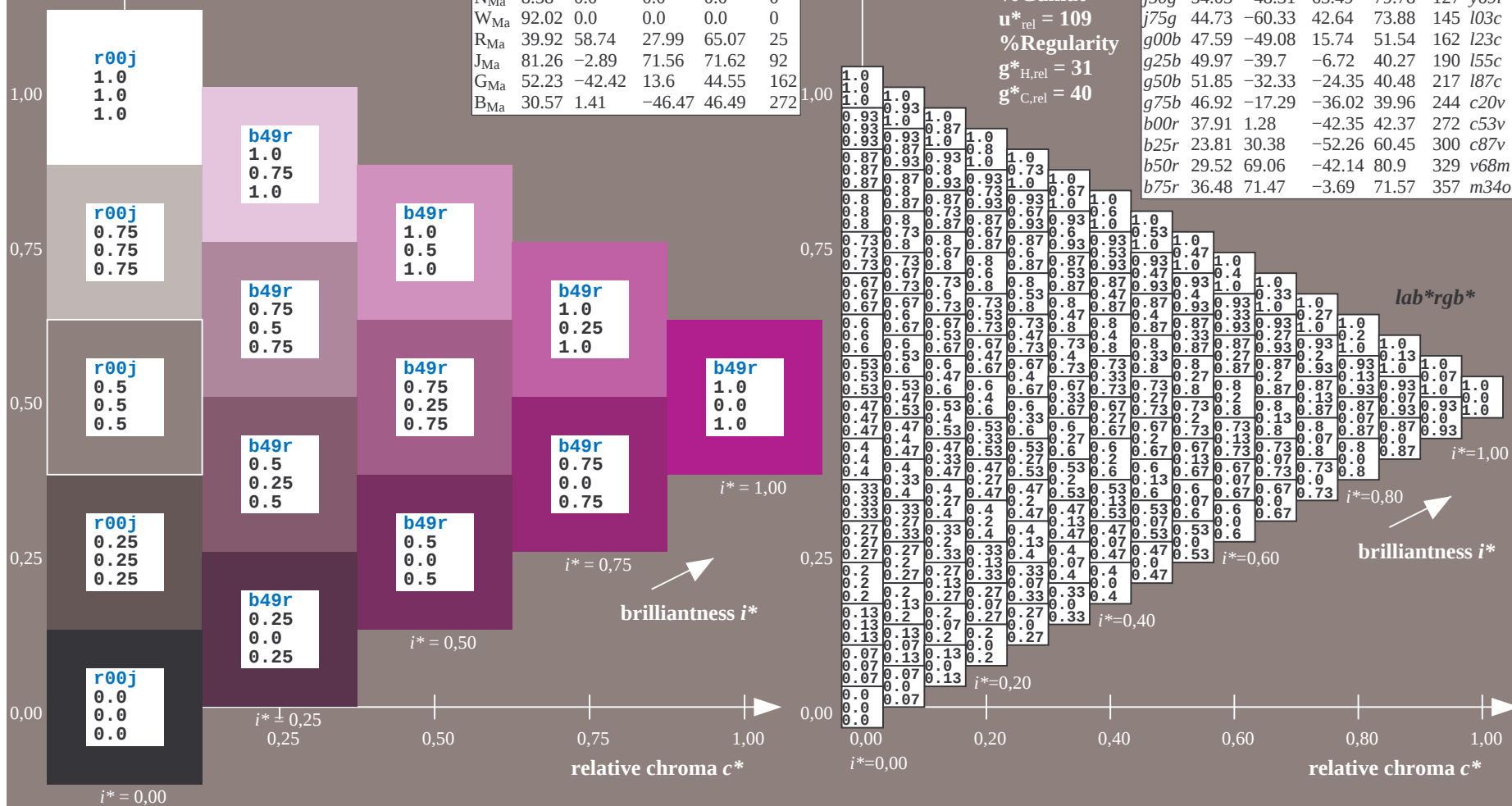
$u^*_{rel} = 109$

%Regularity

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

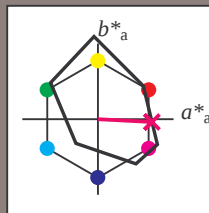
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



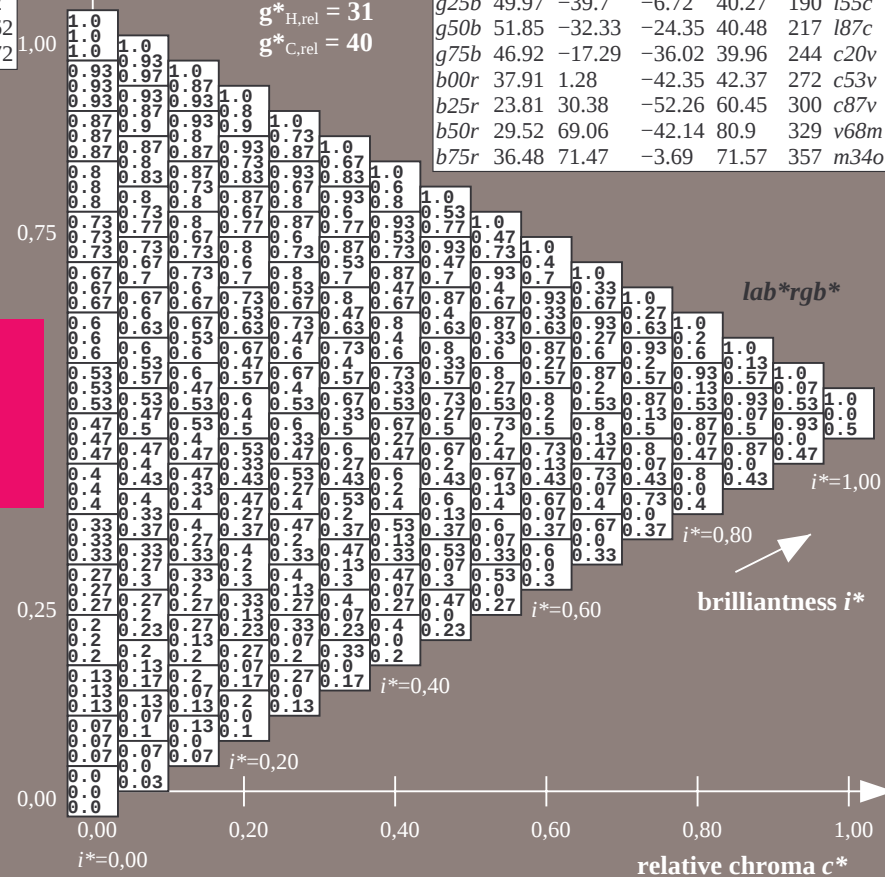
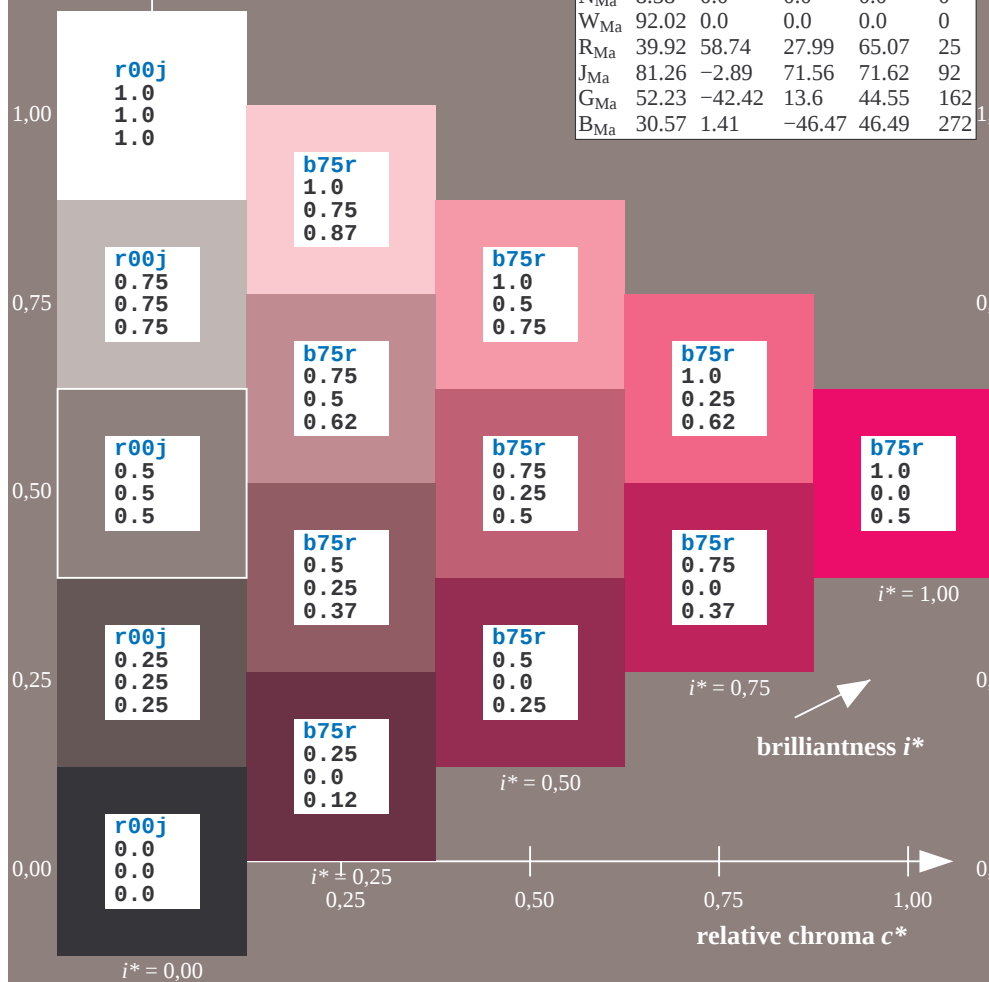
FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4
 $LAB^*LCH^*_{Ma}$: 36 72 357
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.66
triangle lightness t^*

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

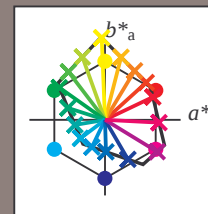
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*		
0.0	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.28	0.32	0.35	0.38	0.41	0.44	0.47	0.50	0.53	0.56	0.59	0.62	0.65	0.68	0.71	0.74	0.77	0.80	0.83	0.86	0.89	0.92	0.95	0.98	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13	2.25	2.38	2.5	2.63	2.75	2.88	3.0	3.13	3.25	3.38	3.5	3.63	3.75	3.88	4.0	4.13	4.25	4.38	4.5	4.63	4.75	4.88	
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	0.0	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	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	
0.09	0.0	0.0	0.0	0.0	0.02	0.06	0.1	0.13	0.13	0.13	0.16	0.2	0.23	0.27	0.3	0.34	0.37	0.4	0.43	0.46	0.49	0.52	0.55	0.58	0.61	0.64	0.67	0.7	0.73	0.75	0.77	0.79	0.81	0.83	0.85	0.87	0.89	0.91	0.93	
0.0	0.1	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13	2.25	2.38	2.5	2.63	2.75	2.88	3.0	3.13	3.25	3.38	3.5	3.63	3.75	3.88	4.0	4.13	4.25	4.38	4.5	4.63	4.75	4.88	
0.13	0.1	0.1	0.06	0.01	0.0	0.0	0.0	0.0	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.08	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.21	0.13	0.13	0.13	0.13	0.15	0.19	0.22	0.25	0.28	0.32	0.36	0.39	0.43	0.46	0.49	0.52	0.55	0.58	0.61	0.64	0.67	0.7	0.73	0.75	0.77	0.79	0.81	0.83	0.85	
0.0	0.01	0.2	0.38	0.5	0.63	0.75	0.88	1.0	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13	2.25	2.38	2.5	2.63	2.75	2.88	3.0	3.13	3.25	3.38	3.5	3.63	3.75	3.88	4.0	4.13	4.25	4.38	4.5	4.63	4.75	4.88	
0.25	0.25	0.25	0.25	0.21	0.16	0.12	0.07	0.03	0.25	0.25	0.25	0.25	0.23	0.18	0.14	0.13	0.13	0.21	0.23	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
0.26	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.3	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.35	0.34	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
0.0	0.0	0.11	0.3	0.48	0.5	0.63	0.75	0.88	1.0	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13	2.25	2.38	2.5	2.63	2.75	2.88	3.0	3.13	3.25	3.38	3.5	3.63	3.75	3.88	4.0	4.13	4.25	4.38	4.5	4.63	4.75	4.88
0.38	0.38	0.38	0.38	0.4	0.4	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	
0.34	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.38	0.2	0.13	0.13	0.13	0.13	0.13	0.13	0.46	0.44	0.42	0.35	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.0	0.02	0.21	0.4	0.63	0.75	0.88	1.0	1.0	0.13	0.13	0.24	0.43	0.63	0.75	0.88	1.0	0.13	0.25	0.26	0.45	0.63	0.75	0.88	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.29	0.19	0.08	0.5	0.5	0.5	0.5		
0.5	0.5	0.5	0.5	0.5	0.55	0.51	0.46	0.42	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
0.43	0.24	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.48	0.47	0.28	0.13	0.13	0.13	0.13	0.13	0.13	0.54	0.52	0.51	0.32	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38		
0.0	0.0	0.0	0.13	0.31	0.5	0.75	0.88	1.0	1.0	0.13	0.13	0.15	0.34	0.53	0.75	0.88	1.0	0.13	0.25	0.25	0.36	0.55	0.75	0.88	1.0	0.88	0.78	0.68	0.58	0.48	0.38	0.27	0.17	0.06	0.63	0.63	0.63	0.63		
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.51	0.33	0.15	0.0	0.0	0.0	0.0	0.0	0.0	0.57	0.55	0.37	0.19	0.13	0.13	0.13	0.13	0.13	0.63	0.61	0.59	0.41	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
0.0	0.0	0.0	0.04	0.23	0.41	0.6	0.88	1.0	0.0	0.13	0.13	0.25	0.44	0.63	0.88	1.0	0.0	0.13	0.25	0.25	0.27	0.46	0.65	0.88	1.0	0.85	0.75	0.65	0.55	0.45	0.35	0.25	0.15	0.04	0.75	0.75	0.75	0.75		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.85	0.81	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
0.6	0.41	0.23	0.05	0.0	0.0	0.0	0.0	0.0	0.65	0.64	0.45	0.27	0.13	0.13	0.13	0.13	0.13	0.71	0.69	0.68	0.49	0.31	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
0.0	0.0	0.0	0.0	0.14	0.33	0.52	0.7	1.0	0.0	0.13	0.13	0.16	0.35	0.54	0.73	1.0	0.0	0.13	0.25	0.25	0.25	0.38	0.56	0.75	1.0	0.83	0.73	0.63	0.53	0.43	0.33	0.23	0.13	0.02	0.88	0.88	0.88	0.88		
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	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
0.68	0.5	0.32	0.13	0.0	0.0	0.0	0.0	0.0	0.78	0.72	0.54	0.36	0.17	0.13	0.13	0.13	0.13	0.98	0.78	0.76	0.58	0.4	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
0.0	0.0	0.0	0.0	0.05	0.24	0.43	0.62	0.8	0.0	0.13	0.13	0.13	0.13	0.26	0.45	0.64	0.83	0.0	0.13	0.25	0.25	0.25	0.29	0.48	0.66	0.85	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	0.0	1.0	1.0			
0.38	0.38	0.38	0.37	0.41	0.44	0.48	0.51	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.62	0.66	0.69	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.97	1.0	1.0	1.0	1.0			
0.06	0.17	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.08	0.19	0.29	0.4	0.5	0.63	0.75	0.88	1.0	1	0.21	0.31	0.42	0.52	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	1.0	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	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
0.38	0.38	0.38	0.37	0.41	0.44	0.48	0.52	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.62	0.66	0.69	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.97	1.0	1.0	1.0	1.0			
0.0	0.17	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.19	0.29	0.4	0.5	0.63	0.75	0.88	1.0	0.0	0.21	0.31	0.42	0.52	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88			
0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.04	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.01	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13			
0.38	0.38	0.38	0.37	0.41	0.44	0.48	0.52	0.55	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.62	0.66	0.69	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.97	1.0	1.0	1.0	1.0			
0.0	0.13	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.29	0.4	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.31	0.42	0.52	0.63	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75				
0.19	0.21	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.17	0.18	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.14	0.16	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
0.38	0.38	0.38	0.38	0.41	0.43	0.48	0.52																																	

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

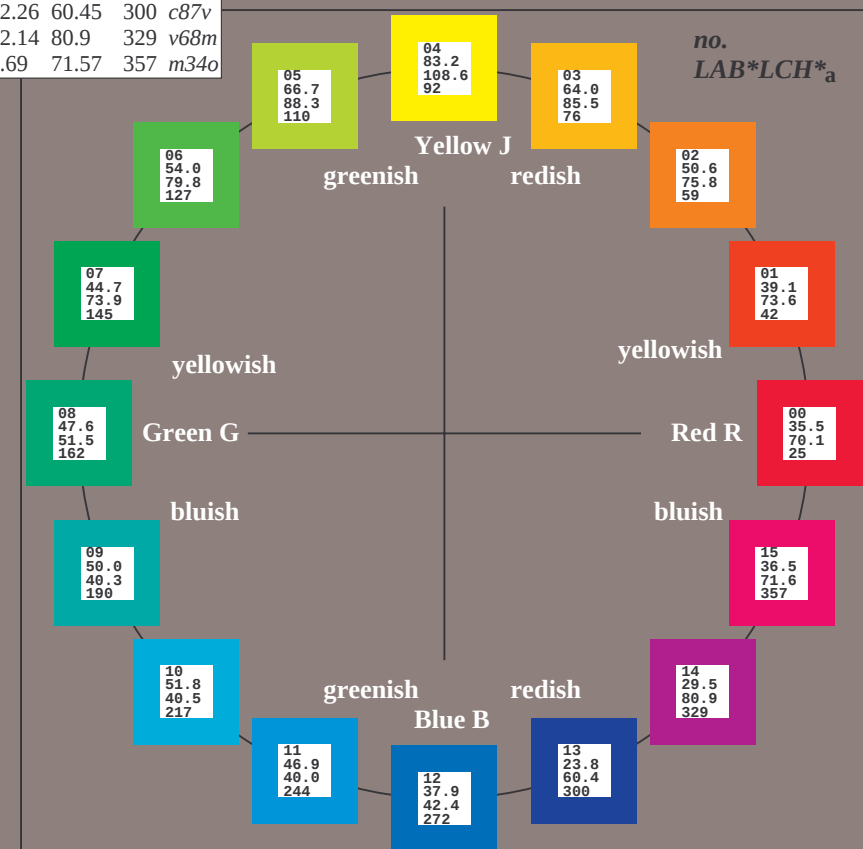
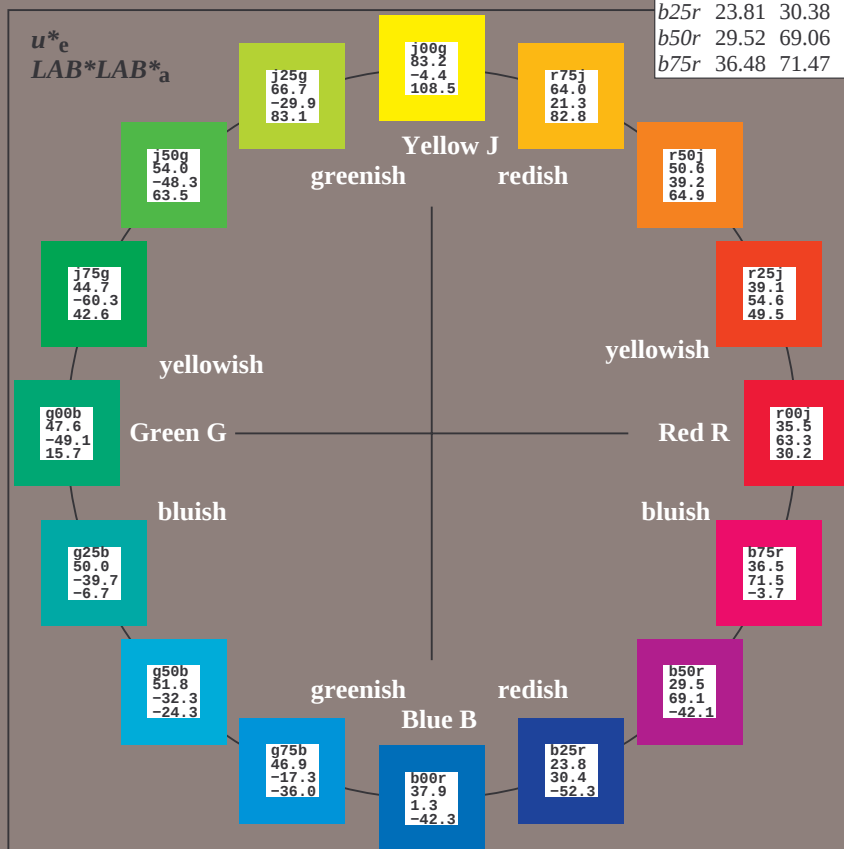
%Regularity

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

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

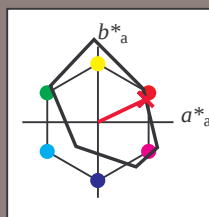
FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	-5.17	109.32	109.44	93
L_{Ma}	44.13	-62.67	48.24	79.09	142
C_{Ma}	52.66	-29.14	-31.99	43.27	228
V_{Ma}	14.15	50.3	-59.04	77.57	310
M_{Ma}	37.37	78.64	-33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	95
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 35 63 30

$LAB^*LCH^*_Ma$: 35 70 25

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

$lab^*olv^*_Ma$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

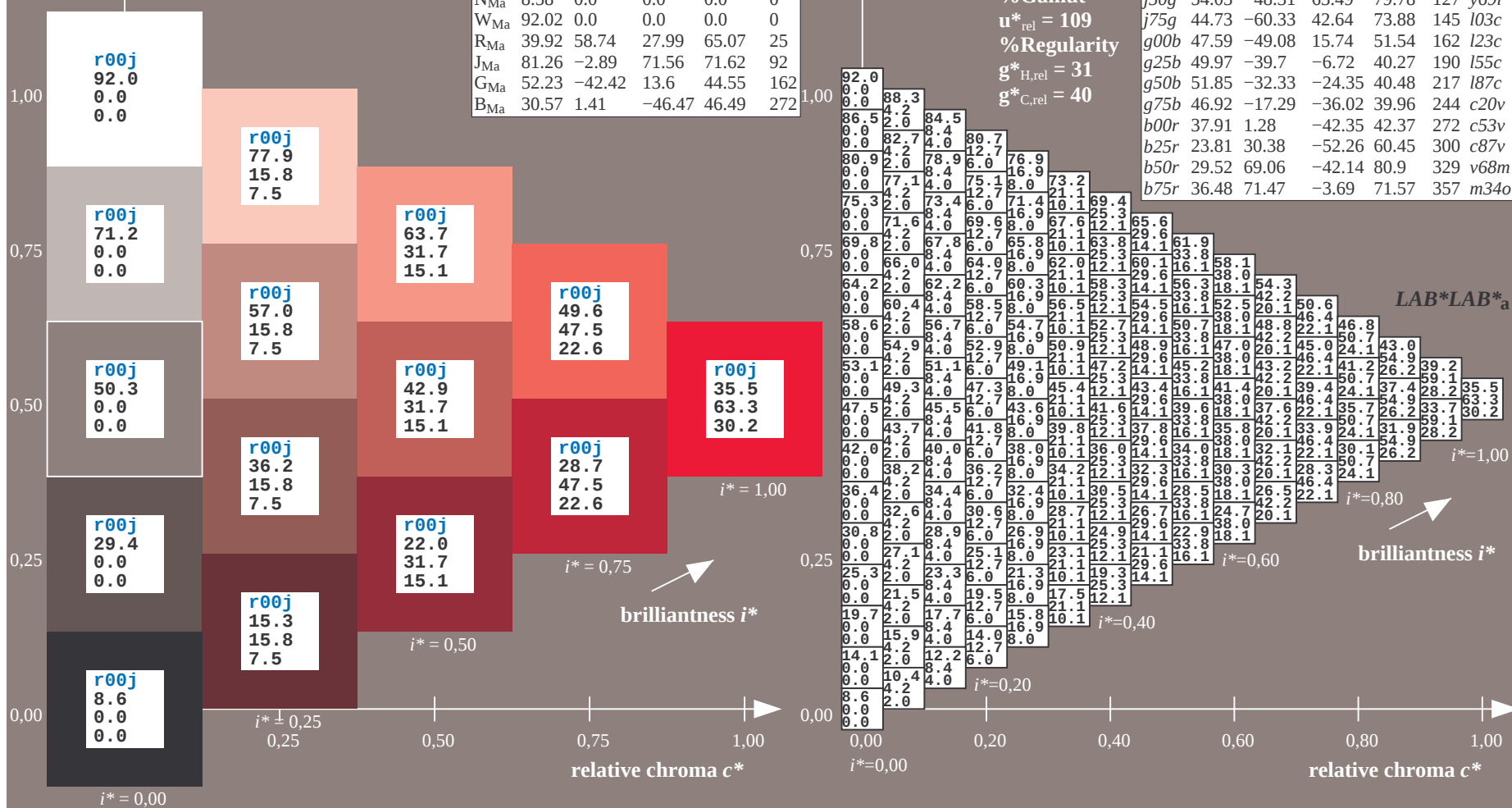
$u^*_{rel} = 109$

%Regularity

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

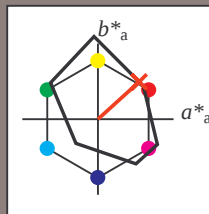
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

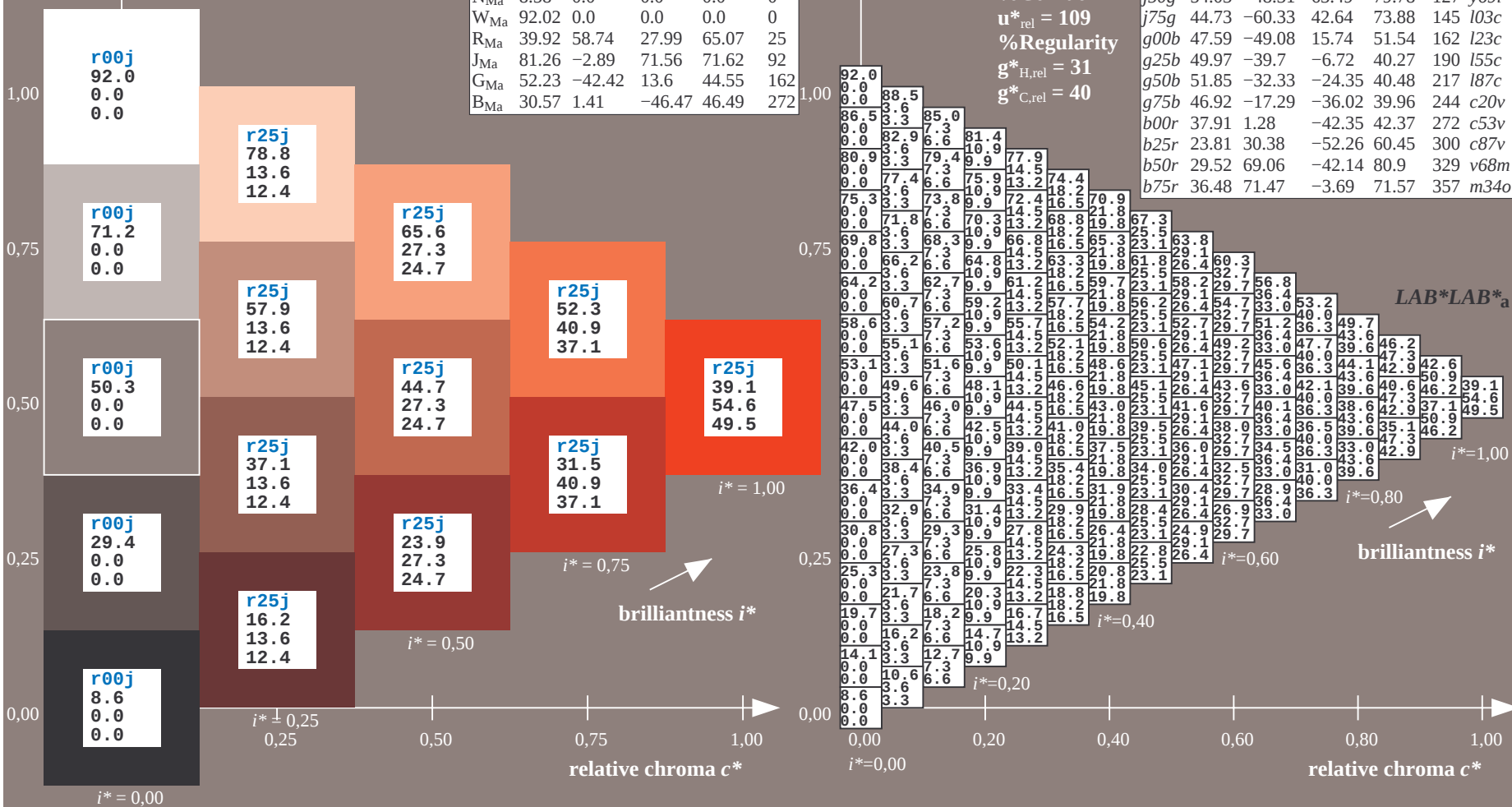
$u^*_{rel} = 109$

%Regularity

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

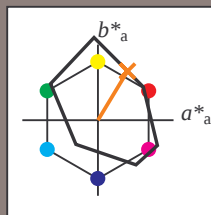
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 51 39 65

$LAB^*LCH^*_Ma$: 51 76 58

$lab^*rgb^*_Ma$: 1.0 0.5 0.0

$lab^*olv^*_Ma$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

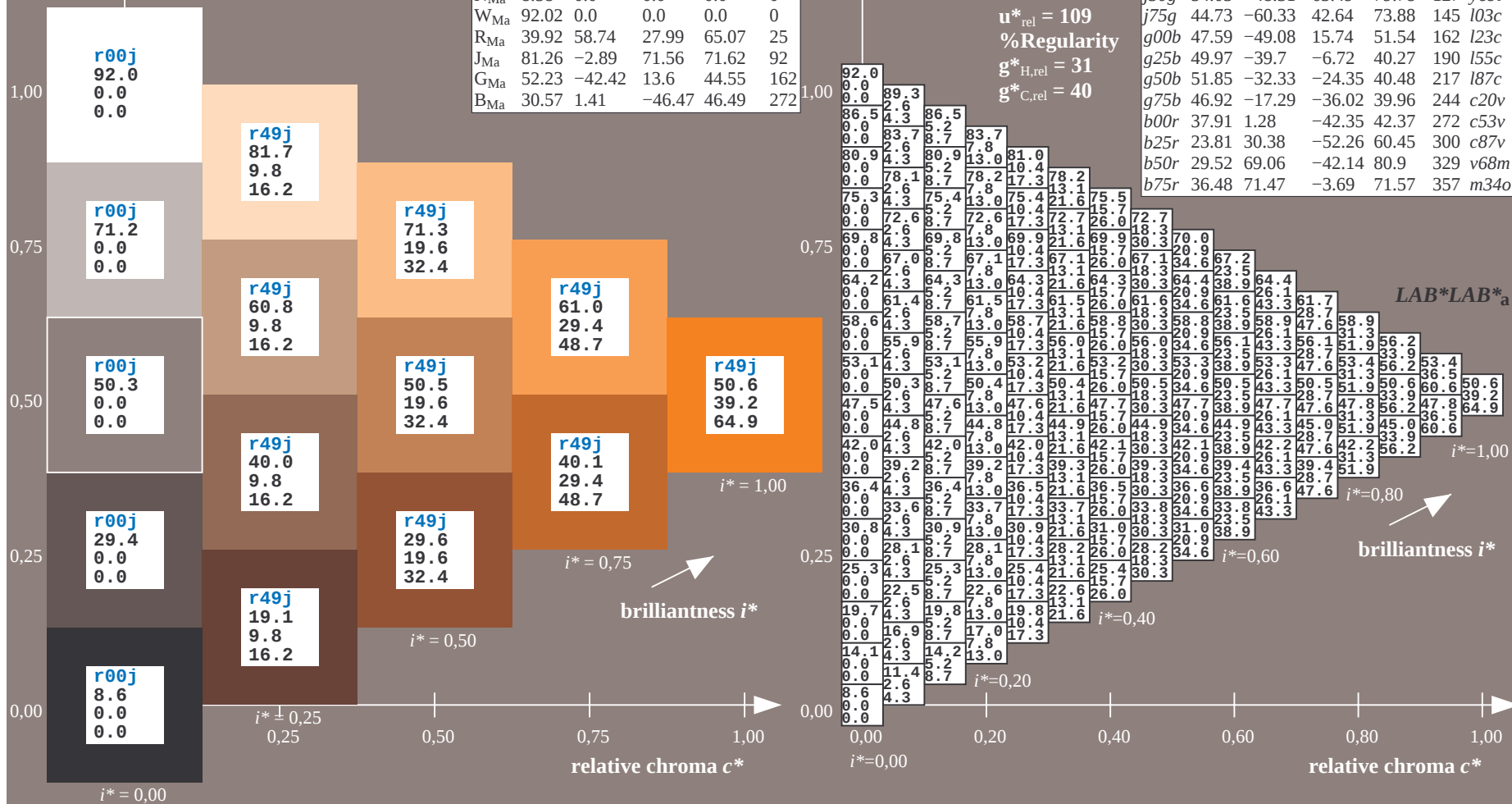
$u^*_{rel} = 109$

%Regularity

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

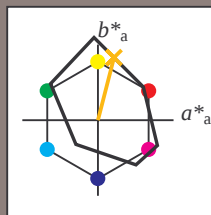
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

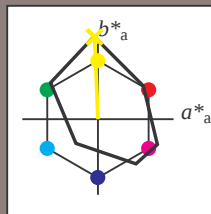
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

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

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 83 -4 109

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 83 109 92

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			

$u^*_e = j00g$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$

$\text{LAB}^*\text{LAB}^*_{\text{a}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

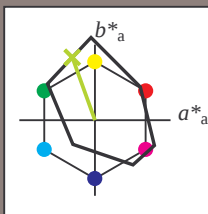
Hue texts:

$u^*_e = j25g$ $u^*_d = y34l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

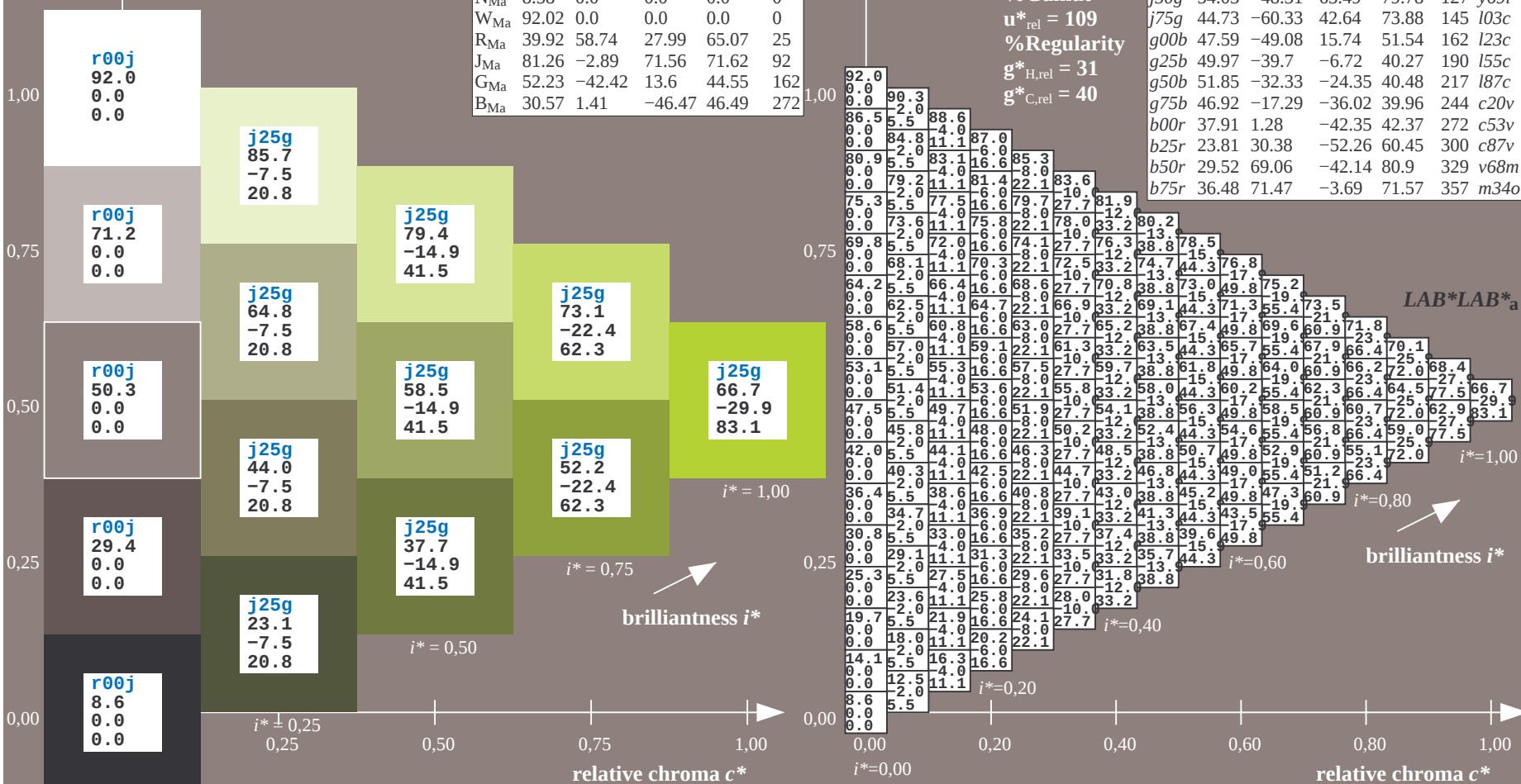
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

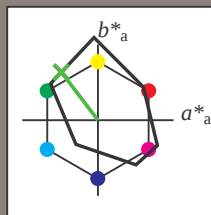
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

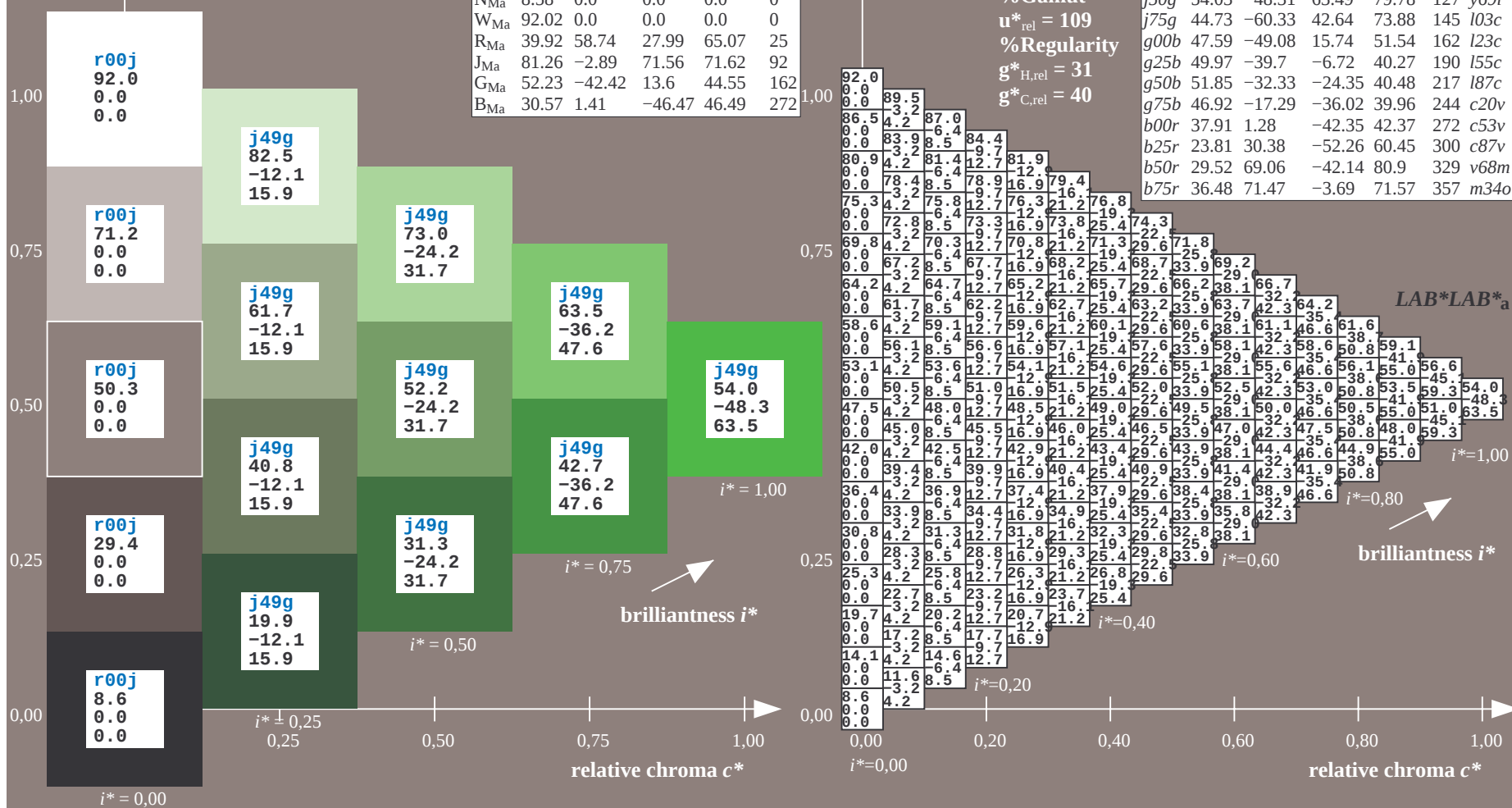
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

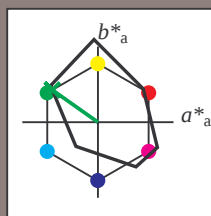
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

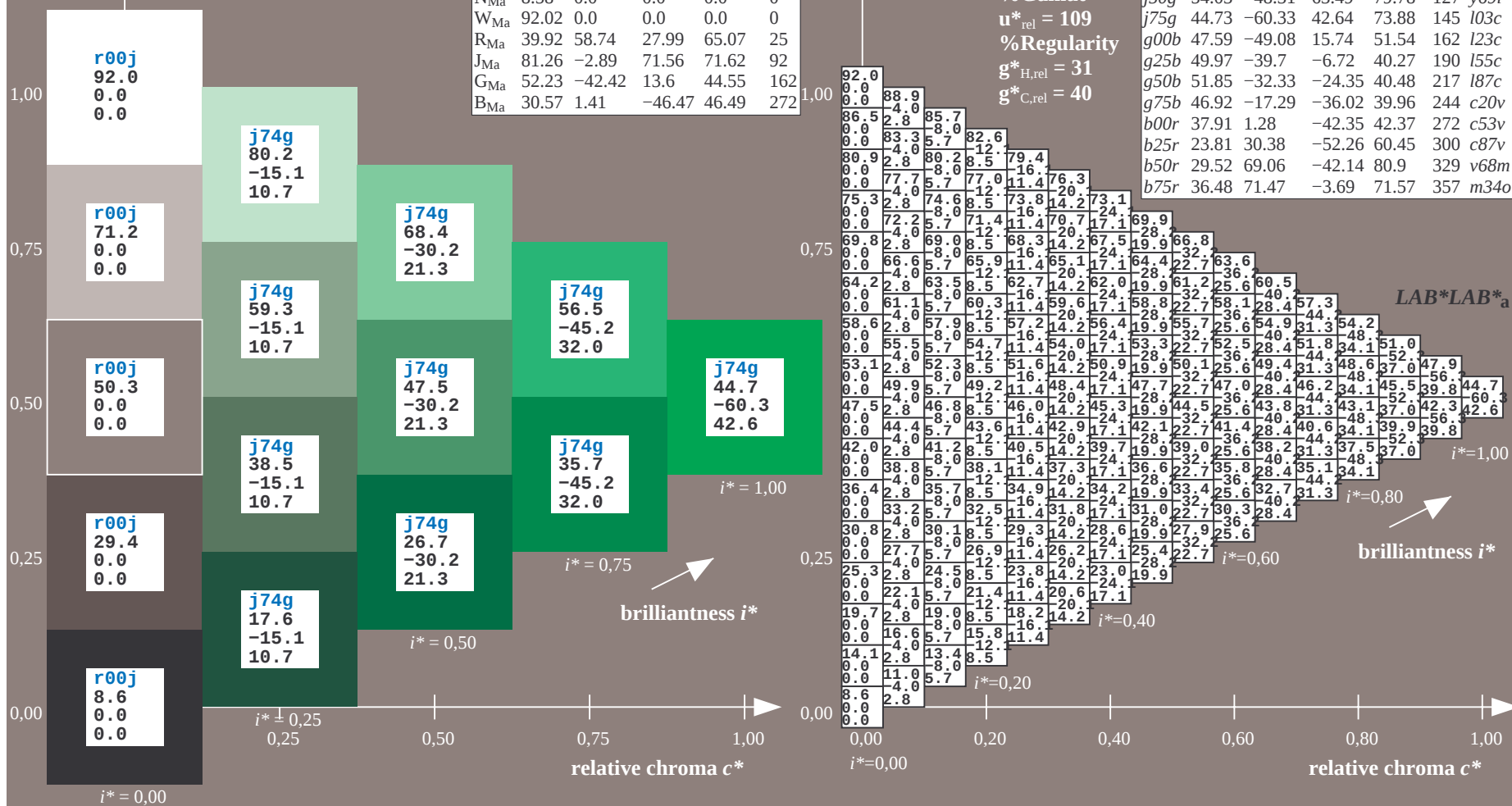
$u^*_{rel} = 109$

%Regularity

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

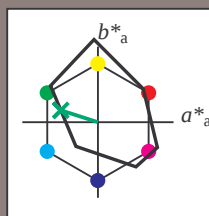
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

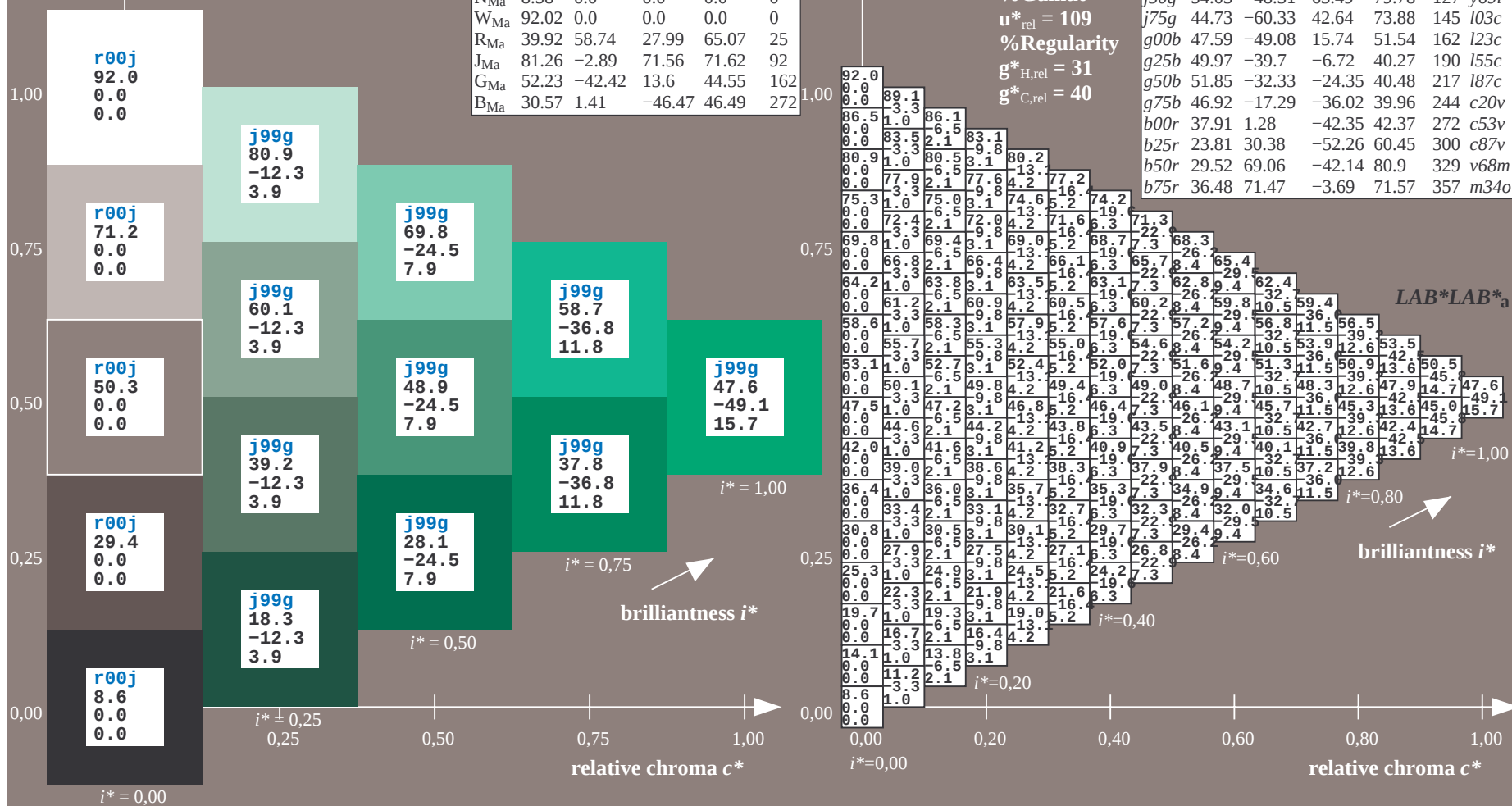
$u^*_{rel} = 109$

%Regularity

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

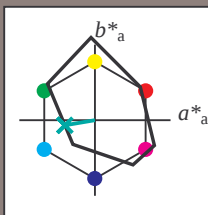
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:

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



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 50 -40 -7

$LAB^*LCH^*_Ma$: 50 40 189

$lab^*rgb^*_Ma$: 0.0 1.0 0.5

$lab^*olv^*_Ma$: 0.0 1.0 0.55

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

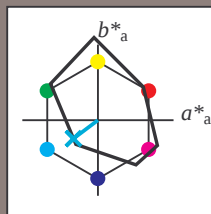
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

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

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

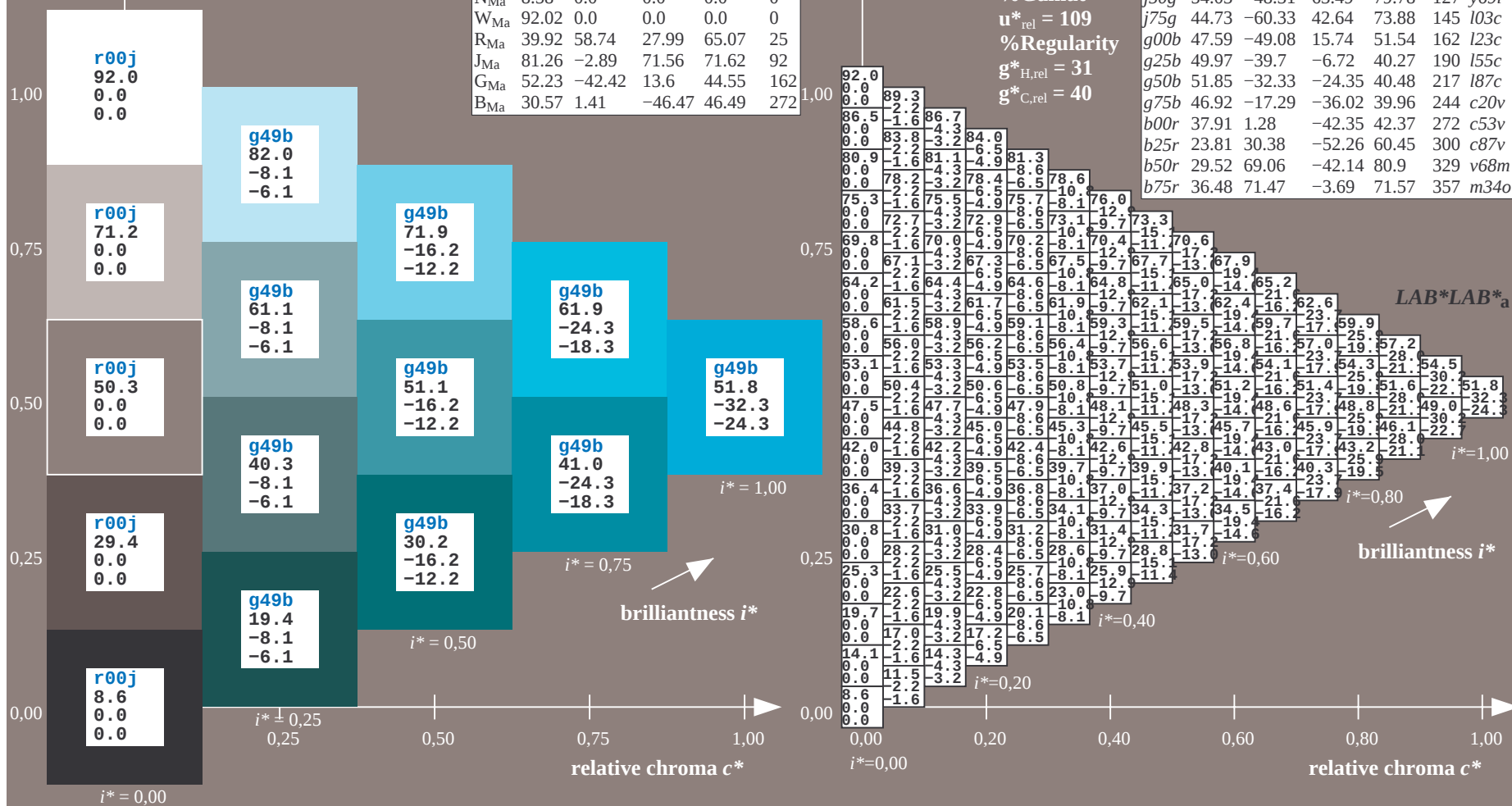
$u^*_{rel} = 109$

%Regularity

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

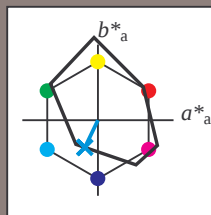
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

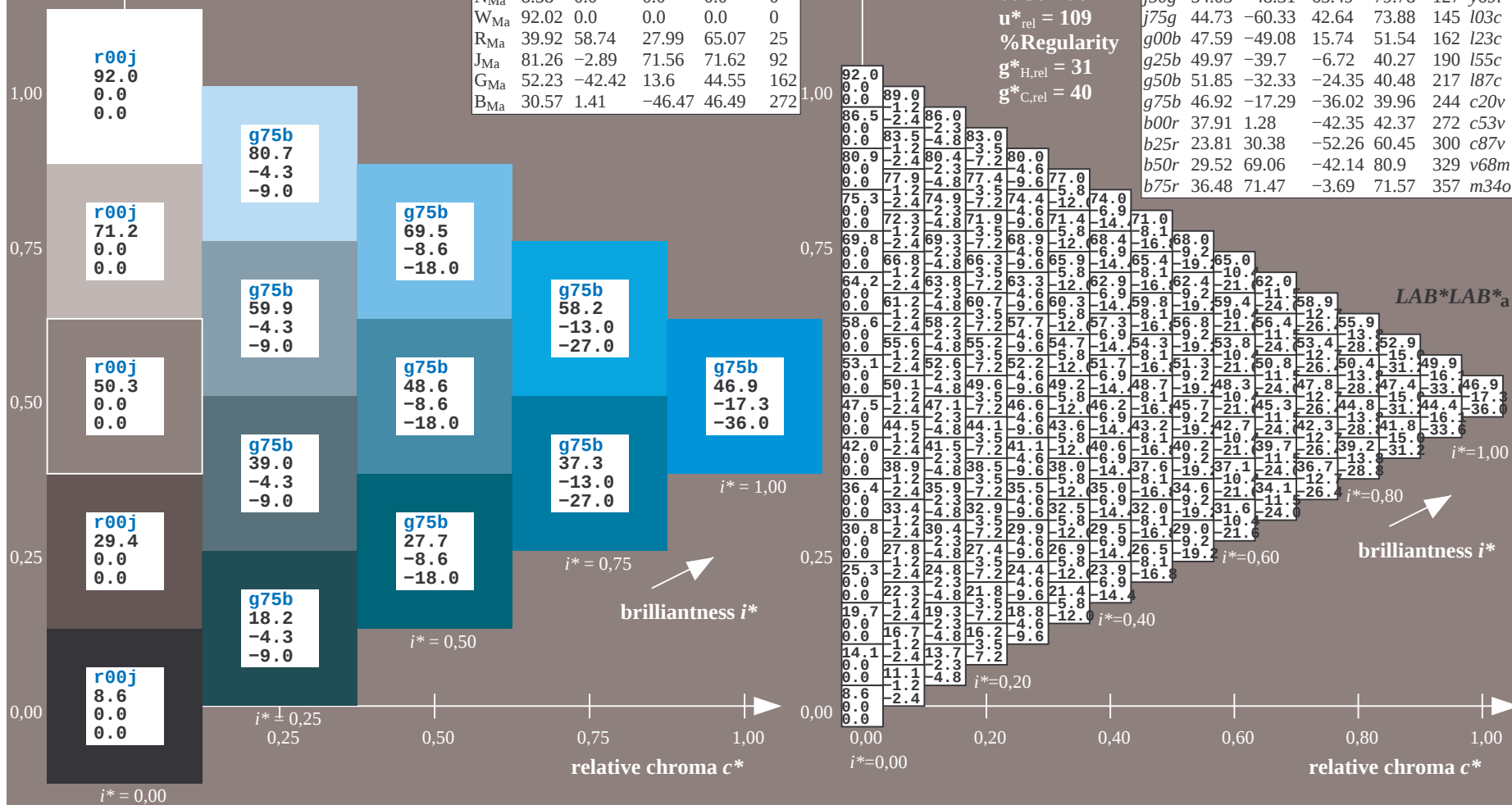
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

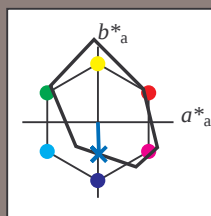
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 38 1 -42

$LAB^*LCH^*_Ma$: 38 42 271

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

$lab^*olv^*_Ma$: 0.0 0.47 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

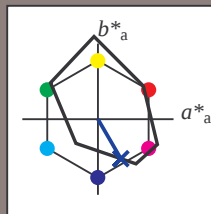
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$LAB^*LAB^*_{a}$

$i^*=1.00$

$i^*=0.80$

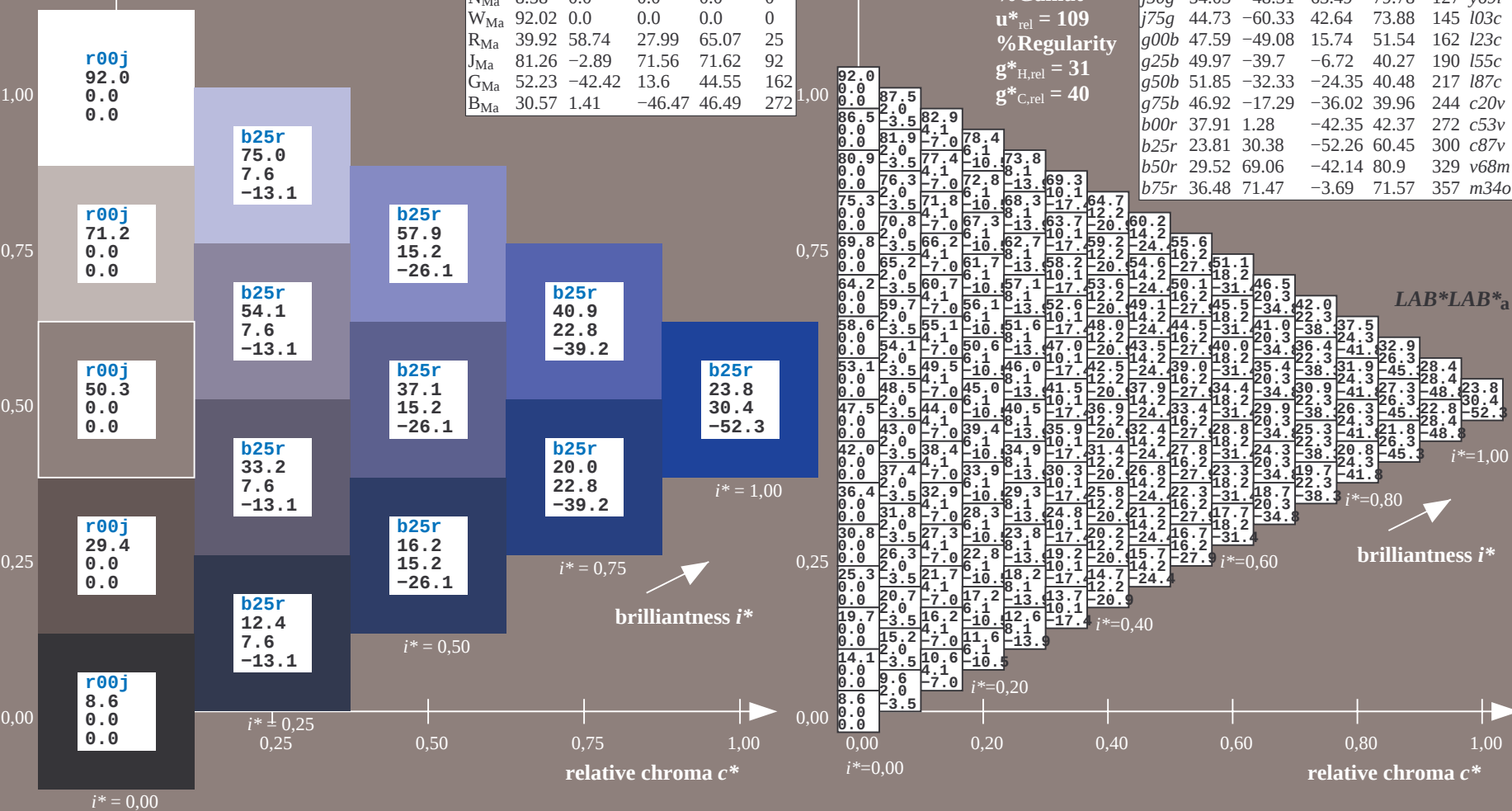
$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

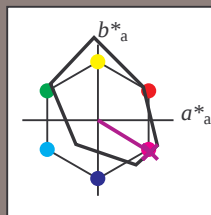
$i^*=0.00$

brilliantness i^*



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 30 69 -42

$LAB^*LCH^*_Ma$: 30 81 328

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

$lab^*olv^*_Ma$: 0.69 0.0 1.0

triangle lightness t^*

%Gamut

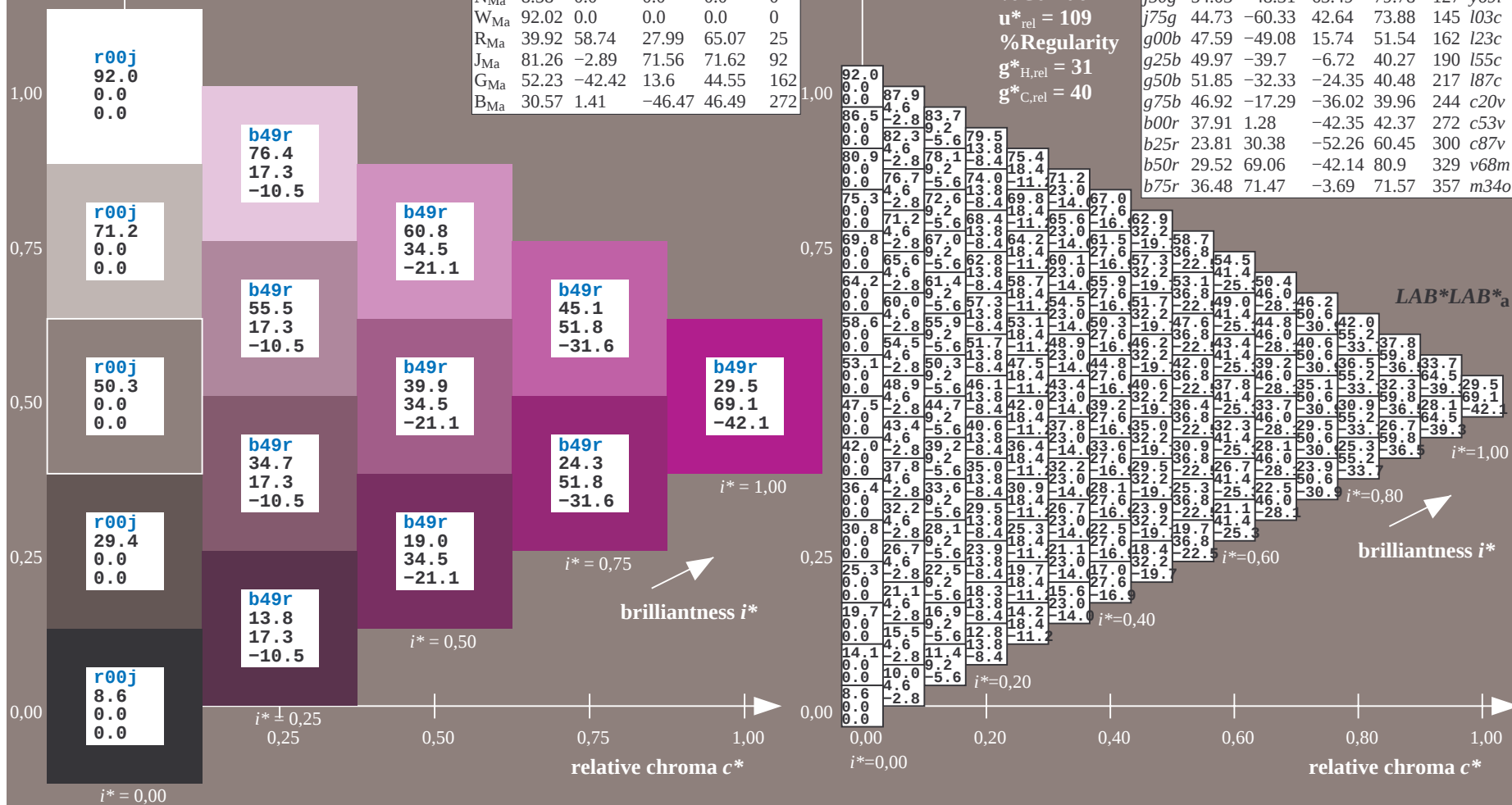
$u^*_{rel} = 109$

%Regularity

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

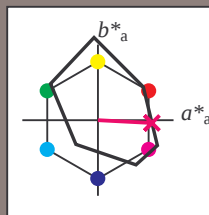
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

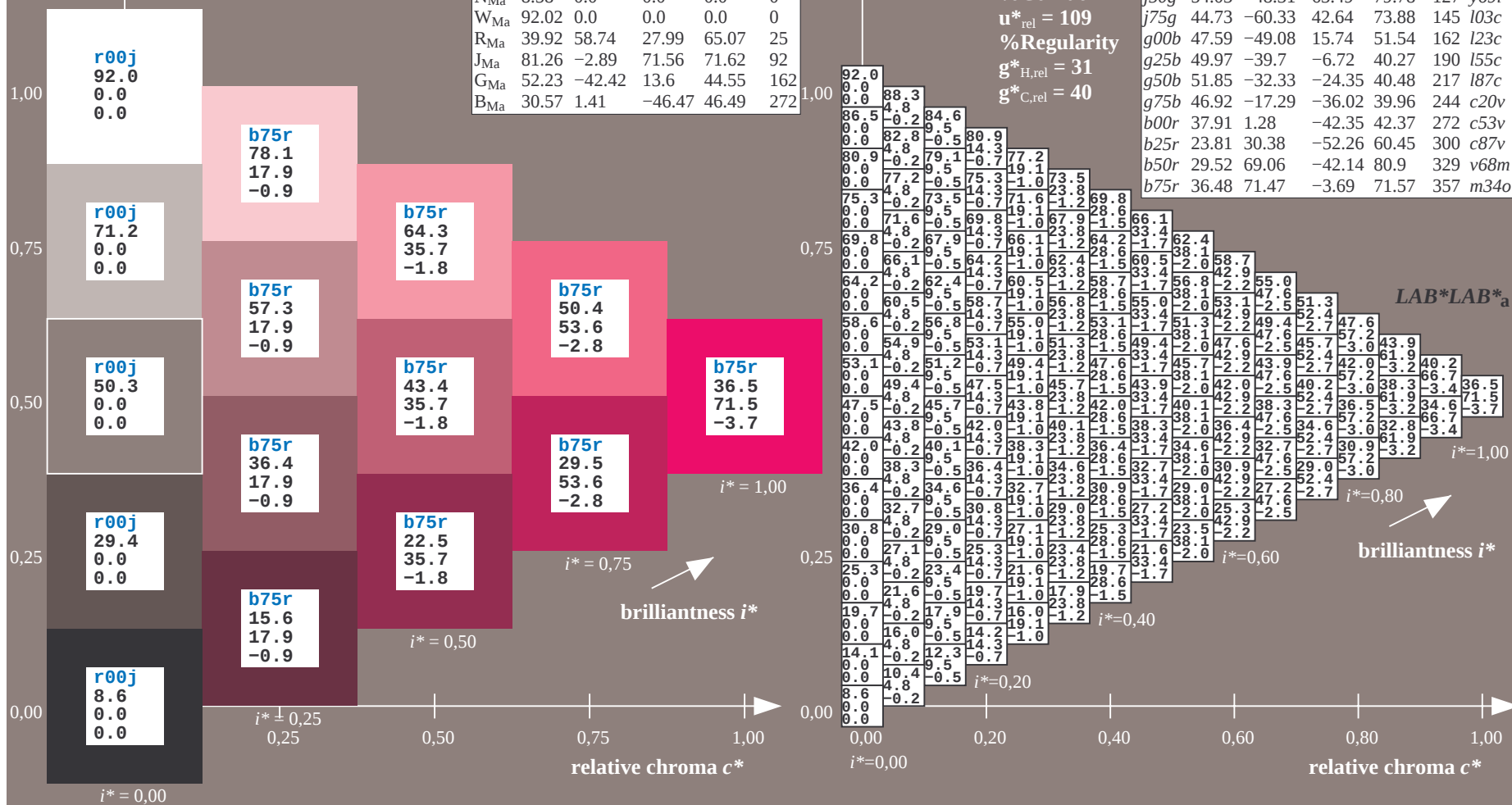
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de/Version 2.1, io=1, ColSpX=0>

BAM registration: 20081001-Ee36/10L/L36E00NP.PS/.PDF BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	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*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	184.9	189.3	193.7	198.1	202.5	206.9	211.3	215.7	220.1	224.5	228.9	233.3	237.7	242.1	246.5	250.9	255.3	259.7	264.1	268.5	272.9	277.3	281.7	286.1	290.5	294.9	299.3	303.7	308.1	312.5	316.9	321.3	325.7	330.1	334.5	338.9	343.3	347.7	352.1	356.5	360.9	365.3	369.7	374.1	378.5	382.9	387.3	391.7	396.1	400.5	404.9	409.3	413.7	418.1	422.5	426.9	431.3	435.7	440.1	444.5	448.9	453.3	457.7	462.1	466.5	470.9	475.3	479.7	484.1	488.5	492.9	497.3	501.7	506.1	510.5	514.9	519.3	523.7	528.1	532.5	536.9	541.3	545.7	550.1	554.5	558.9	563.3	567.7	572.1	576.5	580.9	585.3	589.7	594.1	598.5	602.9	607.3	611.7	616.1	620.5	624.9	629.3	633.7	638.1	642.5	646.9	651.3	655.7	660.1	664.5	668.9	673.3	677.7	682.1	686.5	690.9	695.3	699.7	704.1	708.5	712.9	717.3	721.7	726.1	730.5	734.9	739.3	743.7	748.1	752.5	756.9	761.3	765.7	770.1	774.5	778.9	783.3	787.7	792.1	796.5	800.9	805.3	809.7	814.1	818.5	822.9	827.3	831.7	836.1	840.5	844.9	849.3	853.7	858.1	862.5	866.9	871.3	875.7	880.1	884.5	888.9	893.3	897.7	902.1	906.5	910.9	915.3	919.7	924.1	928.5	932.9	937.3	941.7	946.1	950.5	954.9	959.3	963.7	968.1	972.5	976.9	981.3	985.7	990.1	994.5	998.9	1003.3	1007.7	1012.1	1016.5	1020.9	1025.3	1029.7	1034.1	1038.5	1042.9	1047.3	1051.7	1056.1	1060.5	1064.9	1069.3	1073.7	1078.1	1082.5	1086.9	1091.3	1095.7	1099.3	1103.7	1108.1	1112.5	1116.9	1121.3	1125.7	1130.1	1134.5	1138.9	1143.3	1147.7	1152.1	1156.5	1160.9	1165.3	1169.7	1174.1	1178.5	1182.9	1187.3	1191.7	1196.1	1200.5	1204.9	1209.3	1213.7	1218.1	1222.5	1226.9	1231.3	1235.7	1240.1	1244.5	1248.9	1253.3	1257.7	1262.1	1266.5	1270.9	1275.3	1279.7	1284.1	1288.5	1292.9	1297.3	1301.7	1306.1	1310.5	1314.9	1319.3	1323.7	1328.1	1332.5	1336.9	1341.3	1345.7	1350.1	1354.5	1358.9	1363.3	1367.7	1372.1	1376.5	1380.9	1385.3	1389.7	1394.1	1398.5	1402.9	1407.3	1411.7	1416.1	1420.5	1424.9	1429.3	1433.7	1438.1	1442.5	1446.9	1451.3	1455.7	1460.1	1464.5	1468.9	1473.3	1477.7	1482.1	1486.5	1490.9	1495.3	1499.7	1504.1	1508.5	1512.9	1517.3	1521.7	1526.1	1530.5	1534.9	1539.3	1543.7	1548.1	1552.5	1556.9	1561.3	1565.7	1570.1	1574.5	1578.9	1583.3	1587.7	1592.1	1596.5	1600.9	1605.3	1609.7	1614.1	1618.5	1622.9	1627.3	1631.7	1636.1	1640.5	1644.9	1649.3	1653.7	1658.1	1662.5	1666.9	1671.3	1675.7	1680.1	1684.5	1688.9	1693.3	1697.7	1702.1	1706.5	1710.9	1715.3	1719.7	1724.1	1728.5	1732.9	1737.3	1741.7	1746.1	1750.5	1754.9	1759.3	1763.7	1768.1	1772.5	1776.9	1781.3	1785.7	1790.1	1794.5	1798.9	1803.3	1807.7	1812.1	1816.5	1820.9	1825.3	1829.7	1834.1	1838.5	1842.9	1847.3	1851.7	1856.1	1860.5	1864.9	1869.3	1873.7	1878.1	1882.5	1886.9	1891.3	1895.7	1900.1	1904.5	1908.9	1913.3	1917.7	1922.1	1926.5	1930.9	1935.3	1939.7	1944.1	1948.5	1952.9	1957.3	1961.7	1966.1	1970.5	1974.9	1979.3	1983.7	1988.1	1992.5	1996.9	2001.3	2005.7	2010.1	2014.5	2018.9	2023.3	2027.7	2032.1	2036.5	2040.9	2045.3	2049.7	2054.1	2058.5	2062.9	2067.3	2071.7	2076.1	2080.5	2084.9	2089.3	2093.7	2098.1	2102.5	2106.9	2111.3	2115.7	2120.1	2124.5	2128.9	2133.3	2137.7	2142.1	2146.5	2150.9	2155.3	2159.7	2164.1	2168.5	2172.9	2177.3	2181.7	2186.1	2190.5	2194.9	2199.3	2203.7	2208.1	2212.5	2216.9	2221.3	2225.7	2230.1	2234.5	2238.9	2243.3	2247.7	2252.1	2256.5	2260.9	2265.3	2269.7	2274.1	2278.5	2282.9	2287.3	2291.7	2296.1	2300.5	2304.9	2309.3	2313.7	2318.1	2322.5	2326.9	2331.3	2335.7	2340.1	2344.5	2348.9	2353.3	2357.7	2362.1	2366.5	2370.9	2375.3	2379.7	2384.1	2388.5	2392.9	2397.3	2401.7	2406.1	2410.5	2414.9	2419.3	2423.7	2428.1	2432.5	2436.9	2441.3	2445.7	2450.1	2454.5	2458.9	2463.3	2467.7	2472.1	2476.5	2480.9	2485.3	2489.7	2494.1	2498.5	2502.9	2507.3	2511.7	2516.1	2520.5	2524.9	2529.3	2533.7	2538.1	2542.5	2546.9	2551.3	2555.7	2560.1	2564.5	2568.9	2573.3	2577.7	2582.1	2586.5	2590.9	2595.3	2599.7	2604.1	2608.5	2612.9	2617.3	2621.7	2626.1	2630.5	2634.9	2639.3	2643.7	2648.1	2652.5	2656.9	2661.3	2665.7	2670.1	2674.5	2678.9	2683.3	2687.7	2692.1	2696.5	2700.9	2705.3	2709.7	2714.1	2718.5	2722.9	2727.3	2731.7	2736.1	2740.5	2744.9	2749.3	2753.7	2758.1	2762.5	2766.9	2771.3	2775.7	2780.1	2784.5	2788.9	2793.3	2797.7	2802.1	2806.5	2810.9	2815.3	2819.7	2824.1	2828.5	2832.9	2837.3	2841.7	2846.1	2850.5	2854.9	2859.3	2863.7	2868.1	2872.5	2876.9	2881.3	2885.7	2890.1	2894.5	2898.9	2903.3	2907.7	2912.1	2916.5	2920.9	2925.3	2929.7	2934.1	2938.5	2942.9	2947.3	2951.7	2956.1	2960.5	2964.9	2969.3	2973.7	2978.1	2982.5	2986.9	2991.3	2995.7	3000.1	3004.5	3008.9	3013.3	3017.7	3022.1	3026.5	3030.9	3035.3	3039.7	3044.1	3048.5	3052.9	3057.3	3061.7	3066.1	3070.5	3074.9	3079.3	3083.7	3088.1	3092.5	3096.9	3101.3	3105.7	3110.1	3114.5	3118.9	3123.3	3127.7	3132.1	3136.5	3140.9	3145.3	3149.7	3154.1	3158.5	3162.9	3167.3	3171.7	3176.1	3180.5	3184.9	3189.3	3193.7	3198.1	3202.5	3206.9	3211.3	3215.7	3220.1	3224.5	3228.9	3233.3	3237.7	3242.1	3246.5	3250.9	3255.3	3259.7	3264.1	3268.5	3272.9	3277.3	3281.7	3286.1	3290.5	3294.9	3299.3	3303.7	3308.1	3312.5	3316.9	3321.3	3325.7	3330.1	3334.5	3338.9	3343.3	3347.7	3352.1	3356.5	3360.9	3365.3	3369.7	3374.1	3378.5	3382.9	3387.3	3391.7	3396.1	3400.5	3404.9	3409.3	3413.7	3418.1	3422.5	3426.9	3431.3	3435.7	3440.1	3444.5	3448.9	3453.3	3457.7	3462.1	3466.5	3470.9	3475.3	3479.7	3484.1	3488.5	3492.9	3497.3	3501.7	3506.1	3510.5	3514.9	3519.3	3523.7	3528.1	3532.5	3536.9	3541.3	3545.7	3550.1	3554.5	3558.9	3563.3	3567.7	3572.1	3576.5	3580.9	3585.3	3589.7	3594.1	3598.5	3602.9	3607.3	3611.7	3616.1	3620.5	3624.9	3629.3	3633.7	3638.1	3642.5	3646.9	3651.3	3655.7	3660.1	3664.5	3668.9	3673.3	3677.7	3682.1	3686.5	3690.9	3695.3	3699.7	3704.1	3708.5	3712.9	3717.3	3721.7	3726.1	3730.5	3734.9	3739.3	3743.7	3748.1	3752.5	3756.9	3761.3	3765.7	3770.1	3774.5	3778.9	3783.3	3787.7	3792.1	3796.5	3800.9	3805.3	3809.7	3814.1	3818.5	3822.9	3827.3	3831.7	3836.1	3840.5	3844.9	3849.3	3853.7	3858.1	3862.5	3866.9	3871.3	3875.7	3880.1	3884.5	3888.9	3893.3	3897.7	3902.1	3906.5	3910.9	3915.3	3919.7	3924.1	3928.5	3932.9	3937.3	3941.7	3946.1	3950.5	3954.9	3959.3	3963.7	3968.1	3972.5	3976.9	3981.3	3985.7	3990.1	3994.5	3998.9	4003.3	4007.7	4012.1	4016.5	4020.9	4025.3	4029.7	4034.1	4038.5	4042.9	4047.3	4051.7	4056.1	4060.5	4064.9

Input and output:

Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15

elementary hue text:

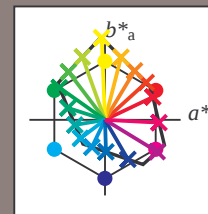
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$$c_R = 1.0$$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

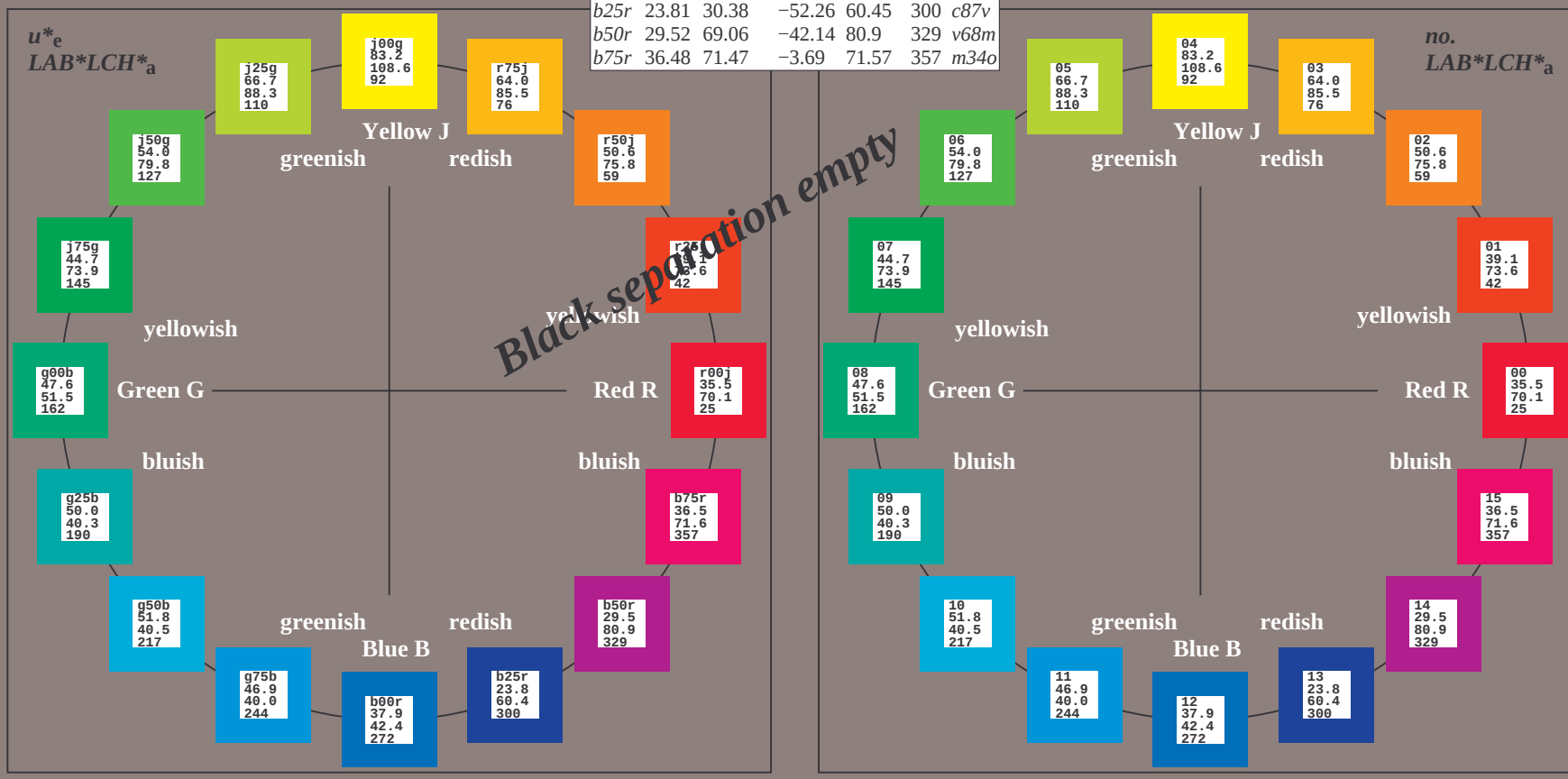
%Regularity

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

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

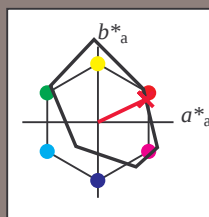
FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = r00j$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

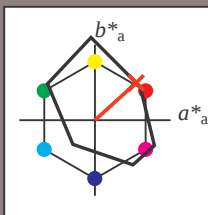
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

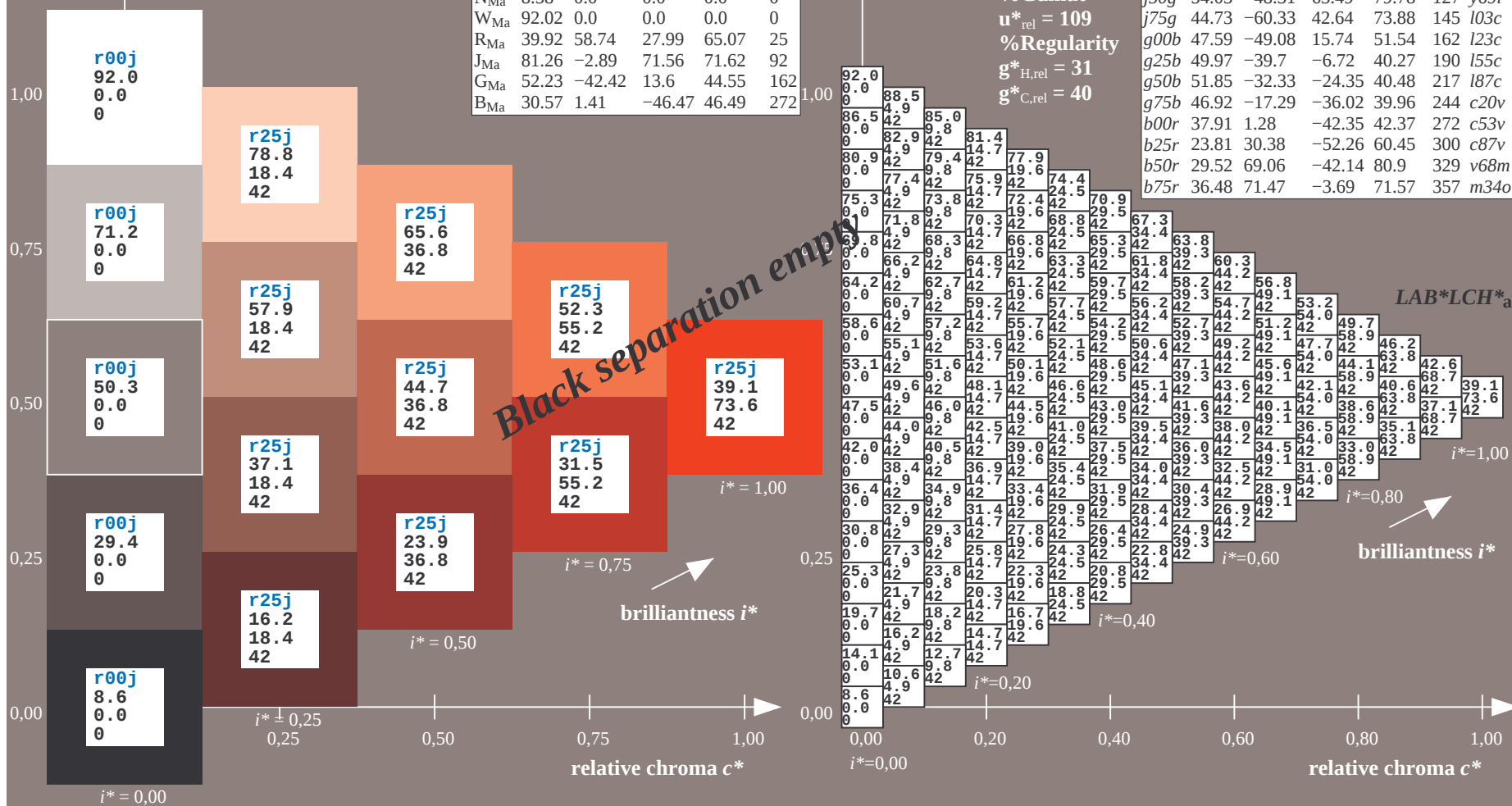
$u^*_{rel} = 109$

%Regularity

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

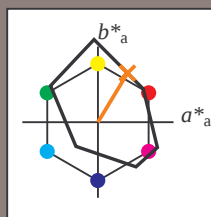
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = r50j$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

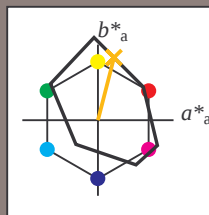
Hue texts:

$u^*_e = r75j$ $u^*_d = o69y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = r75j$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Black separation empty

brilliantness i^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

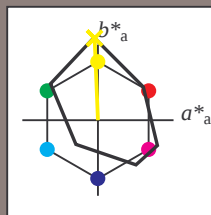
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 83 -4 109

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 83 109 92

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = j00g$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

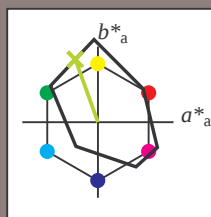
$i^* = 0.20$

Black separation empty

brilliantness i^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

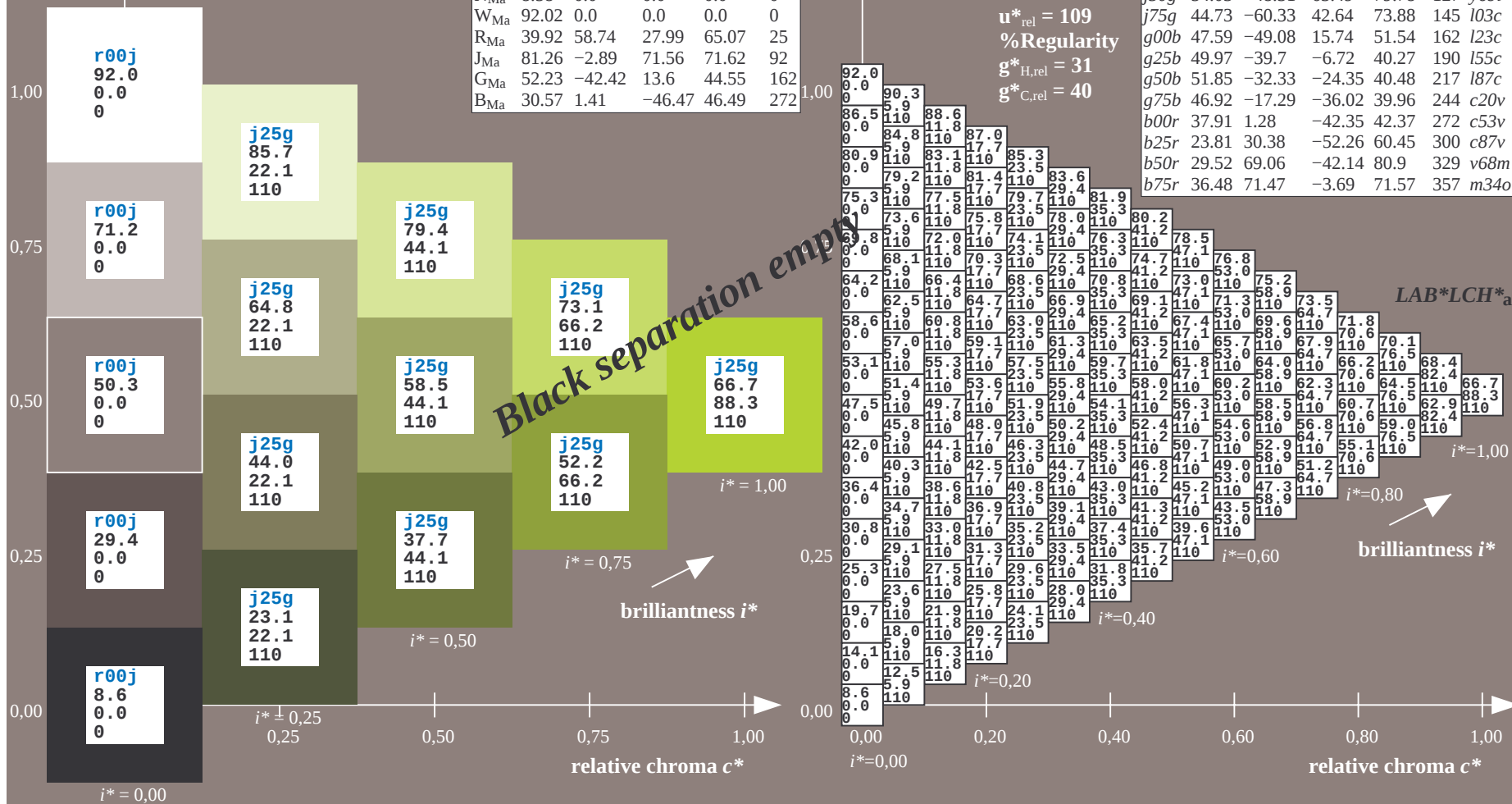
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = j25g$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

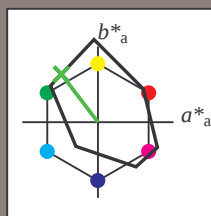
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

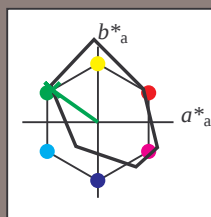
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

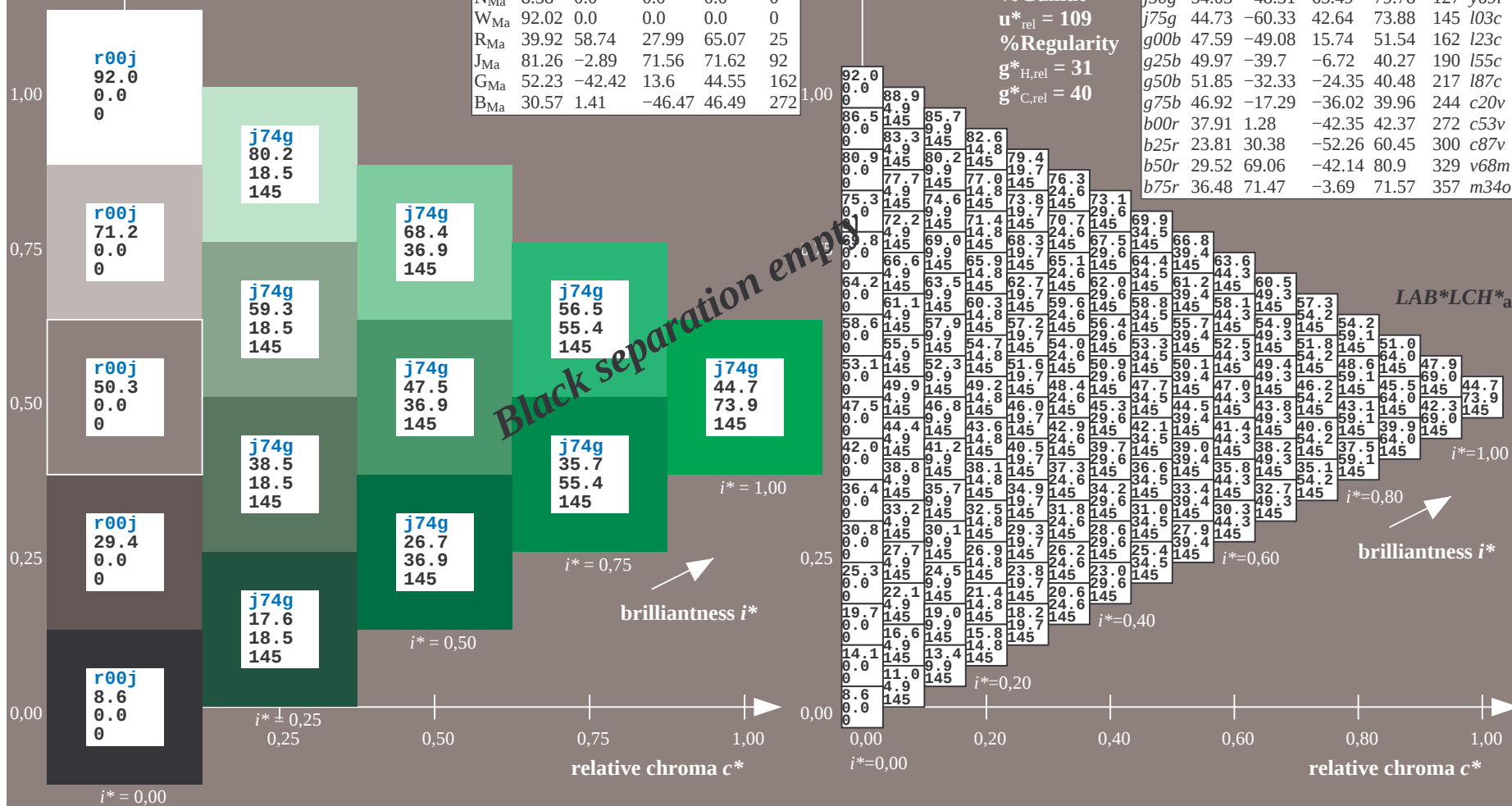
$u^*_{rel} = 109$

%Regularity

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

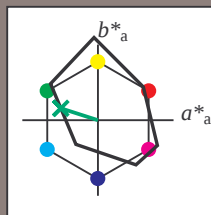
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

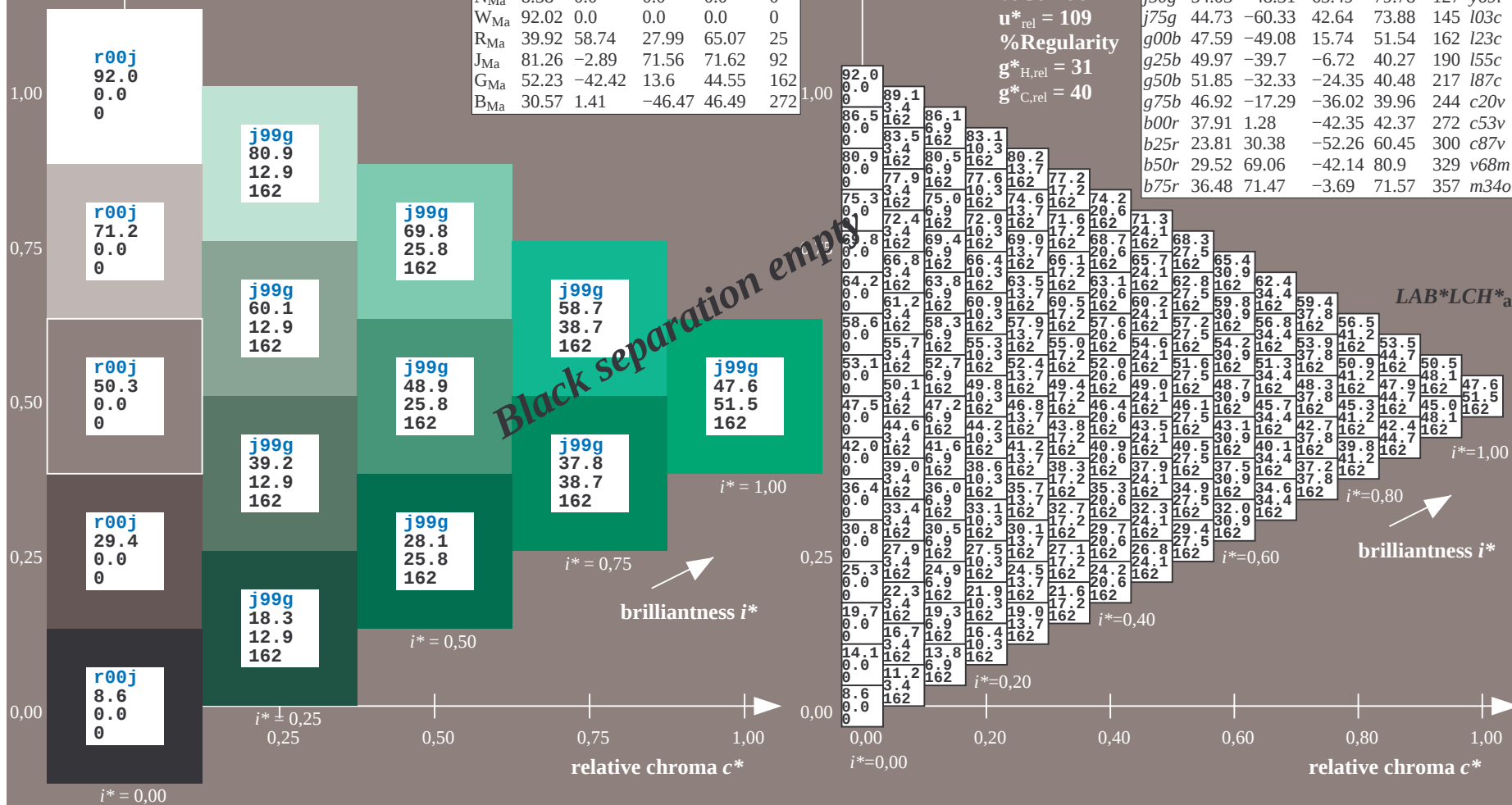
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data								
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25		m81o	
r25j	39.12	54.56	49.45	73.64	42		o10y	
r50j	50.64	39.15	64.89	75.79	59		o40y	
r75j	64.01	21.26	82.83	85.52	76		o69y	
j00g	83.18	-4.38	108.53	108.62	92		o98y	
j25g	66.73	-29.89	83.06	88.28	110		y34l	
j50g	54.03	-48.31	63.49	79.78	127		y69l	
j75g	44.73	-60.33	42.64	73.88	145		l03c	
g00b	47.59	-49.08	15.74	51.54	162		l23c	
g25b	49.97	-39.7	-6.72	40.27	190		l55c	
g50b	51.85	-32.33	-24.35	40.48	217		l87c	
g75b	46.92	-17.29	-36.02	39.96	244		c20v	
b00r	37.91	1.28	-42.35	42.37	272		c53v	
b25r	23.81	30.38	-52.26	60.45	300		c87v	
b50r	29.52	69.06	-42.14	80.9	329		v68m	
b75r	36.48	71.47	-3.69	71.57	357		m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

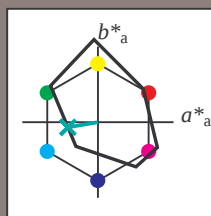
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$LAB^*LCH^*_{Ma}$

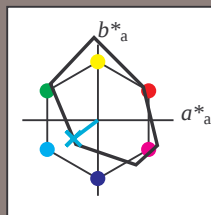
brilliantness i^*

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

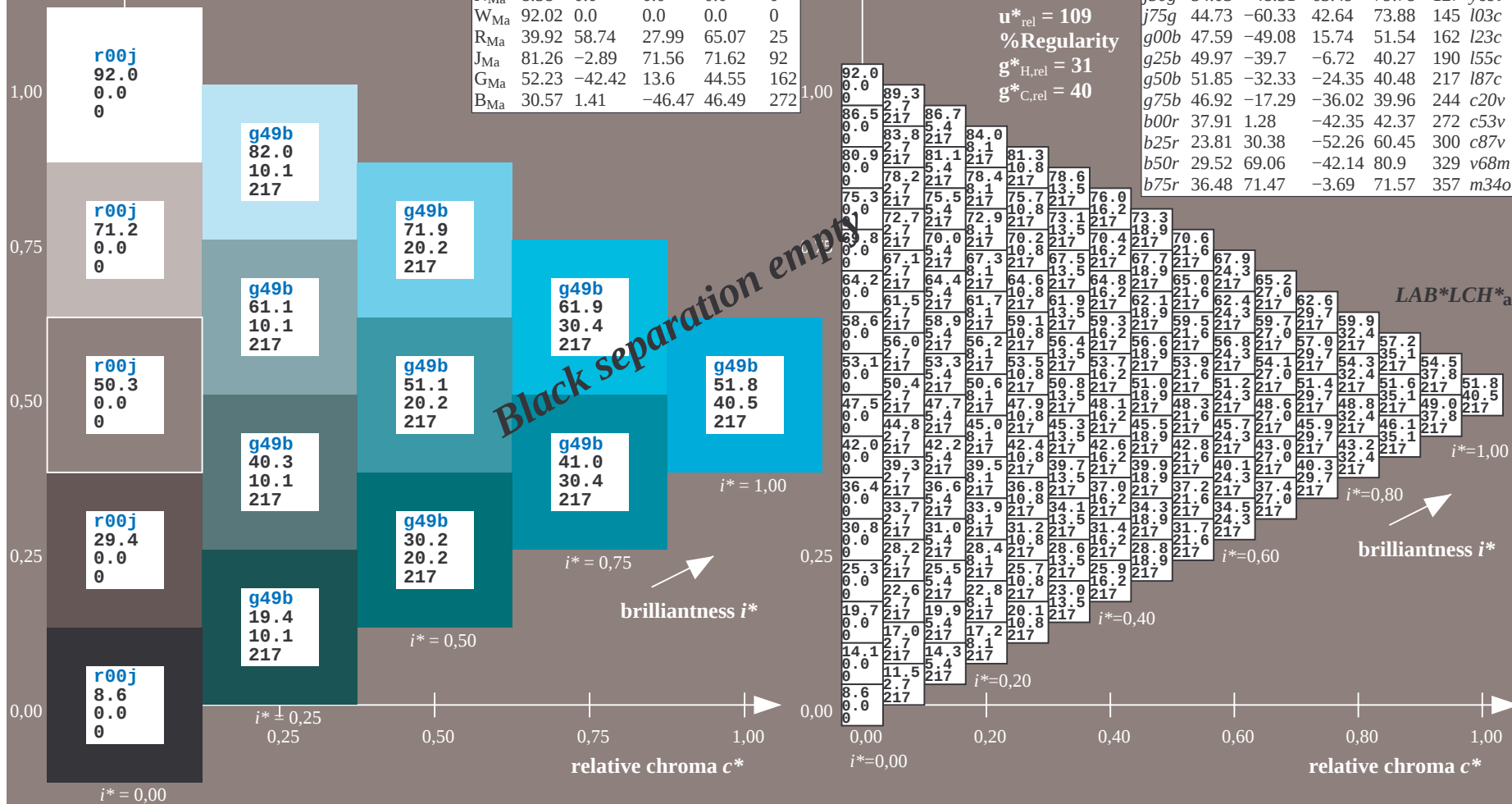
%Regularity

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

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

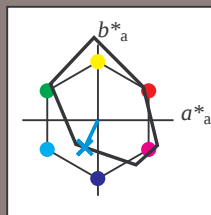
FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = g50b$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

$u^*_e = g75b$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

$\text{LAB}^*\text{LCH}^*_{Ma}$

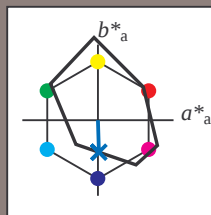
$i^* = 1.00$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

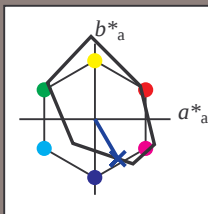
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = b00r$
 $LAB^*LCH^*_{Ma}$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = b25r$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

brilliantness i^*

relative chroma c^*

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

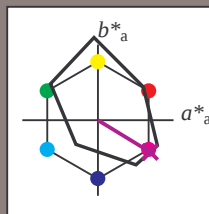
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$u^*_e = b50r$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Black separation empty

brilliantness i^*

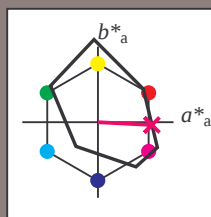
relative chroma c^*

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

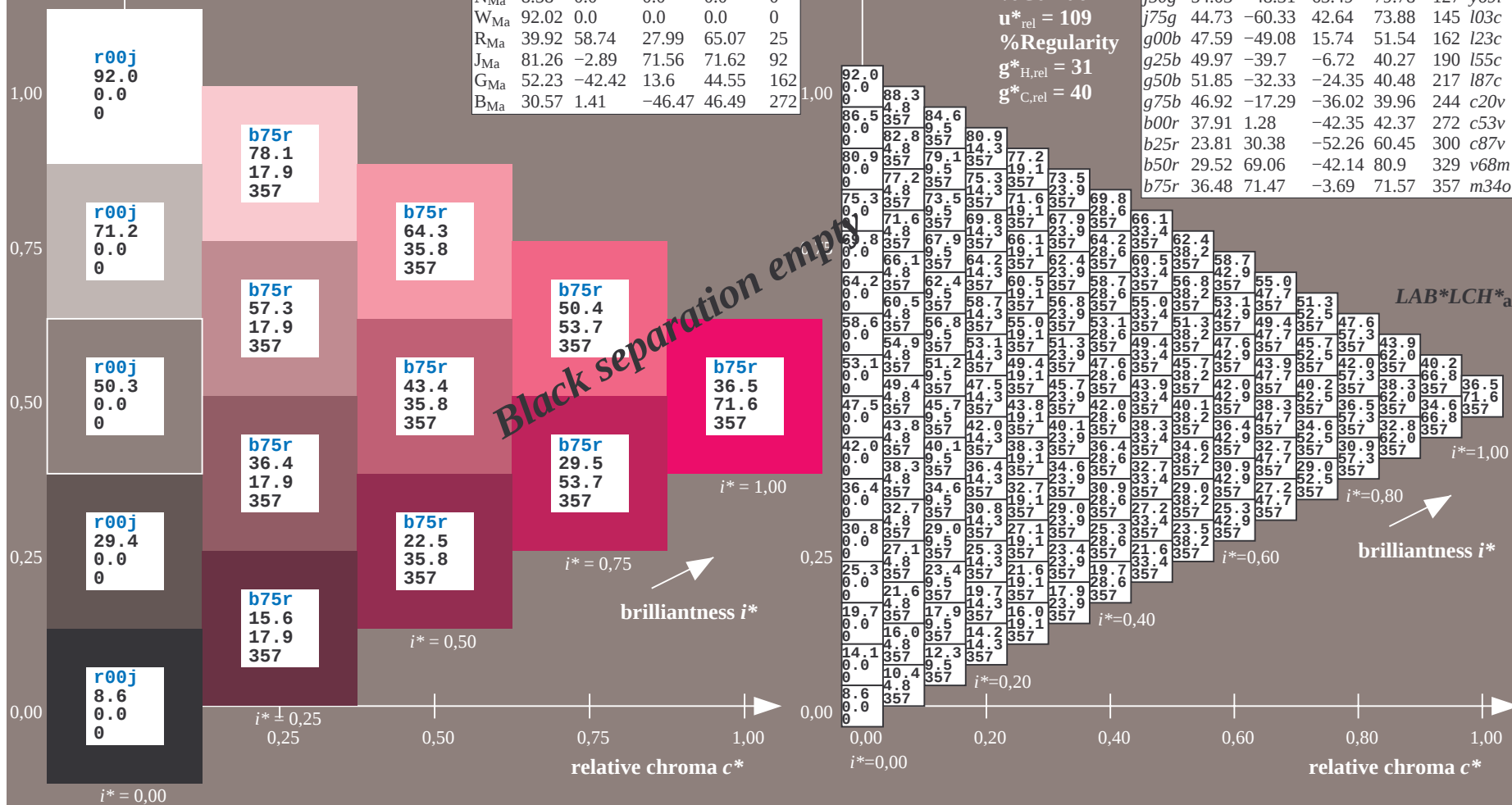
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

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

triangle lightness t^*

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

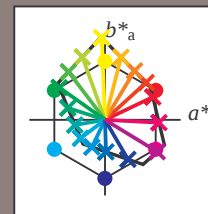
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
01	8.6	13.6	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	184.9	189.3	193.7	198.1	202.5	206.9	211.3	215.7	220.1	224.5	228.9	233.3	237.7	242.1	246.5	250.9	255.3	259.7	264.1	268.5	272.9	277.3	281.7	286.1	290.5	294.9	299.3	303.7	308.1	312.5	316.9	321.3	325.7	330.1	334.5	338.9	343.3	347.7	352.1	356.5	360.9	365.3	369.7	374.1	378.5	382.9	387.3	391.7	396.1	400.5	404.9	409.3	413.7	418.1	422.5	426.9	431.3	435.7	440.1	444.5	448.9	453.3	457.7	462.1	466.5	470.9	475.3	479.7	484.1	488.5	492.9	497.3	501.7	506.1	510.5	514.9	519.3	523.7	528.1	532.5	536.9	541.3	545.7	550.1	554.5	558.9	563.3	567.7	572.1	576.5	580.9	585.3	589.7	594.1	598.5	602.9	607.3	611.7	616.1	620.5	624.9	629.3	633.7	638.1	642.5	646.9	651.3	655.7	660.1	664.5	668.9	673.3	677.7	682.1	686.5	690.9	695.3	699.7	704.1	708.5	712.9	717.3	721.7	726.1	730.5	734.9	739.3	743.7	748.1	752.5	756.9	761.3	765.7	770.1	774.5	778.9	783.3	787.7	792.1	796.5	800.9	805.3	809.7	814.1	818.5	822.9	827.3	831.7	836.1	840.5	844.9	849.3	853.7	858.1	862.5	866.9	871.3	875.7	880.1	884.5	888.9	893.3	897.7	902.1	906.5	910.9	915.3	919.7	924.1	928.5	932.9	937.3	941.7	946.1	950.5	954.9	959.3	963.7	968.1	972.5	976.9	981.3	985.7	990.1	994.5	998.9	1003.3	1007.7	1012.1	1016.5	1020.9	1025.3	1029.7	1034.1	1038.5	1042.9	1047.3	1051.7	1056.1	1060.5	1064.9	1069.3	1073.7	1078.1	1082.5	1086.9	1091.3	1095.7	1100.1	1104.5	1108.9	1113.3	1117.7	1122.1	1126.5	1130.9	1135.3	1139.7	1144.1	1148.5	1152.9	1157.3	1161.7	1166.1	1170.5	1174.9	1179.3	1183.7	1188.1	1192.5	1196.9	1201.3	1205.7	1210.1	1214.5	1218.9	1223.3	1227.7	1232.1	1236.5	1240.9	1245.3	1249.7	1254.1	1258.5	1262.9	1267.3	1271.7	1276.1	1280.5	1284.9	1289.3	1293.7	1298.1	1302.5	1306.9	1311.3	1315.7	1320.1	1324.5	1328.9	1333.3	1337.7	1342.1	1346.5	1350.9	1355.3	1359.7	1364.1	1368.5	1372.9	1377.3	1381.7	1386.1	1390.5	1394.9	1399.3	1403.7	1408.1	1412.5	1416.9	1421.3	1425.7	1430.1	1434.5	1438.9	1443.3	1447.7	1452.1	1456.5	1460.9	1465.3	1469.7	1474.1	1478.5	1482.9	1487.3	1491.7	1496.1	1500.5	1504.9	1509.3	1513.7	1518.1	1522.5	1526.9	1531.3	1535.7	1540.1	1544.5	1548.9	1553.3	1557.7	1562.1	1566.5	1570.9	1575.3	1579.7	1584.1	1588.5	1592.9	1597.3	1601.7	1606.1	1610.5	1614.9	1619.3	1623.7	1628.1	1632.5	1636.9	1641.3	1645.7	1650.1	1654.5	1658.9	1663.3	1667.7	1672.1	1676.5	1680.9	1685.3	1689.7	1694.1	1698.5	1702.9	1707.3	1711.7	1716.1	1720.5	1724.9	1729.3	1733.7	1738.1	1742.5	1746.9	1751.3	1755.7	1760.1	1764.5	1768.9	1773.3	1777.7	1782.1	1786.5	1790.9	1795.3	1799.7	1804.1	1808.5	1812.9	1817.3	1821.7	1826.1	1830.5	1834.9	1839.3	1843.7	1848.1	1852.5	1856.9	1861.3	1865.7	1870.1	1874.5	1878.9	1883.3	1887.7	1892.1	1896.5	1900.9	1905.3	1909.7	1914.1	1918.5	1922.9	1927.3	1931.7	1936.1	1940.5	1944.9	1949.3	1953.7	1958.1	1962.5	1966.9	1971.3	1975.7	1980.1	1984.5	1988.9	1993.3	1997.7	2002.1	2006.5	2010.9	2015.3	2019.7	2024.1	2028.5	2032.9	2037.3	2041.7	2046.1	2050.5	2054.9	2059.3	2063.7	2068.1	2072.5	2076.9	2081.3	2085.7	2090.1	2094.5	2098.9	2103.3	2107.7	2112.1	2116.5	2120.9	2125.3	2129.7	2134.1	2138.5	2142.9	2147.3	2151.7	2156.1	2160.5	2164.9	2169.3	2173.7	2178.1	2182.5	2186.9	2191.3	2195.7	2200.1	2204.5	2208.9	2213.3	2217.7	2222.1	2226.5	2230.9	2235.3	2239.7	2244.1	2248.5	2252.9	2257.3	2261.7	2266.1	2270.5	2274.9	2279.3	2283.7	2288.1	2292.5	2296.9	2301.3	2305.7	2310.1	2314.5	2318.9	2323.3	2327.7	2332.1	2336.5	2340.9	2345.3	2349.7	2354.1	2358.5	2362.9	2367.3	2371.7	2376.1	2380.5	2384.9	2389.3	2393.7	2398.1	2402.5	2406.9	2411.3	2415.7	2420.1	2424.5	2428.9	2433.3	2437.7	2442.1	2446.5	2450.9	2455.3	2459.7	2464.1	2468.5	2472.9	2477.3	2481.7	2486.1	2490.5	2494.9	2499.3	2503.7	2508.1	2512.5	2516.9	2521.3	2525.7	2530.1	2534.5	2538.9	2543.3	2547.7	2552.1	2556.5	2560.9	2565.3	2569.7	2574.1	2578.5	2582.9	2587.3	2591.7	2596.1	2600.5	2604.9	2609.3	2613.7	2618.1	2622.5	2626.9	2631.3	2635.7	2640.1	2644.5	2648.9	2653.3	2657.7	2662.1	2666.5	2670.9	2675.3	2679.7	2684.1	2688.5	2692.9	2697.3	2701.7	2706.1	2710.5	2714.9	2719.3	2723.7	2728.1	2732.5	2736.9	2741.3	2745.7	2750.1	2754.5	2758.9	2763.3	2767.7	2772.1	2776.5	2780.9	2785.3	2789.7	2794.1	2798.5	2802.9	2807.3	2811.7	2816.1	2820.5	2824.9	2829.3	2833.7	2838.1	2842.5	2846.9	2851.3	2855.7	2860.1	2864.5	2868.9	2873.3	2877.7	2882.1	2886.5	2890.9	2895.3	2899.7	2904.1	2908.5	2912.9	2917.3	2921.7	2926.1	2930.5	2934.9	2939.3	2943.7	2948.1	2952.5	2956.9	2961.3	2965.7	2970.1	2974.5	2978.9	2983.3	2987.7	2992.1	2996.5	3000.9	3005.3	3009.7	3014.1	3018.5	3022.9	3027.3	3031.7	3036.1	3040.5	3044.9	3049.3	3053.7	3058.1	3062.5	3066.9	3071.3	3075.7	3080.1	3084.5	3088.9	3093.3	3097.7	3102.1	3106.5	3110.9	3115.3	3119.7	3124.1	3128.5	3132.9	3137.3	3141.7	3146.1	3150.5	3154.9	3159.3	3163.7	3168.1	3172.5	3176.9	3181.3	3185.7	3190.1	3194.5	3198.9	3203.3	3207.7	3212.1	3216.5	3220.9	3225.3	3229.7	3234.1	3238.5	3242.9	3247.3	3251.7	3256.1	3260.5	3264.9	3269.3	3273.7	3278.1	3282.5	3286.9	3291.3	3295.7	3300.1	3304.5	3308.9	3313.3	3317.7	3322.1	3326.5	3330.9	3335.3	3339.7	3344.1	3348.5	3352.9	3357.3	3361.7	3366.1	3370.5	3374.9	3379.3	3383.7	3388.1	3392.5	3396.9	3401.3	3405.7	3410.1	3414.5	3418.9	3423.3	3427.7	3432.1	3436.5	3440.9	3445.3	3449.7	3454.1	3458.5	3462.9	3467.3	3471.7	3476.1	3480.5	3484.9	3489.3	3493.7	3498.1	3502.5	3506.9	3511.3	3515.7	3520.1	3524.5	3528.9	3533.3	3537.7	3542.1	3546.5	3550.9	3555.3	3559.7	3564.1	3568.5	3572.9	3577.3	3581.7	3586.1	3590.5	3594.9	3599.3	3603.7	3608.1	3612.5	3616.9	3621.3	3625.7	3630.1	3634.5	3638.9	3643.3	3647.7	3652.1	3656.5	3660.9	3665.3	3669.7	3674.1	3678.5	3682.9	3687.3	3691.7	3696.1	3700.5	3704.9	3709.3	3713.7	3718.1	3722.5	3726.9	3731.3	3735.7	3740.1	3744.5	3748.9	3753.3	3757.7	3762.1	3766.5	3770.9	3775.3	3779.7	3784.1	3788.5	3792.9	3797.3	3801.7	3806.1	3810.5	3814.9	3819.3	3823.7	3828.1	3832.5	3836.9	3841.3	3845.7	3850.1	3854.5	3858.9	3863.3	3867.7	3872.1	3876.5	3880.9	3885.3	3889.7	3894.1	3898.5	3902.9	3907.3	3911.7	3916.1	3920.5	3924.9	3929.3	3933.7	3938.1	3942.5	3946.9	3951.3	3955.7	3960.1	3964.5	3968.9	3973.3	3977.7	3982.1	3986.5	3990.9	3995.3	3999.7	4004.1	4008.5	4012.9	4017.3	4021.7	4026.1	4030.5	4034.9	4039.3	4043.7	4048.1	4052.5	4056.9	4061.3	4065.7	4070.1	4074.5	4078.9	4083.3	4087.7	4092.1	4096.5	4100.9	4105.3	4109.7	4114.1	4118.5	4122.9	4127.3	4131.7	4136.1	4140.5	4144.9	4149.3	4153.7	4158.1	4162.5	4166.9	4171.3	4175.7	4180.1	4184.5	4188.9	4193.3	4197.7	4202.1	4206.5	4210.9	4215.3	4219.7	4224.1	4228.5	4232.9	4237.3	4241.7	4246.1	4250.5	4254.9	4259.3	4263.7	4268.1	4272.5	4276.9	4281.3	4285.7	4290.1	4294.5	4298.9	4303.3	4307.7	4312.1	4316.5	4320.9	4325.3	4329.7	4334.1	4338.5	4342.9	4347.3	4351.7	4356.1	4360.5	4364.9	4369.3	4373.7	4378.1	4382.5	4386.9	4391.3	4395.7	4400.1	4404.5	4408.9	4413.3	4417.7	4422.1	4426.5	4430.9	4435.3	4439.7	4444.1	4448.5	4452.9	4457.3	4461.7	4466.1	4470.5	4474.9	4479.3	4483.7	4488.1	4492.5	4496.9	4501.3	4505.7	4510.1	4514.5	4518.9	4523.3	4527.7	4532.1	4536.5	4540.9	4545.3	4549.7	4554.1	4558.5	4562.9	4567.3	4571.7	4576.1	4580.5	4584.9	4589.3	4593.7	4598.1	4602.5	4606.9	4611.3	4615.7	4620.1	4624.5	4628.9	4633.3	4637.7	4642.1	4646.5	4650.9	4655.3	4659.7	4664.1	4668.5	4672.9	4677.3	4681.7	4686.1	4690.5	4694.9	4699.3	4703.7	4708.1	4712.5	4716.9	4721.3	4725.7	4730.1	4734.5	4738.9	4743.3	4747.7	4752.1	4756.5	4760.9	4765.3	4769.7	4774.1	4778.5	4782.9	4787.3	4791.7	4796.1	4800.5	4804.9	4809.3	4813.7	4818.1	4822.5	4826.9	4831.3	4835.7	4840.1	4844.5	4848.9	4853.3	4857.7	4862.1	4866.5	

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

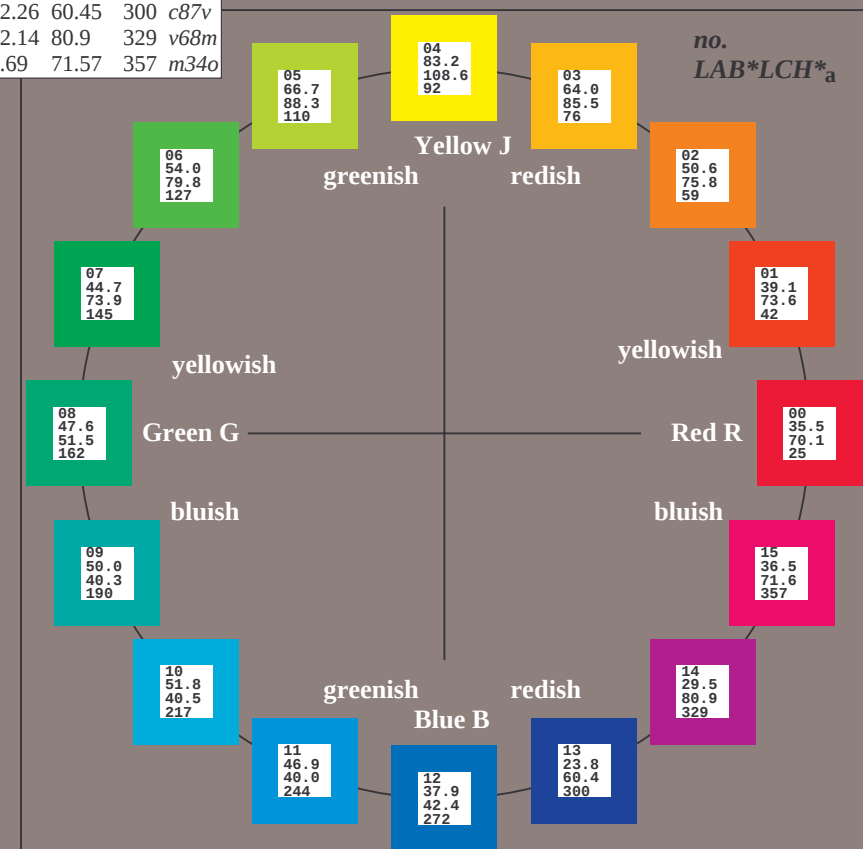
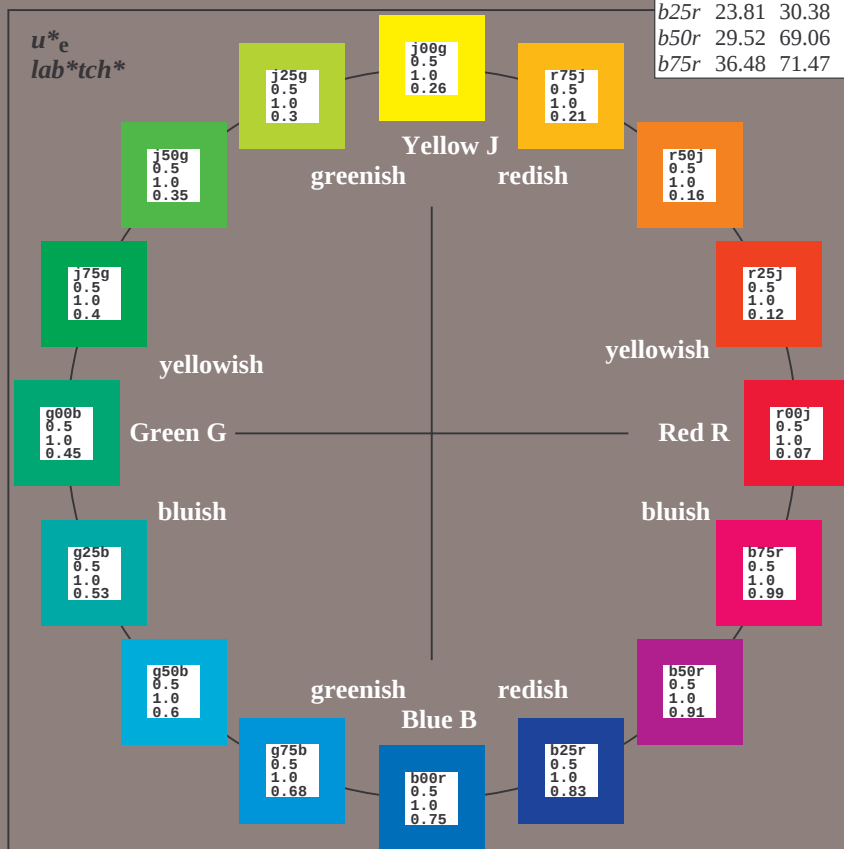
%Regularity

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

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

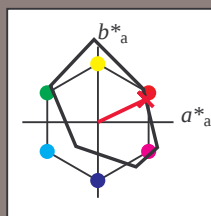
FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	-5.17	109.32	109.44	93
L_{Ma}	44.13	-62.67	48.24	79.09	142
C_{Ma}	52.66	-29.14	-31.99	43.27	228
V_{Ma}	14.15	50.3	-59.04	77.57	310
M_{Ma}	37.37	78.64	-33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	95
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

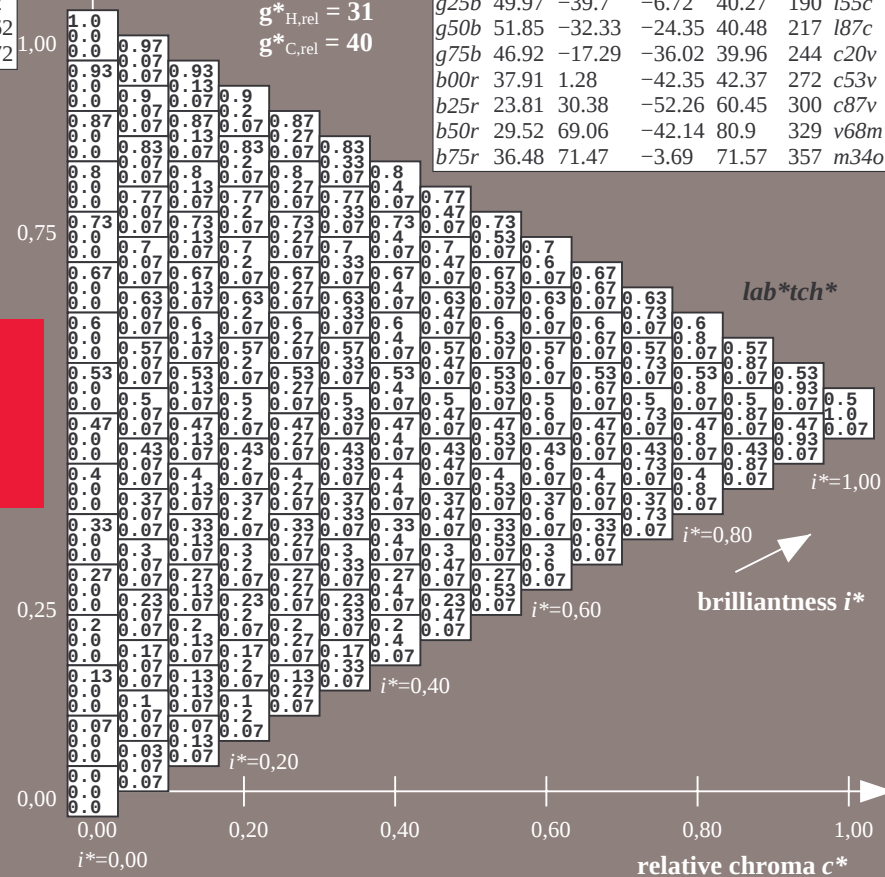
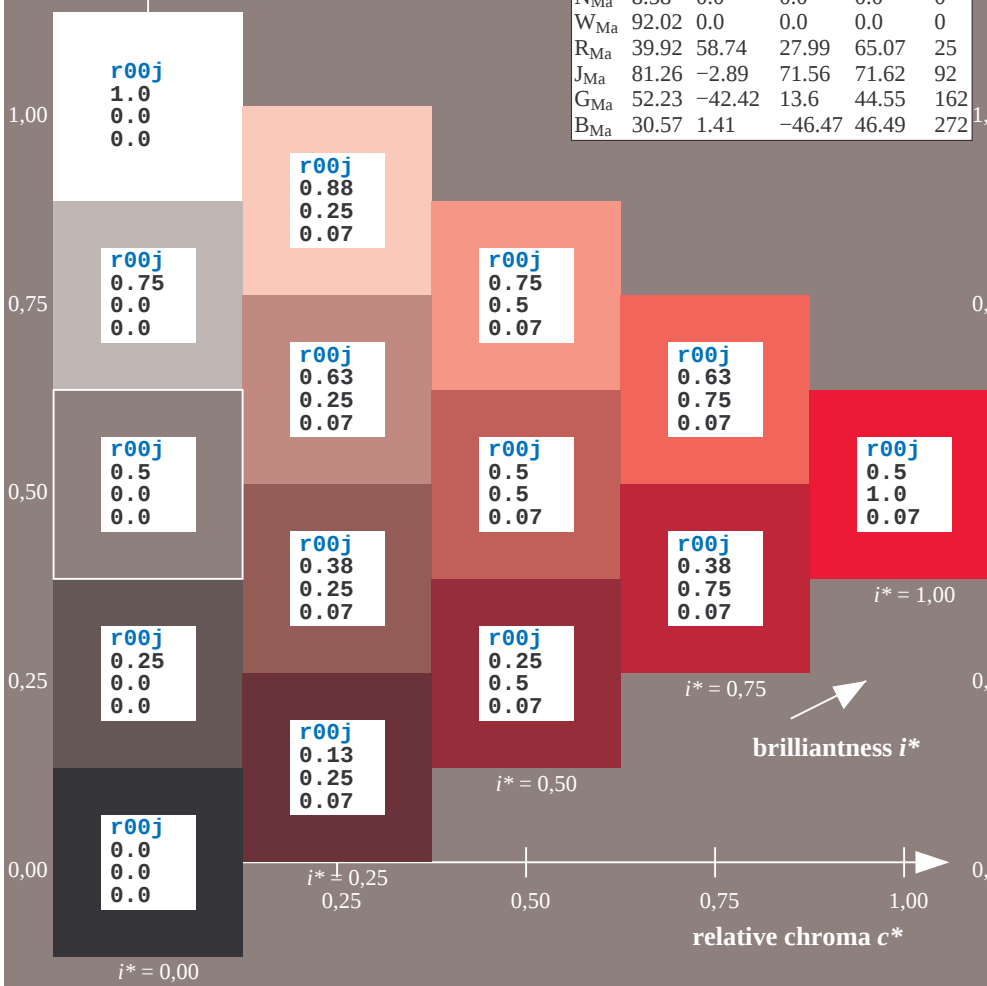
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.117$ data for any colour: Data for maximum colour (Ma):

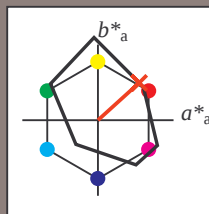
$u^*_e = r25j$
 lab^*tch^*

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

Hue texts:

$$u^*_e = r25j \quad u^*_d = o10y$$

contrast reduction factor:

$$c_D = 1.0$$
triangle lightness t^* 

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0		44.0	74.4	36
Y _{Ma}	83.77	-5.17		109.32	109.44	93
L _{Ma}	44.13	-62.67		48.24	79.09	142
C _{Ma}	52.66	-29.14		-31.99	43.27	228
V _{Ma}	14.15	50.3		-59.04	77.57	310
M _{Ma}	37.37	78.64		-33.5	85.48	337
N _{Ma}	8.58	0.0		0.0	0.0	0
W _{Ma}	92.02	0.0		0.0	0.0	0
R _{Ma}	39.92	58.74		27.99	65.07	25
J _{Ma}	81.26	-2.89		71.56	71.62	92
G _{Ma}	52.23	-42.42		13.6	44.59	162
B _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

*LAB*LAB**M₃: 39 55 49

LAB*LCH*_M: 39 74 42
$$lch*rch*5 : 1.0 \ 0.25 \ 0.0$$

1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0

 $100 \text{ Ma} \cdot 1.0 \quad 0.11 \quad 0.0$

triangle lightness t^*

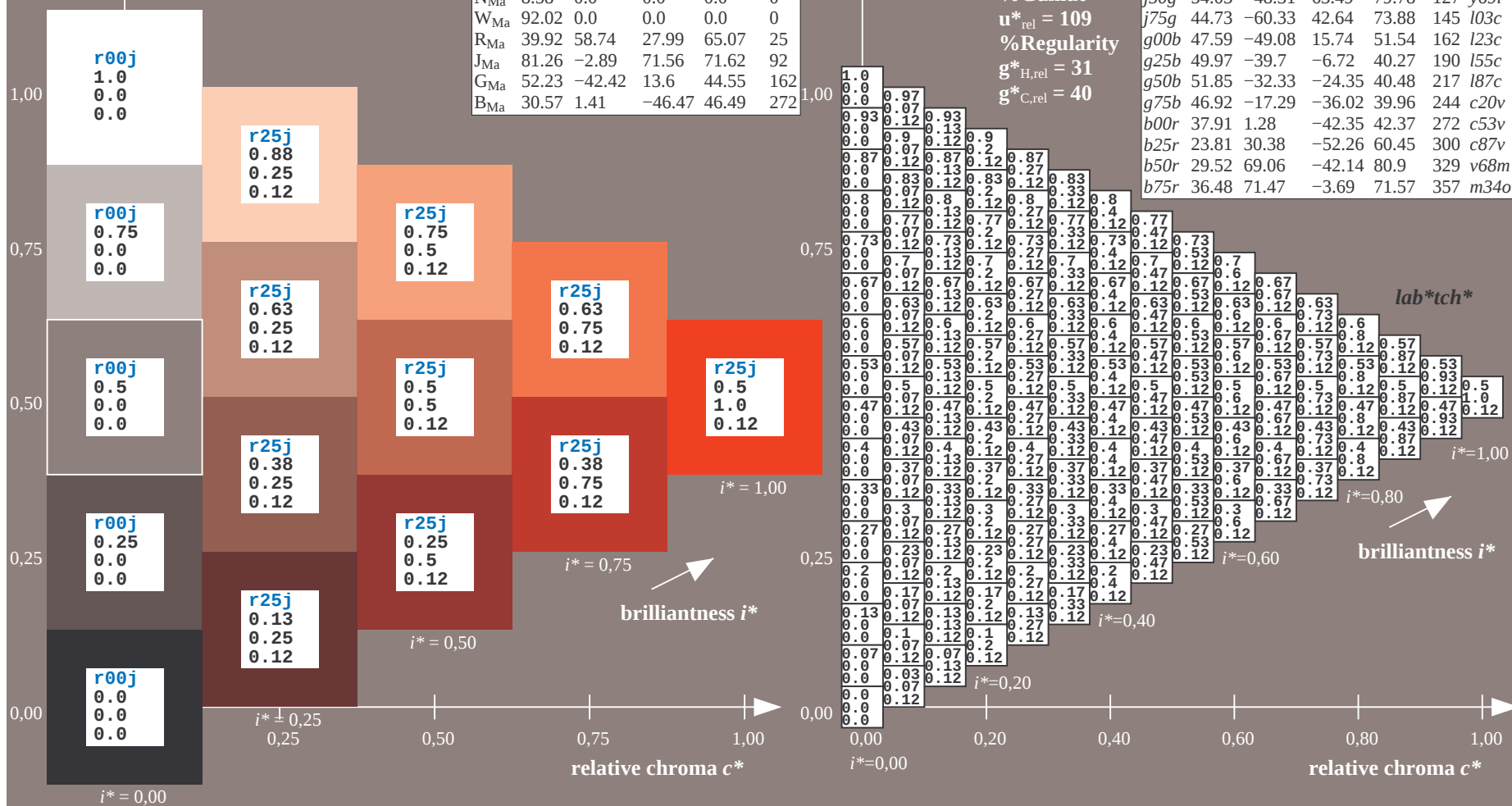
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

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

FRS09_92a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81a</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	

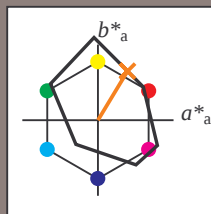


BAM-test chart Ee36; Colorimetric systems, Page 111/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmv0* setcmvcolor
```

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

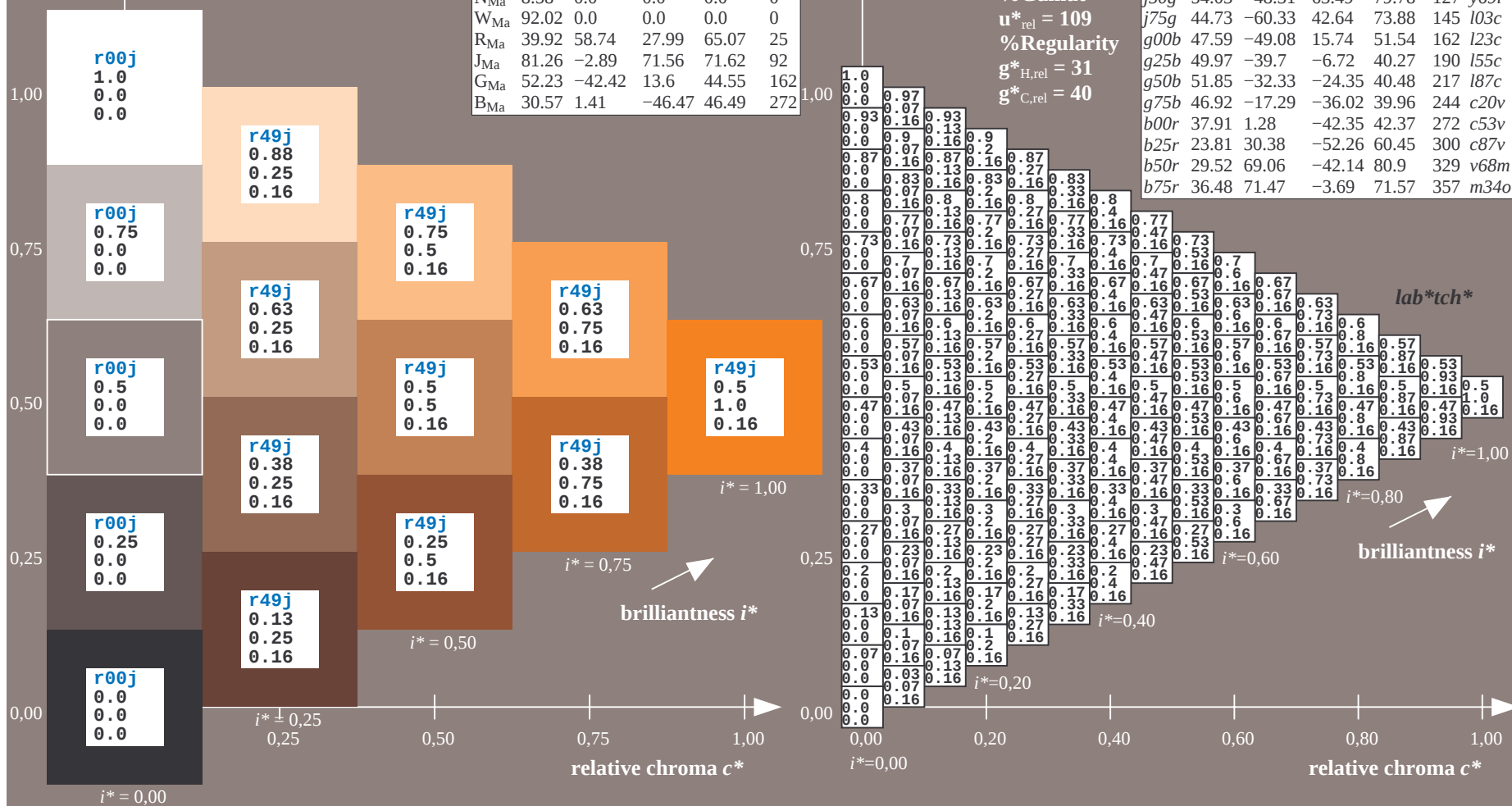
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
r00j	35.47	63.32	30.17	70.15	25		m81o		
r25j	39.12	54.56	49.45	73.64	42		o10y		
r50j	50.64	39.15	64.89	75.79	59		o40y		
r75j	64.01	21.26	82.83	85.52	76		o69y		
j00g	83.18	-4.38	108.53	108.62	92		o98y		
j25g	66.73	-29.89	83.06	88.28	110		y34l		
j50g	54.03	-48.31	63.49	79.78	127		y69l		
j75g	44.73	-60.33	42.64	73.88	145		l03c		
g00b	47.59	-49.08	15.74	51.54	162		l23c		
g25b	49.97	-39.7	-6.72	40.27	190		l55c		
g50b	51.85	-32.33	-24.35	40.48	217		l87c		
g75b	46.92	-17.29	-36.02	39.96	244		c20v		
b00r	37.91	1.28	-42.35	42.37	272		c53v		
b25r	23.81	30.38	-52.26	60.45	300		c87v		
b50r	29.52	69.06	-42.14	80.9	329		v68m		
b75r	36.48	71.47	-3.69	71.57	357		m34o		



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

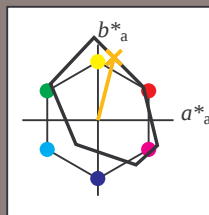
Hue texts:

$u^*_e = r75j$ $u^*_d = o69y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

% Gamut

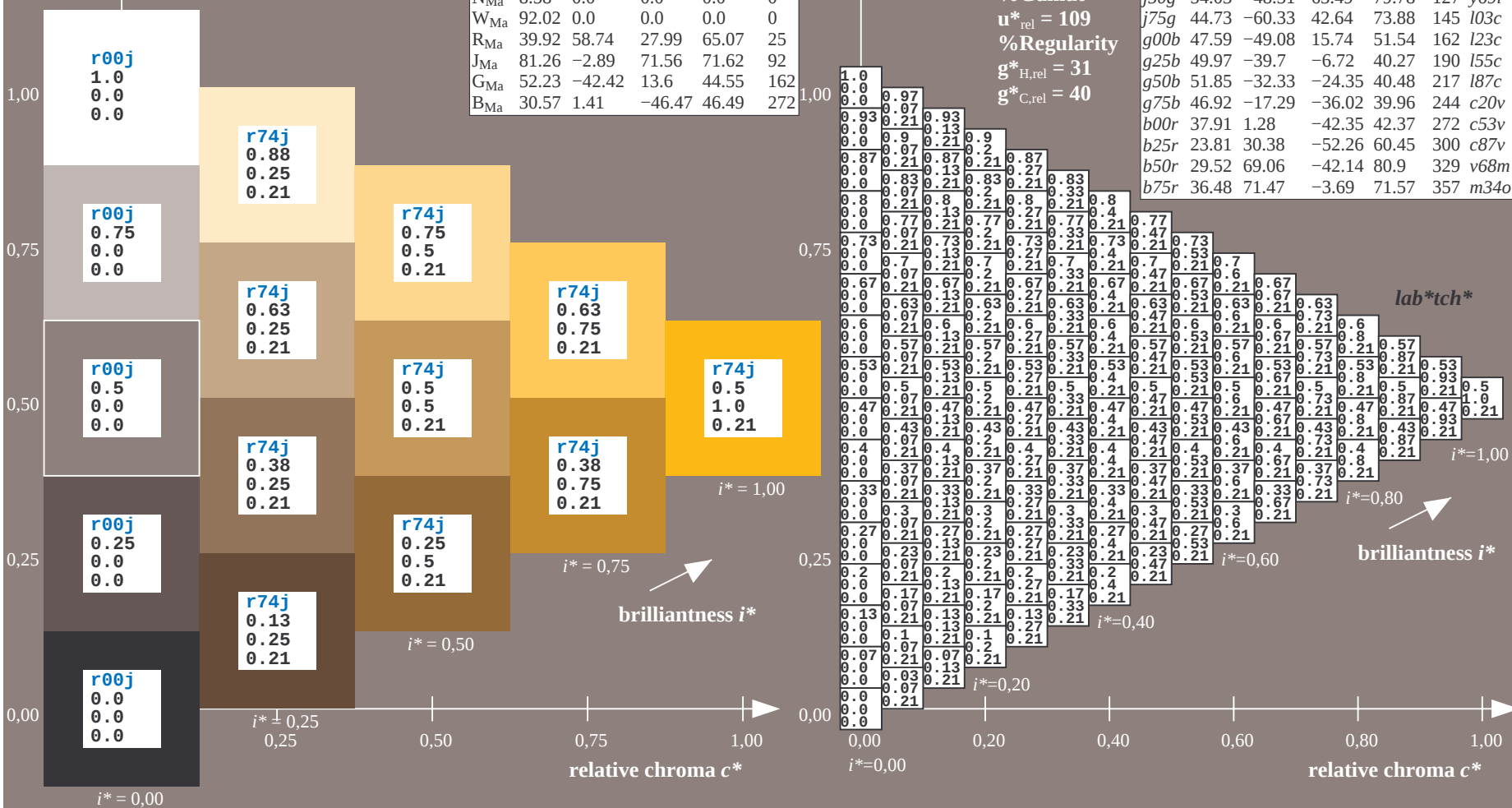
$u^*_{rel} = 109$

% Regularity

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

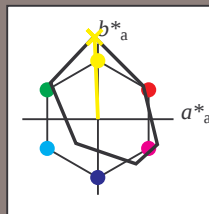
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0		44.0	74.4	36
Y _{Ma}	83.77	-5.17		109.32	109.44	93
L _{Ma}	44.13	-62.67		48.24	79.09	142
C _{Ma}	52.66	-29.14		-31.99	43.27	228
V _{Ma}	14.15	50.3		-59.04	77.57	310
M _{Ma}	37.37	78.64		-33.5	85.48	337
N _{Ma}	8.58	0.0		0.0	0.0	0
W _{Ma}	92.02	0.0		0.0	0.0	0
R _{Ma}	39.92	58.74		27.99	65.07	25
J _{Ma}	81.26	-2.89		71.56	71.62	92
G _{Ma}	52.23	-42.42		13.6	44.55	162
B _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

% Gamut

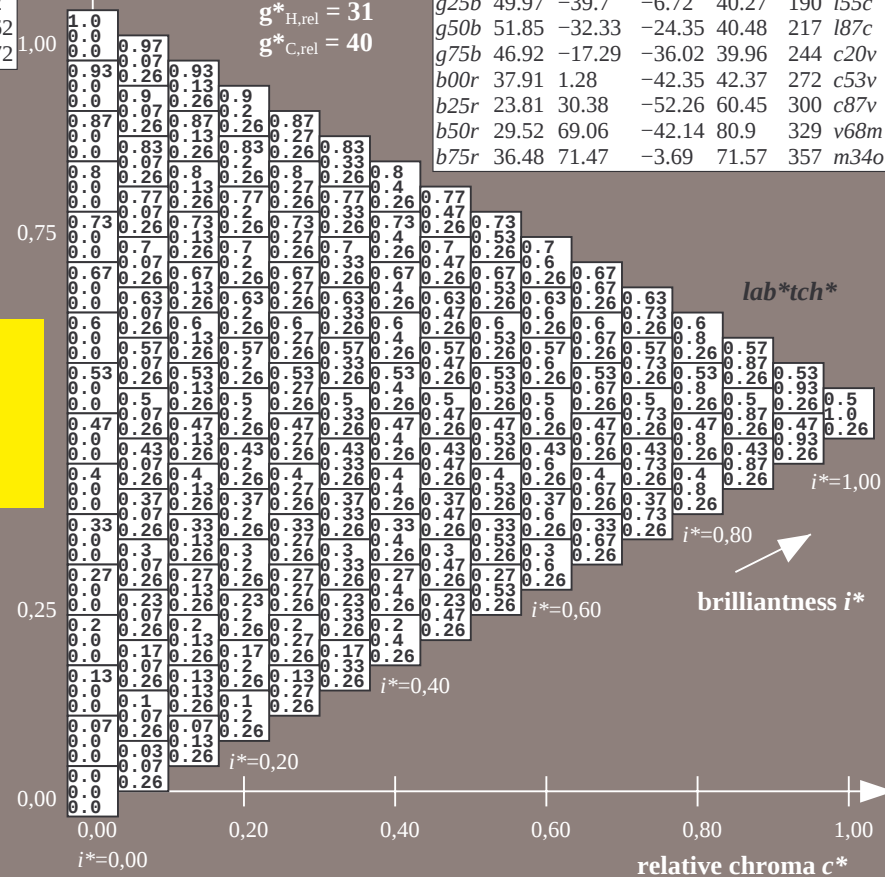
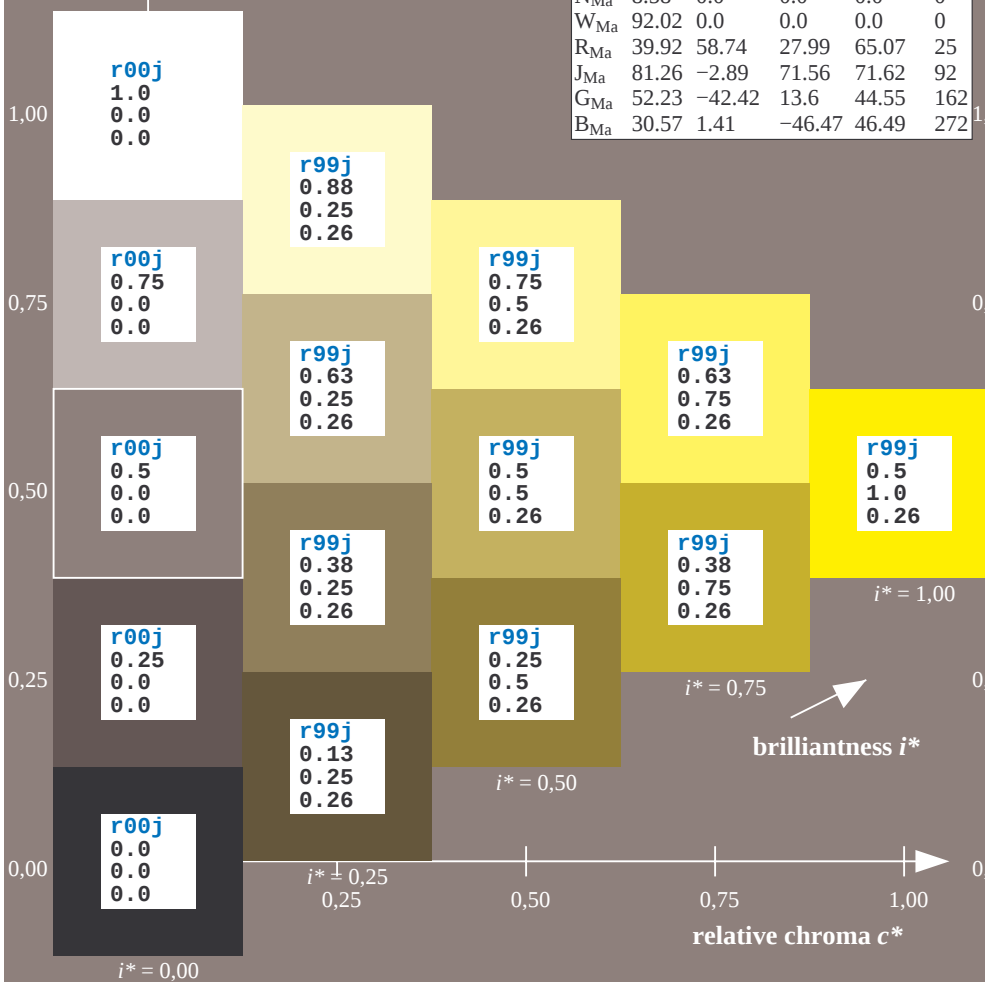
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

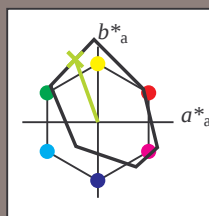
Hue texts:

$u_e^* = j25g$ $u_d^* = y34l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

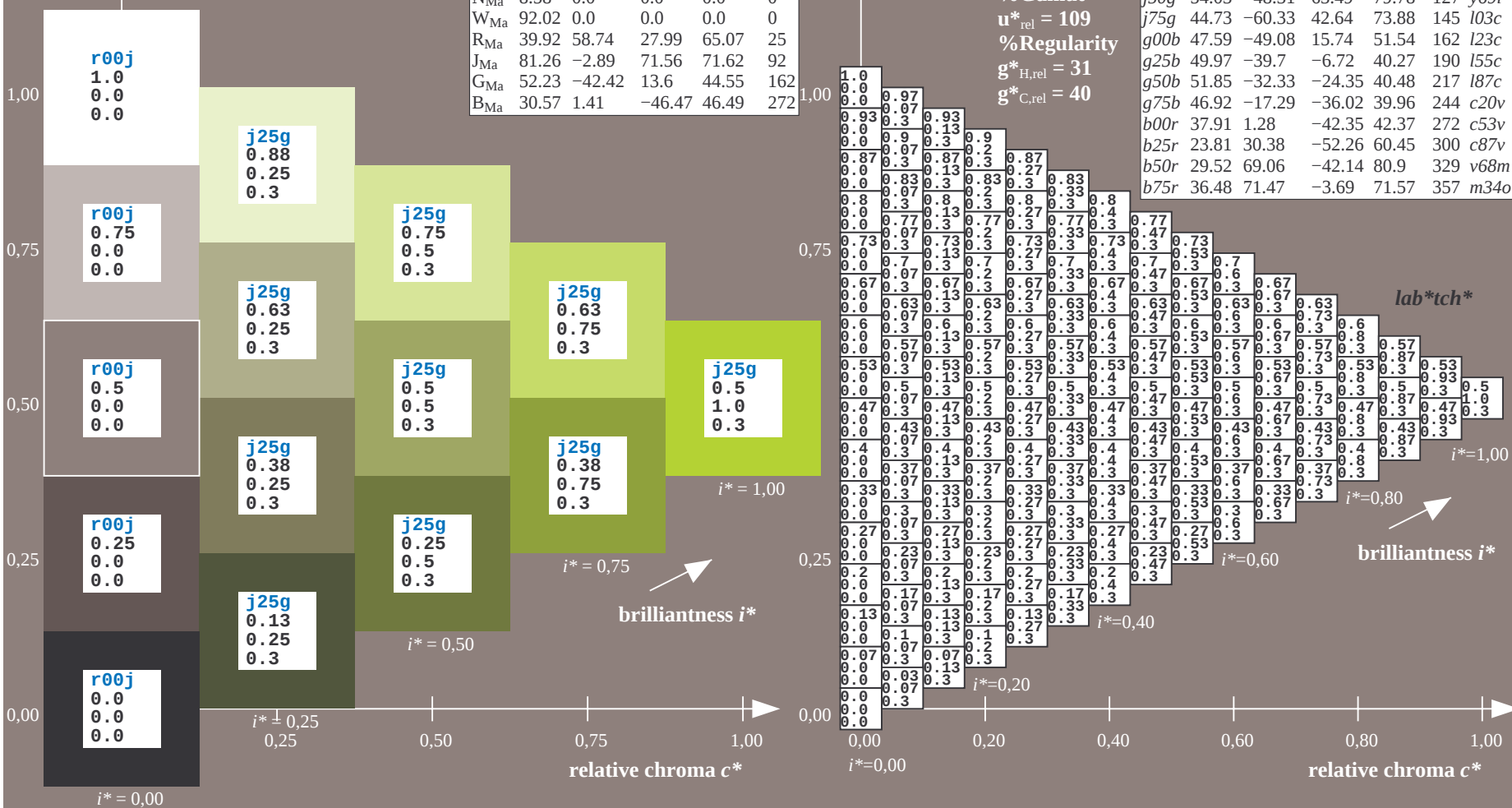
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

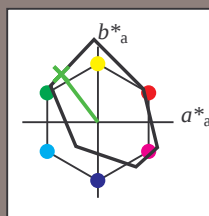
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

% Gamut

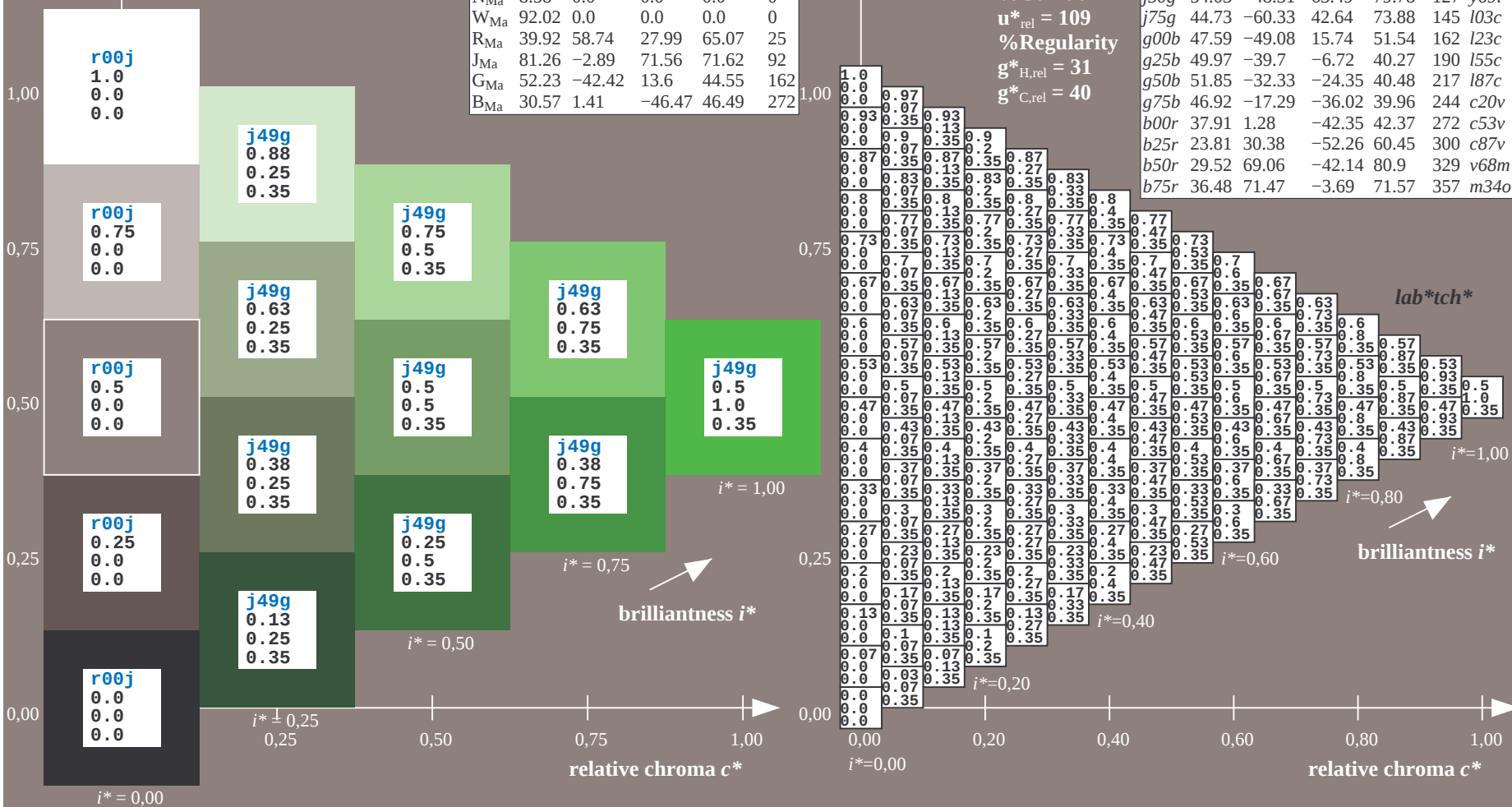
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81o</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	



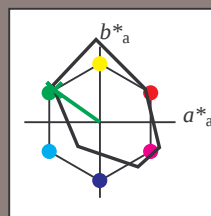
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.402$ data for any colour:

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

Hue texts:

$$u^*_e = j75g \quad u^*_d = l03c$$

contrast reduction factor:

$$c_D = 1.0$$
triangle lightness t^* 

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*Ma: 45 -60 43

*LAB*LCH**_{Ma}: 45 74 144

*lab*rgb*_M_a*: 0.25 1.0 0.0

*lab*olv**Ma: 0.0 1.0 0.03

triangle lightness t^*

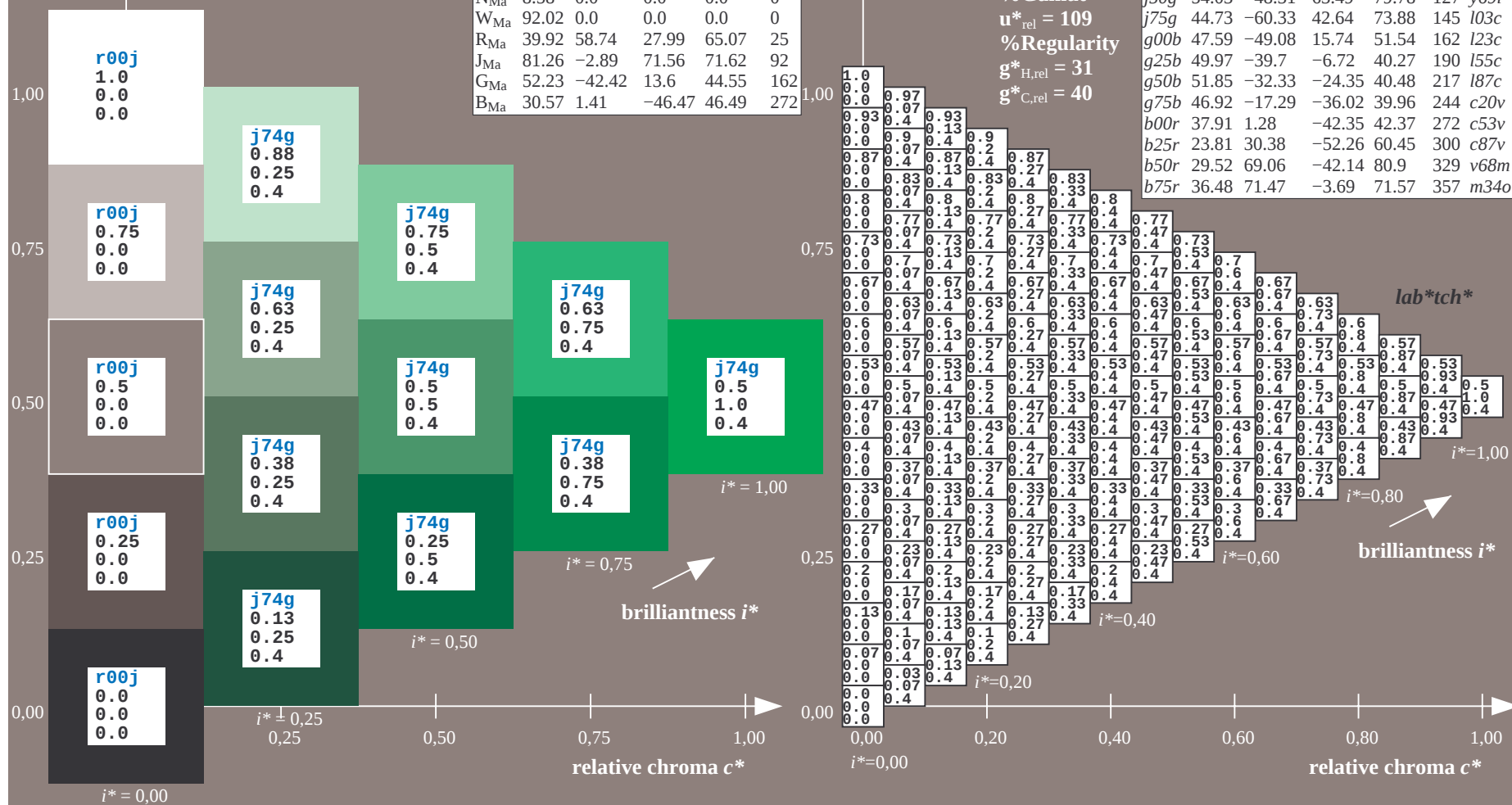
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

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

FRS09_92a; adapted (a) CIELAB data							
u_e	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d	
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81o</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	

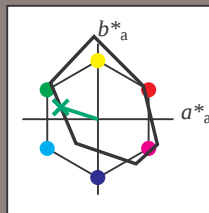


BAM-test chart Ee36; Colorimetric systems, Page 117/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmv0* setcmvcolor
```

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

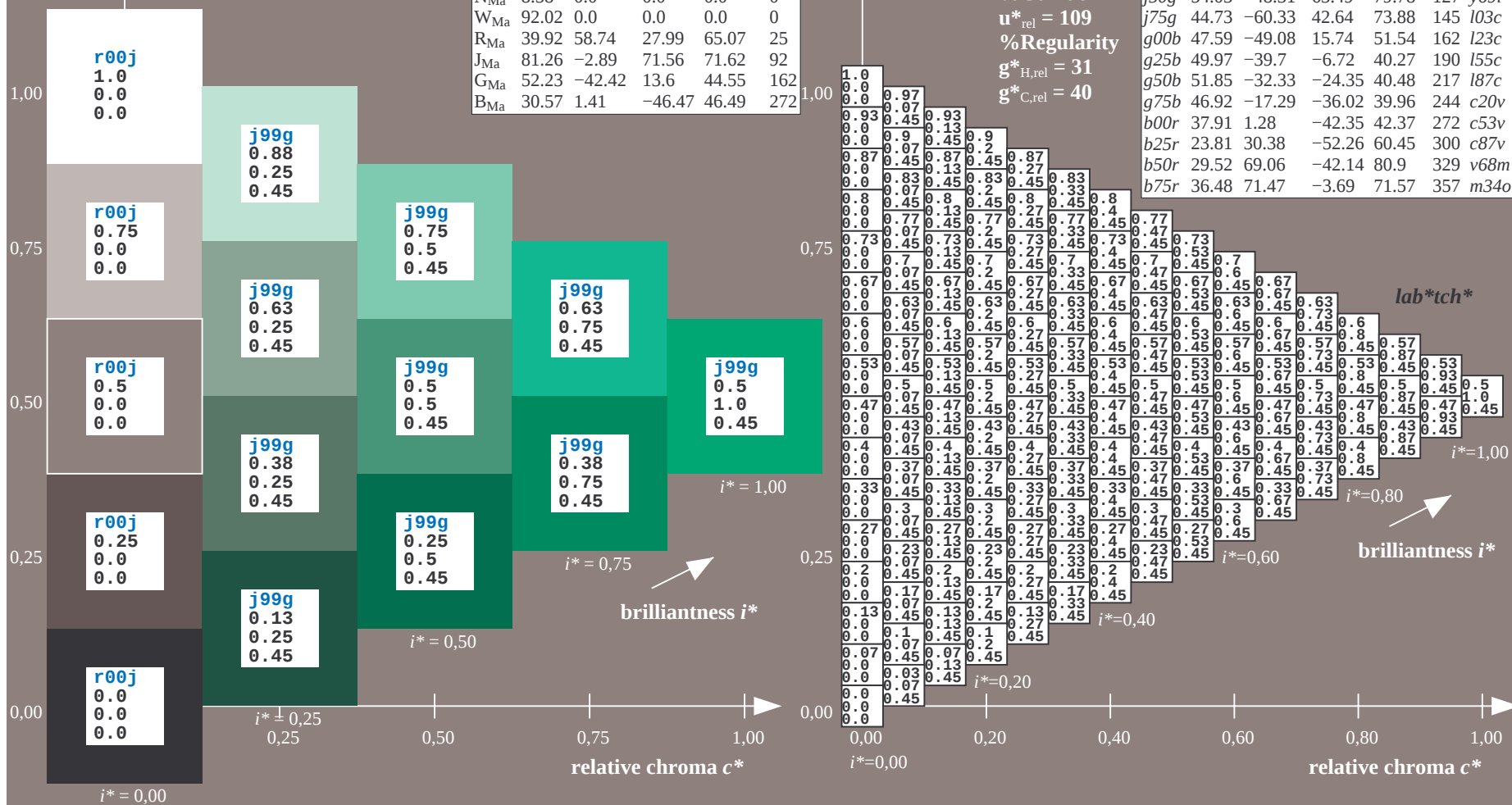
% Regularity

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

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

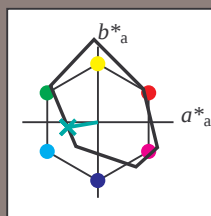
FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.38	108.53	108.62	92
j25g	66.73	-29.89	83.06	88.28	110
j50g	54.03	-48.31	63.49	79.78	127
j75g	44.73	-60.33	42.64	73.88	145
g00b	47.59	-49.08	15.74	51.54	162
g25b	49.97	-39.7	-6.72	40.27	190
g50b	51.85	-32.33	-24.35	40.48	217
g75b	46.92	-17.29	-36.02	39.96	244
b00r	37.91	1.28	-42.35	42.37	272
b25r	23.81	30.38	-52.26	60.45	300
b50r	29.52	69.06	-42.14	80.9	329
b75r	36.48	71.47	-3.69	71.57	357

$u^*_e = g00b$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

% Gamut

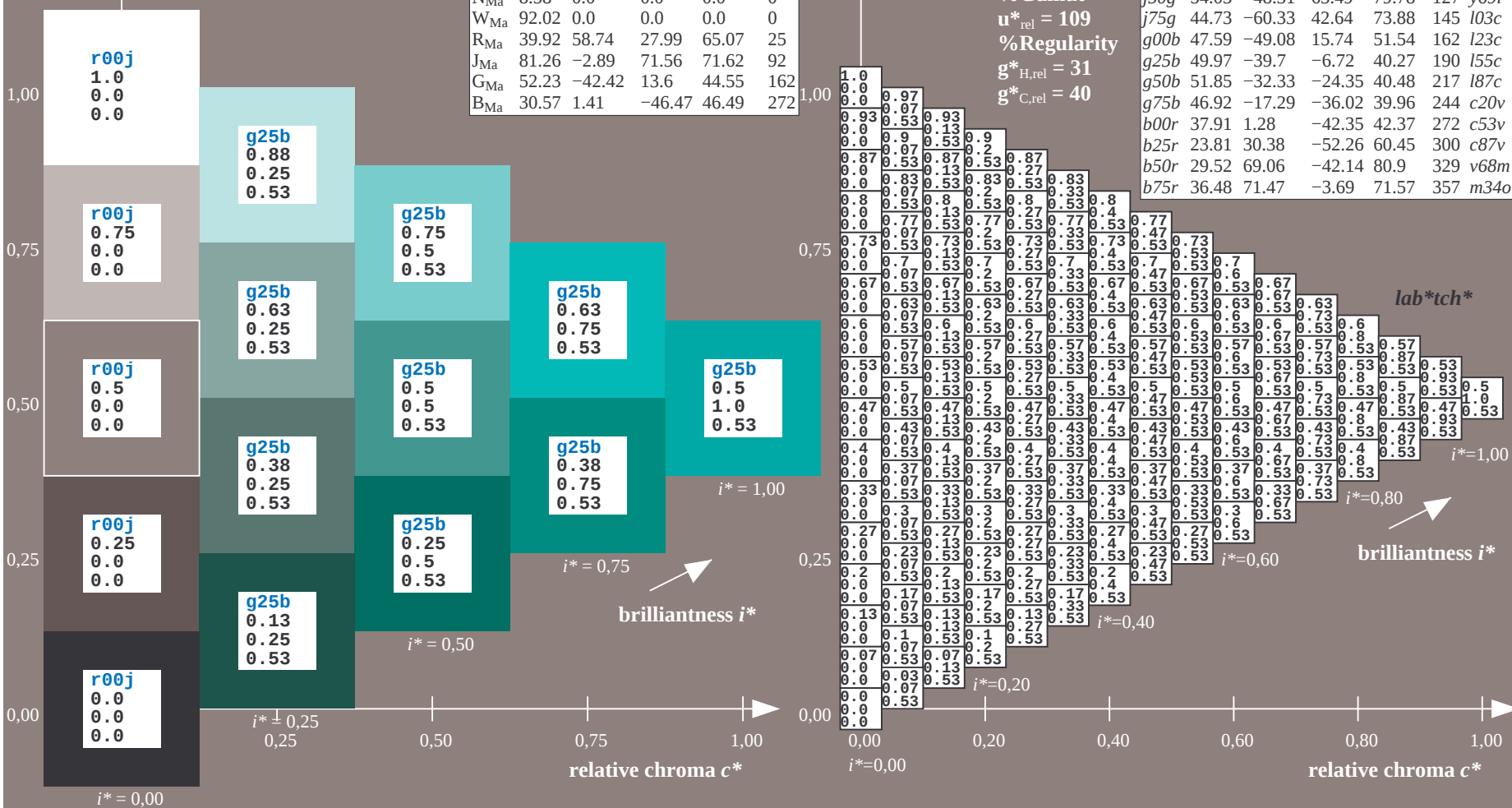
$u_{rel}^* = 109$

% Regularity

$g_{H,rel}^* = 31$

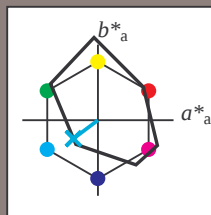
$g_{C,rel}^* = 40$

FRS09_92a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.38	108.53	108.62	92
j25g	66.73	-29.89	83.06	88.28	110
j50g	54.03	-48.31	63.49	79.78	127
j75g	44.73	-60.33	42.64	73.88	145
g00b	47.59	-49.08	15.74	51.54	162
g25b	49.97	-39.7	-6.72	40.27	190
g50b	51.85	-32.33	-24.35	40.48	217
g75b	46.92	-17.29	-36.02	39.96	244
b00r	37.91	1.28	-42.35	42.37	272
b25r	23.81	30.38	-52.26	60.45	300
b50r	29.52	69.06	-42.14	80.9	329
b75r	36.48	71.47	-3.69	71.57	357



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 52 -32 -24

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

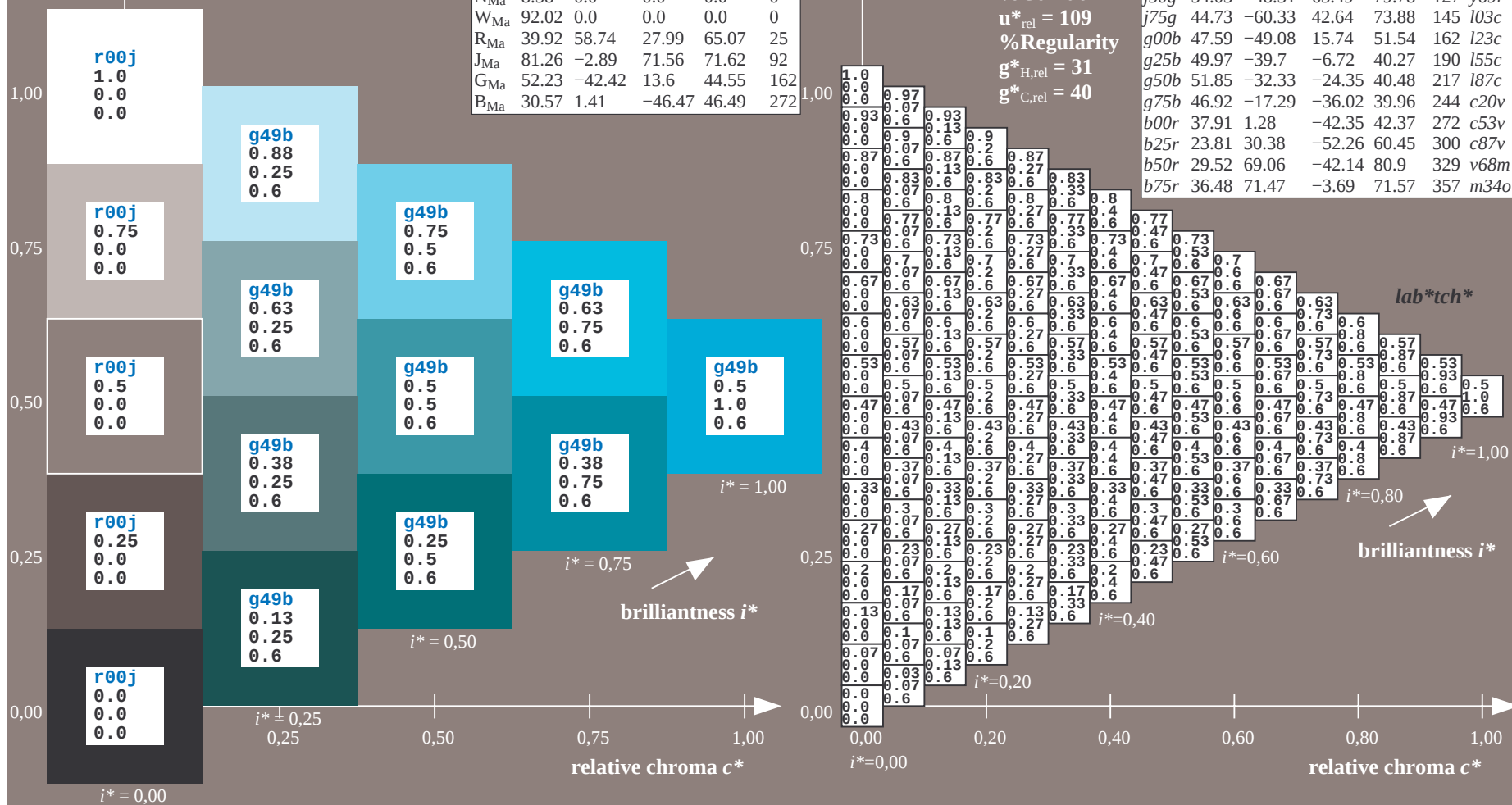
%Regularity

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

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

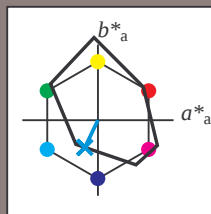
FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25
r25j	39.12	54.56	49.45	73.64	42
r50j	50.64	39.15	64.89	75.79	59
r75j	64.01	21.26	82.83	85.52	76
j00g	83.18	-4.38	108.53	108.62	92
j25g	66.73	-29.89	83.06	88.28	110
j50g	54.03	-48.31	63.49	79.78	127
j75g	44.73	-60.33	42.64	73.88	145
g00b	47.59	-49.08	15.74	51.54	162
g25b	49.97	-39.7	-6.72	40.27	190
g50b	51.85	-32.33	-24.35	40.48	217
g75b	46.92	-17.29	-36.02	39.96	244
b00r	37.91	1.28	-42.35	42.37	272
b25r	23.81	30.38	-52.26	60.45	300
b50r	29.52	69.06	-42.14	80.9	329
b75r	36.48	71.47	-3.69	71.57	357

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

% Gamut

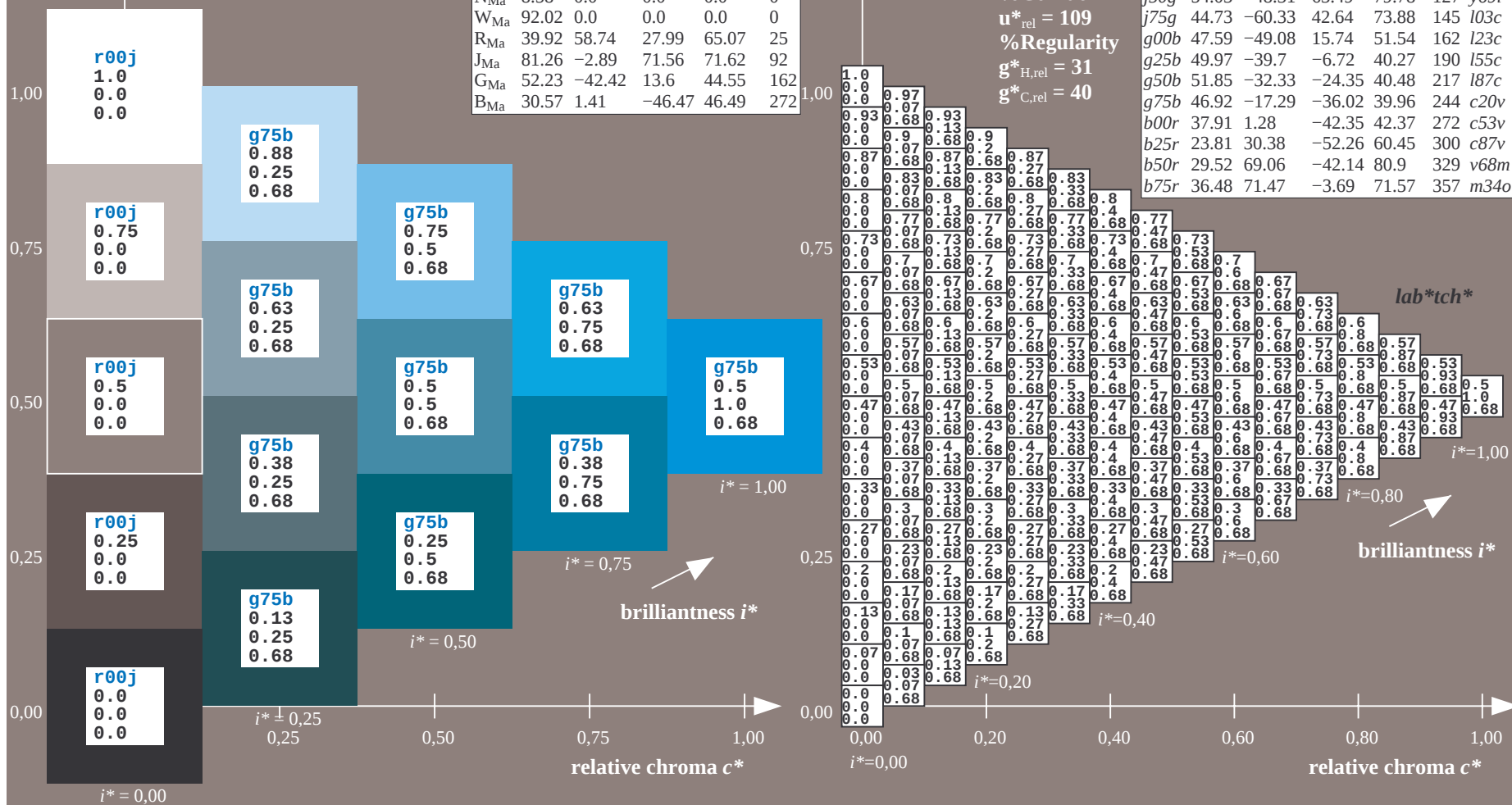
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81o</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

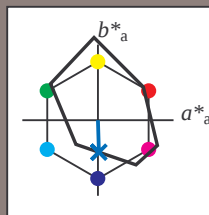
Hue texts:

$u_e^* = b00r$ $u_d^* = c53v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

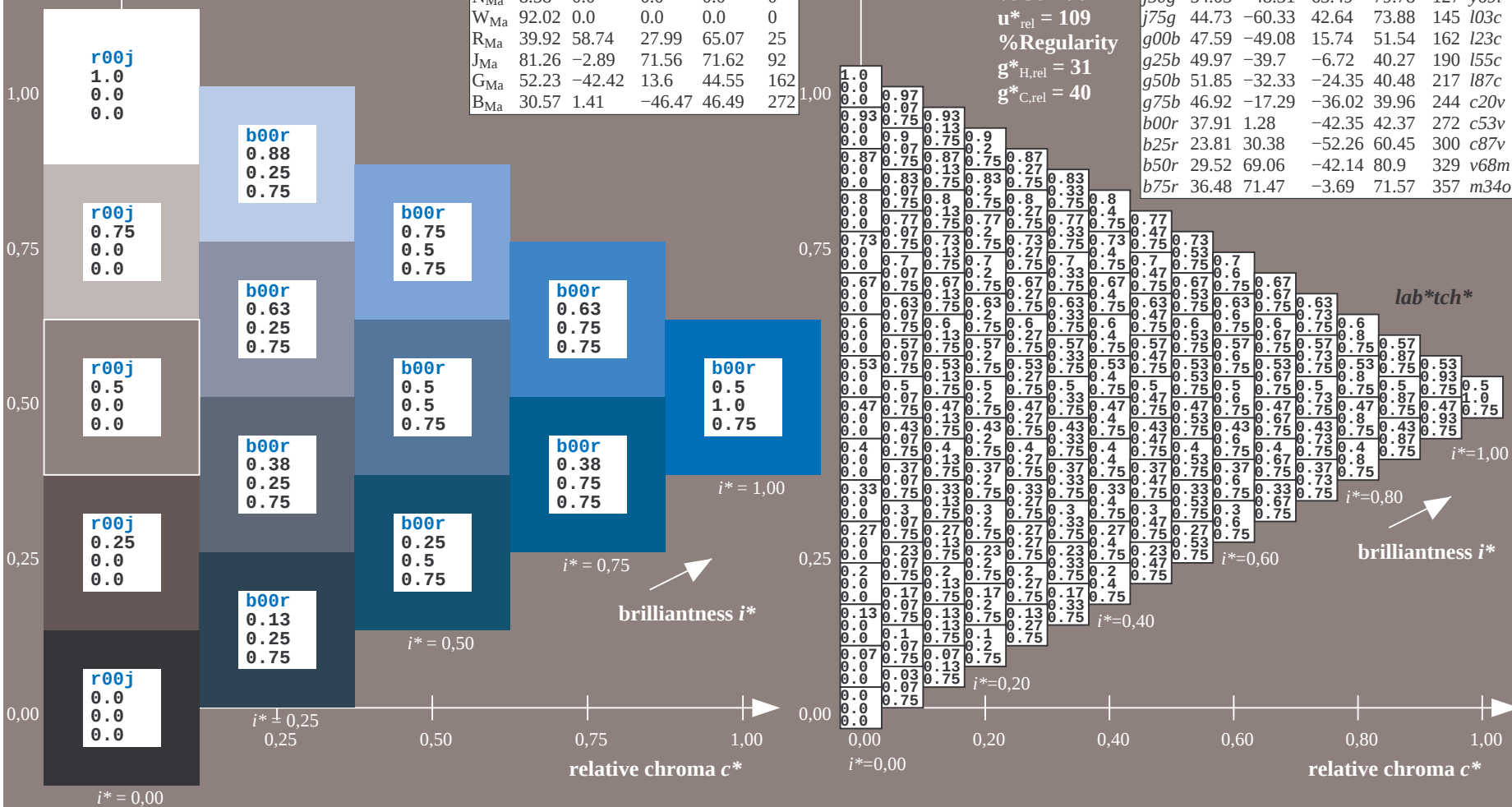
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

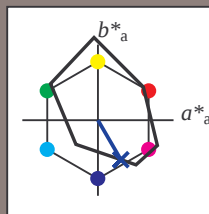
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

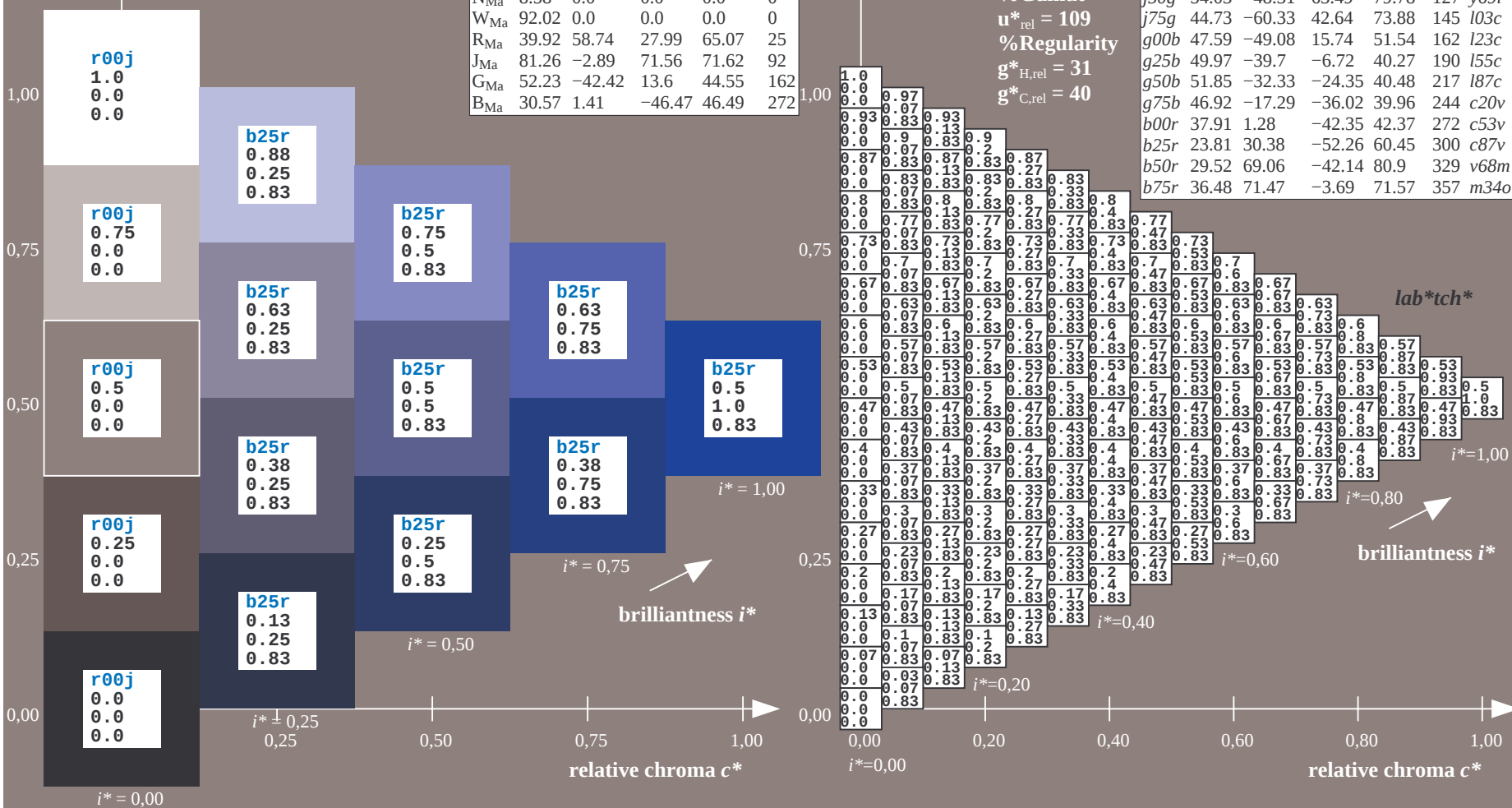
$u^*_{rel} = 109$

%Regularity

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

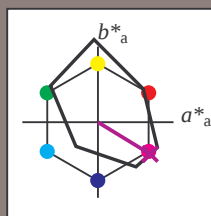
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81o</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v68m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

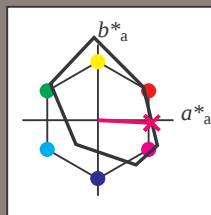
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

% Gamut

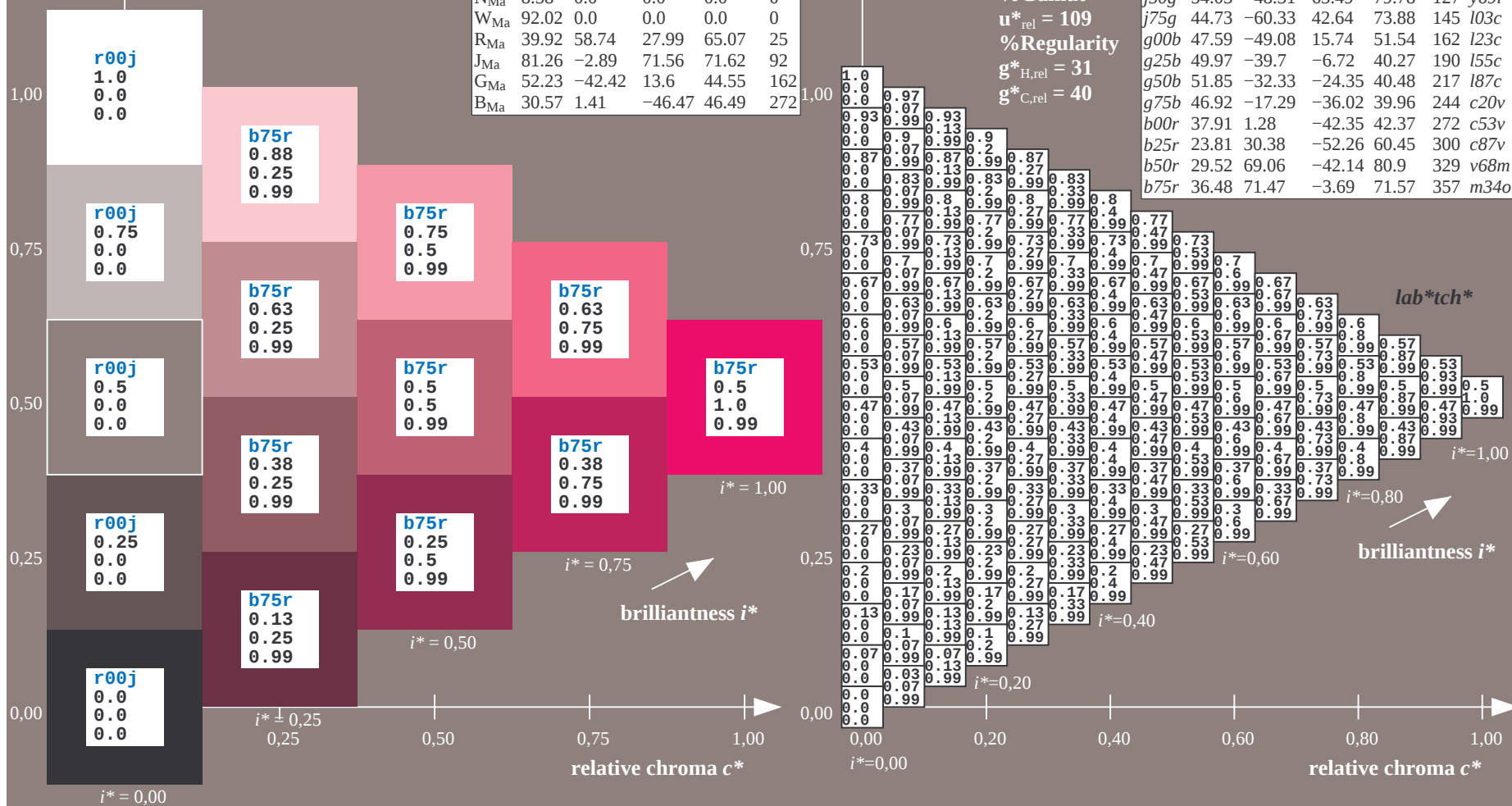
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

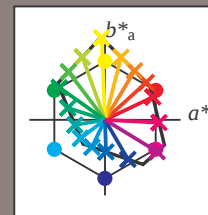
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab* <i>tch*</i>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.81	0.88	0.94	1.0	1.06	1.13	1.19	1.25	1.31	1.38	1.44	1.5	1.56	1.63	1.69	1.75	1.81	1.88	1.94	2.0	2.06	2.13	2.19	2.25	2.31	2.38	2.44	2.5	2.56	2.63	2.69	2.75	2.81	2.88	2.94	3.0	3.06	3.13	3.19	3.25	3.31	3.38	3.44	3.5	3.56	3.63	3.69	3.75	3.81	3.88	3.94	4.0	4.06	4.13	4.19	4.25	4.31	4.38	4.44	4.5	4.56	4.63	4.69	4.75	4.81	4.88	4.94	5.0	5.06	5.13	5.19	5.25	5.31	5.38	5.44	5.5	5.56	5.63	5.69	5.75	5.81	5.88	5.94	6.0	6.06	6.13	6.19	6.25	6.31	6.38	6.44	6.5	6.56	6.63	6.69	6.75	6.81	6.88	6.94	7.0	7.06	7.13	7.19	7.25	7.31	7.38	7.44	7.5	7.56	7.63	7.69	7.75	7.81	7.88	7.94	8.0	8.06	8.13	8.19	8.25	8.31	8.38	8.44	8.5	8.56	8.63	8.69	8.75	8.81	8.88	8.94	9.0	9.06	9.13	9.19	9.25	9.31	9.38	9.44	9.5	9.56	9.63	9.69	9.75	9.81	9.88	9.94	10.0	10.06	10.13	10.19	10.25	10.31	10.38	10.44	10.5	10.56	10.63	10.69	10.75	10.81	10.88	10.94	11.0	11.06	11.13	11.19	11.25	11.31	11.38	11.44	11.5	11.56	11.63	11.69	11.75	11.81	11.88	11.94	12.0	12.06	12.13	12.19	12.25	12.31	12.38	12.44	12.5	12.56	12.63	12.69	12.75	12.81	12.88	12.94	13.0	13.06	13.13	13.19	13.25	13.31	13.38	13.44	13.5	13.56	13.63	13.69	13.75	13.81	13.88	13.94	14.0	14.06	14.13	14.19	14.25	14.31	14.38	14.44	14.5	14.56	14.63	14.69	14.75	14.81	14.88	14.94	15.0	15.06	15.13	15.19	15.25	15.31	15.38	15.44	15.5	15.56	15.63	15.69	15.75	15.81	15.88	15.94	16.0	16.06	16.13	16.19	16.25	16.31	16.38	16.44	16.5	16.56	16.63	16.69	16.75	16.81	16.88	16.94	17.0	17.06	17.13	17.19	17.25	17.31	17.38	17.44	17.5	17.56	17.63	17.69	17.75	17.81	17.88	17.94	18.0	18.06	18.13	18.19	18.25	18.31	18.38	18.44	18.5	18.56	18.63	18.69	18.75	18.81	18.88	18.94	19.0	19.06	19.13	19.19	19.25	19.31	19.38	19.44	19.5	19.56	19.63	19.69	19.75	19.81	19.88	19.94	20.0	20.06	20.13	20.19	20.25	20.31	20.38	20.44	20.5	20.56	20.63	20.69	20.75	20.81	20.88	20.94	21.0	21.06	21.13	21.19	21.25	21.31	21.38	21.44	21.5	21.56	21.63	21.69	21.75	21.81	21.88	21.94	22.0	22.06	22.13	22.19	22.25	22.31	22.38	22.44	22.5	22.56	22.63	22.69	22.75	22.81	22.88	22.94	23.0	23.06	23.13	23.19	23.25	23.31	23.38	23.44	23.5	23.56	23.63	23.69	23.75	23.81	23.88	23.94	24.0	24.06	24.13	24.19	24.25	24.31	24.38	24.44	24.5	24.56	24.63	24.69	24.75	24.81	24.88	24.94	25.0	25.06	25.13	25.19	25.25	25.31	25.38	25.44	25.5	25.56	25.63	25.69	25.75	25.81	25.88	25.94	26.0	26.06	26.13	26.19	26.25	26.31	26.38	26.44	26.5	26.56	26.63	26.69	26.75	26.81	26.88	26.94	27.0	27.06	27.13	27.19	27.25	27.31	27.38	27.44	27.5	27.56	27.63	27.69	27.75	27.81	27.88	27.94	28.0	28.06	28.13	28.19	28.25	28.31	28.38	28.44	28.5	28.56	28.63	28.69	28.75	28.81	28.88	28.94	29.0	29.06	29.13	29.19	29.25	29.31	29.38	29.44	29.5	29.56	29.63	29.69	29.75	29.81	29.88	29.94	30.0	30.06	30.13	30.19	30.25	30.31	30.38	30.44	30.5	30.56	30.63	30.69	30.75	30.81	30.88	30.94	31.0	31.06	31.13	31.19	31.25	31.31	31.38	31.44	31.5	31.56	31.63	31.69	31.75	31.81	31.88	31.94	32.0	32.06	32.13	32.19	32.25	32.31	32.38	32.44	32.5	32.56	32.63	32.69	32.75	32.81	32.88	32.94	33.0	33.06	33.13	33.19	33.25	33.31	33.38	33.44	33.5	33.56	33.63	33.69	33.75	33.81	33.88	33.94	34.0	34.06	34.13	34.19	34.25	34.31	34.38	34.44	34.5	34.56	34.63	34.69	34.75	34.81	34.88	34.94	35.0	35.06	35.13	35.19	35.25	35.31	35.38	35.44	35.5	35.56	35.63	35.69	35.75	35.81	35.88	35.94	36.0	36.06	36.13	36.19	36.25	36.31	36.38	36.44	36.5	36.56	36.63	36.69	36.75	36.81	36.88	36.94	37.0	37.06	37.13	37.19	37.25	37.31	37.38	37.44	37.5	37.56	37.63	37.69	37.75	37.81	37.88	37.94	38.0	38.06	38.13	38.19	38.25	38.31	38.38	38.44	38.5	38.56	38.63	38.69	38.75	38.81	38.88	38.94	39.0	39.06	39.13	39.19	39.25	39.31	39.38	39.44	39.5	39.56	39.63	39.69	39.75	39.81	39.88	39.94	40.0	40.06	40.13	40.19	40.25	40.31	40.38	40.44	40.5	40.56	40.63	40.69	40.75	40.81	40.88	40.94	41.0	41.06	41.13	41.19	41.25	41.31	41.38	41.44	41.5	41.56	41.63	41.69	41.75	41.81	41.88	41.94	42.0	42.06	42.13	42.19	42.25	42.31	42.38	42.44	42.5	42.56	42.63	42.69	42.75	42.81	42.88	42.94	43.0	43.06	43.13	43.19	43.25	43.31	43.38	43.44	43.5	43.56	43.63	43.69	43.75	43.81	43.88	43.94	44.0	44.06	44.13	44.19	44.25	44.31	44.38	44.44	44.5	44.56	44.63	44.69	44.75	44.81	44.88	44.94	45.0	45.06	45.13	45.19	45.25	45.31	45.38	45.44	45.5	45.56	45.63	45.69	45.75	45.81	45.88	45.94	46.0	46.06	46.13	46.19	46.25	46.31	46.38	46.44	46.5	46.56	46.63	46.69	46.75	46.81	46.88	46.94	47.0	47.06	47.13	47.19	47.25	47.31	47.38	47.44	47.5	47.56	47.63	47.69	47.75	47.81	47.88	47.94	48.0	48.06	48.13	48.19	48.25	48.31	48.38	48.44	48.5	48.56	48.63	48.69	48.75	48.81	48.88	48.94	49.0	49.06	49.13	49.19	49.25	49.31	49.38	49.44	49.5	49.56	49.63	49.69	49.75	49.81	49.88	49.94	50.0	50.06	50.13	50.19	50.25	50.31	50.38	50.44	50.5	50.56	50.63	50.69	50.75	50.81	50.88	50.94	51.0	51.06	51.13	51.19	51.25	51.31	51.38	51.44	51.5	51.56	51.63	51.69	51.75	51.81	51.88	51.94	52.0	52.06	52.13	52.19	52.25	52.31	52.38	52.44	52.5	52.56	52.63	52.69	52.75	52.81	52.88	52.94	53.0	53.06	53.13	53.19	53.25	53.31	53.38	53.44	53.5	53.56	53.63	53.69	53.75	53.81	53.88	53.94	54.0	54.06	54.13	54.19	54.25	54.31	54.38	54.44	54.5	54.56	54.63	54.69	54.75	54.81	54.88	54.94	55.0	55.06	55.13	55.19	55.25	55.31	55.38	55.44	55.5	55.56	55.63	55.69	55.75	55.81	55.88	55.94	56.0	56.06	56.13	56.19	56.25	56.31	56.38	56.44	56.5	56.56	56.63	56.69	56.75	56.81	56.88	56.94	57.0	57.06	57.13	57.19	57.25	57.31	57.38	57.44	57.5	57.56	57.63	57.69	57.75	57.81	57.88	57.94	58.0	58.06	58.13	58.19	58.25	58.31	58.38	58.44	58.5	58.56	58.63	58.69	58.75	58.81	58.88	58.94	59.0	59.06	59.13	59.19	59.25	59.31	59.38	59.44	59.5	59.56	59.63	59.69	59.75	59.81	59.88	59.94	60.0	60.06	60.13	60.19	60.25	60.31	60.38	60.44	60.5	60.56	60.63	60.69	60.75	60.81	60.88	60.94	61.0	61.06	61.13	61.19	61.25	61.31	61.38	61.44	61.5	61.56	61.63	61.69	61.75	61.81	61.88	61.94	62.0	62.06	62.13	62.19	62.25	62.31	62.38	62.44	62.5	62.56	62.63	62.69	62.75	62.81	62.88	62.94	63.0	63.06	63.13	63.19	63.25	63.31	63.38	63.44	63.5	63.56	63.63	63.69	63.75	63.81	63.88	63.94	64.0	64.06	64.13	64.19	64.25	64.31	64.38	64.44	64.5	64.56	64.63	64.69	64.75	64.81	64.88	64.94	65.0	65.06	65.13	65.19	65.25	65.31	65.38	65.44	65.5	65.56	65.63	65.69	65.75	65.81	65.88	65.94	66.0	66.06	66.13	66.19	66.25	66.31	66.38	66.44	66.5	66.56	66.63	66.69	66.75	66.81	66.88	66.94	67.0	67.06	67.13	67.19	67.25	67.31	67.38	67.44	67.5	67.56	67.63	67.69	67.75	67.81	67.88	67.94	68.0	68.06	68.13	68.19	68.25	68.31	68.38	68.44	68.5	68.56	68.63	68.69	68.75	68.81	68.88	68.94	69.0	69.06	69.13	69.19	69.25	69.31	69.38	69.44	69.5	69.56	69.63	69.69	69.75	69.81	69.88	69.94	70.0	70.06	70.13	70.19	70.25	70.31	70.38	70.44	70.5	70.56	70.63	70.69	70.75	70.81	70.88	70.94	71.0	71.06	71.13	71.19	71.25	71.31	71.38	71.44	71.5	71.56	71.63	71.69	71.75	71.81	71.88	71.94	72.0	72.06	72.13	72.19	72.25	72.31	72.38	72.44	72.5	72.56	72.63	72.69	72.75	72.81	72.88	72.94	73.0	73.06	73.13	73.19	73.25	73.31	73.38	73.44	73.5	73.56	73.63	73.69	73.75	73.81	73.88	73.94	74.0	74.06	74.13	74.19	74.25	74.31	74.38	74.44	74.5	74.56	74.63	74.69	74.75	74.81	74.88	74.94	75.0	75.06	75.13	75.19	75.25	75.31	75.38	75.44	75.5	75.56	75.63	75.69	75.75	75.81	75.88	75.94	76.0	76.06	76.13	76.19	76.25	76.31	76.38

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

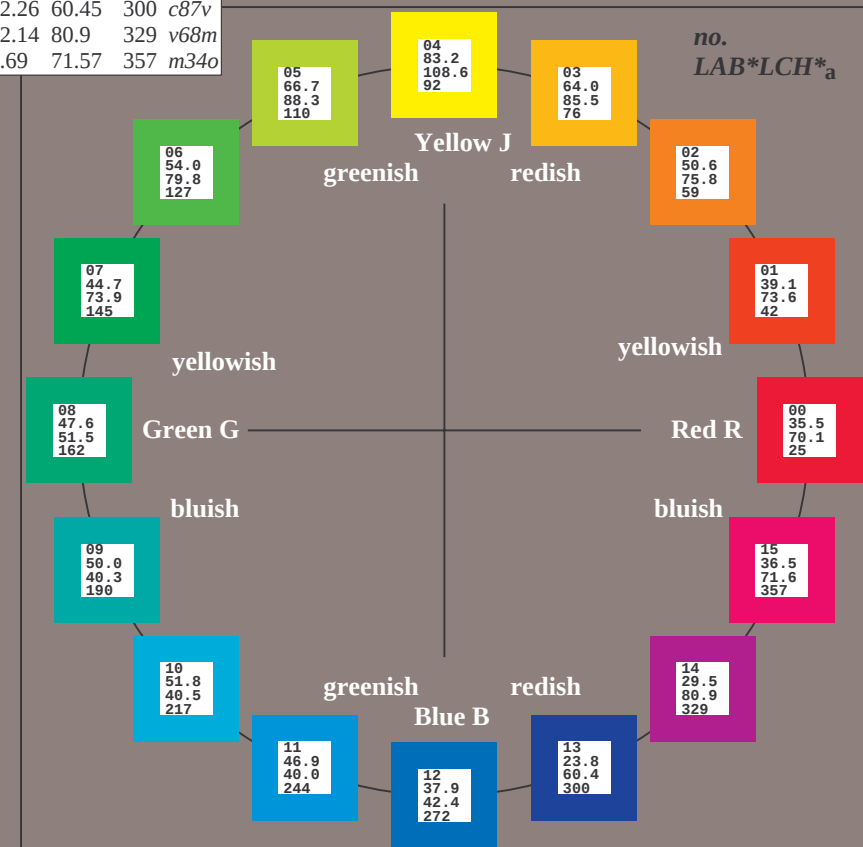
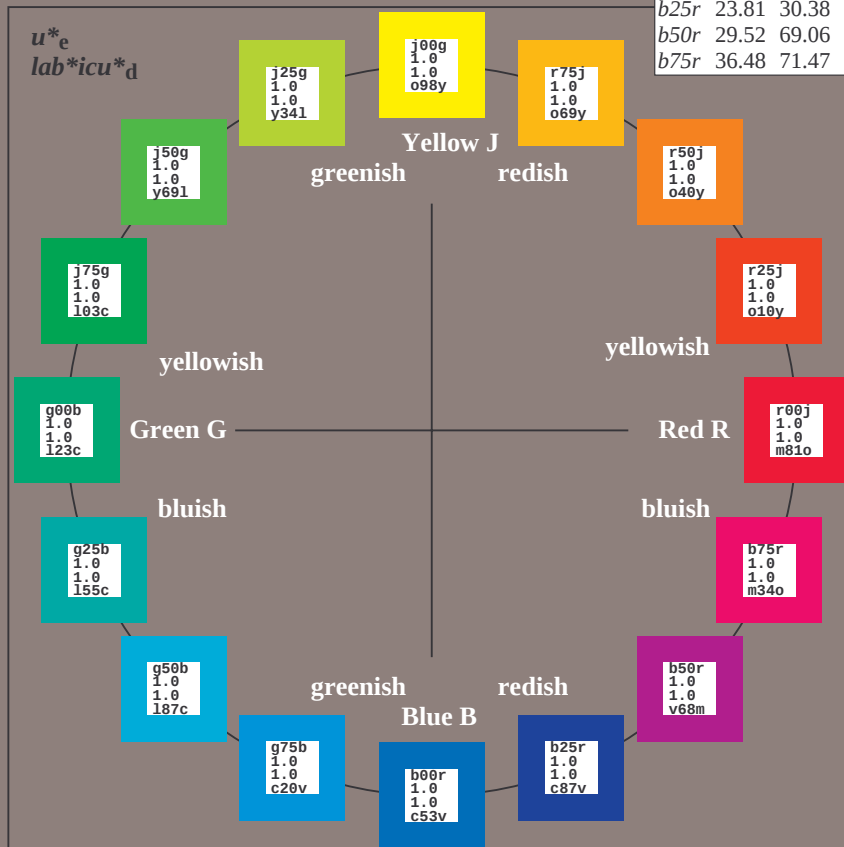
%Regularity

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

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

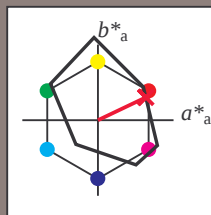
FRS09_92a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	35.06	60.0	44.0	74.4	36
Y_{Ma}	83.77	-5.17	109.32	109.44	93
L_{Ma}	44.13	-62.67	48.24	79.09	142
C_{Ma}	52.66	-29.14	-31.99	43.27	228
V_{Ma}	14.15	50.3	-59.04	77.57	310
M_{Ma}	37.37	78.64	-33.5	85.48	337
N_{Ma}	8.58	0.0	0.0	0.0	0
W_{Ma}	92.02	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	95
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

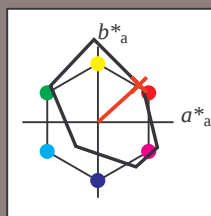
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 55 49

$LAB^*LCH^*_{Ma}$: 39 74 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.11 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

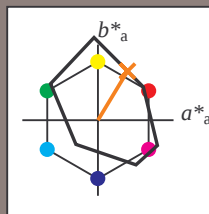
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

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

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 51 39 65

$LAB^*LCH^*_{Ma}$: 51 76 58

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

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

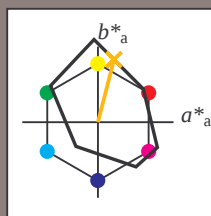
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

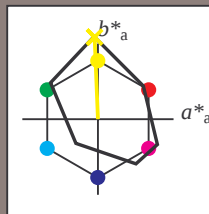
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

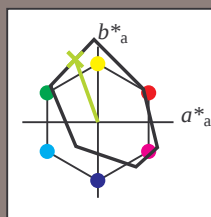
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

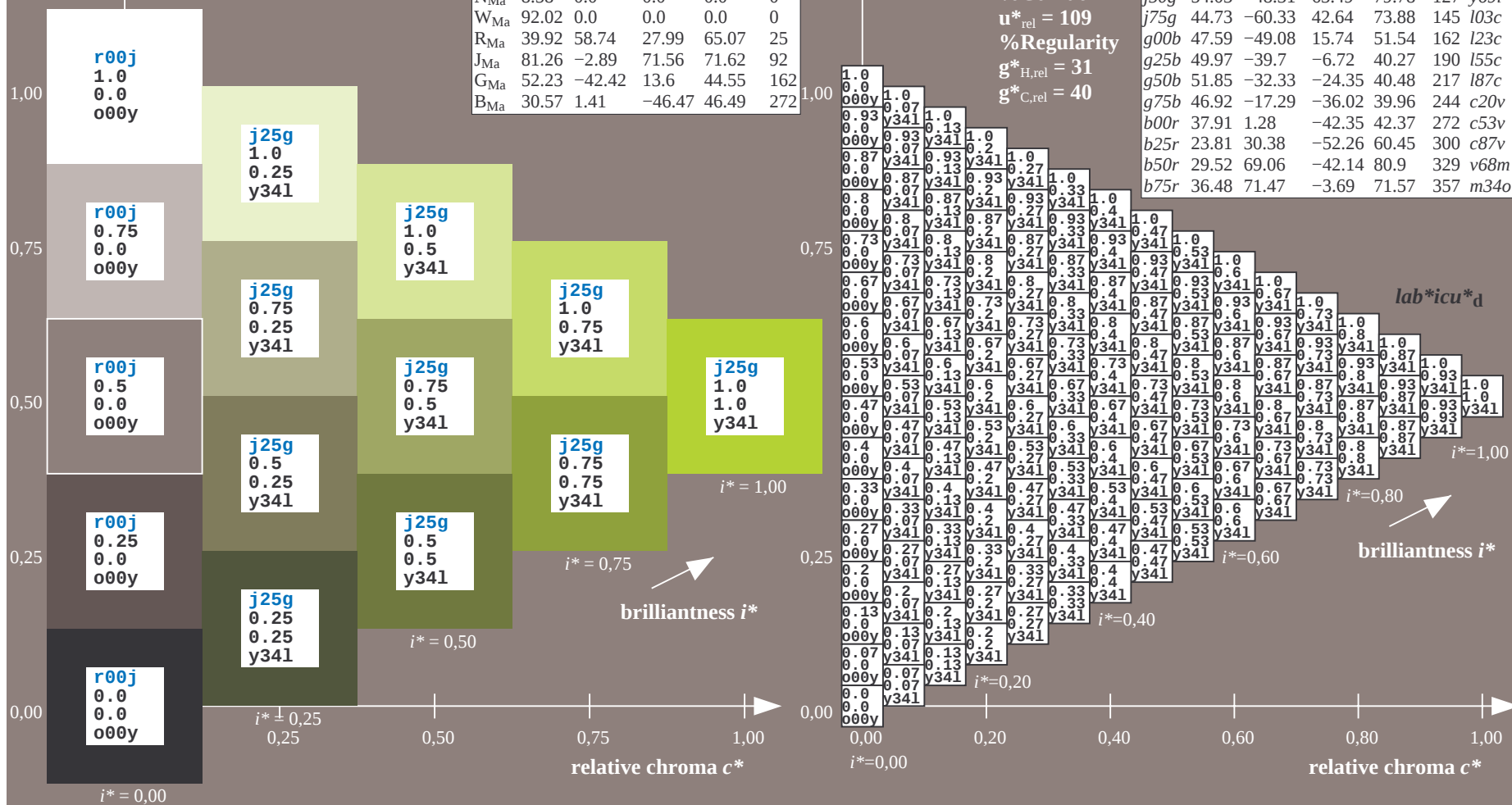
$u^*_{rel} = 109$

%Regularity

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

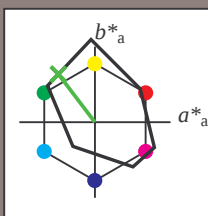
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

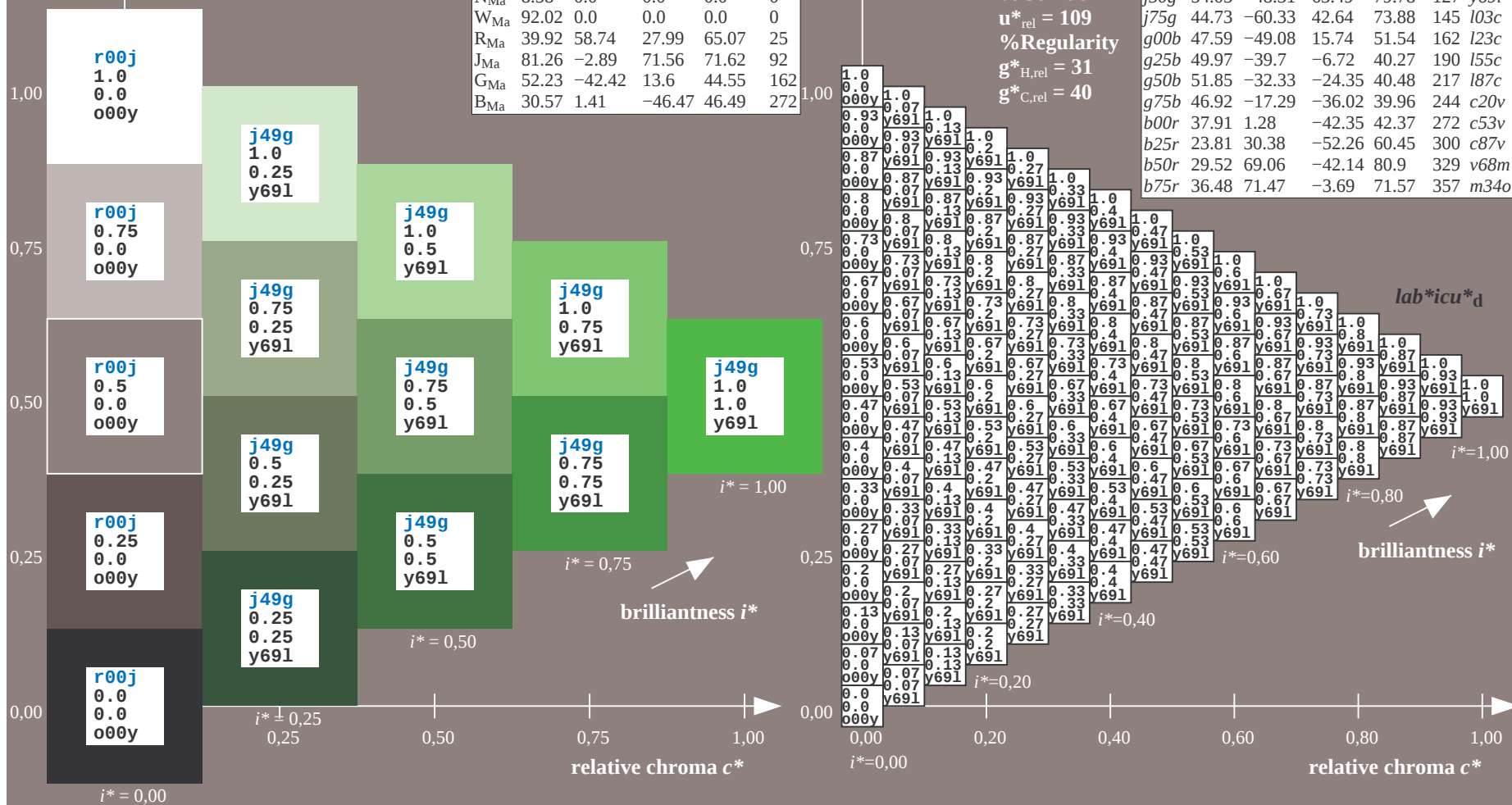
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

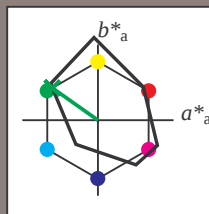
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

%Gamut

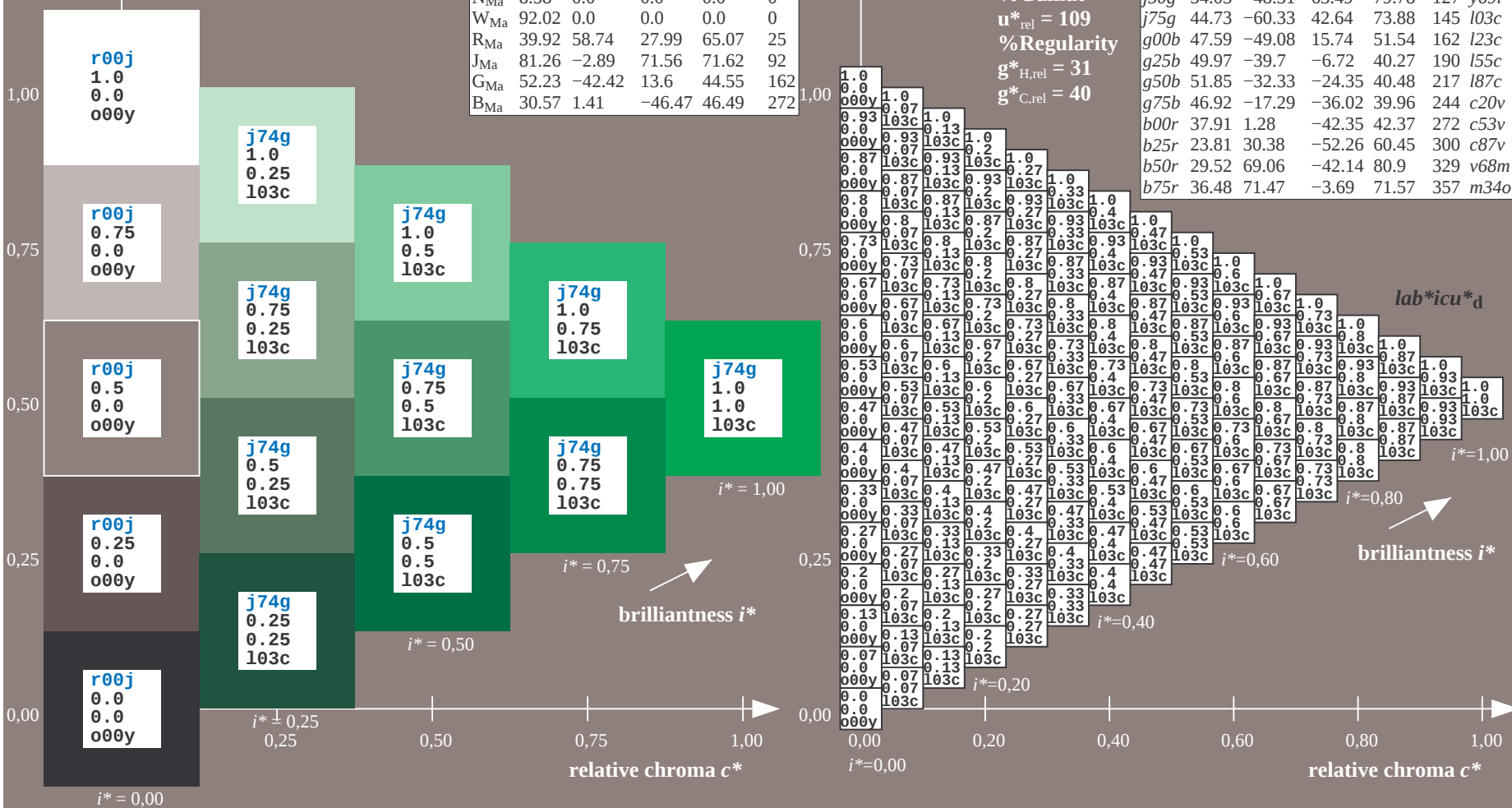
$u^*_{rel} = 109$

%Regularity

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

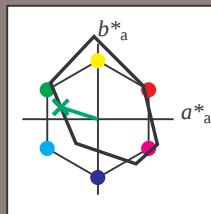
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

%Gamut

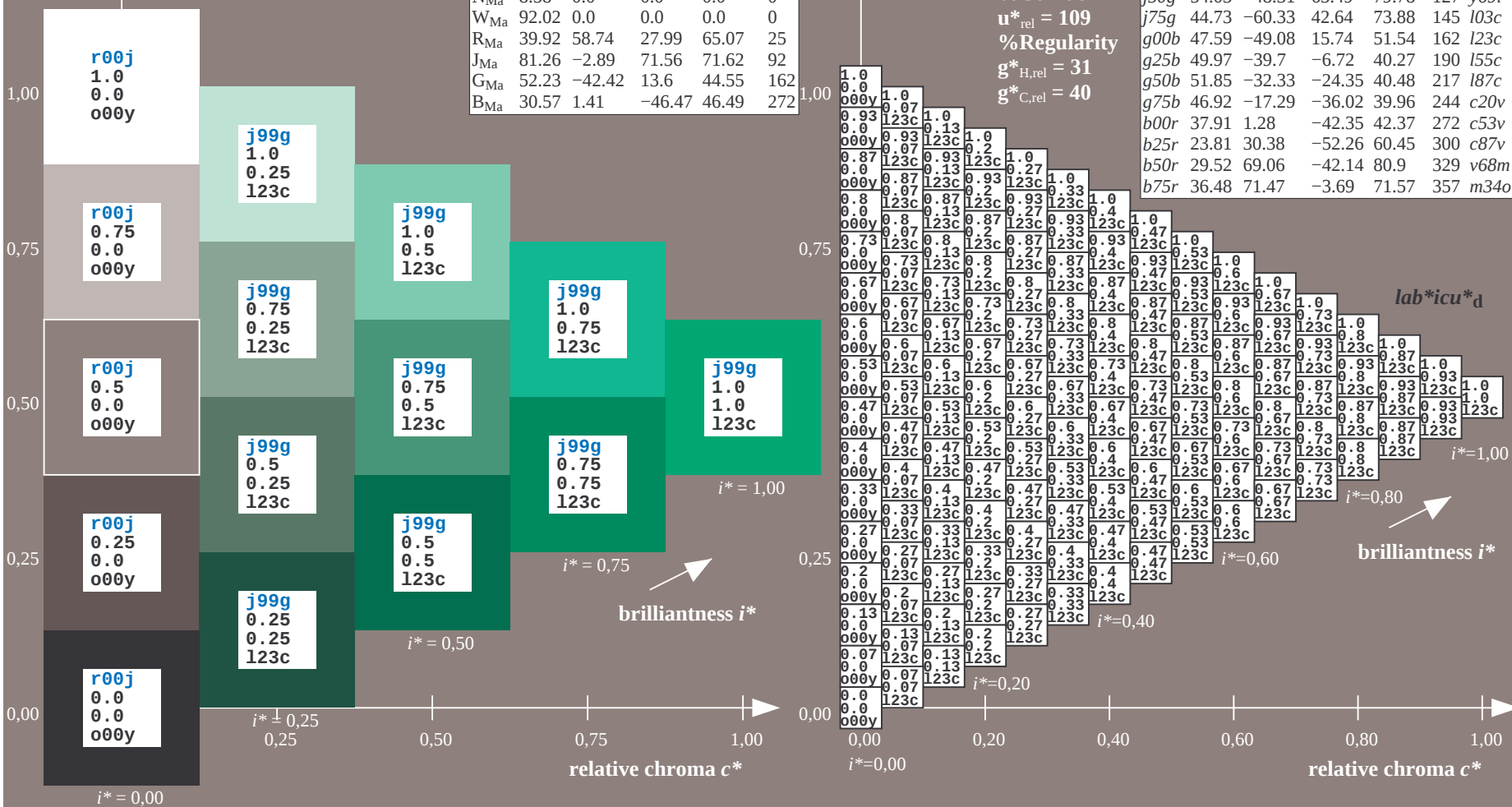
$u^*_{rel} = 109$

%Regularity

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

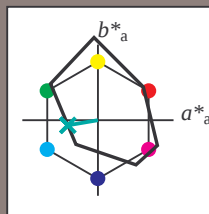
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

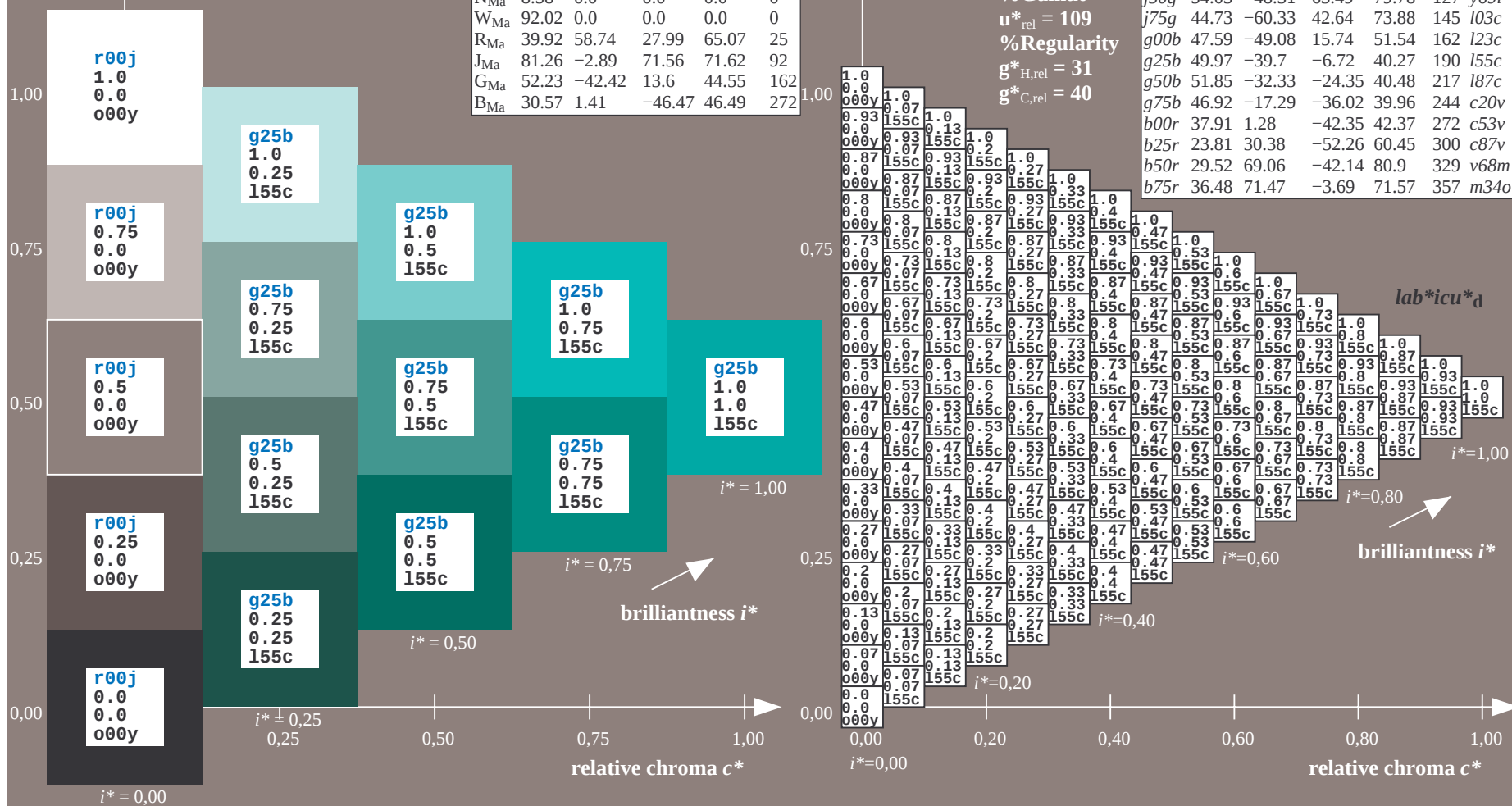
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



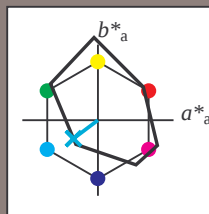
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.603$ data for any colour:

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

Hue texts:

$$u^*_e = 950b \quad u^*_d = 187c$$

contrast reduction factor:

 $c_D = 1.0$ triangle lightness t^* 

FRS09_92a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0		44.0	74.4	36
Y _{Ma}	83.77	-5.17		109.32	109.44	93
L _{Ma}	44.13	-62.67		48.24	79.09	142
C _{Ma}	52.66	-29.14		-31.99	43.27	228
V _{Ma}	14.15	50.3		-59.04	77.57	310
M _{Ma}	37.37	78.64		-33.5	85.48	337
N _{Ma}	8.58	0.0		0.0	0.0	0
W _{Ma}	92.02	0.0		0.0	0.0	0
R _{Ma}	39.92	58.74		27.99	65.07	25
J _{Ma}	81.26	-2.89		71.56	71.62	92
G _{Ma}	52.23	-42.42		13.6	44.55	162
B _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*Ma: 52 -32 -24

LAB*LCH*M₃: 52 40 216

 $lab*rag*M_2: 0.0 \quad 1.0 \quad 1.0$

*lab*oly**_{M3}: 0.0 1.0 0.87

triangle lightness t^*

3 3 0

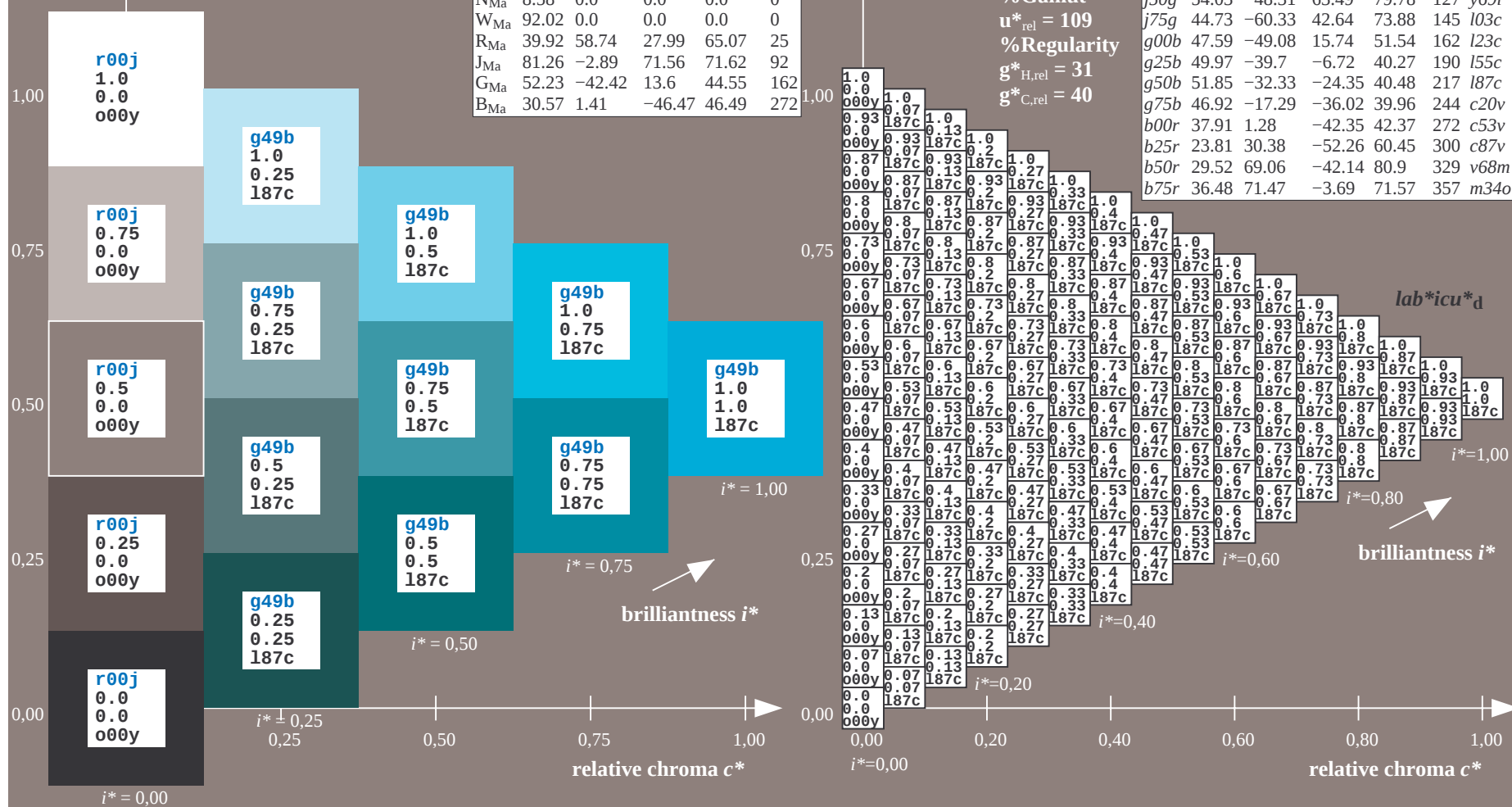
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regularity

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

FRS09_92a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81a</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34o</i>	

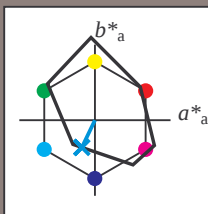


BAM-test chart Ee36; Colorimetric systems, Page 138/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmY0* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -17 -36

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$lab^*icu^*_d$

$i^* = 1.00$

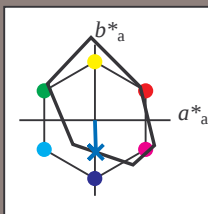
brilliantness i^*

$i^* = 0.80$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

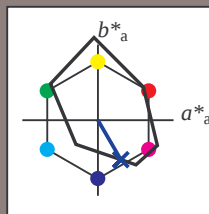
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	35.06	60.0	44.0	74.4	36
Y _{Ma}	83.77	-5.17	109.32	109.44	93
L _{Ma}	44.13	-62.67	48.24	79.09	142
C _{Ma}	52.66	-29.14	-31.99	43.27	228
V _{Ma}	14.15	50.3	-59.04	77.57	310
M _{Ma}	37.37	78.64	-33.5	85.48	337
N _{Ma}	8.58	0.0	0.0	0.0	0
W _{Ma}	92.02	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

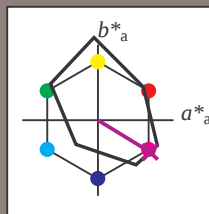
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

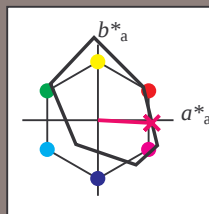
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

% Gamut

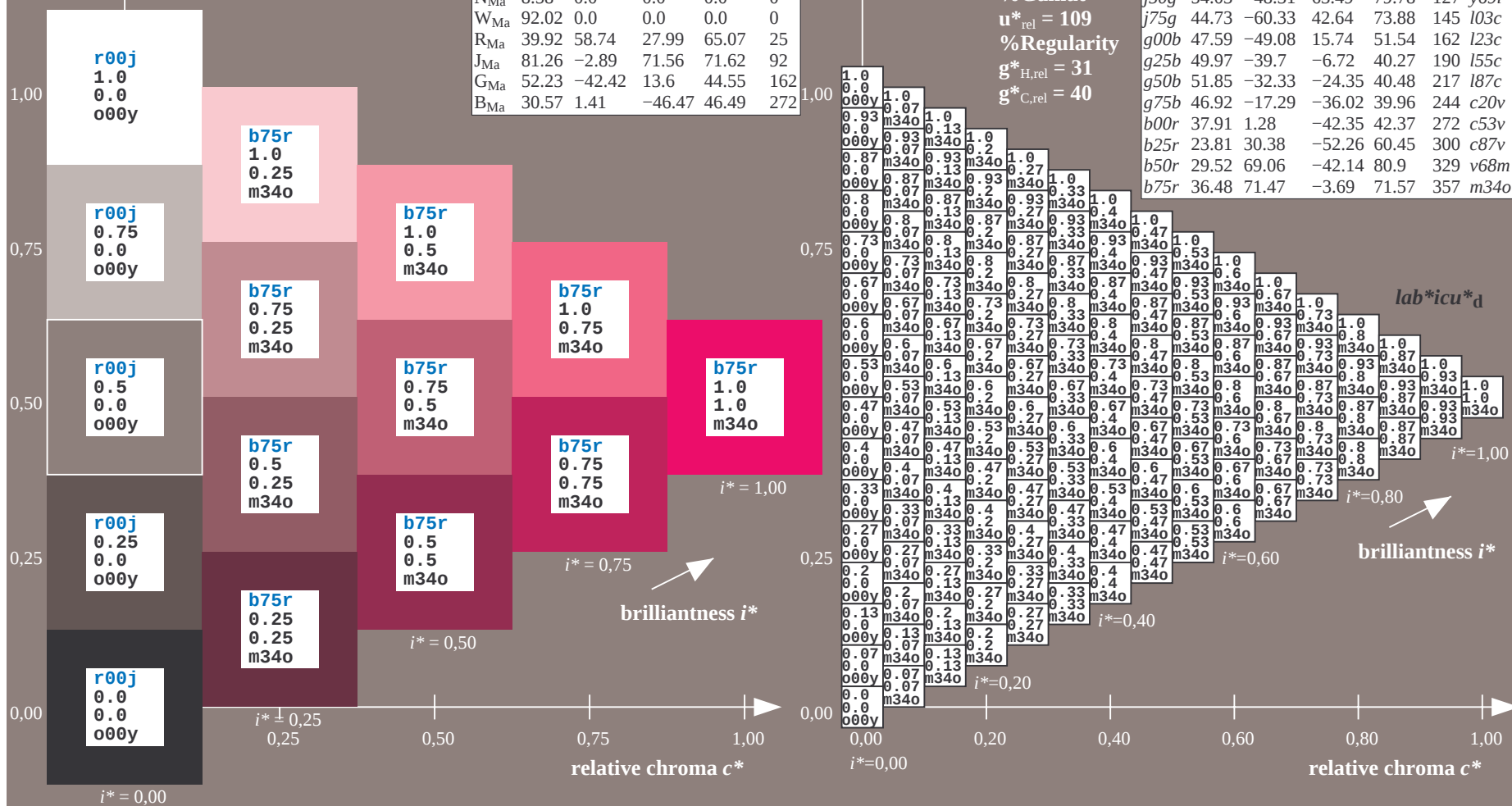
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	l03c
g00b	47.59	-49.08	15.74	51.54	162	l23c
g25b	49.97	-39.7	-6.72	40.27	190	l55c
g50b	51.85	-32.33	-24.35	40.48	217	l87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

	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*icu*d			
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	0.25	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	1.0	0.0	0.0	0.0	0.0		
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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.13	0.13	0.13	0.13
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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.25	0.25	0.25	0.25	
0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	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	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.25	0.25	0.25	0.25	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.38	0.38	0.38	0.38	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.38	0.38	0.38	0.38	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.38	0.38	0.38	0.38	
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	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
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	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
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	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
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	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	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	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																					

BAM registration: 20081001-Ee36/10L/L36E00NP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input and output:

Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15

elementary hue text:

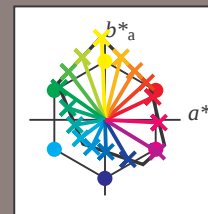
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

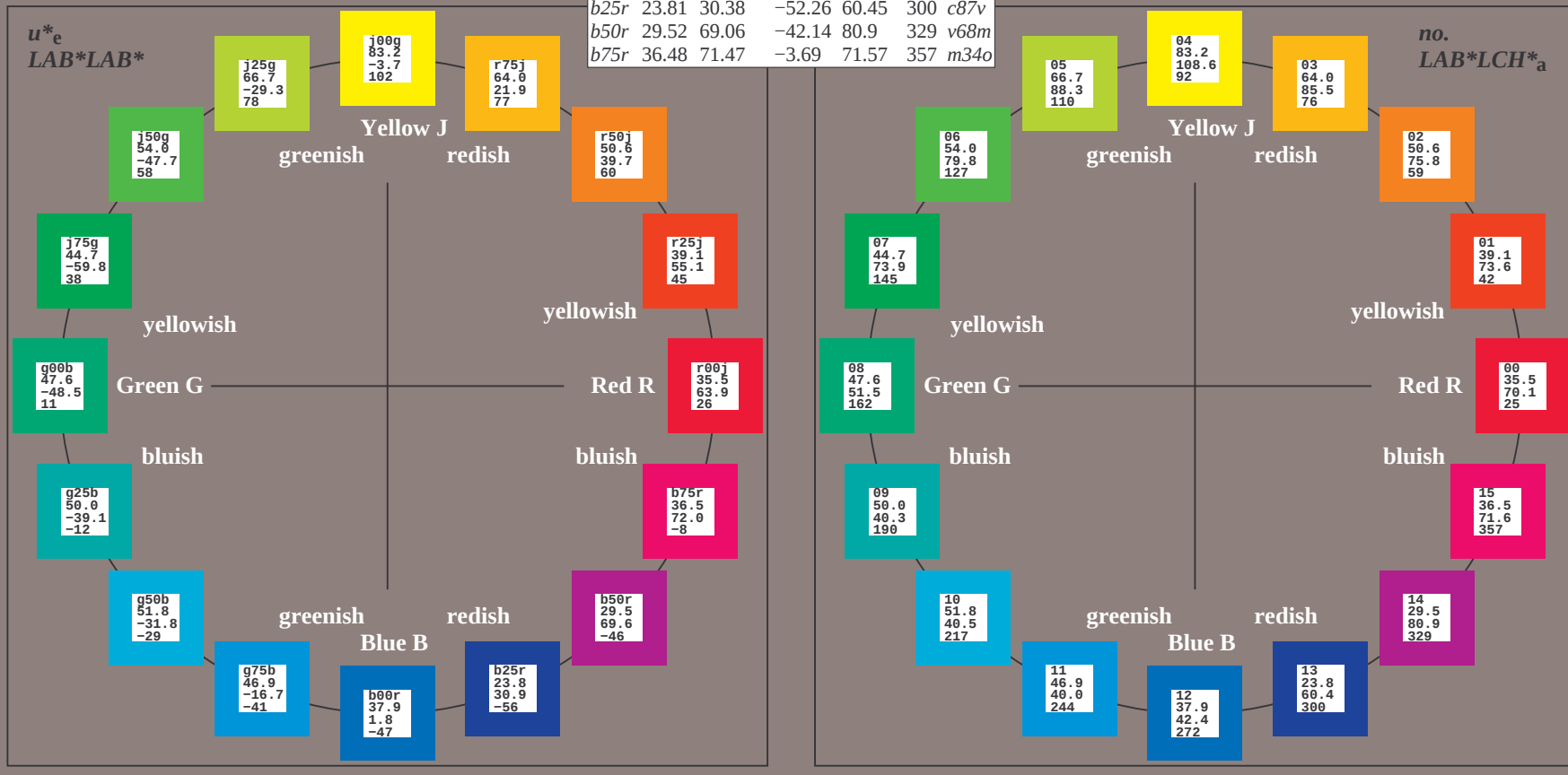
%Regularity

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

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

FRS09_92; CIELAB data

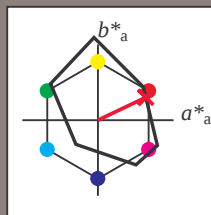
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33
Y_M	83.77	-4.5	103.15	103.25	92
L_M	44.13	-62.11	43.56	75.86	145
C_M	52.66	-28.56	-36.99	46.73	232
V_M	14.15	50.78	-62.6	80.61	309
M_M	37.37	79.18	-37.93	87.8	334
N_M	8.58	0.46	-3.35	3.38	278
W_M	92.02	0.69	-6.48	6.52	276
R_{CIE}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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 35 63 30

LAB^*LCH^*Ma : 35 70 25

lab^*rgb^*Ma : 1.0 0.0 0.0

lab^*olv^*Ma : 1.0 0.0 0.18

triangle lightness t^*

%Gamut

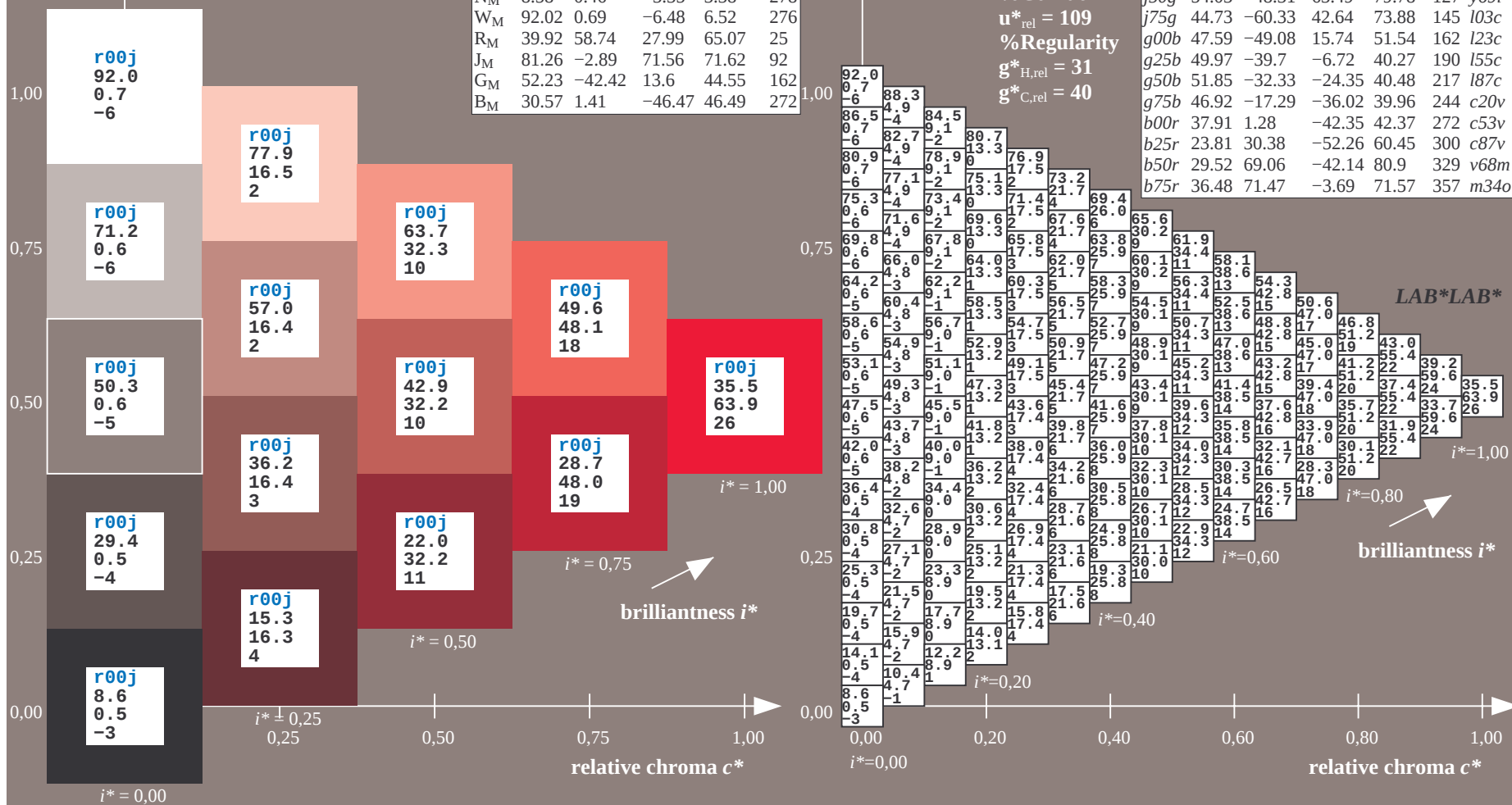
$u^*_{rel} = 109$

%Regularity

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

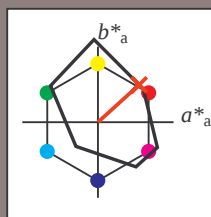
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 39 55 49

LAB^*LCH^*Ma : 39 74 42

lab^*rgb^*Ma : 1.0 0.25 0.0

lab^*olv^*Ma : 1.0 0.11 0.0

triangle lightness t^*

%Gamut

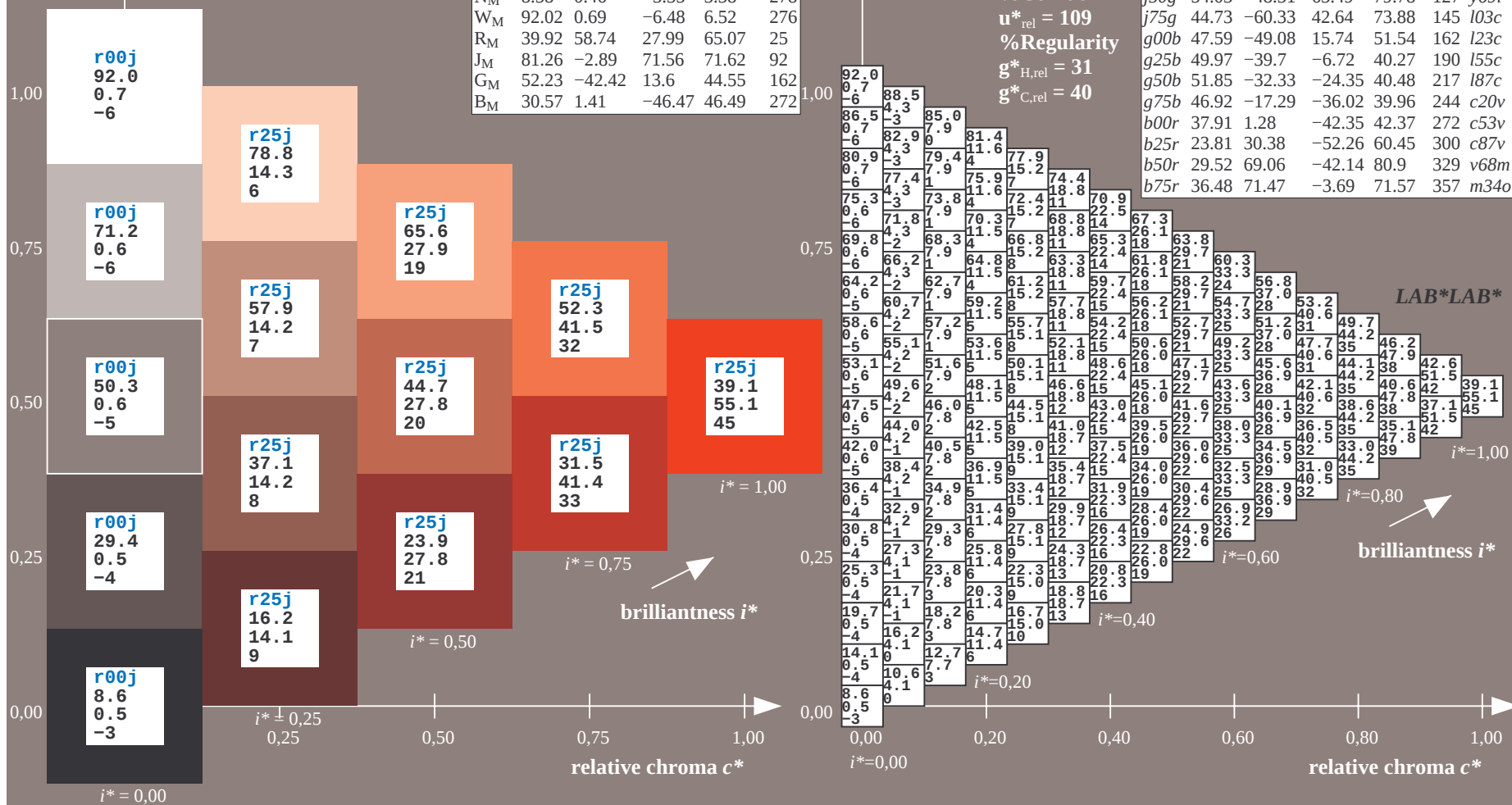
$u^*_{rel} = 109$

%Regularity

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

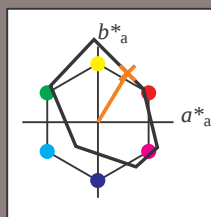
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 51 39 65

LAB^*LCH^*Ma : 51 76 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

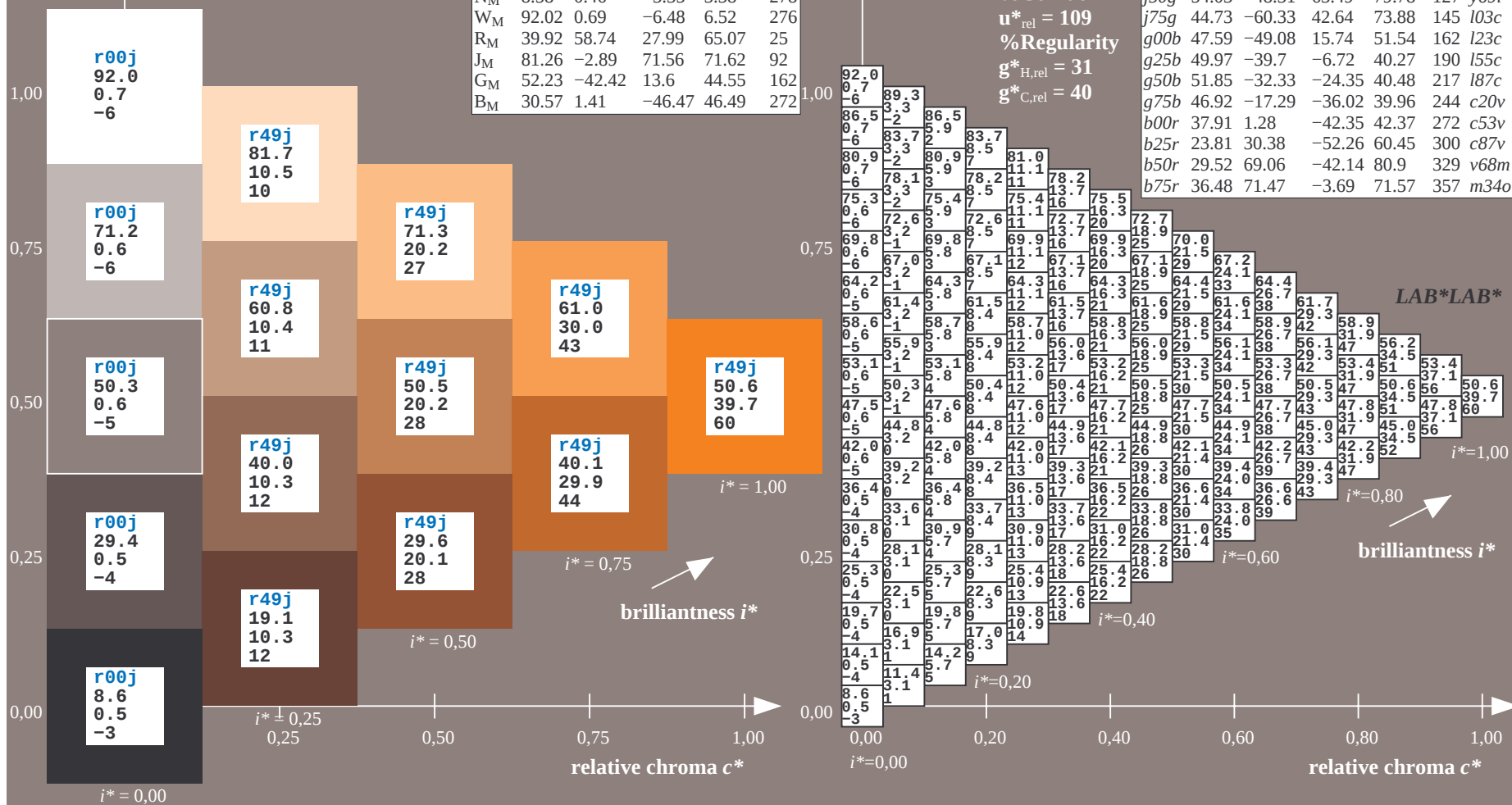
$u^*_{rel} = 109$

%Regularity

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

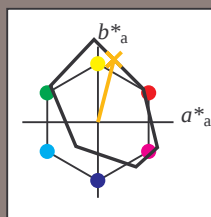
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
r00j	35.47	63.32	30.17	70.15	25		m81o		
r25j	39.12	54.56	49.45	73.64	42		o10y		
r50j	50.64	39.15	64.89	75.79	59		o40y		
r75j	64.01	21.26	82.83	85.52	76		o69y		
j00g	83.18	-4.38	108.53	108.62	92		o98y		
j25g	66.73	-29.89	83.06	88.28	110		y34l		
j50g	54.03	-48.31	63.49	79.78	127		y69l		
j75g	44.73	-60.33	42.64	73.88	145		i03c		
g00b	47.59	-49.08	15.74	51.54	162		i23c		
g25b	49.97	-39.7	-6.72	40.27	190		i55c		
g50b	51.85	-32.33	-24.35	40.48	217		i87c		
g75b	46.92	-17.29	-36.02	39.96	244		c20v		
b00r	37.91	1.28	-42.35	42.37	272		c53v		
b25r	23.81	30.38	-52.26	60.45	300		c87v		
b50r	29.52	69.06	-42.14	80.9	329		v68m		
b75r	36.48	71.47	-3.69	71.57	357		m34o		



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 64 21 83

LAB^*LCH^*Ma : 64 86 75

lab^*rgb^*Ma : 1.0 0.75 0.0

lab^*olv^*Ma : 1.0 0.7 0.0

triangle lightness t^*

%Gamut

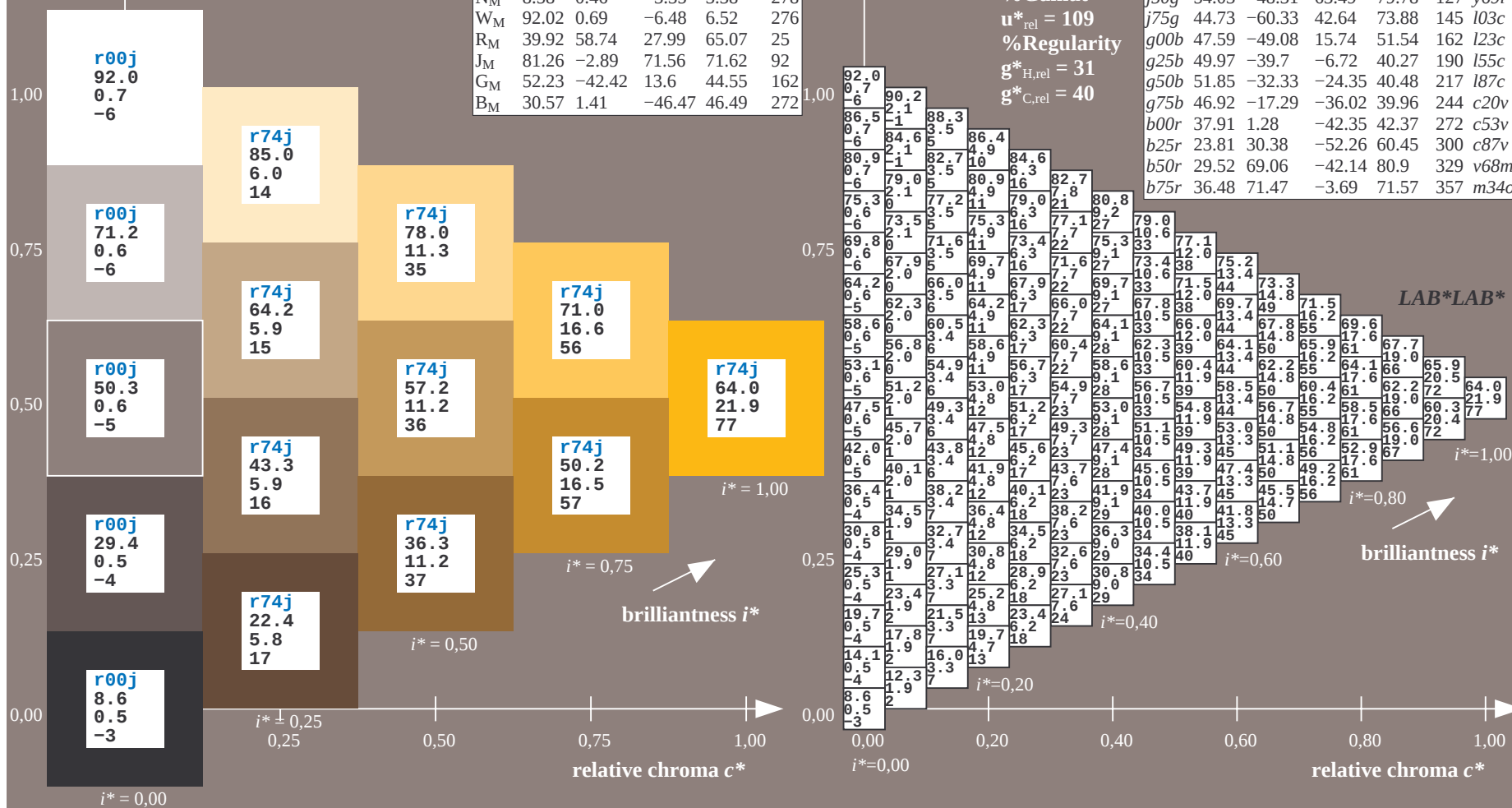
$u^*_{rel} = 109$

%Regularity

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

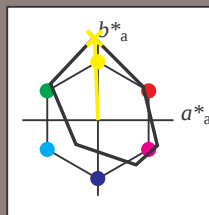
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
r00j	35.47	63.32	30.17	70.15	25		m81o		
r25j	39.12	54.56	49.45	73.64	42		o10y		
r50j	50.64	39.15	64.89	75.79	59		o40y		
r75j	64.01	21.26	82.83	85.52	76		o69y		
j00g	83.18	-4.38	108.53	108.62	92		o98y		
j25g	66.73	-29.89	83.06	88.28	110		y34l		
j50g	54.03	-48.31	63.49	79.78	127		y69l		
j75g	44.73	-60.33	42.64	73.88	145		i03c		
g00b	47.59	-49.08	15.74	51.54	162		i23c		
g25b	49.97	-39.7	-6.72	40.27	190		i55c		
g50b	51.85	-32.33	-24.35	40.48	217		i87c		
g75b	46.92	-17.29	-36.02	39.96	244		c20v		
b00r	37.91	1.28	-42.35	42.37	272		c53v		
b25r	23.81	30.38	-52.26	60.45	300		c87v		
b50r	29.52	69.06	-42.14	80.9	329		v68m		
b75r	36.48	71.47	-3.69	71.57	357		m34o		



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 83 -4 109$

$LAB^*LCH^*Ma: 83 109 92$

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

$lab^*olv^*Ma: 1.0 0.99 0.0$

triangle lightness t^*

%Gamut

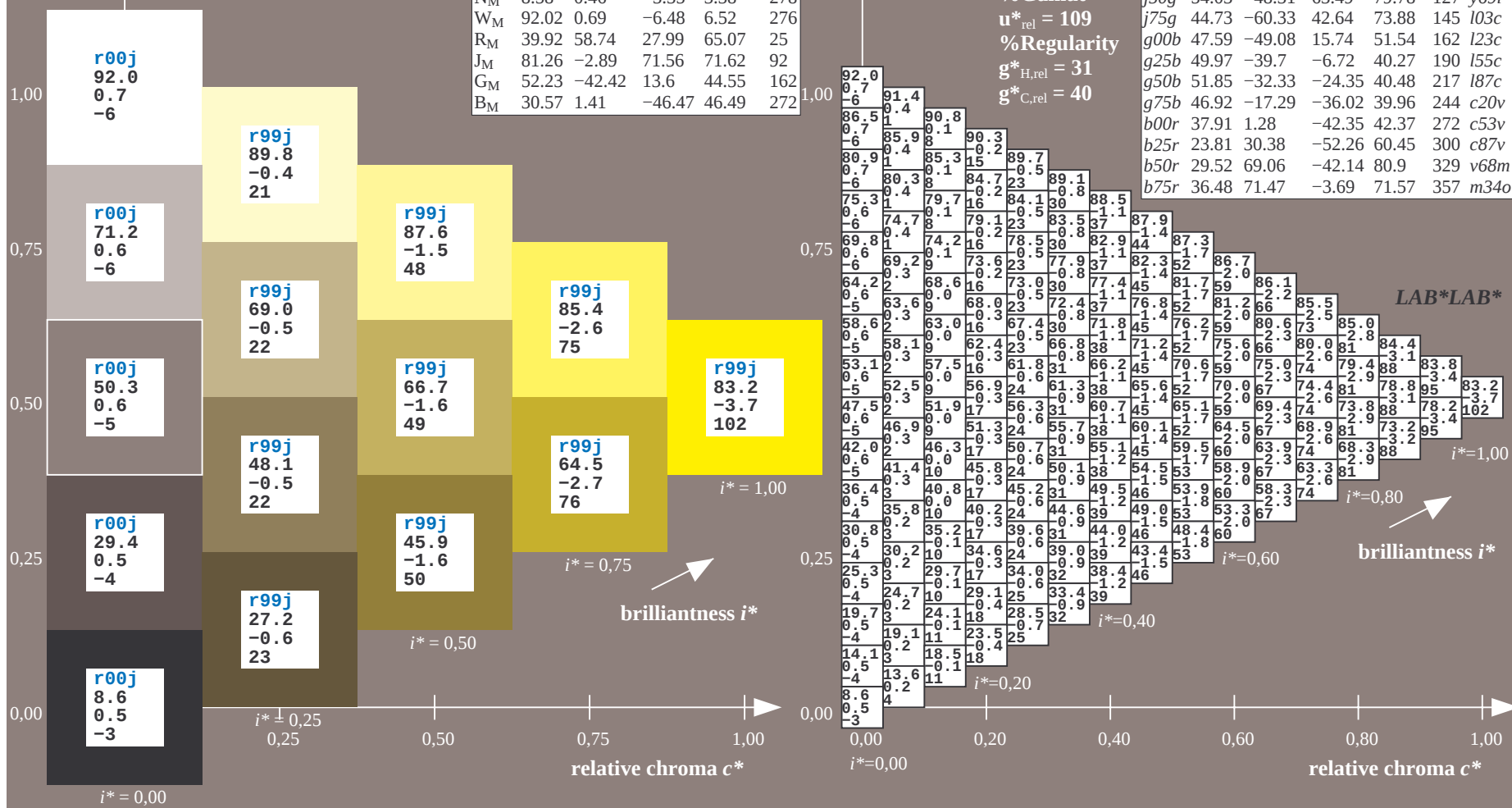
$u^*_{rel} = 109$

%Regularity

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

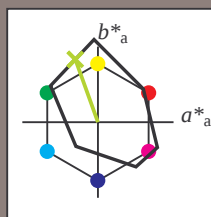
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	i03c			
g00b	47.59	-49.08	15.74	51.54	162	i23c			
g25b	49.97	-39.7	-6.72	40.27	190	i55c			
g50b	51.85	-32.33	-24.35	40.48	217	i87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 67 -30 83

LAB^*LCH^*Ma : 67 88 109

lab^*rgb^*Ma : 0.75 1.0 0.0

lab^*olv^*Ma : 0.66 1.0 0.0

triangle lightness t^*

%Gamut

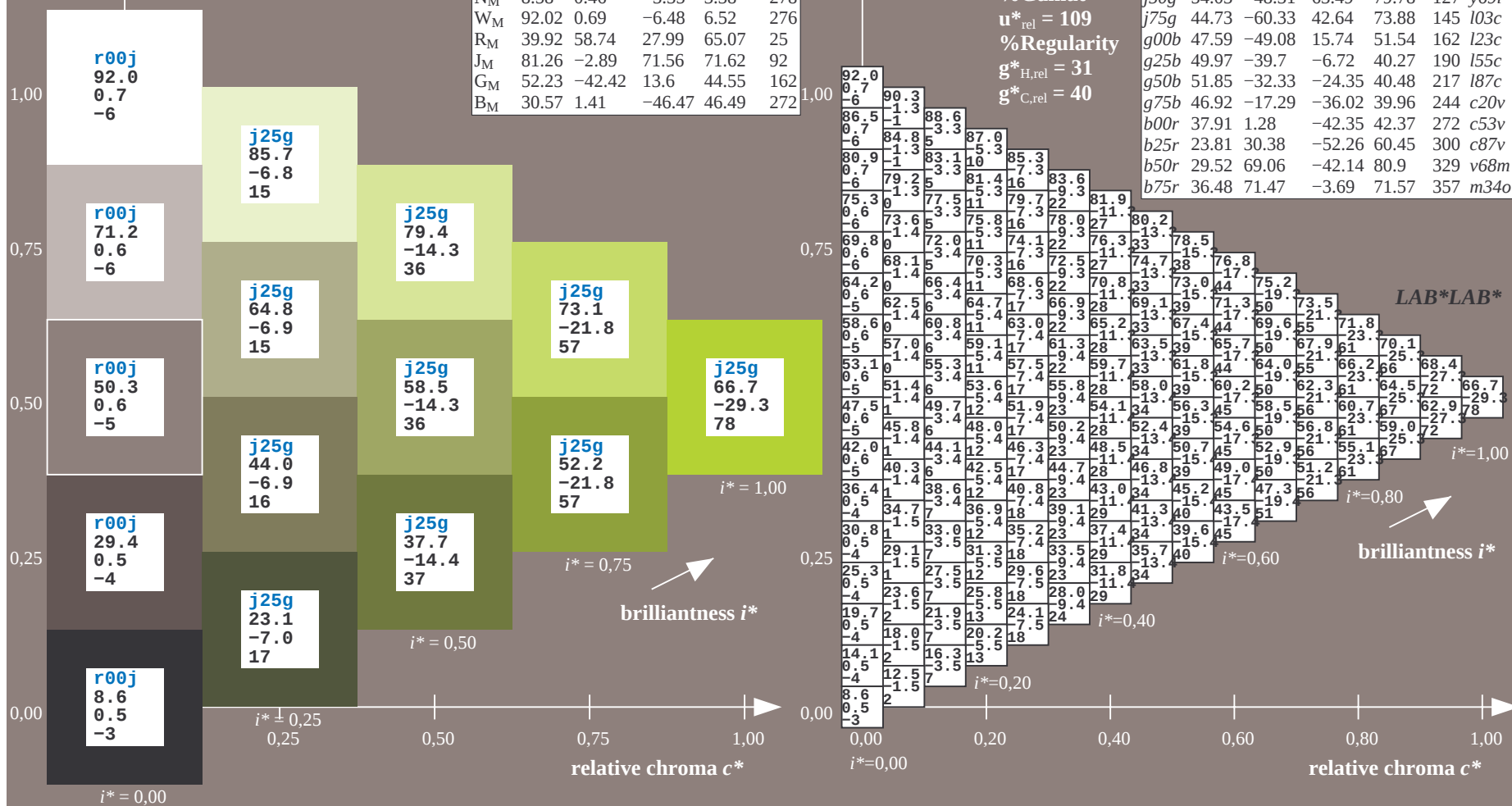
$u^*_{rel} = 109$

%Regularity

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

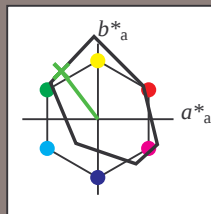
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	i03c			
g00b	47.59	-49.08	15.74	51.54	162	i23c			
g25b	49.97	-39.7	-6.72	40.27	190	i55c			
g50b	51.85	-32.33	-24.35	40.48	217	i87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 54 -48 63

LAB^*LCH^*Ma : 54 80 127

lab^*rgb^*Ma : 0.5 1.0 0.0

lab^*olv^*Ma : 0.3 1.0 0.0

triangle lightness t^*

%Gamut

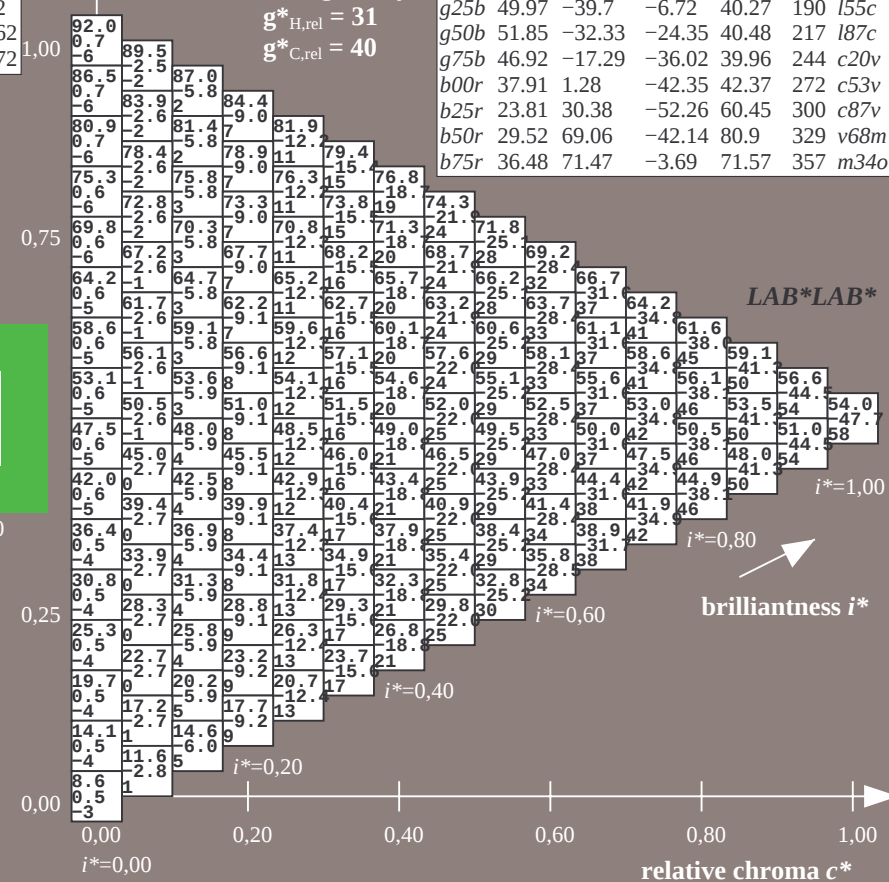
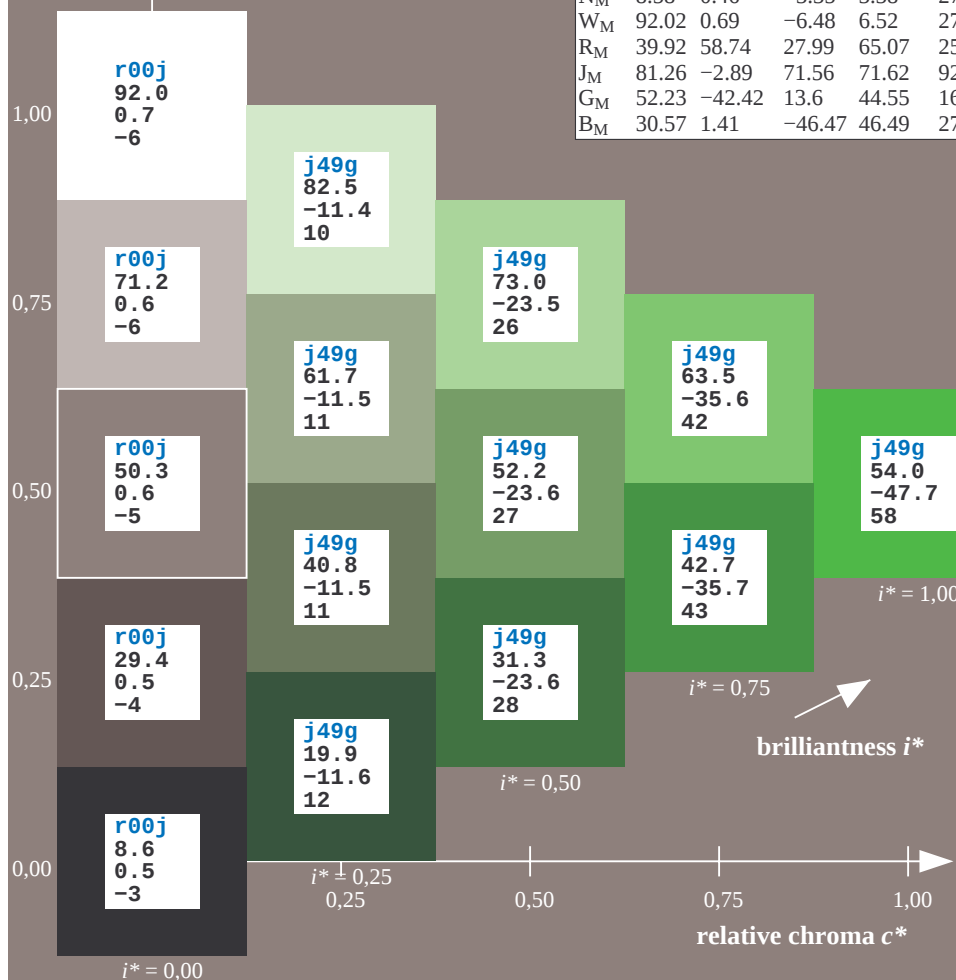
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	i03c			
g00b	47.59	-49.08	15.74	51.54	162	i23c			
g25b	49.97	-39.7	-6.72	40.27	190	i55c			
g50b	51.85	-32.33	-24.35	40.48	217	i87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

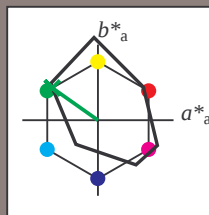
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 45 -60 43

LAB^*LCH^*Ma : 45 74 144

lab^*rgb^*Ma : 0.25 1.0 0.0

lab^*olv^*Ma : 0.0 1.0 0.03

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

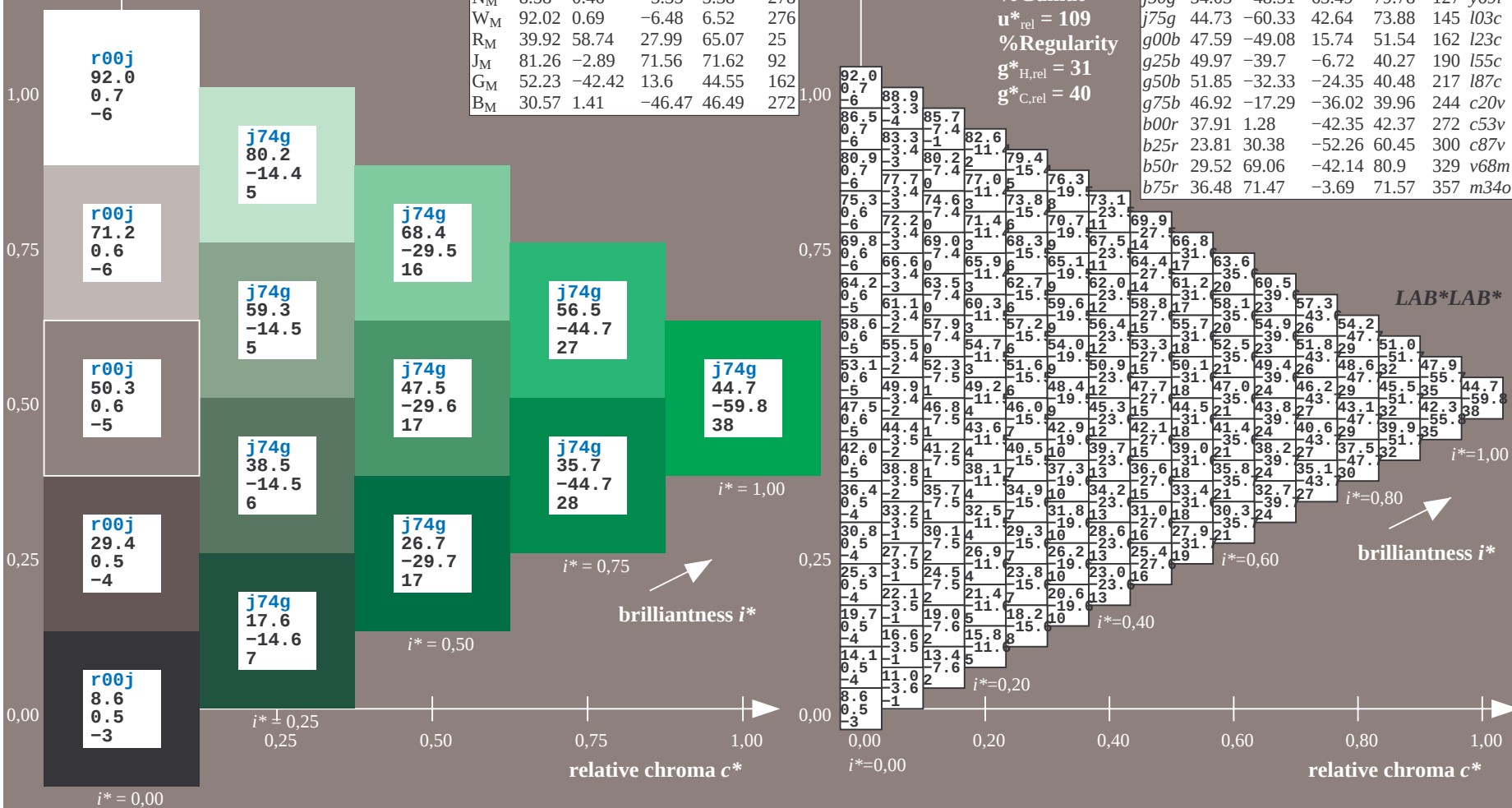
%Regularity

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

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

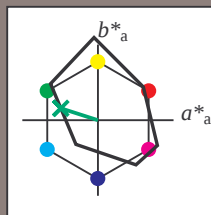
FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 48 -49 16

$LAB^*LCH^*_Ma$: 48 52 162

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

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

triangle lightness t^*

%Gamut

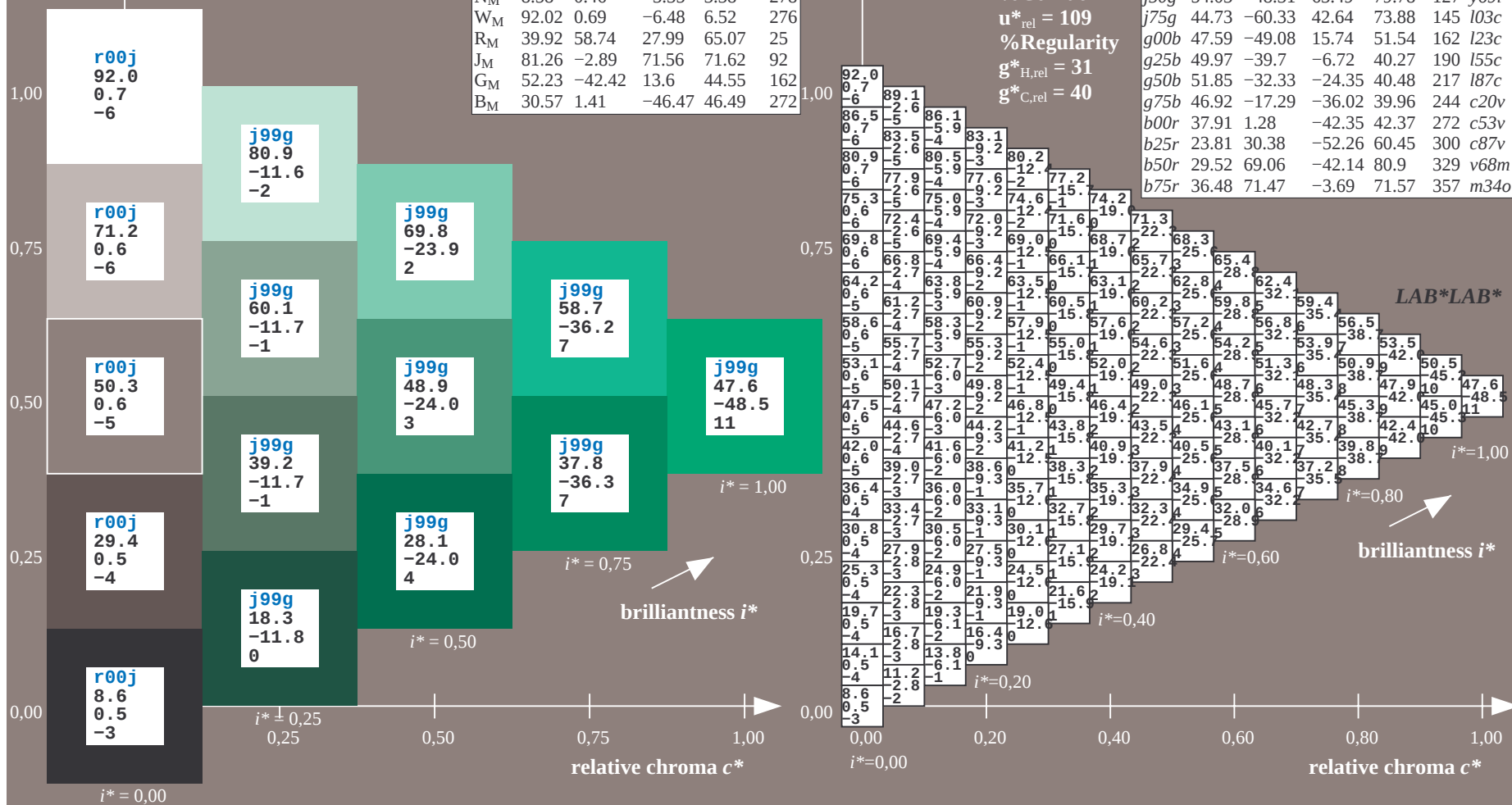
$u^*_{rel} = 109$

%Regularity

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

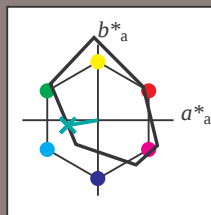
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
$r00j$	35.47	63.32	30.17	70.15	25		$m81o$		
$r25j$	39.12	54.56	49.45	73.64	42		$o10y$		
$r50j$	50.64	39.15	64.89	75.79	59		$o40y$		
$r75j$	64.01	21.26	82.83	85.52	76		$o69y$		
$j00g$	83.18	-4.38	108.53	108.62	92		$o98y$		
$j25g$	66.73	-29.89	83.06	88.28	110		$y34l$		
$j50g$	54.03	-48.31	63.49	79.78	127		$y69l$		
$j75g$	44.73	-60.33	42.64	73.88	145		$l03c$		
$g00b$	47.59	-49.08	15.74	51.54	162		$l23c$		
$g25b$	49.97	-39.7	-6.72	40.27	190		$l55c$		
$g50b$	51.85	-32.33	-24.35	40.48	217		$l87c$		
$g75b$	46.92	-17.29	-36.02	39.96	244		$c20v$		
$b00r$	37.91	1.28	-42.35	42.37	272		$c53v$		
$b25r$	23.81	30.38	-52.26	60.45	300		$c87v$		
$b50r$	29.52	69.06	-42.14	80.9	329		$v68m$		
$b75r$	36.48	71.47	-3.69	71.57	357		$m34o$		



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 50 -40 -7

LAB^*LCH^*Ma : 50 40 189

lab^*rgb^*Ma : 0.0 1.0 0.5

lab^*olv^*Ma : 0.0 1.0 0.55

triangle lightness t^*

%Gamut

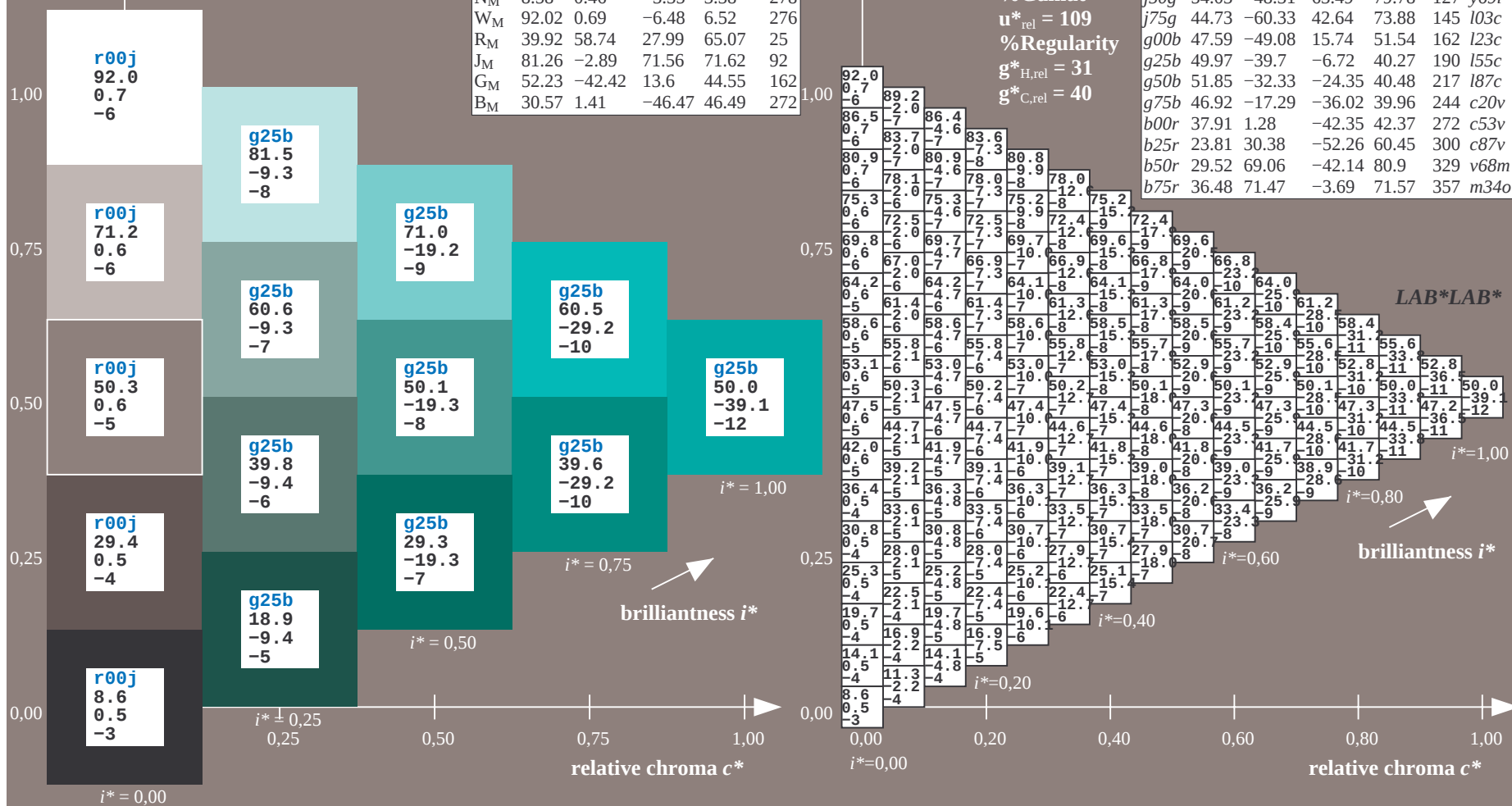
$u^*_{rel} = 109$

%Regularity

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

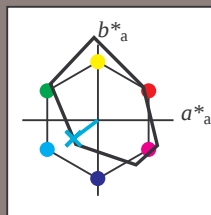
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 52 -32 -24

$LAB^*LCH^*_Ma$: 52 40 216

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

$lab^*olv^*_Ma$: 0.0 1.0 0.87

triangle lightness t^*

%Gamut

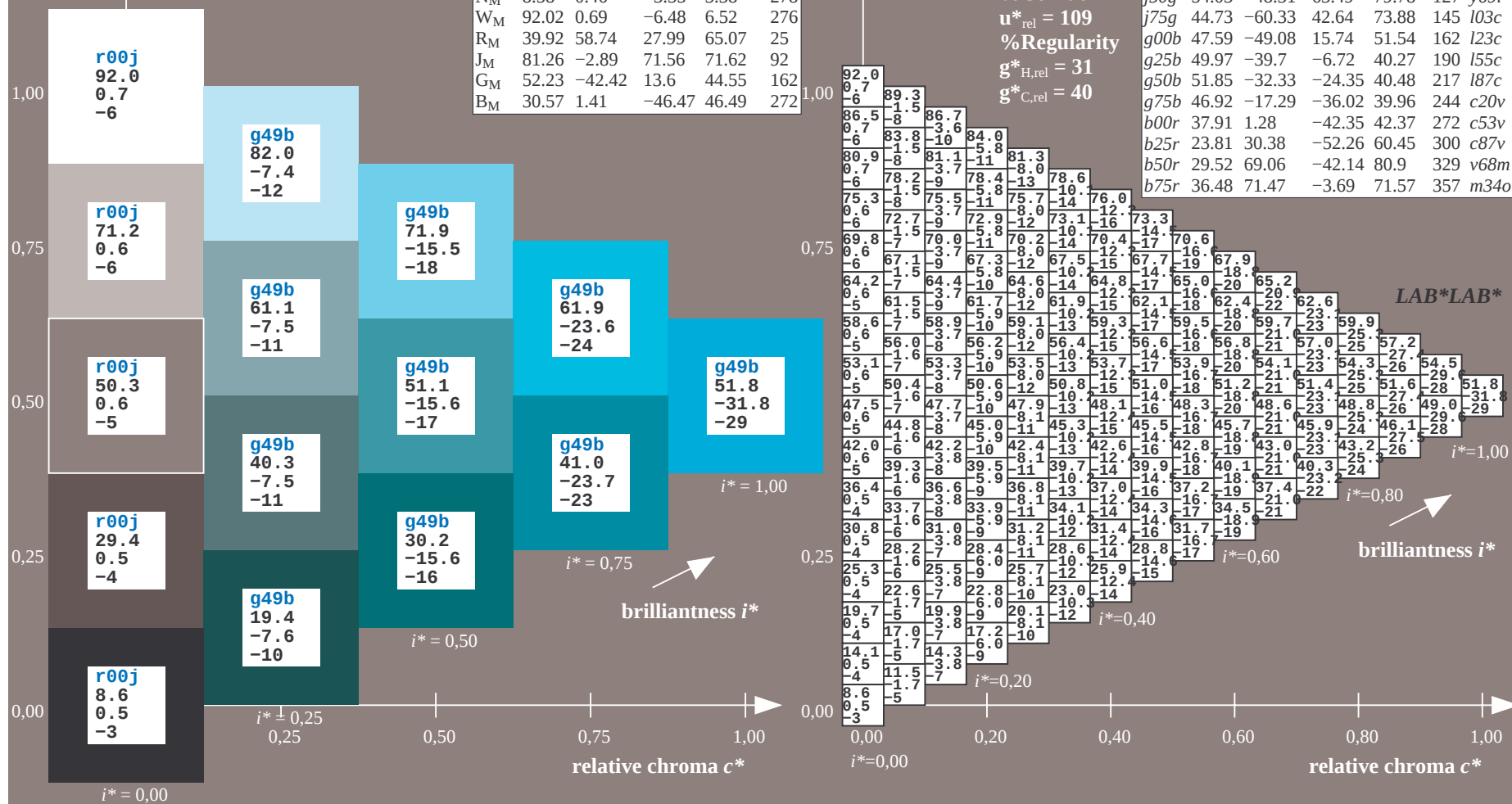
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

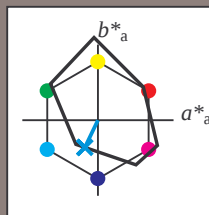
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 47 -17 -36

LAB^*LCH^*Ma : 47 40 244

lab^*rgb^*Ma : 0.0 0.5 1.0

lab^*olv^*Ma : 0.0 0.8 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

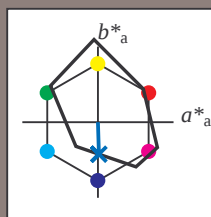
$i^*=0.20$

$i^*=0.00$

brilliantness i^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b00r$ $u^*_d = c53v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 1 -42

LAB^*LCH^*Ma : 38 42 271

lab^*rgb^*Ma : 0.0 0.0 1.0

lab^*olv^*Ma : 0.0 0.47 1.0

triangle lightness t^*

%Gamut

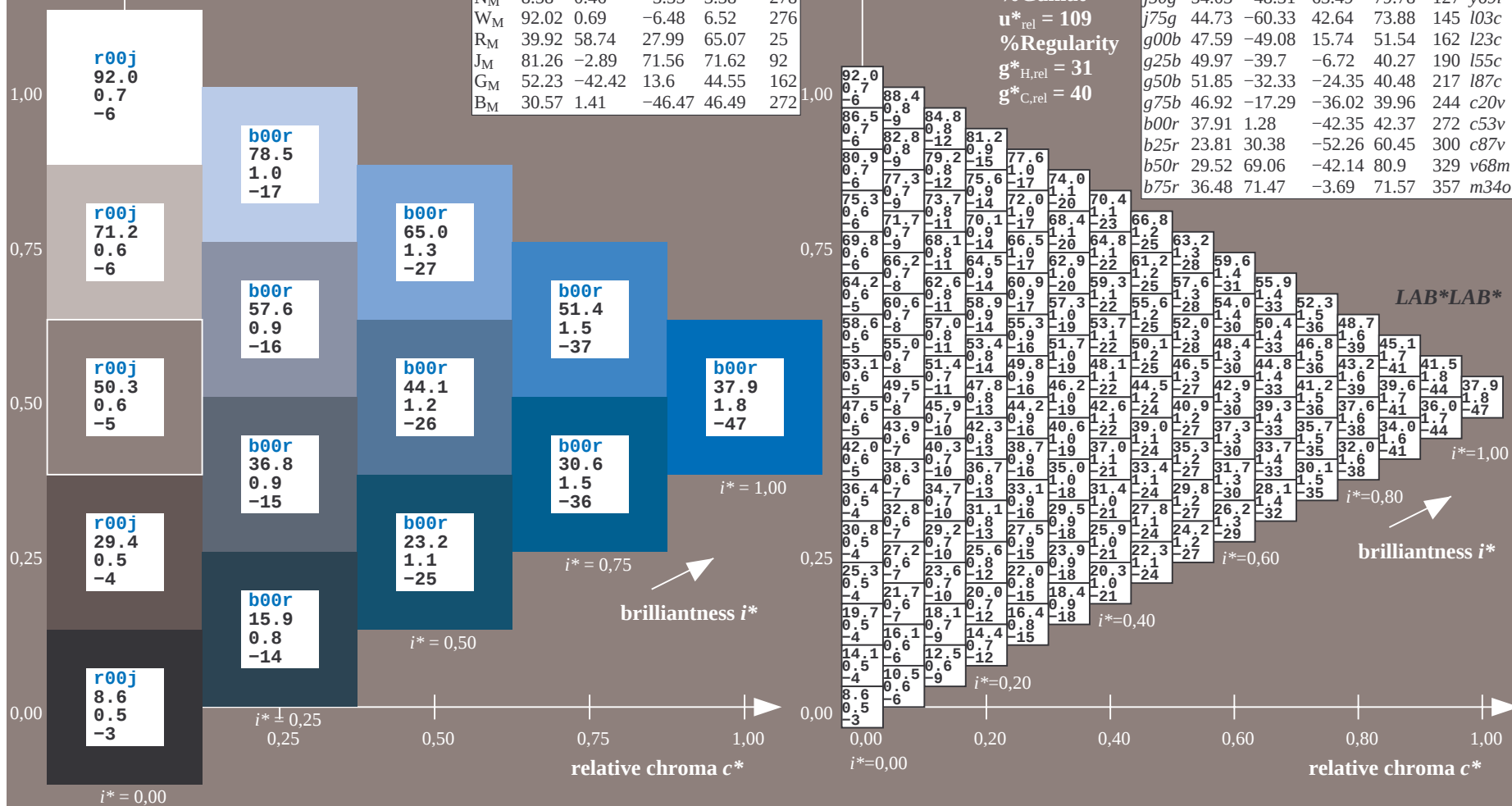
$u^*_{rel} = 109$

%Regularity

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

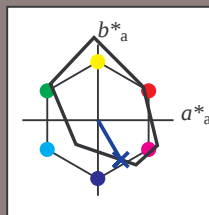
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	i03c			
g00b	47.59	-49.08	15.74	51.54	162	i23c			
g25b	49.97	-39.7	-6.72	40.27	190	i55c			
g50b	51.85	-32.33	-24.35	40.48	217	i87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 24 30 -52

LAB^*LCH^*Ma : 24 60 300

lab^*rgb^*Ma : 0.5 0.0 1.0

lab^*olv^*Ma : 0.0 0.12 1.0

triangle lightness t^*

%Gamut

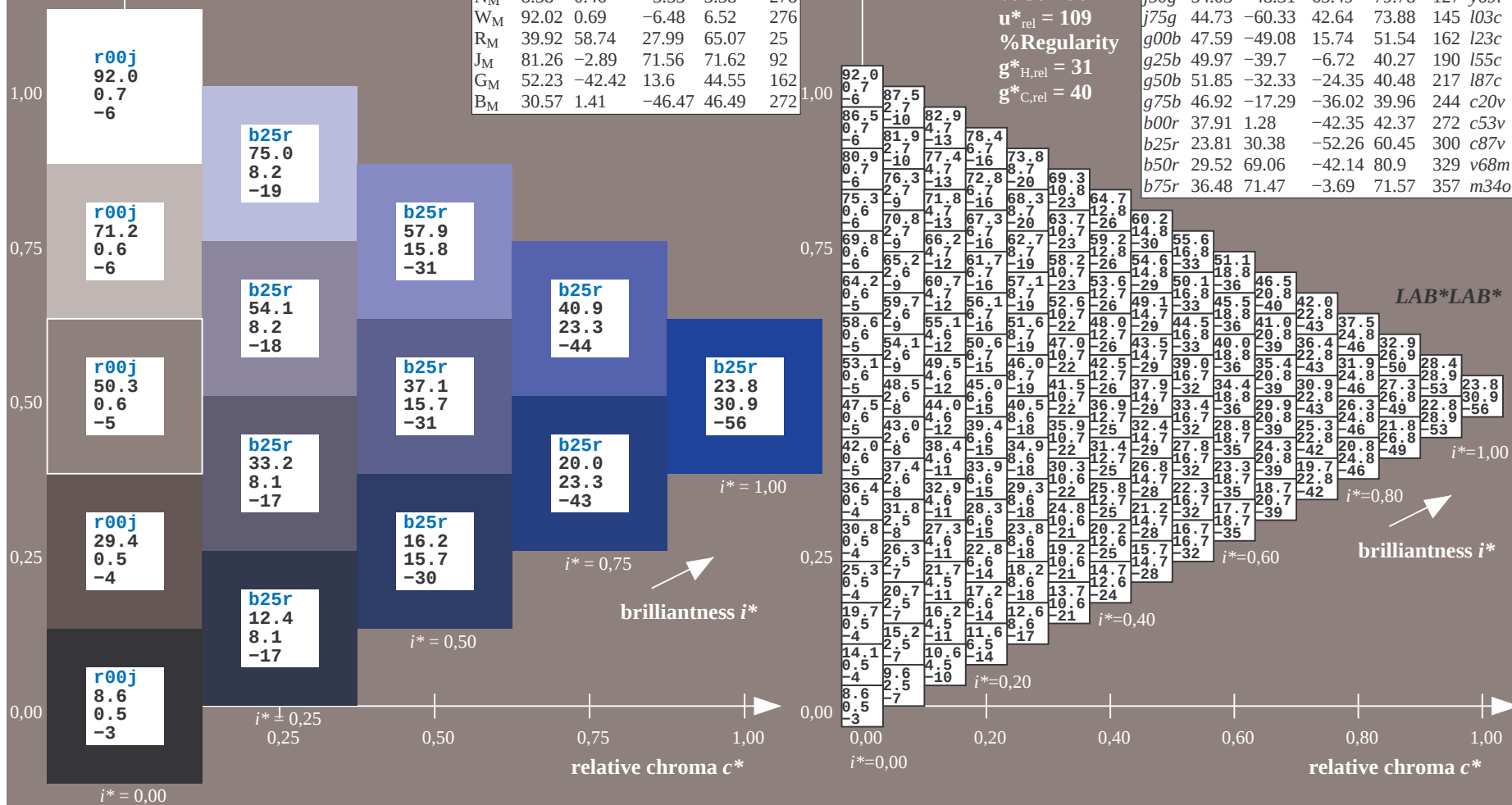
$u^*_{rel} = 109$

%Regularity

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

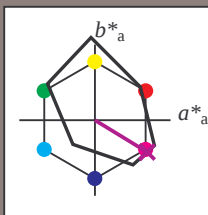
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b50r$ $u^*_d = v68m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 30 69 -42

LAB^*LCH^*Ma : 30 81 328

lab^*rgb^*Ma : 1.0 0.0 1.0

lab^*olv^*Ma : 0.69 0.0 1.0

triangle lightness t^*

%Gamut

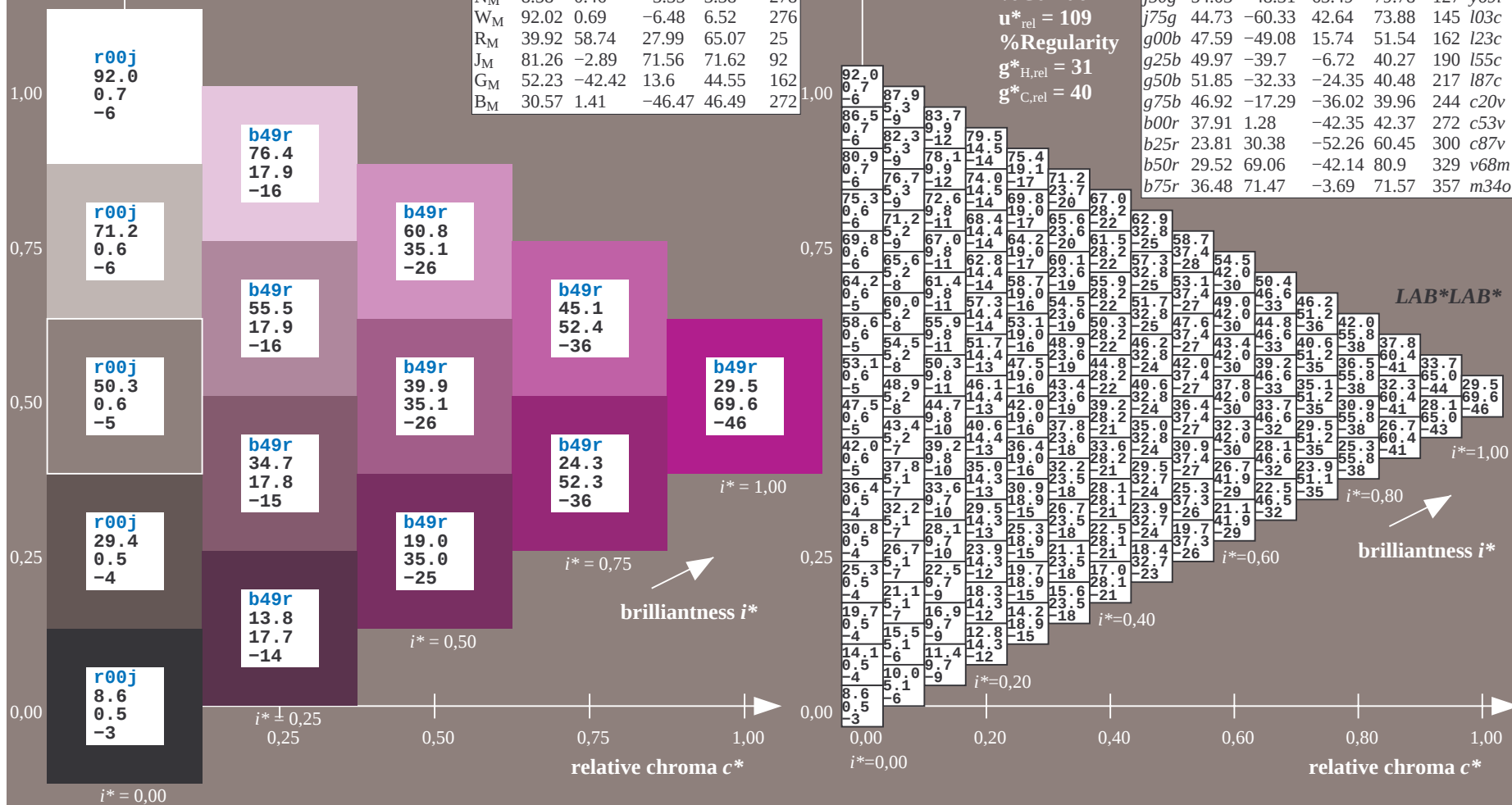
$u^*_{rel} = 109$

%Regularity

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

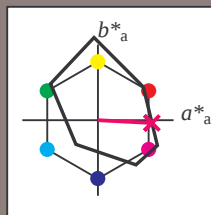
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	35.47	63.32	30.17	70.15	25	m81o			
r25j	39.12	54.56	49.45	73.64	42	o10y			
r50j	50.64	39.15	64.89	75.79	59	o40y			
r75j	64.01	21.26	82.83	85.52	76	o69y			
j00g	83.18	-4.38	108.53	108.62	92	o98y			
j25g	66.73	-29.89	83.06	88.28	110	y34l			
j50g	54.03	-48.31	63.49	79.78	127	y69l			
j75g	44.73	-60.33	42.64	73.88	145	l03c			
g00b	47.59	-49.08	15.74	51.54	162	l23c			
g25b	49.97	-39.7	-6.72	40.27	190	l55c			
g50b	51.85	-32.33	-24.35	40.48	217	l87c			
g75b	46.92	-17.29	-36.02	39.96	244	c20v			
b00r	37.91	1.28	-42.35	42.37	272	c53v			
b25r	23.81	30.38	-52.26	60.45	300	c87v			
b50r	29.52	69.06	-42.14	80.9	329	v68m			
b75r	36.48	71.47	-3.69	71.57	357	m34o			



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m34o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92; CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 36 71 -4

LAB^*LCH^*Ma : 36 72 357

lab^*rgb^*Ma : 1.0 0.0 0.5

lab^*olv^*Ma : 1.0 0.0 0.66

triangle lightness t^*

%Gamut

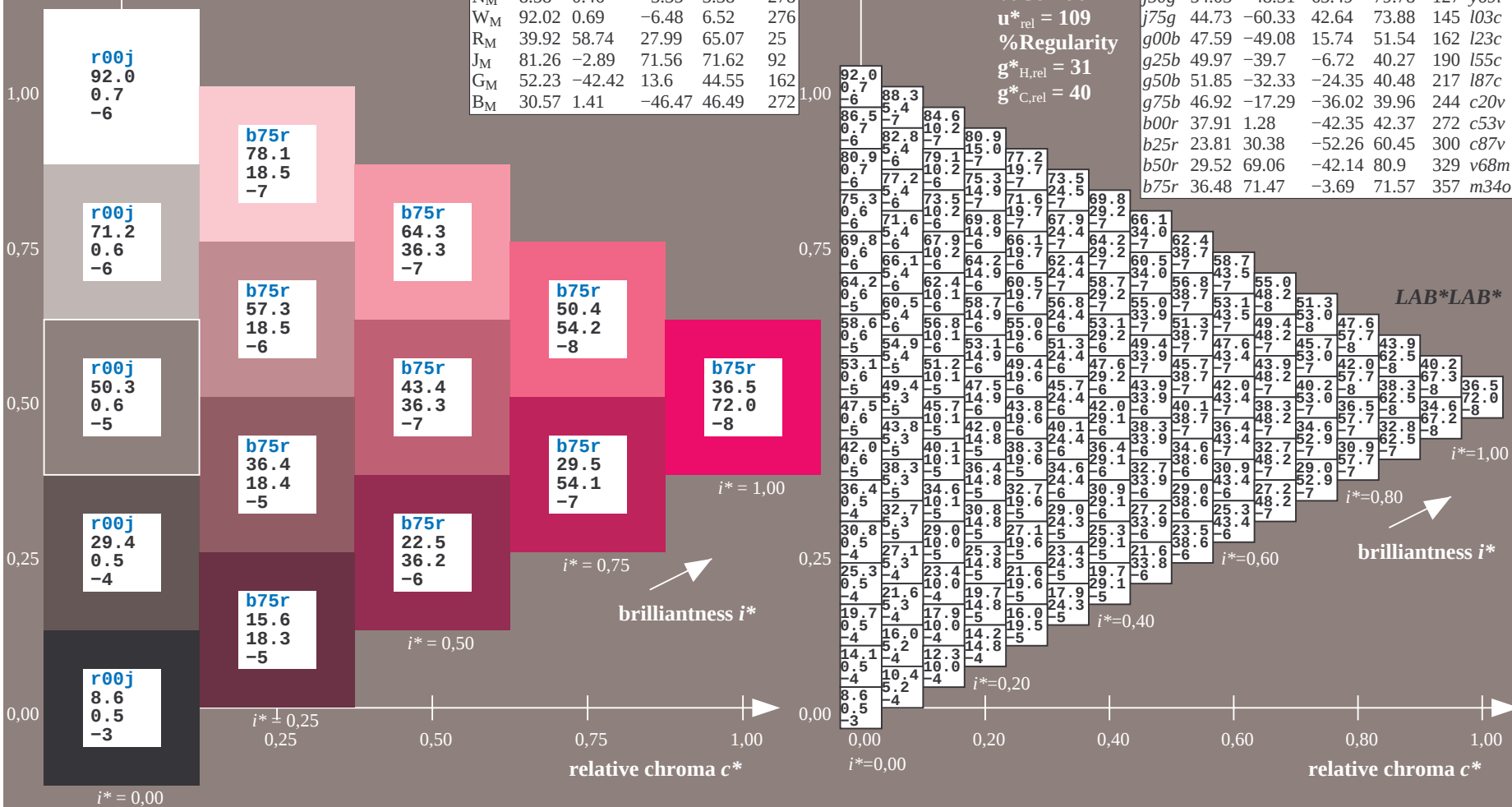
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
r00j	35.47	63.32	30.17	70.15	25		m81o		
r25j	39.12	54.56	49.45	73.64	42		o10y		
r50j	50.64	39.15	64.89	75.79	59		o40y		
r75j	64.01	21.26	82.83	85.52	76		o69y		
j00g	83.18	-4.38	108.53	108.62	92		o98y		
j25g	66.73	-29.89	83.06	88.28	110		y34l		
j50g	54.03	-48.31	63.49	79.78	127		y69l		
j75g	44.73	-60.33	42.64	73.88	145		i03c		
g00b	47.59	-49.08	15.74	51.54	162		i23c		
g25b	49.97	-39.7	-6.72	40.27	190		i55c		
g50b	51.85	-32.33	-24.35	40.48	217		i87c		
g75b	46.92	-17.29	-36.02	39.96	244		c20v		
b00r	37.91	1.28	-42.35	42.37	272		c53v		
b25r	23.81	30.38	-52.26	60.45	300		c87v		
b50r	29.52	69.06	-42.14	80.9	329		v68m		
b75r	36.48	71.47	-3.69	71.57	357		m34o		



See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

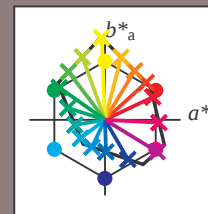
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	48.5	52.9	57.3	61.7	66.1	70.5	74.9	79.3	83.7	88.1	92.5	96.9	101.3	105.7	110.1	114.5	118.9	123.3	127.7	132.1	136.5	140.9	145.3	149.7	154.1	158.5	162.9	167.3	171.7	176.1	180.5	184.9	189.3	193.7	198.1	202.5	206.9	211.3	215.7	220.1	224.5	228.9	233.3	237.7	242.1	246.5	250.9	255.3	259.7	264.1	268.5	272.9	277.3	281.7	286.1	290.5	294.9	299.3	303.7	308.1	312.5	316.9	321.3	325.7	330.1	334.5	338.9	343.3	347.7	352.1	356.5	360.9	365.3	369.7	374.1	378.5	382.9	387.3	391.7	396.1	400.5	404.9	409.3	413.7	418.1	422.5	426.9	431.3	435.7	440.1	444.5	448.9	453.3	457.7	462.1	466.5	470.9	475.3	479.7	484.1	488.5	492.9	497.3	501.7	506.1	510.5	514.9	519.3	523.7	528.1	532.5	536.9	541.3	545.7	550.1	554.5	558.9	563.3	567.7	572.1	576.5	580.9	585.3	589.7	594.1	598.5	602.9	607.3	611.7	616.1	620.5	624.9	629.3	633.7	638.1	642.5	646.9	651.3	655.7	660.1	664.5	668.9	673.3	677.7	682.1	686.5	690.9	695.3	699.7	704.1	708.5	712.9	717.3	721.7	726.1	730.5	734.9	739.3	743.7	748.1	752.5	756.9	761.3	765.7	770.1	774.5	778.9	783.3	787.7	792.1	796.5	800.9	805.3	809.7	814.1	818.5	822.9	827.3	831.7	836.1	840.5	844.9	849.3	853.7	858.1	862.5	866.9	871.3	875.7	880.1	884.5	888.9	893.3	897.7	902.1	906.5	910.9	915.3	919.7	924.1	928.5	932.9	937.3	941.7	946.1	950.5	954.9	959.3	963.7	968.1	972.5	976.9	981.3	985.7	990.1	994.5	998.9	1003.3	1007.7	1012.1	1016.5	1020.9	1025.3	1029.7	1034.1	1038.5	1042.9	1047.3	1051.7	1056.1	1060.5	1064.9	1069.3	1073.7	1078.1	1082.5	1086.9	1091.3	1095.7	1100.1	1104.5	1108.9	1113.3	1117.7	1122.1	1126.5	1130.9	1135.3	1139.7	1144.1	1148.5	1152.9	1157.3	1161.7	1166.1	1170.5	1174.9	1179.3	1183.7	1188.1	1192.5	1196.9	1201.3	1205.7	1210.1	1214.5	1218.9	1223.3	1227.7	1232.1	1236.5	1240.9	1245.3	1249.7	1254.1	1258.5	1262.9	1267.3	1271.7	1276.1	1280.5	1284.9	1289.3	1293.7	1298.1	1302.5	1306.9	1311.3	1315.7	1320.1	1324.5	1328.9	1333.3	1337.7	1342.1	1346.5	1350.9	1355.3	1359.7	1364.1	1368.5	1372.9	1377.3	1381.7	1386.1	1390.5	1394.9	1399.3	1403.7	1408.1	1412.5	1416.9	1421.3	1425.7	1430.1	1434.5	1438.9	1443.3	1447.7	1452.1	1456.5	1460.9	1465.3	1469.7	1474.1	1478.5	1482.9	1487.3	1491.7	1496.1	1500.5	1504.9	1509.3	1513.7	1518.1	1522.5	1526.9	1531.3	1535.7	1540.1	1544.5	1548.9	1553.3	1557.7	1562.1	1566.5	1570.9	1575.3	1579.7	1584.1	1588.5	1592.9	1597.3	1601.7	1606.1	1610.5	1614.9	1619.3	1623.7	1628.1	1632.5	1636.9	1641.3	1645.7	1650.1	1654.5	1658.9	1663.3	1667.7	1672.1	1676.5	1680.9	1685.3	1689.7	1694.1	1698.5	1702.9	1707.3	1711.7	1716.1	1720.5	1724.9	1729.3	1733.7	1738.1	1742.5	1746.9	1751.3	1755.7	1760.1	1764.5	1768.9	1773.3	1777.7	1782.1	1786.5	1790.9	1795.3	1799.7	1804.1	1808.5	1812.9	1817.3	1821.7	1826.1	1830.5	1834.9	1839.3	1843.7	1848.1	1852.5	1856.9	1861.3	1865.7	1870.1	1874.5	1878.9	1883.3	1887.7	1892.1	1896.5	1900.9	1905.3	1909.7	1914.1	1918.5	1922.9	1927.3	1931.7	1936.1	1940.5	1944.9	1949.3	1953.7	1958.1	1962.5	1966.9	1971.3	1975.7	1980.1	1984.5	1988.9	1993.3	1997.7	2002.1	2006.5	2010.9	2015.3	2019.7	2024.1	2028.5	2032.9	2037.3	2041.7	2046.1	2050.5	2054.9	2059.3	2063.7	2068.1	2072.5	2076.9	2081.3	2085.7	2090.1	2094.5	2098.9	2103.3	2107.7	2112.1	2116.5	2120.9	2125.3	2129.7	2134.1	2138.5	2142.9	2147.3	2151.7	2156.1	2160.5	2164.9	2169.3	2173.7	2178.1	2182.5	2186.9	2191.3	2195.7	2200.1	2204.5	2208.9	2213.3	2217.7	2222.1	2226.5	2230.9	2235.3	2239.7	2244.1	2248.5	2252.9	2257.3	2261.7	2266.1	2270.5	2274.9	2279.3	2283.7	2288.1	2292.5	2296.9	2301.3	2305.7	2310.1	2314.5	2318.9	2323.3	2327.7	2332.1	2336.5	2340.9	2345.3	2349.7	2354.1	2358.5	2362.9	2367.3	2371.7	2376.1	2380.5	2384.9	2389.3	2393.7	2398.1	2402.5	2406.9	2411.3	2415.7	2420.1	2424.5	2428.9	2433.3	2437.7	2442.1	2446.5	2450.9	2455.3	2459.7	2464.1	2468.5	2472.9	2477.3	2481.7	2486.1	2490.5	2494.9	2499.3	2503.7	2508.1	2512.5	2516.9	2521.3	2525.7	2530.1	2534.5	2538.9	2543.3	2547.7	2552.1	2556.5	2560.9	2565.3	2569.7	2574.1	2578.5	2582.9	2587.3	2591.7	2596.1	2600.5	2604.9	2609.3	2613.7	2618.1	2622.5	2626.9	2631.3	2635.7	2640.1	2644.5	2648.9	2653.3	2657.7	2662.1	2666.5	2670.9	2675.3	2679.7	2684.1	2688.5	2692.9	2697.3	2701.7	2706.1	2710.5	2714.9	2719.3	2723.7	2728.1	2732.5	2736.9	2741.3	2745.7	2750.1	2754.5	2758.9	2763.3	2767.7	2772.1	2776.5	2780.9	2785.3	2789.7	2794.1	2798.5	2802.9	2807.3	2811.7	2816.1	2820.5	2824.9	2829.3	2833.7	2838.1	2842.5	2846.9	2851.3	2855.7	2860.1	2864.5	2868.9	2873.3	2877.7	2882.1	2886.5	2890.9	2895.3	2899.7	2904.1	2908.5	2912.9	2917.3	2921.7	2926.1	2930.5	2934.9	2939.3	2943.7	2948.1	2952.5	2956.9	2961.3	2965.7	2970.1	2974.5	2978.9	2983.3	2987.7	2992.1	2996.5	3000.9	3005.3	3009.7	3014.1	3018.5	3022.9	3027.3	3031.7	3036.1	3040.5	3044.9	3049.3	3053.7	3058.1	3062.5	3066.9	3071.3	3075.7	3080.1	3084.5	3088.9	3093.3	3097.7	3102.1	3106.5	3110.9	3115.3	3119.7	3124.1	3128.5	3132.9	3137.3	3141.7	3146.1	3150.5	3154.9	3159.3	3163.7	3168.1	3172.5	3176.9	3181.3	3185.7	3190.1	3194.5	3198.9	3203.3	3207.7	3212.1	3216.5	3220.9	3225.3	3229.7	3234.1	3238.5	3242.9	3247.3	3251.7	3256.1	3260.5	3264.9	3269.3	3273.7	3278.1	3282.5	3286.9	3291.3	3295.7	3300.1	3304.5	3308.9	3313.3	3317.7	3322.1	3326.5	3330.9	3335.3	3339.7	3344.1	3348.5	3352.9	3357.3	3361.7	3366.1	3370.5	3374.9	3379.3	3383.7	3388.1	3392.5	3396.9	3401.3	3405.7	3410.1	3414.5	3418.9	3423.3	3427.7	3432.1	3436.5	3440.9	3445.3	3449.7	3454.1	3458.5	3462.9	3467.3	3471.7	3476.1	3480.5	3484.9	3489.3	3493.7	3498.1	3502.5	3506.9	3511.3	3515.7	3520.1	3524.5	3528.9	3533.3	3537.7	3542.1	3546.5	3550.9	3555.3	3559.7	3564.1	3568.5	3572.9	3577.3	3581.7	3586.1	3590.5	3594.9	3599.3	3603.7	3608.1	3612.5	3616.9	3621.3	3625.7	3630.1	3634.5	3638.9	3643.3	3647.7	3652.1	3656.5	3660.9	3665.3	3669.7	3674.1	3678.5	3682.9	3687.3	3691.7	3696.1	3700.5	3704.9	3709.3	3713.7	3718.1	3722.5	3726.9	3731.3	3735.7	3740.1	3744.5	3748.9	3753.3	3757.7	3762.1	3766.5	3770.9	3775.3	3779.7	3784.1	3788.5	3792.9	3797.3	3801.7	3806.1	3810.5	3814.9	3819.3	3823.7	3828.1	3832.5	3836.9	3841.3	3845.7	3850.1	3854.5	3858.9	3863.3	3867.7	3872.1	3876.5	3880.9	3885.3	3889.7	3894.1	3898.5	3902.9	3907.3	3911.7	3916.1	3920.5	3924.9	3929.3	3933.7	3938.1	3942.5	3946.9	3951.3	3955.7	3960.1	3964.5	3968.9	3973.3	3977.7	3982.1	3986.5	3990.9	3995.3	3999.7	4004.1	4008.5	4012.9	4017.3	4021.7	4026.1	4030.5	4034.9	4039.3	4043.7	4048.1	4052.5	4056.9	4061.3	4065.7	4070.1	4074.5	4078.9	4083.3	4087.7	4092.1	4096.5	4100.9	4105.3	4109.7	4114.1	4118.5	4122.9	4127.3	4131.7	4136.1	4140.5	4144.9	4149.3	4153.7	4158.1	4162.5	4166.9	4171.3	4175.7	4180.1	4184.5	4188.9	4193.3	4197.7	4202.1	4206.5	4210.9	4215.3	4219.7	4224.1	4228.5	4232.9	4237.3	4241.7	4246.1	4250.5	4254.9	4259.3	4263.7	4268.1	4272.5	4276.9	4281.3	4285.7	4290.1	4294.5	4298.9	4303.3	4307.7	4312.1	4316.5	4320.9	4325.3	4329.7	4334.1	4338.5	4342.9	4347.3	4351.7	4356.1	4360.5	4364.9	4369.3	4373.7	4378.1	4382.5	4386.9	4391.3	4395.7	4400.1	4404.5	4408.9	4413.3	4417.7	4422.1	4426.5	4430.9	4435.3	4439.7	4444.1	4448.5	4452.9	4457.3	4461.7	4466.1	4470.5	4474.9	4479.3	4483.7	4488.1	4492.5	4496.9	4501.3	4505.7	4510.1	4514.5	4518.9	4523.3	4527.7	4532.1	4536.5	4540.9	4545.3	4549.7	4554.1	4558.5	4562.9	4567.3	4571.7	4576.1	4580.5	4584.9	4589.3	4593.7	4598.1	4602.5	4606.9	4611.3	4615.7	4620.1	4624.5	4628.9	4633.3	4637.7	4642.1	4646.5	4650.9	4655.3	4659.7	4664.1	4668.5	4672.9	4677.3	4681.7	4686.1	4690.5	4694.9	4699.3	4703.7	4708.1	4712.5	4716.9	4721.3	4725.7	4730.1	4734.5	4738.9	4743.3	4747.7	4752.1	4756.5	4760.9	4765.3	4769.7	4774.1	4778.5	4782.9	4787.3	4791.7	4796.1	4800.5	4804.9	4809.3	4813.7	4818.1	4822.5	4826.9	4831.3	4835.7	4840.1	4844.5	4848.9	4853.3	4857.7	4862.1	4866.5

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

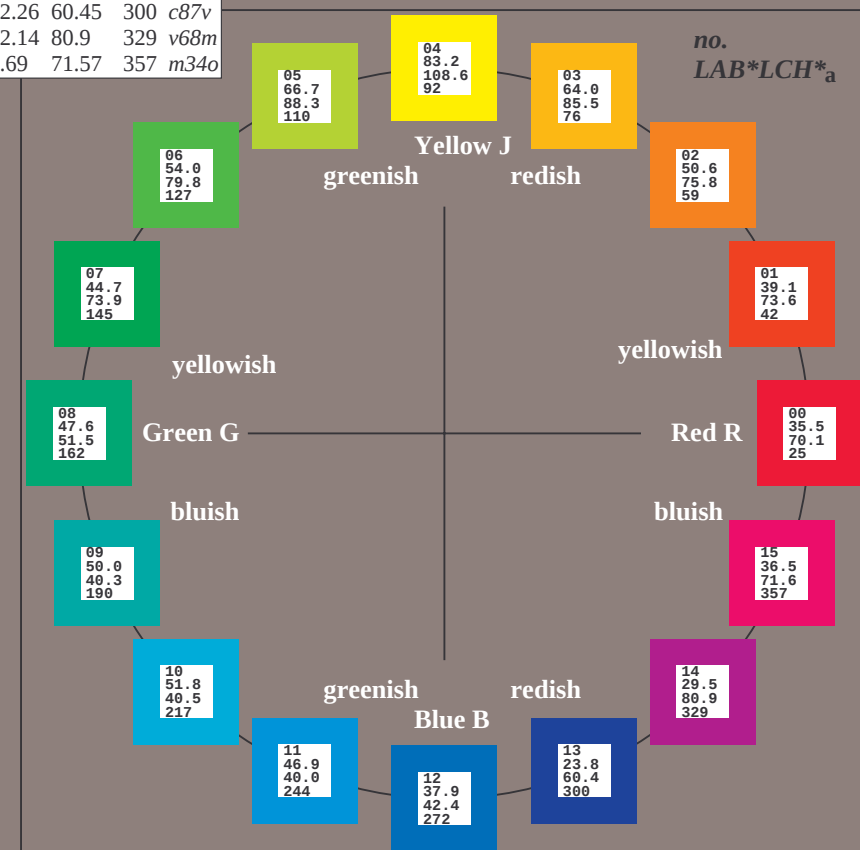
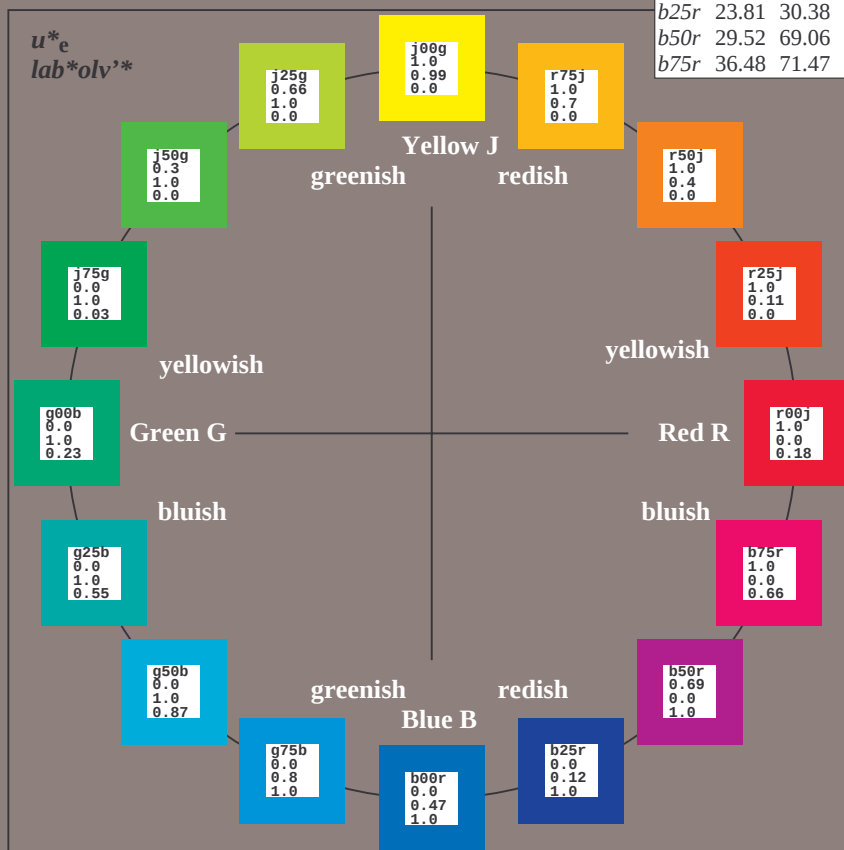
%Regularity

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

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

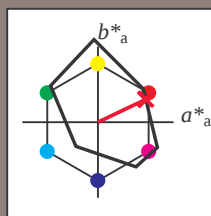
FRS09_92a; CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 35 63 30

$LAB^*LCH^*_{Ma}$: 35 70 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

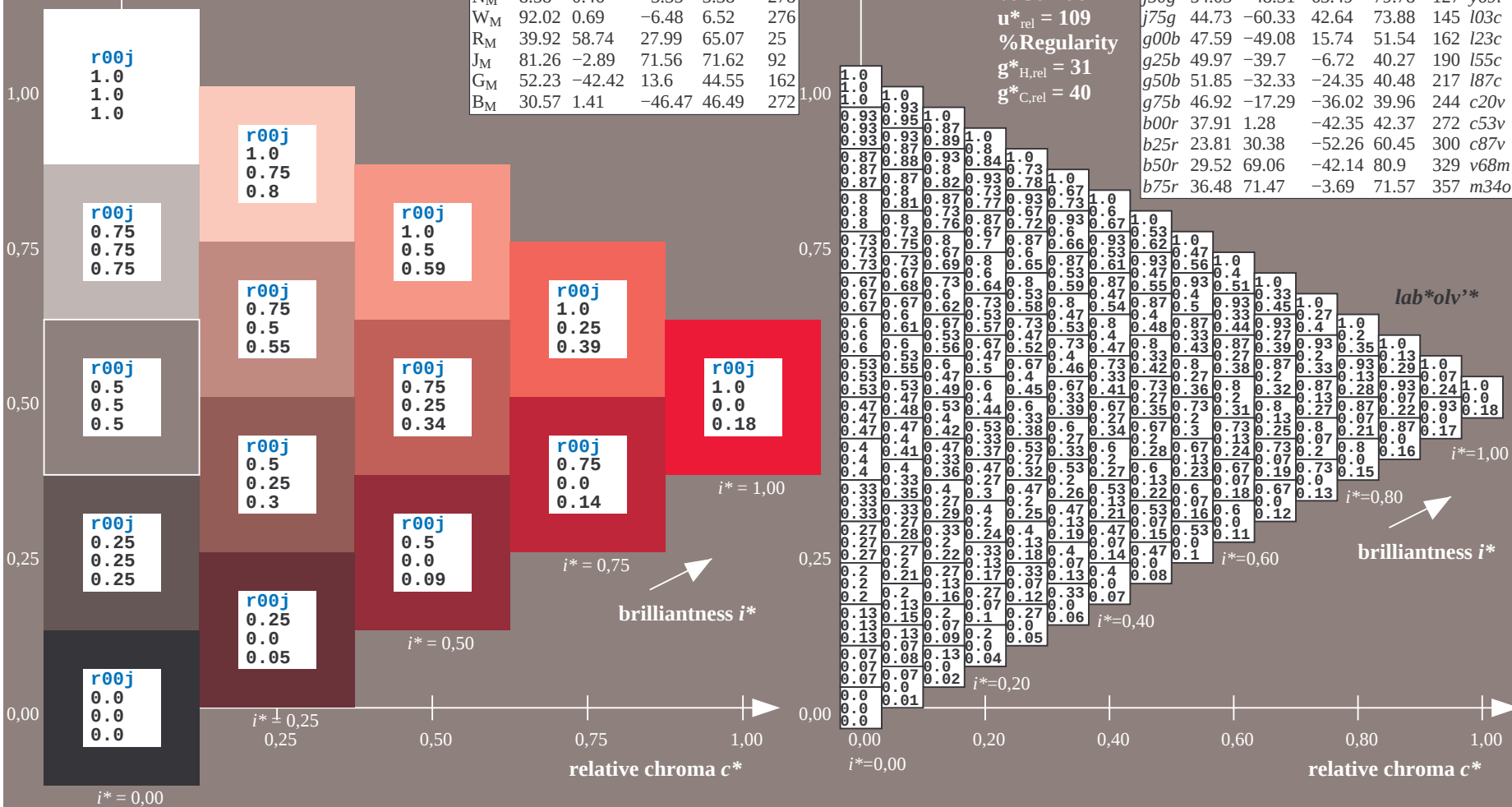
$u^*_{rel} = 109$

%Regularity

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

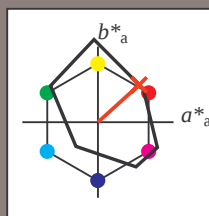
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 39 55 49

LAB^*LCH^*Ma : 39 74 42

lab^*rgb^*Ma : 1.0 0.25 0.0

lab^*olv^*Ma : 1.0 0.11 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

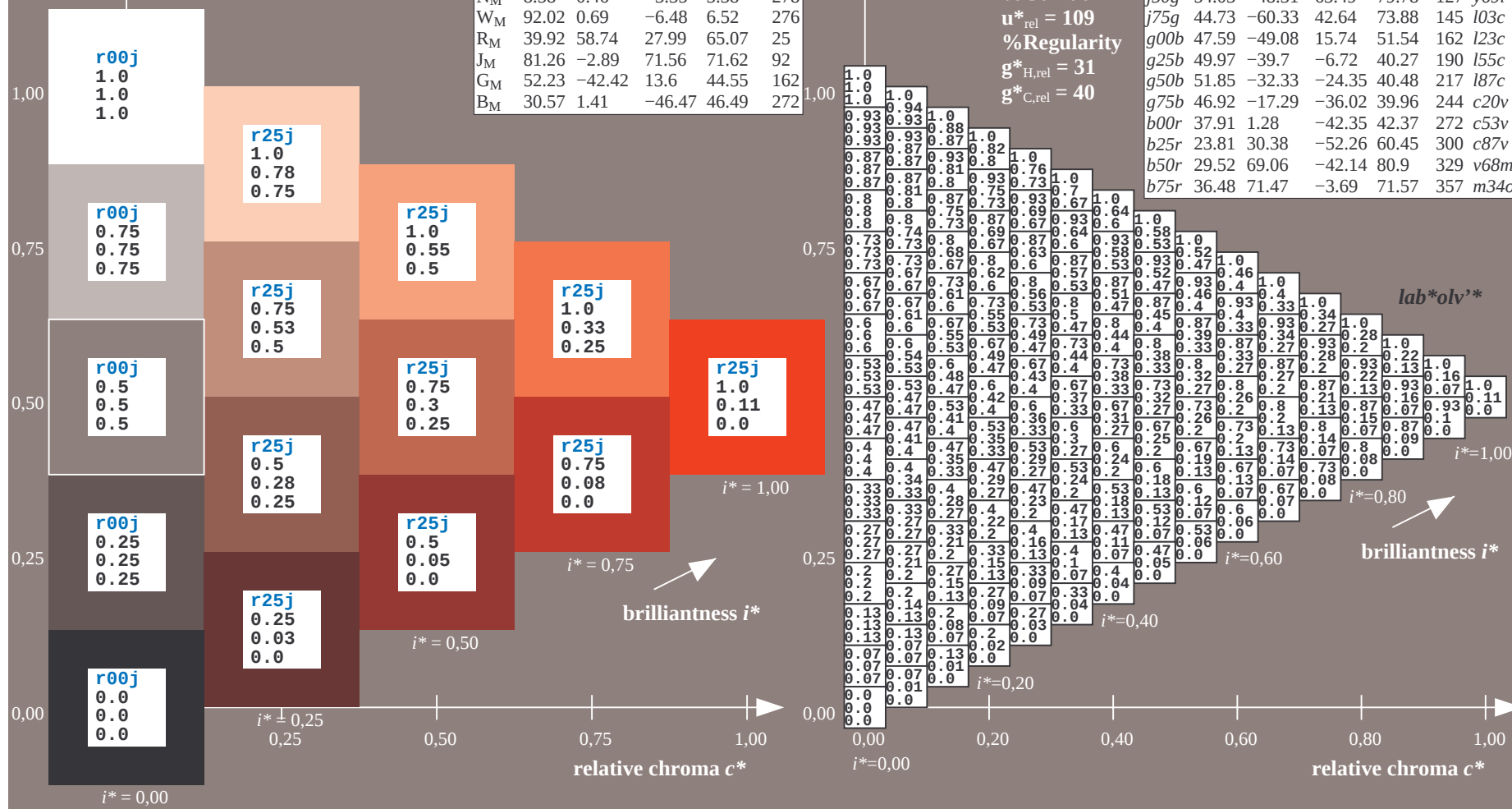
$g^*_{H,rel} = 31$

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

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
$r00j$	35.47	63.32	30.17	70.15	25		$m81o$		
$r25j$	39.12	54.56	49.45	73.64	42		$o10y$		
$r50j$	50.64	39.15	64.89	75.79	59		$o40y$		
$r75j$	64.01	21.26	82.83	85.52	76		$o69y$		
$j00g$	83.18	-4.38	108.53	108.62	92		$o98y$		
$j25g$	66.73	-29.89	83.06	88.28	110		$y34l$		
$j50g$	54.03	-48.31	63.49	79.78	127		$y69l$		
$j75g$	44.73	-60.33	42.64	73.88	145		$l03c$		
$g00b$	47.59	-49.08	15.74	51.54	162		$l23c$		
$g25b$	49.97	-39.7	-6.72	40.27	190		$l55c$		
$g50b$	51.85	-32.33	-24.35	40.48	217		$l87c$		
$g75b$	46.92	-17.29	-36.02	39.96	244		$c20v$		
$b00r$	37.91	1.28	-42.35	42.37	272		$c53v$		
$b25r$	23.81	30.38	-52.26	60.45	300		$c87v$		
$b50r$	29.52	69.06	-42.14	80.9	329		$v68m$		
$b75r$	36.48	71.47	-3.69	71.57	357		$m34o$		

See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee36/; www.ps.bam.de/Ee36/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee36/10L/L36E00NP.PS/ .PDF BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

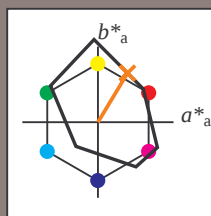
Hue texts:

$u^*_e = r50j$ $u^*_d = o40y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 51 39 65

LAB^*LCH^*Ma : 51 76 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

% Gamut

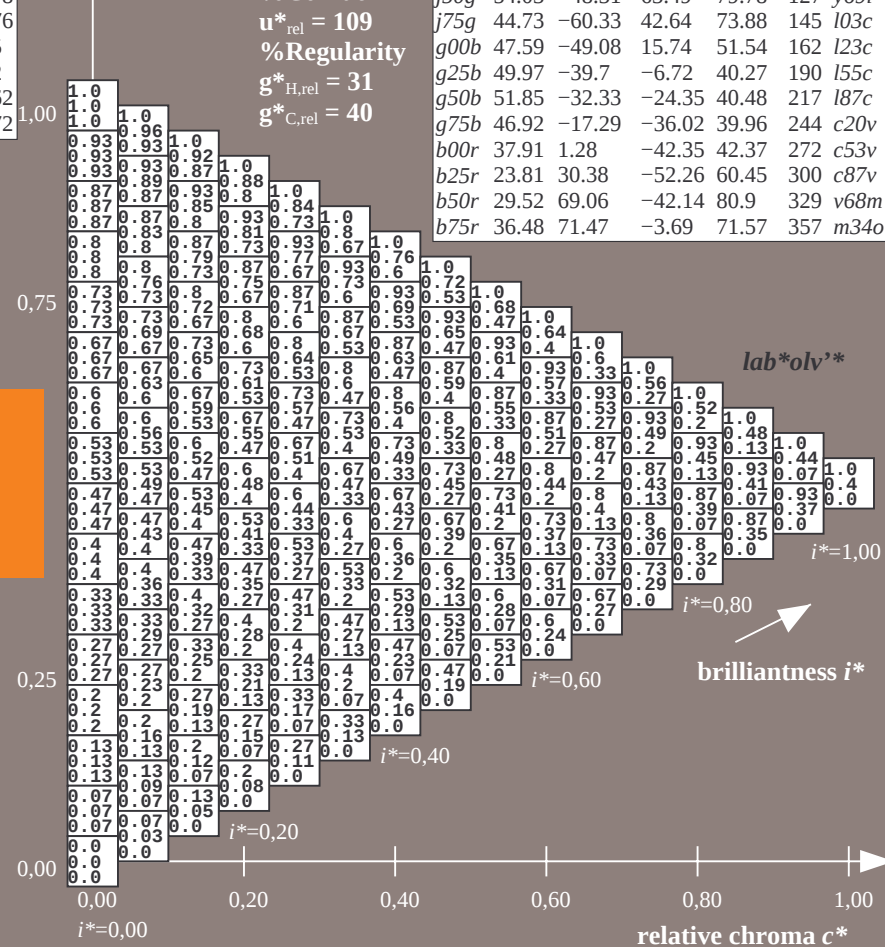
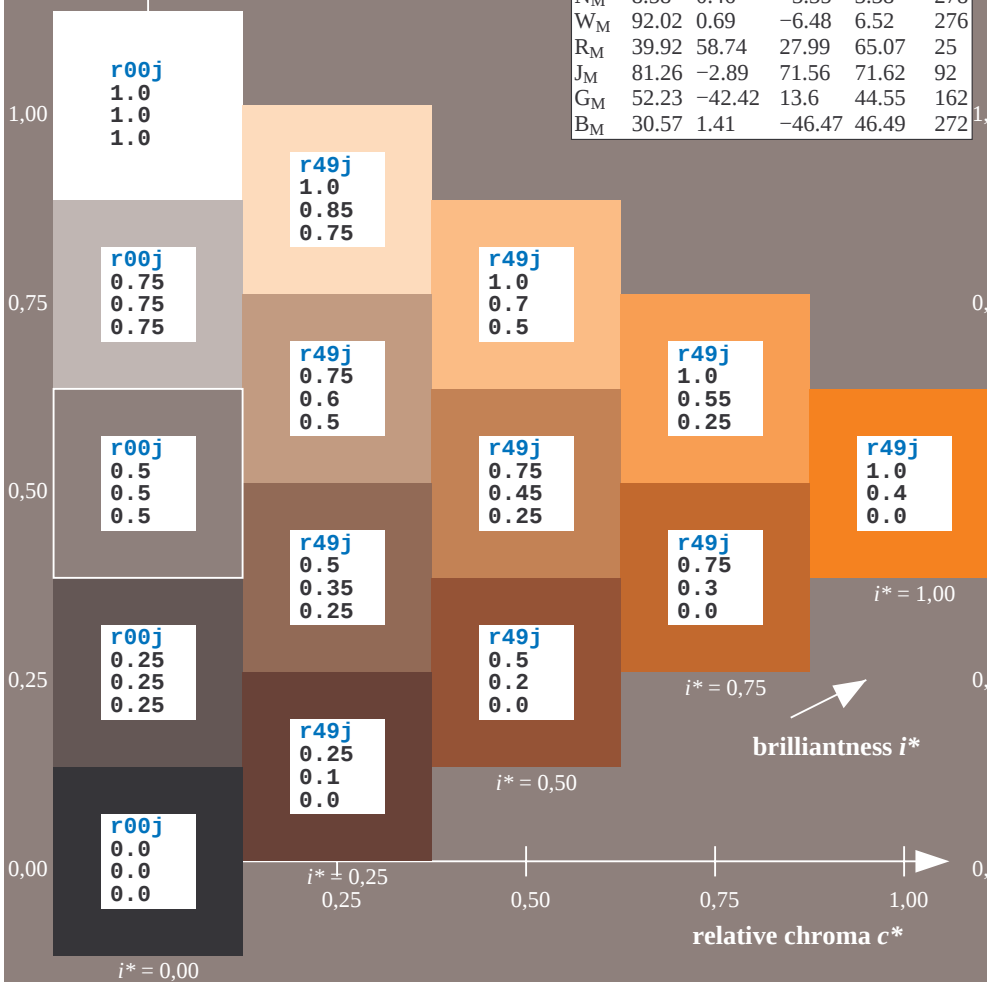
$u^*_{rel} = 109$

% Regularity

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

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

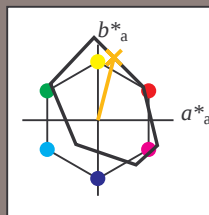
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.21$
data for any colour:
 $\text{lab} \cdot \text{tch}^*$ and $\text{lab} \cdot \text{icu}^*$

Hue texts:

$u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB} \cdot \text{LAB}^*_{\text{Ma}}: 64 \ 21 \ 83$

$\text{LAB} \cdot \text{LCH}^*_{\text{Ma}}: 64 \ 86 \ 75$

$\text{lab} \cdot \text{rgb}^*_{\text{Ma}}: 1.0 \ 0.75 \ 0.0$

$\text{lab} \cdot \text{olv}^*_{\text{Ma}}: 1.0 \ 0.7 \ 0.0$

triangle lightness t^*

%Gamut

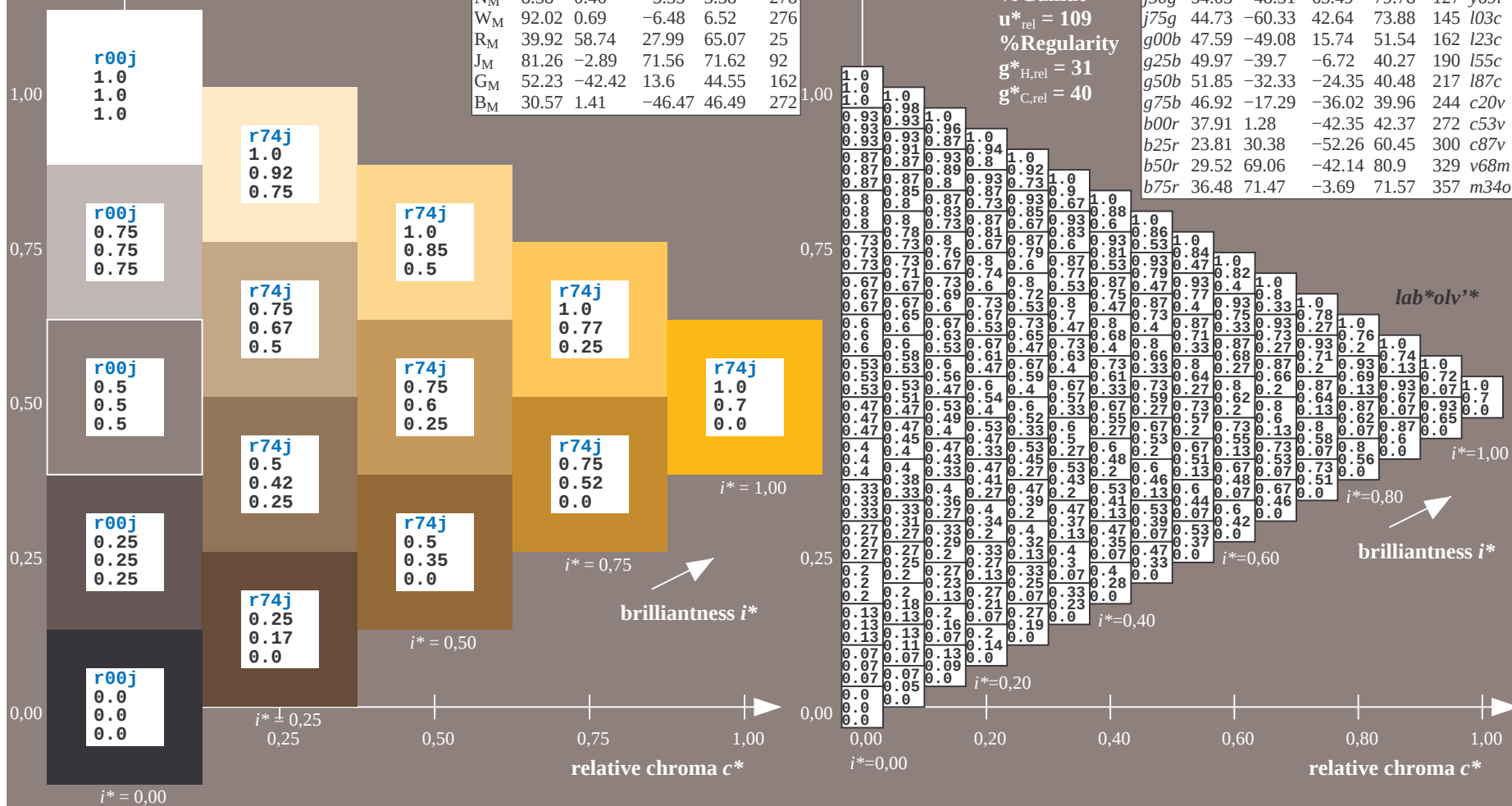
$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

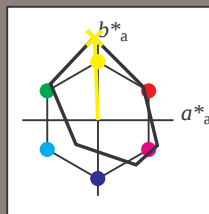
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

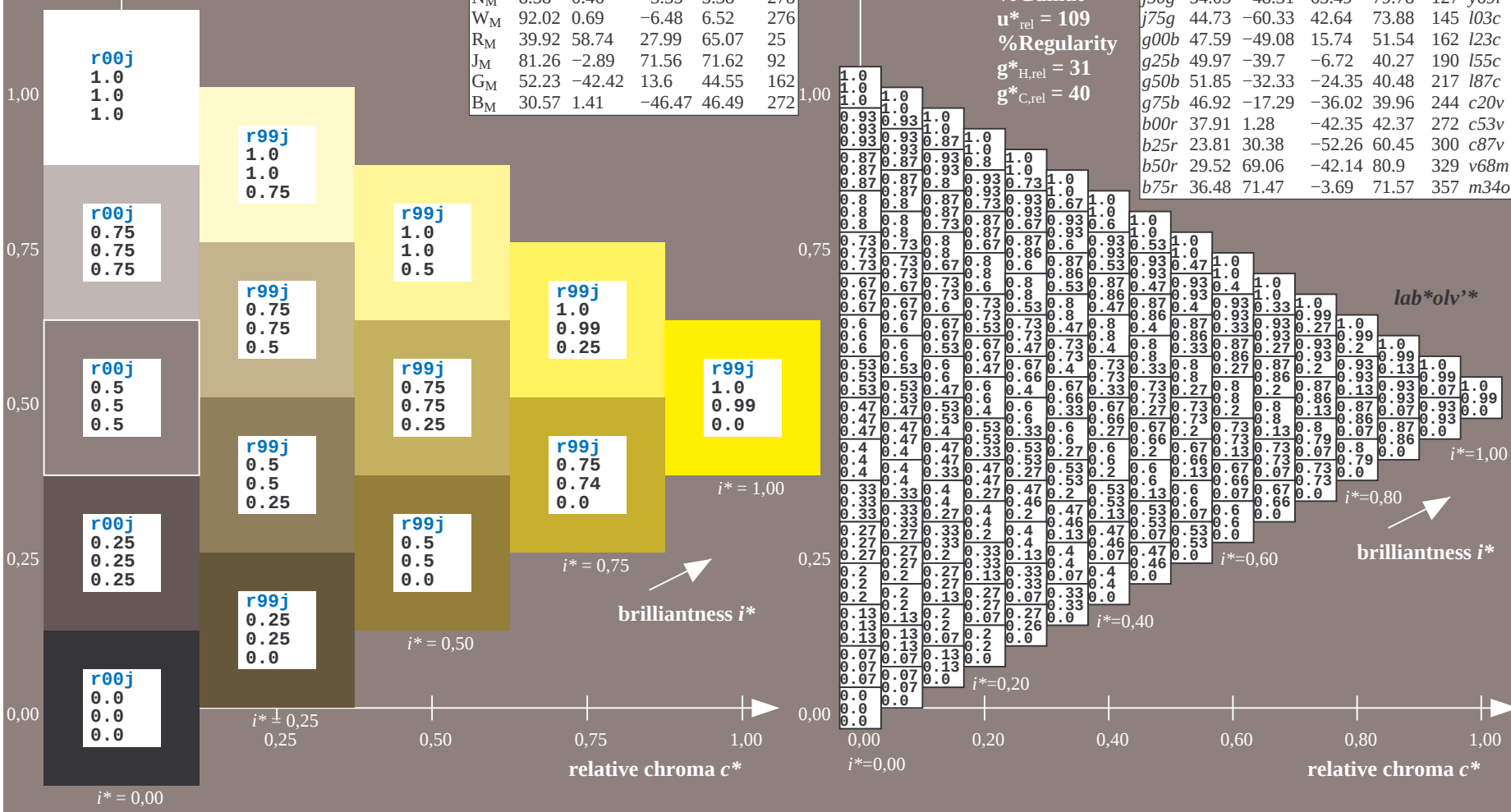
%Regularity

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

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

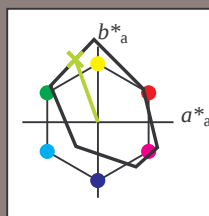
FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 67 -30 83

$LAB^*LCH^*_{Ma}$: 67 88 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

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

triangle lightness t^*

%Gamut

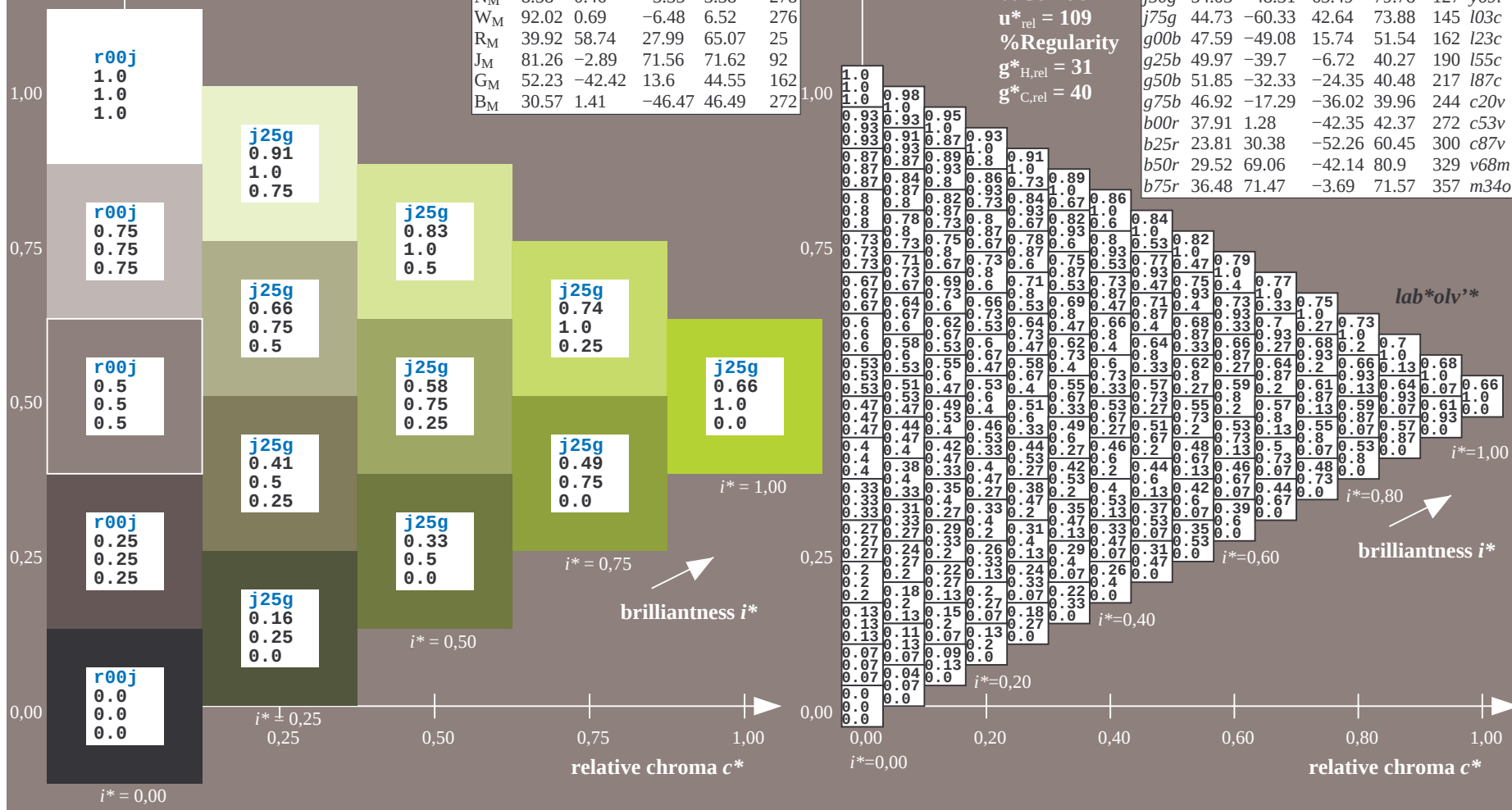
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42	$o10y$	
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110	$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127	$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145	$l03c$	
$g00b$	47.59	-49.08	15.74	51.54	162	$l23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190	$l55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217	$l87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

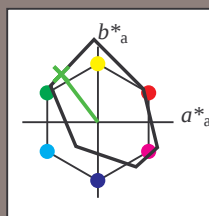
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 54 -48 63

$LAB^*LCH^*_{Ma}$: 54 80 127

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

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

% Gamut

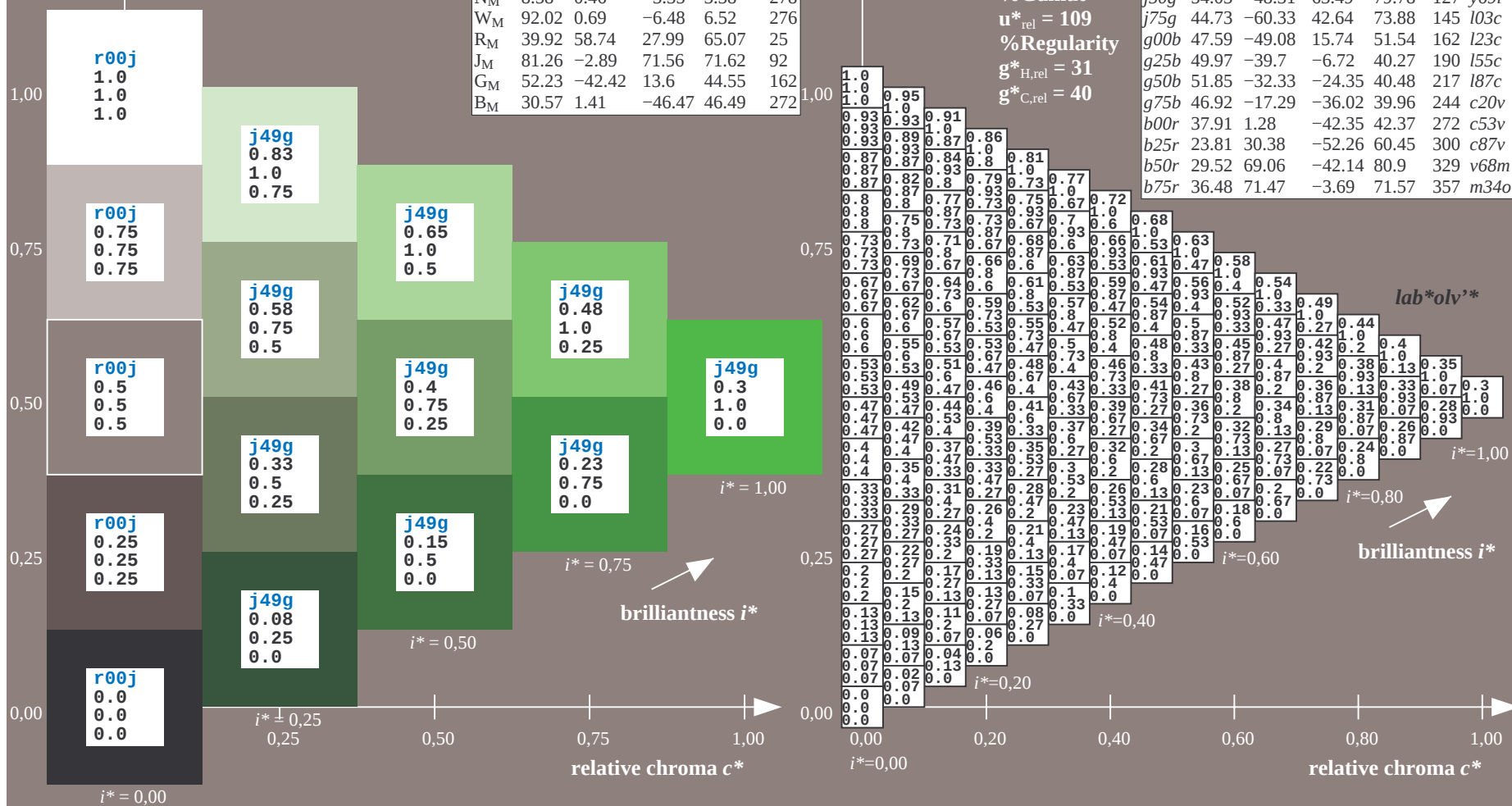
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
$r00j$	35.47	63.32	30.17	70.15	25		$m81o$		
$r25j$	39.12	54.56	49.45	73.64	42		$o10y$		
$r50j$	50.64	39.15	64.89	75.79	59		$o40y$		
$r75j$	64.01	21.26	82.83	85.52	76		$o69y$		
$j00g$	83.18	-4.38	108.53	108.62	92		$o98y$		
$j25g$	66.73	-29.89	83.06	88.28	110		$y34l$		
$j50g$	54.03	-48.31	63.49	79.78	127		$y69l$		
$j75g$	44.73	-60.33	42.64	73.88	145		$i03c$		
$g00b$	47.59	-49.08	15.74	51.54	162		$i23c$		
$g25b$	49.97	-39.7	-6.72	40.27	190		$i55c$		
$g50b$	51.85	-32.33	-24.35	40.48	217		$i87c$		
$g75b$	46.92	-17.29	-36.02	39.96	244		$c20v$		
$b00r$	37.91	1.28	-42.35	42.37	272		$c53v$		
$b25r$	23.81	30.38	-52.26	60.45	300		$c87v$		
$b50r$	29.52	69.06	-42.14	80.9	329		$v68m$		
$b75r$	36.48	71.47	-3.69	71.57	357		$m34o$		



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

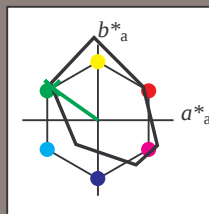
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 45 -60 43

$LAB^*LCH^*_{Ma}$: 45 74 144

$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.03

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

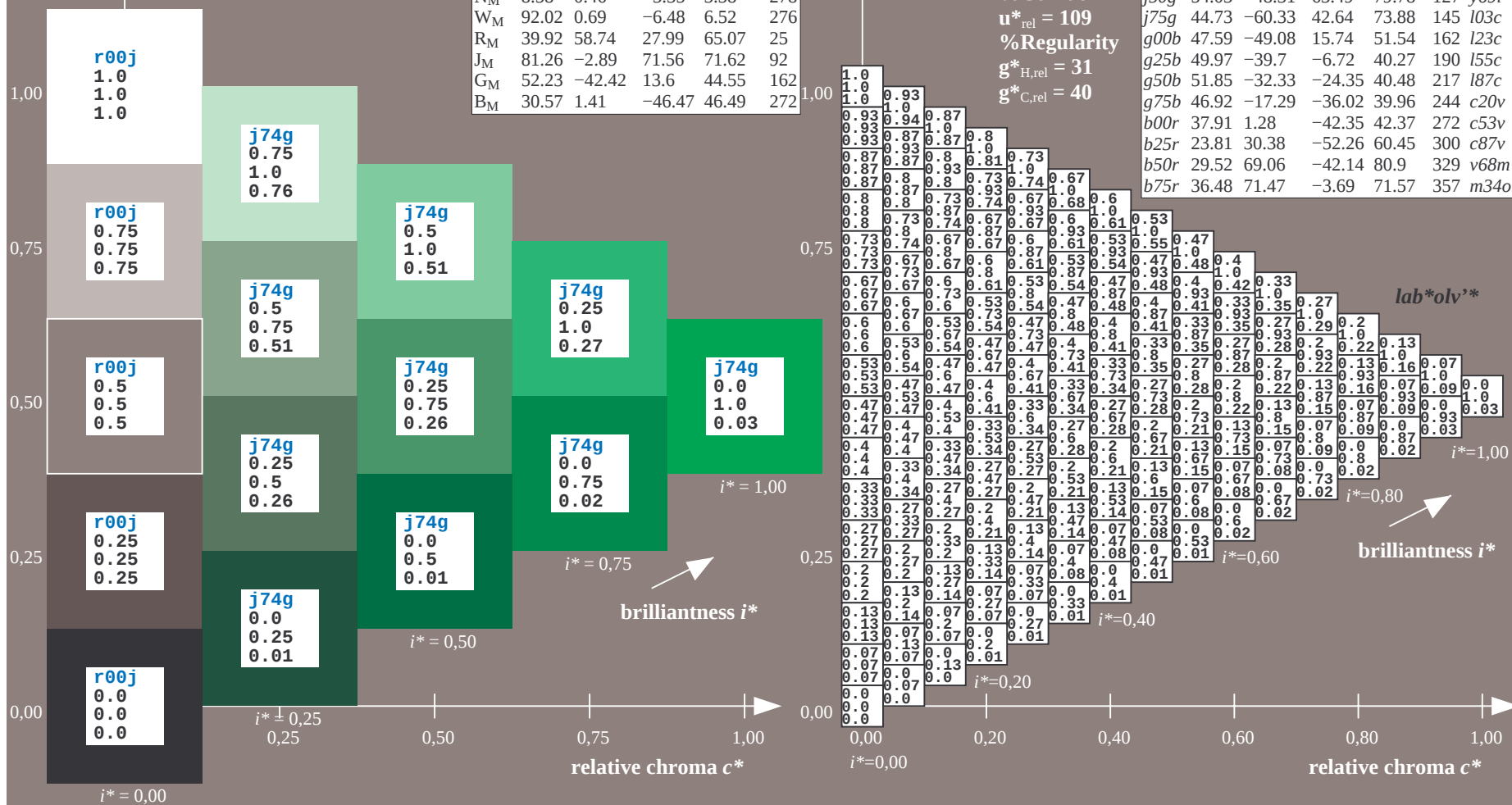
% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42	$o10v$	
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110	$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127	$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145	$i03c$	
$g00b$	47.59	-49.08	15.74	51.54	162	$i23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190	$i55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217	$i87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

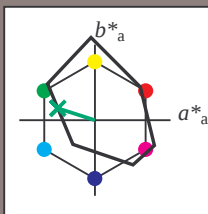
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 -49 16

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

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

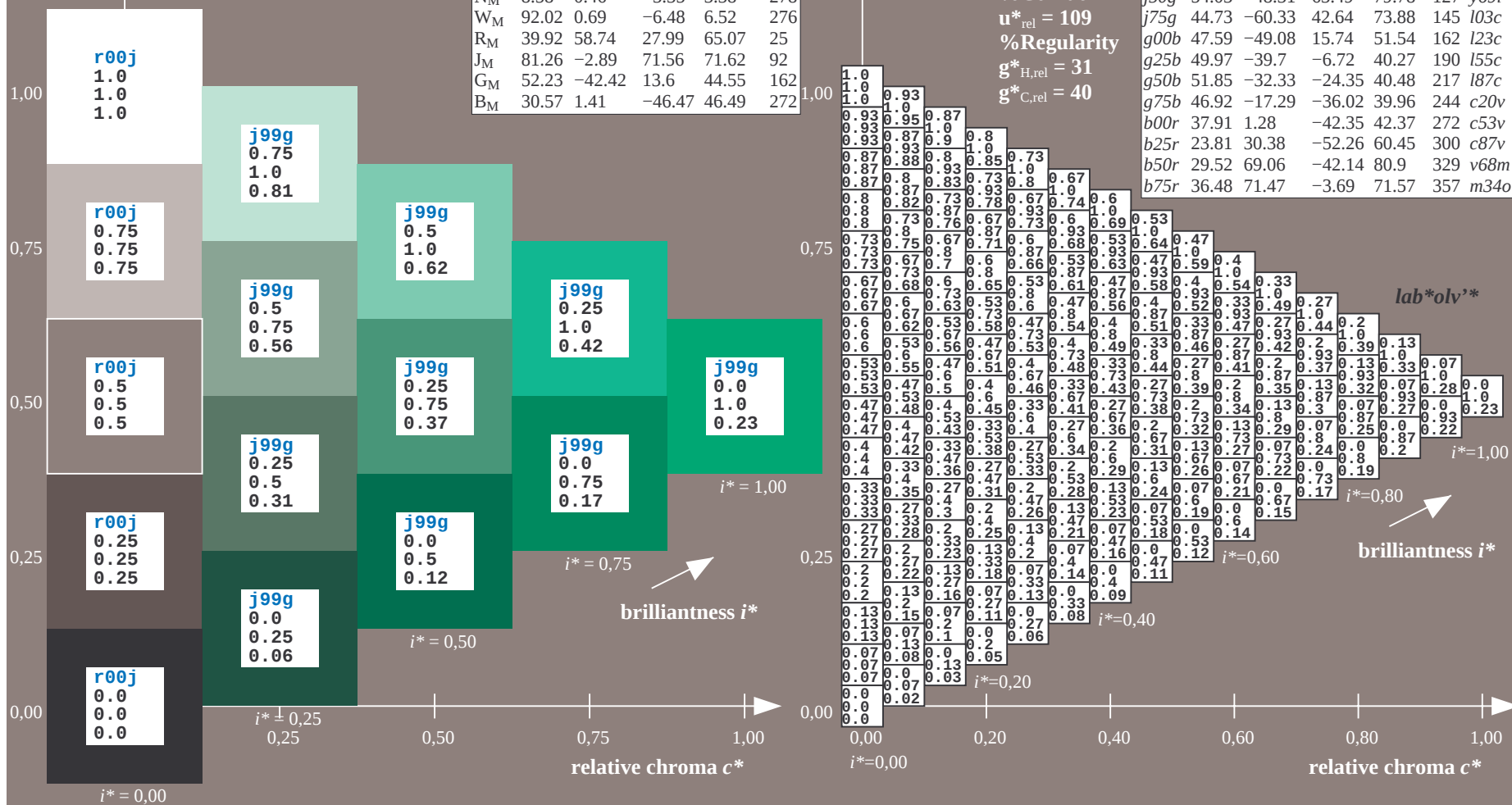
% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

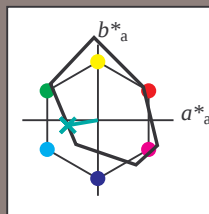
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 -40 -7

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

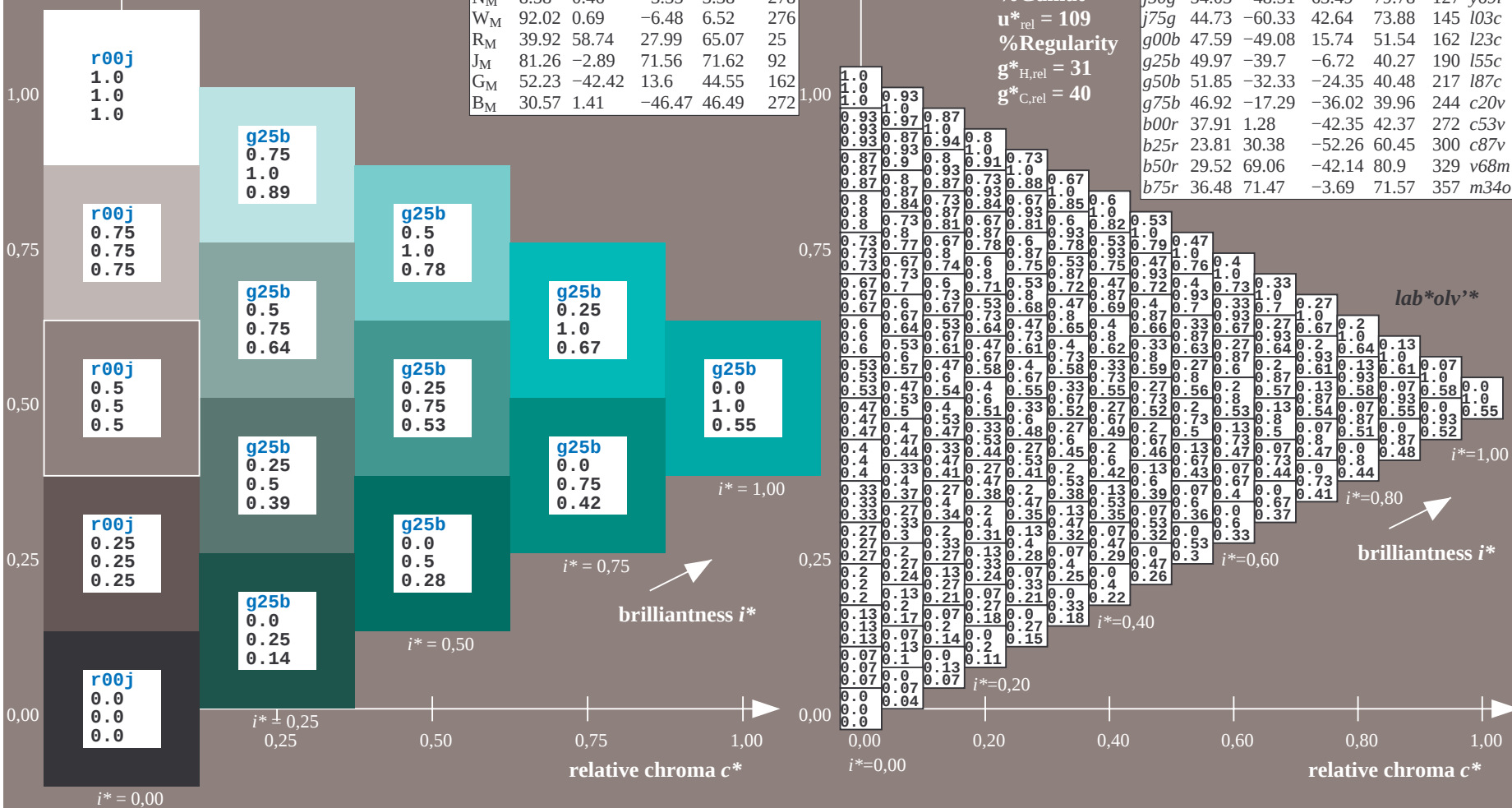
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.603$

data for any colour:

$\text{lab} \cdot \text{tch}^*$ and $\text{lab} \cdot \text{icu}^*$

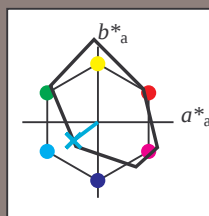
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB} \cdot \text{LAB}^*_{Ma}$: 52 -32 -24

$\text{LAB} \cdot \text{LCH}^*_{Ma}$: 52 40 216

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

$\text{lab} \cdot \text{olv}^*_{Ma}$: 0.0 1.0 0.87

triangle lightness t^*

%Gamut

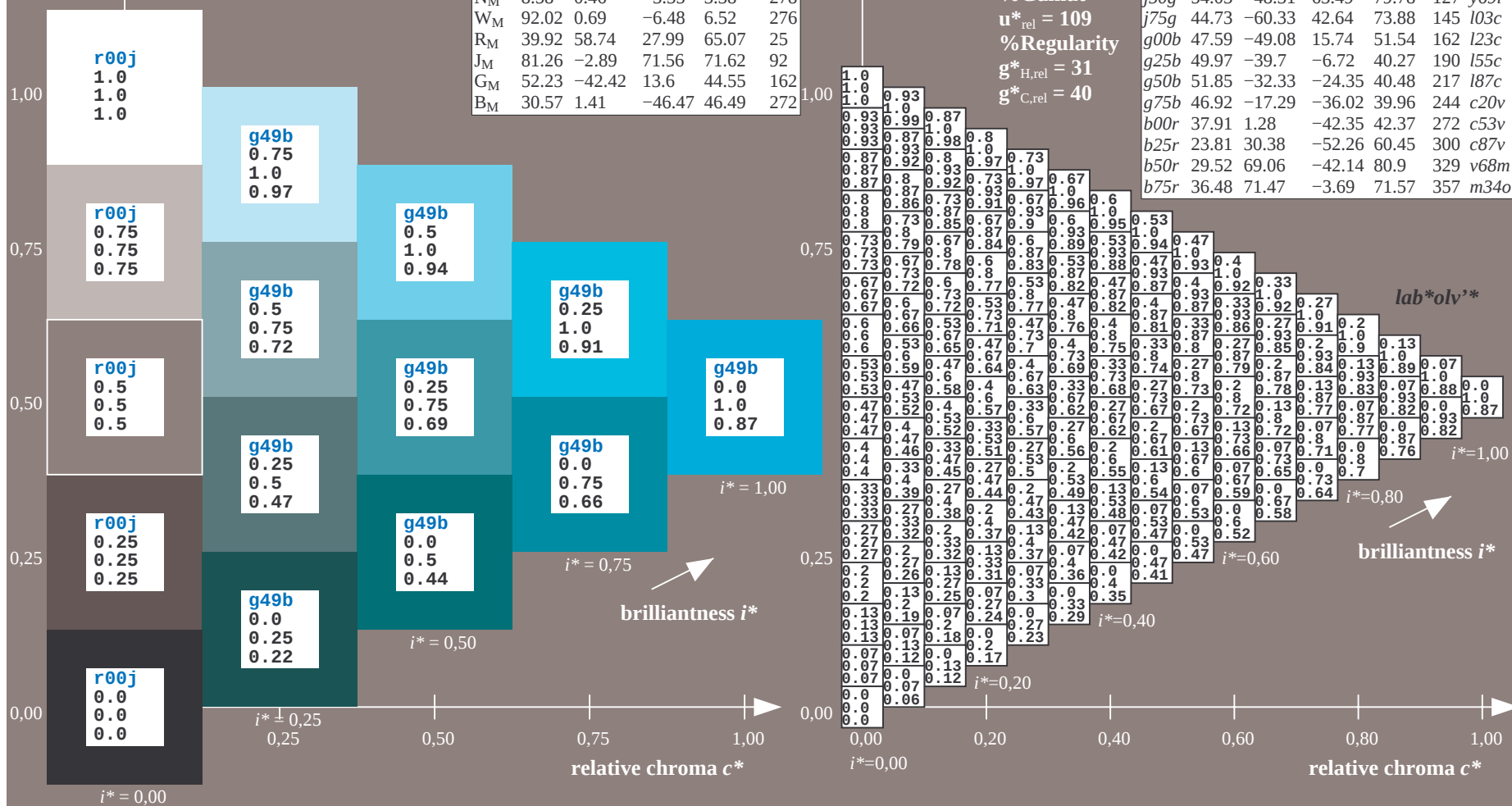
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
$r00j$	35.47	63.32	30.17	70.15	25			$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42			$o10y$	
$r50j$	50.64	39.15	64.89	75.79	59			$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76			$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92			$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110			$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127			$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145			$l03c$	
$g00b$	47.59	-49.08	15.74	51.54	162			$l23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190			$l55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217			$l87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244			$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272			$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300			$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329			$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357			$m34o$	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.679$

data for any colour:

$\text{lab} \cdot \text{tch}^*$ and $\text{lab} \cdot \text{icu}^*$

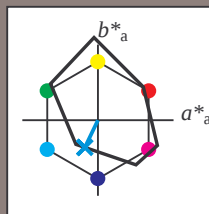
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB} \cdot \text{LAB}^*_{\text{Ma}}$: 47 -17 -36

$\text{LAB} \cdot \text{LCH}^*_{\text{Ma}}$: 47 40 244

$\text{lab} \cdot \text{rgb}^*_{\text{Ma}}$: 0.0 0.5 1.0

$\text{lab} \cdot \text{olv}^*_{\text{Ma}}$: 0.0 0.8 1.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 109$

%Regularity

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

$g^*_{C,\text{rel}} = 40$

FRS09_92a; adapted (a) CIELAB data

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

$\text{lab} \cdot \text{olv}^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

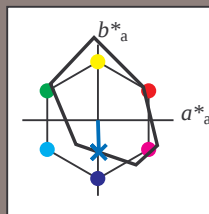
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 1 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

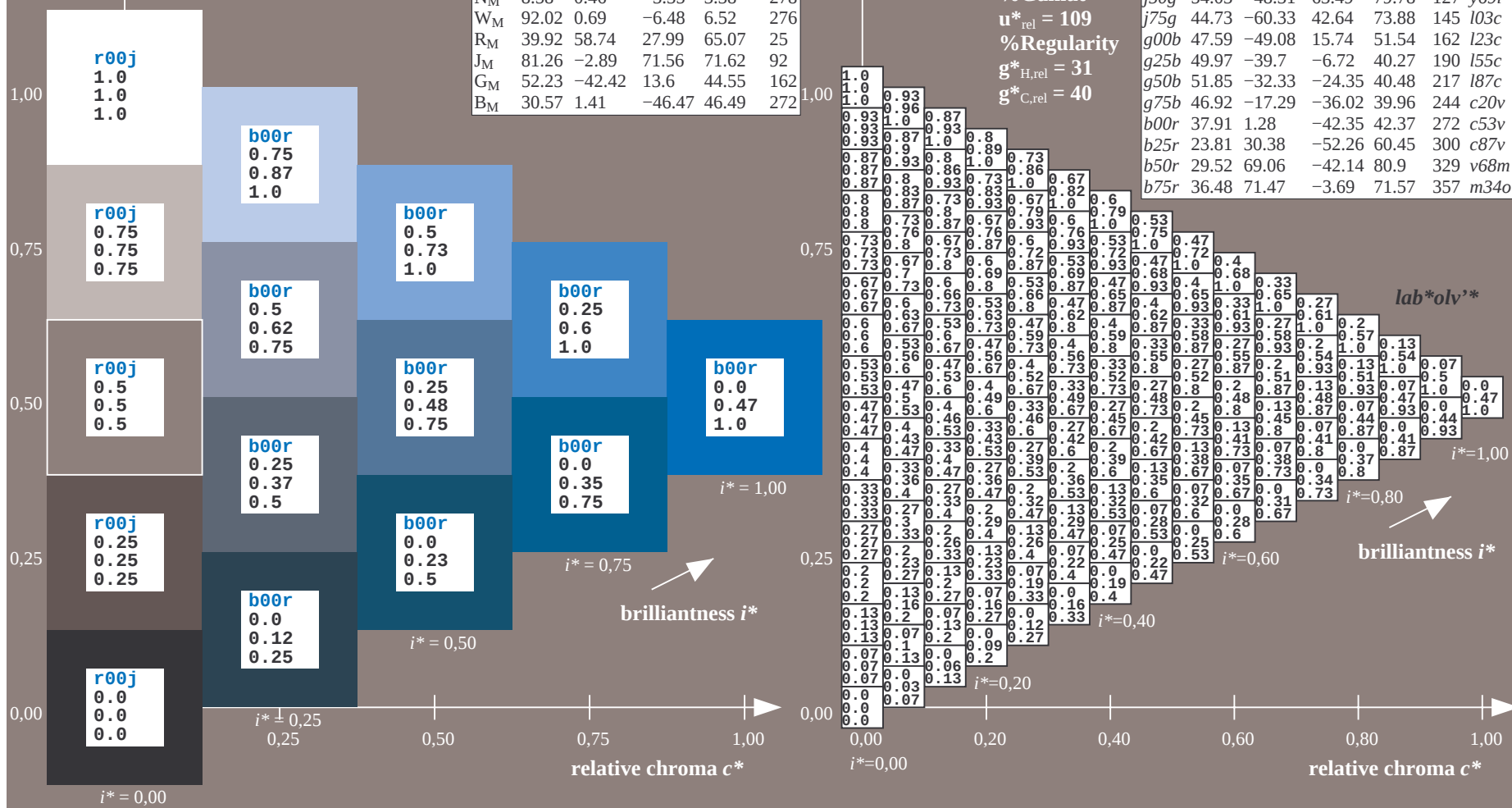
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

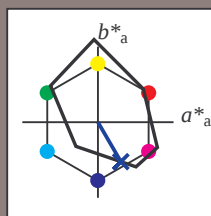
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 24 30 -52

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

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

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

triangle lightness t^*

%Gamut

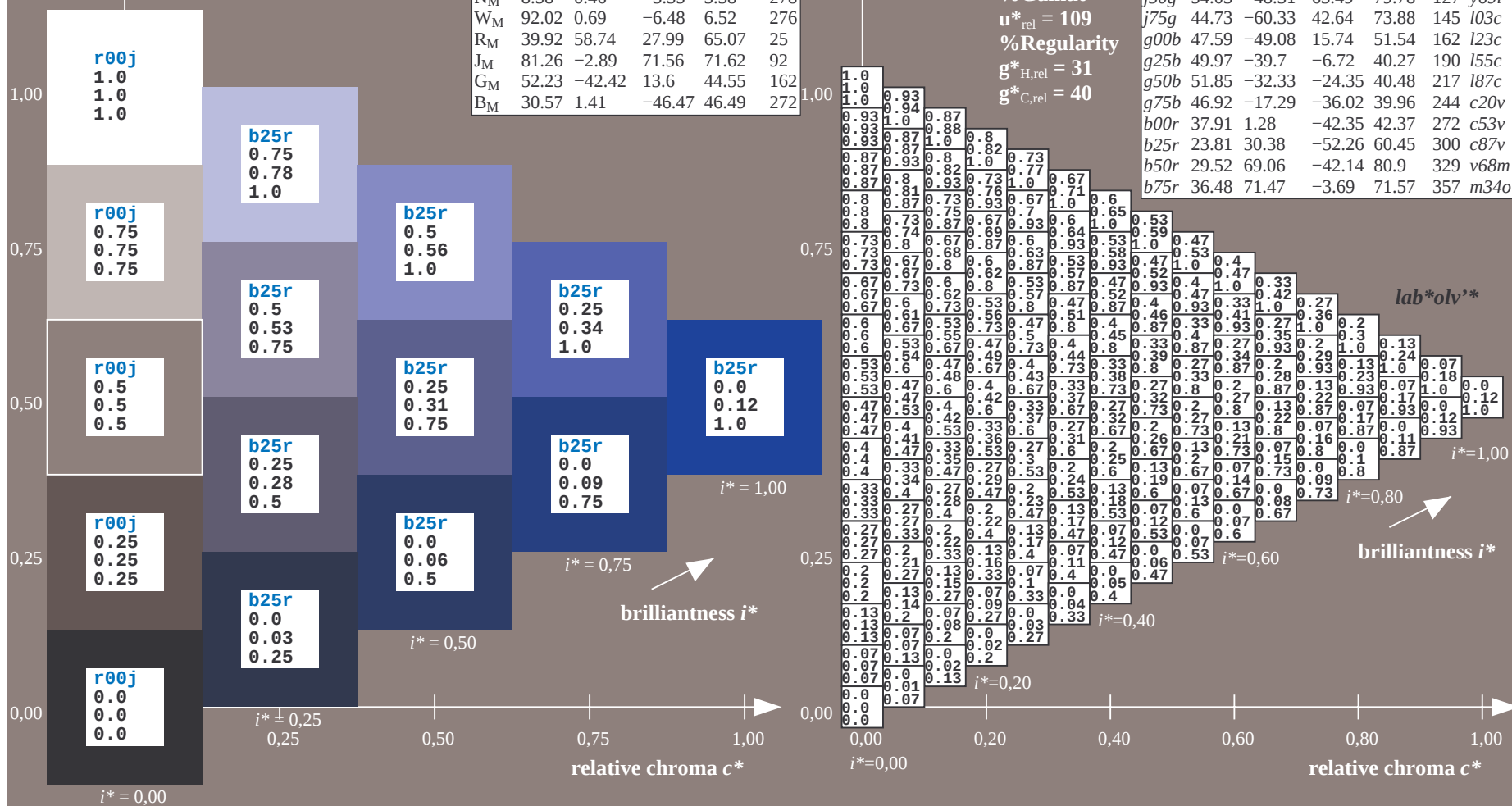
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

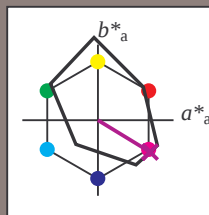
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 30 69 -42

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

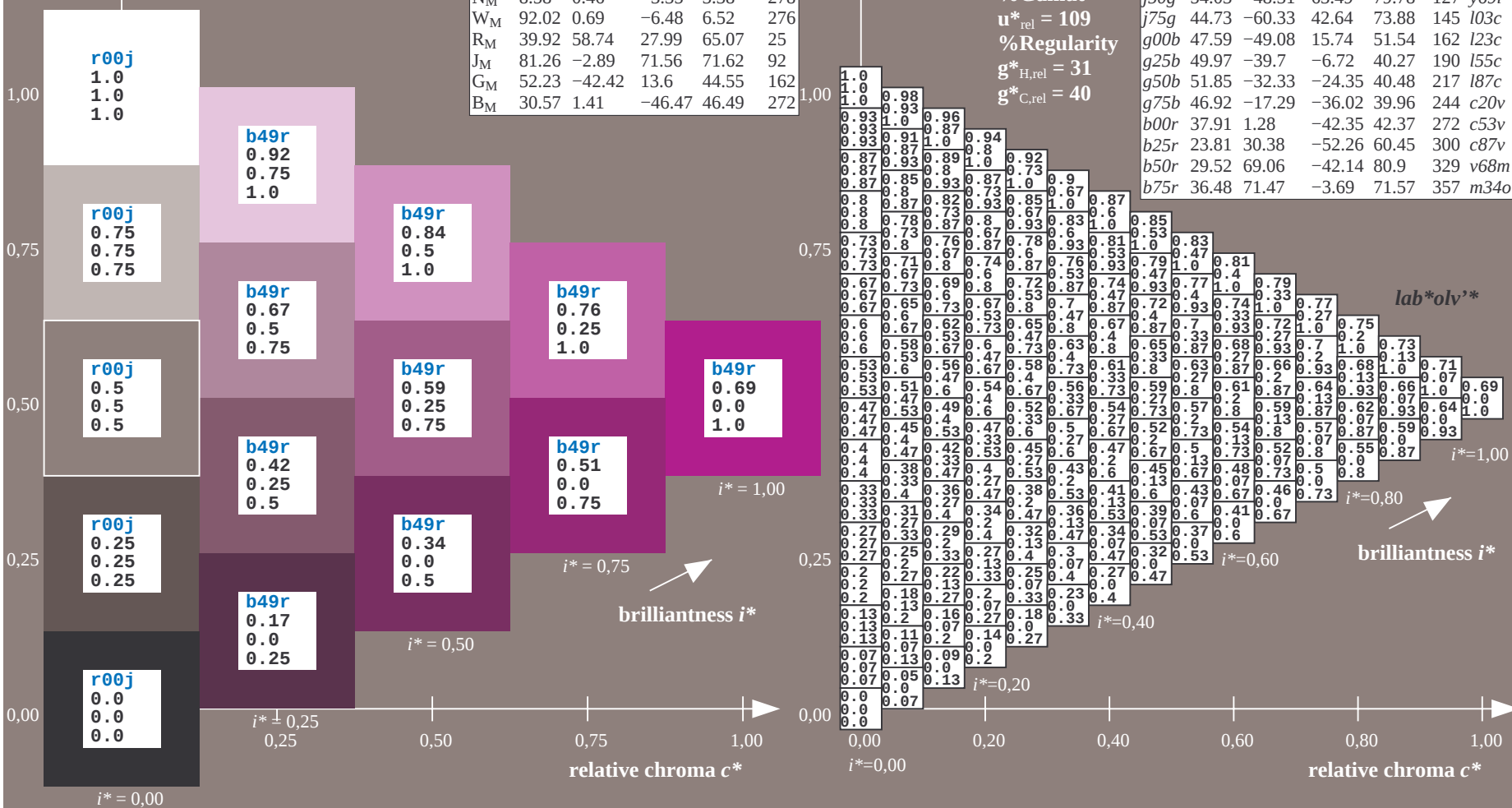
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

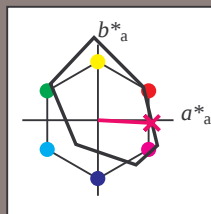
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

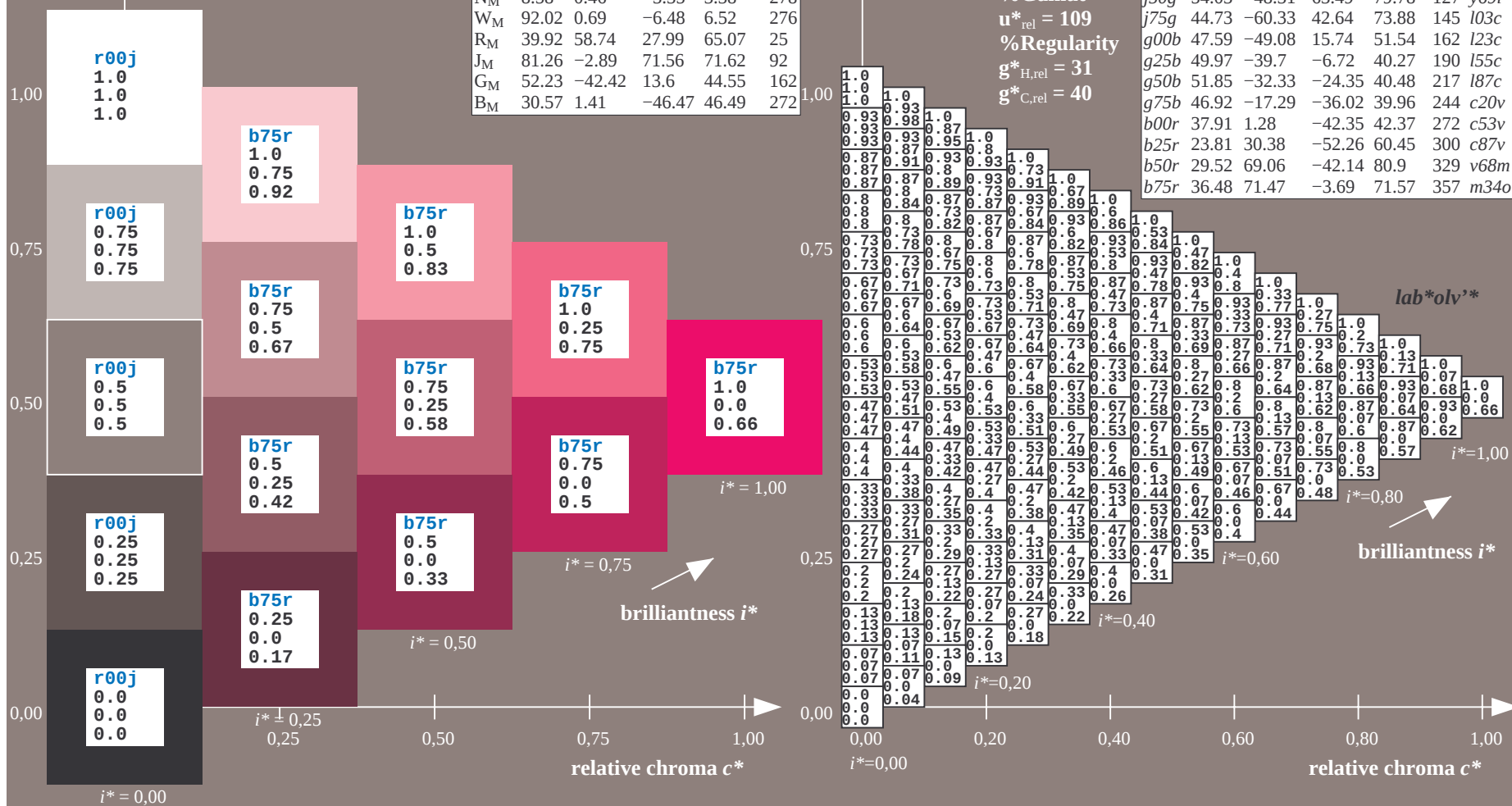
%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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



BAM-test chart Ee36; Colorimetric systems, Page 180/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75$

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

BAM registration: 20081001-Ec36/10L/L36E00NP.PS/.PDF BAM material: code=rh4ta4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1.1, ColSpx=0

Version 2.1, io=1,1, ColSpx=0

See for similar files: <http://www.ps.bam.de/Ee36/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1.1, ColSpx=0

Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:

u^*_e and number $no.$ = 00 .. 15

elementary hue text:

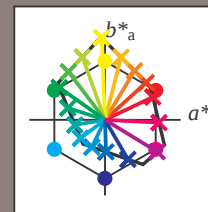
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data

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



%Gamut

$u^*_{rel} = 109$

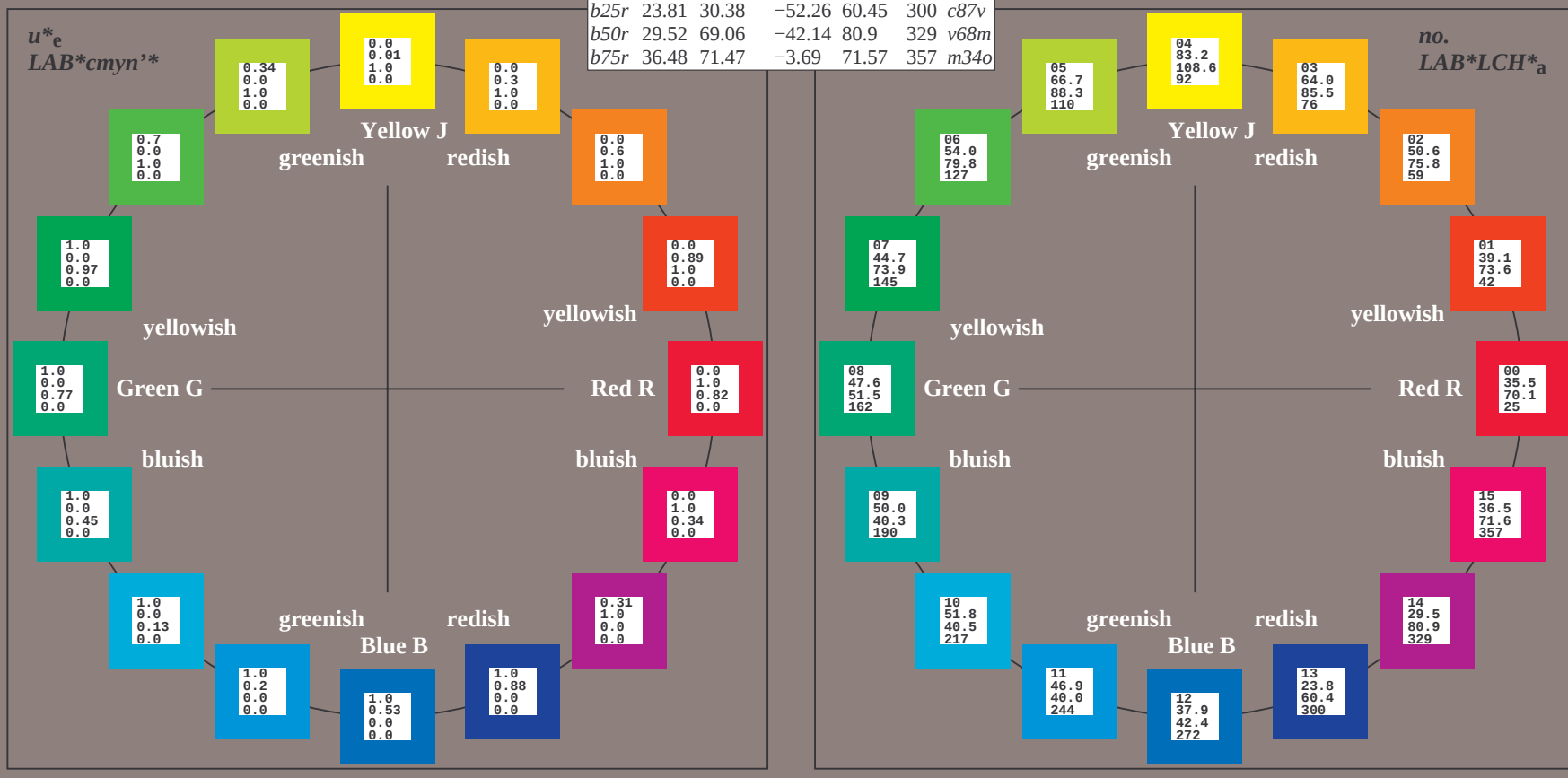
%Regularity

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

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

FRS09_92a; CIELAB data

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



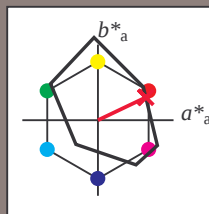
Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.071$ data for any colour:

$u_e^* = r00j$
 $LAB^*cmyn'^*$

Hue texts:

$$u^*_e = r00j \quad u^*_d = m81o$$

contrast reduction factor:

 $c_D = 1.0$ triangle lightness t^* 

FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	143	
C _M	52.66	-28.56	-36.99	46.73	233	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	270	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	167	
B _M	30.57	1.41	-46.47	46.49	273	

Data for maximum colour (Ma):

LAB*LAB* M_{max} : 35 63 30

LAB LAB Ma. 55 65 50
LAB*LGH* 25 50 25

LAB*LCH*Ma: 35 70 23

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

*lab*olv**Ma: 1.0 0.0 0.18

triangle lightness t^*

triangle lightness 1

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 109$$

%Regular

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

FRS09_92a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
<i>r00j</i>	35.47	63.32	30.17	70.15	25	<i>m81c</i>	
<i>r25j</i>	39.12	54.56	49.45	73.64	42	<i>o10y</i>	
<i>r50j</i>	50.64	39.15	64.89	75.79	59	<i>o40y</i>	
<i>r75j</i>	64.01	21.26	82.83	85.52	76	<i>o69y</i>	
<i>j00g</i>	83.18	-4.38	108.53	108.62	92	<i>o98y</i>	
<i>j25g</i>	66.73	-29.89	83.06	88.28	110	<i>y34l</i>	
<i>j50g</i>	54.03	-48.31	63.49	79.78	127	<i>y69l</i>	
<i>j75g</i>	44.73	-60.33	42.64	73.88	145	<i>l03c</i>	
<i>g00b</i>	47.59	-49.08	15.74	51.54	162	<i>l23c</i>	
<i>g25b</i>	49.97	-39.7	-6.72	40.27	190	<i>l55c</i>	
<i>g50b</i>	51.85	-32.33	-24.35	40.48	217	<i>l87c</i>	
<i>g75b</i>	46.92	-17.29	-36.02	39.96	244	<i>c20v</i>	
<i>b00r</i>	37.91	1.28	-42.35	42.37	272	<i>c53v</i>	
<i>b25r</i>	23.81	30.38	-52.26	60.45	300	<i>c87v</i>	
<i>b50r</i>	29.52	69.06	-42.14	80.9	329	<i>v68m</i>	
<i>b75r</i>	36.48	71.47	-3.69	71.57	357	<i>m34c</i>	

*LAB*cmvn***

brilliantness *i**

51. *Healthcare*

[illegible]

1000

0,80 1,00

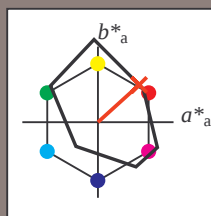
relative chroma c^*

BAM-test chart Ee36; Colorimetric systems, Page 182/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

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

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 39 55 49

LAB^*LCH^*Ma : 39 74 42

lab^*rgb^*Ma : 1.0 0.25 0.0

lab^*olv^*Ma : 1.0 0.11 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42	$o10y$	
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110	$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127	$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145	$l03c$	
$g00b$	47.59	-49.08	15.74	51.54	162	$l23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190	$l55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217	$l87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$	

$LAB^*cmy^n^*$

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

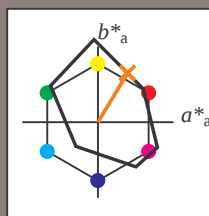
Hue texts:

$u^*_e = r50j$ $u^*_d = o40y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 51 39 65

LAB^*LCH^*Ma : 51 76 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

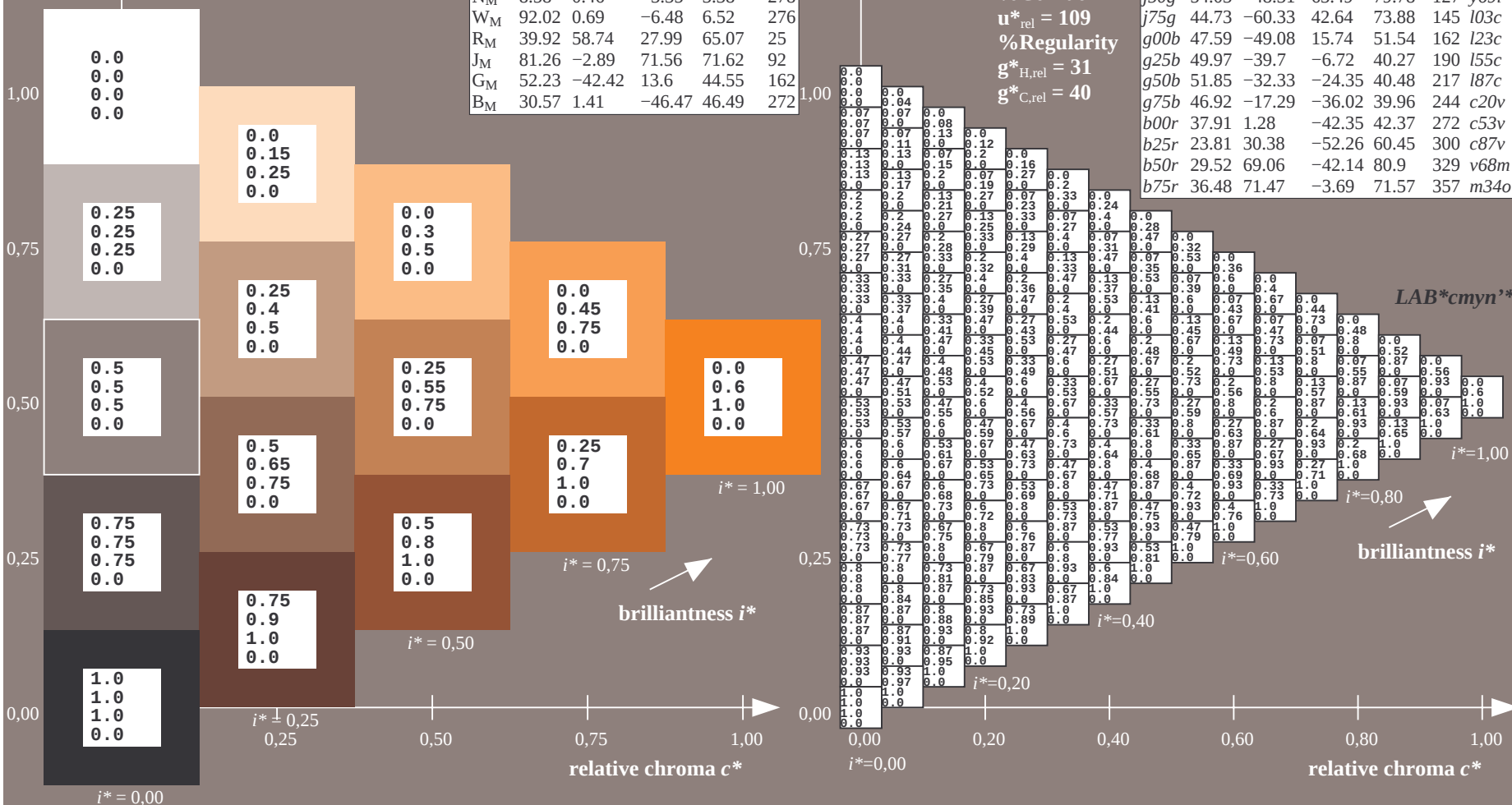
$u^*_{rel} = 109$

%Regularity

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

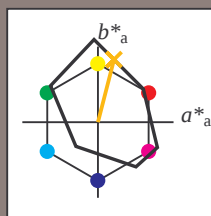
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 21 83

$LAB^*LCH^*_{Ma}$: 64 86 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42	$o10y$	
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110	$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127	$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145	$i03c$	
$g00b$	47.59	-49.08	15.74	51.54	162	$i23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190	$i55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217	$i87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$	

$LAB^*cmy^n^*$

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

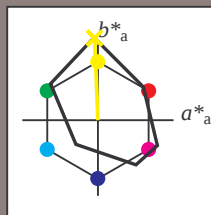
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 83 -4 109

$LAB^*LCH^*_{Ma}$: 83 109 92

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

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

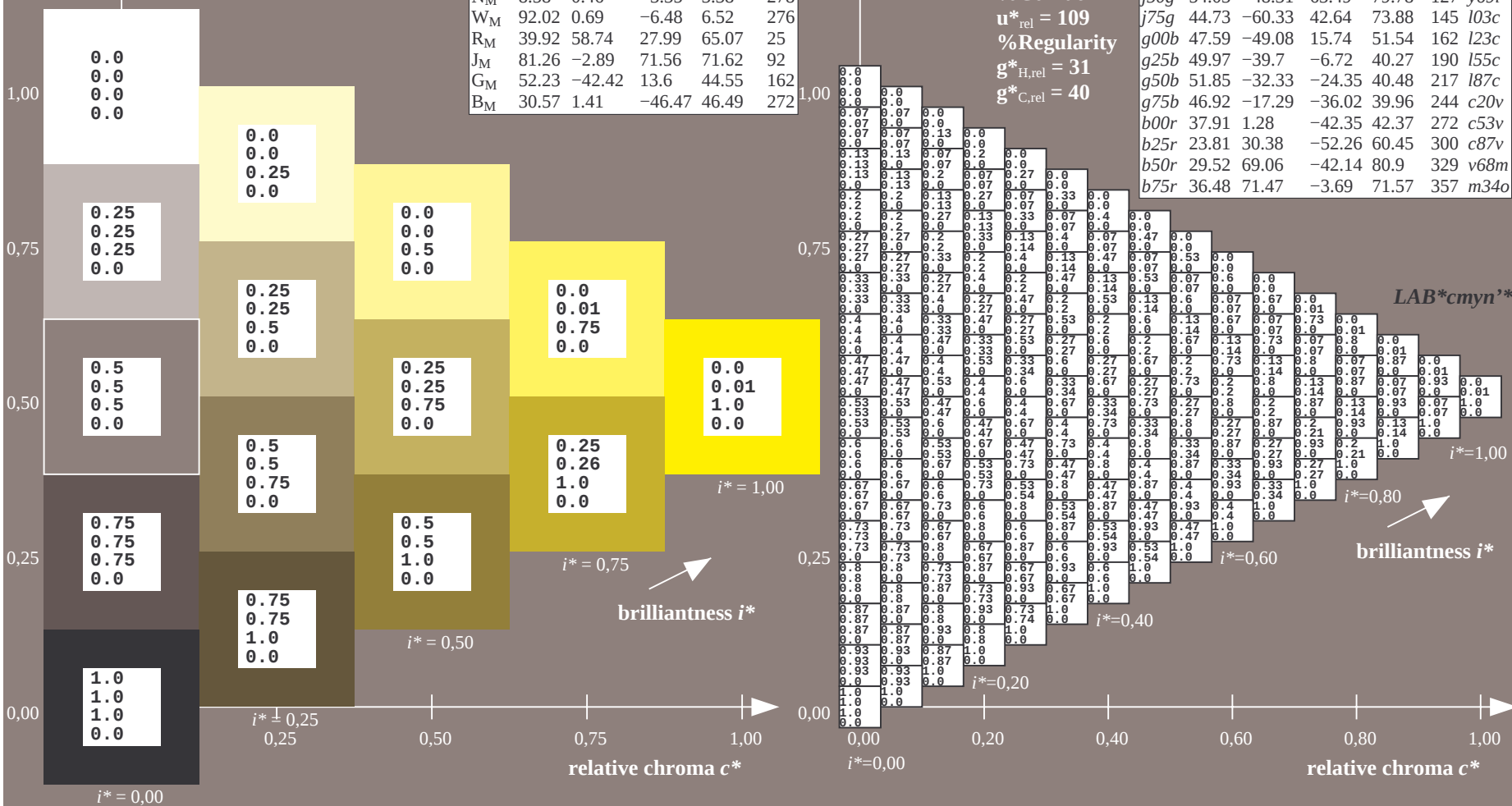
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

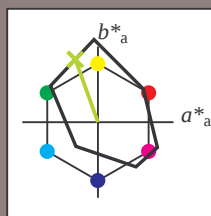
Hue texts:

$u^*_e = j25g$ $u^*_d = y34l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 67 -30 83

LAB^*LCH^*Ma : 67 88 109

lab^*rgb^*Ma : 0.75 1.0 0.0

lab^*olv^*Ma : 0.66 1.0 0.0

triangle lightness t^*

%Gamut

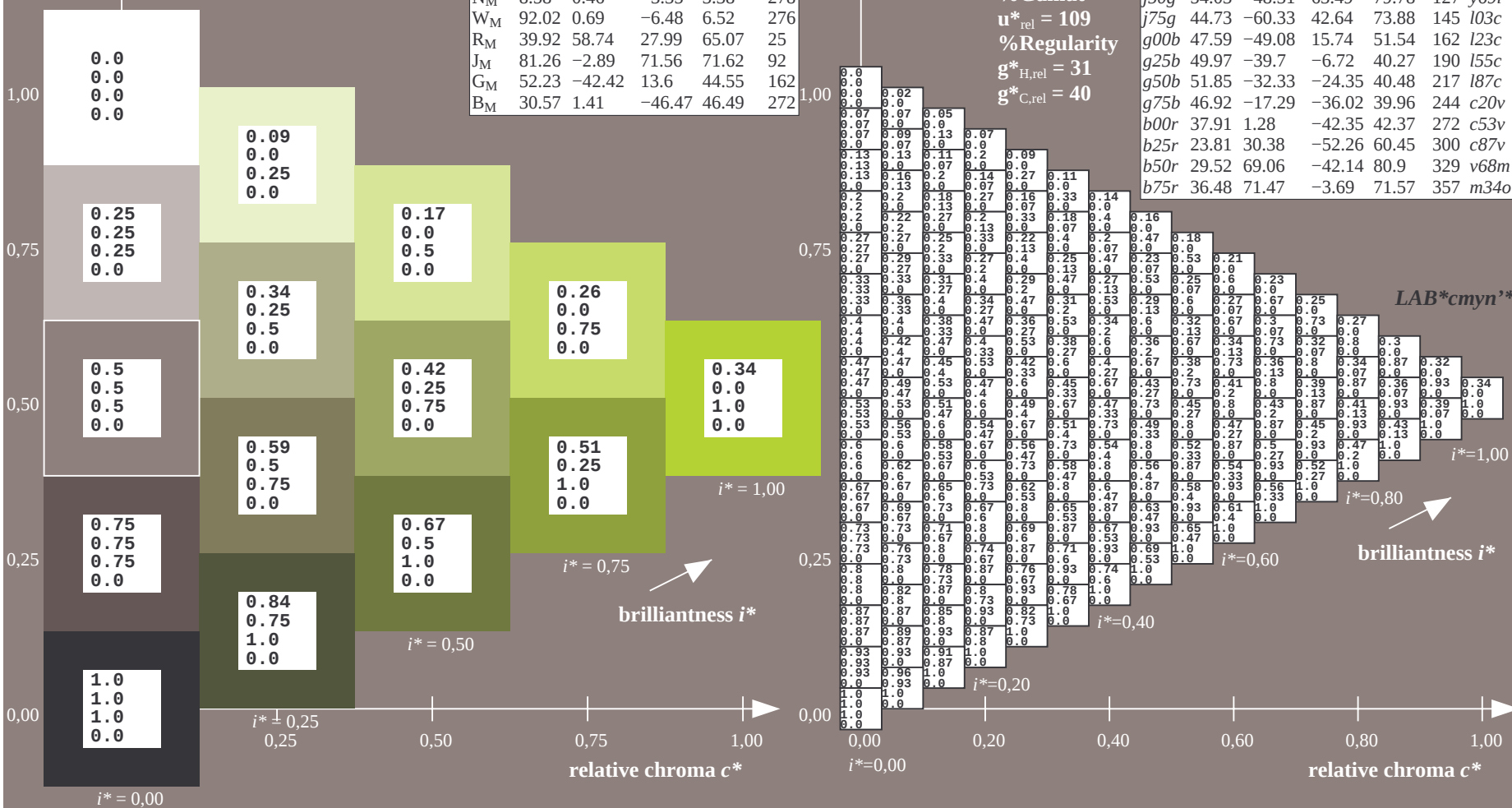
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

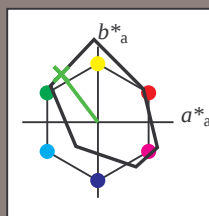
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	35.06	60.53	39.66	72.37	33	
Y_M	83.77	-4.5	103.15	103.25	92	
L_M	44.13	-62.11	43.56	75.86	145	
C_M	52.66	-28.56	-36.99	46.73	232	
V_M	14.15	50.78	-62.6	80.61	309	
M_M	37.37	79.18	-37.93	87.8	334	
N_M	8.58	0.46	-3.35	3.38	278	
W_M	92.02	0.69	-6.48	6.52	276	
R_M	39.92	58.74	27.99	65.07	25	
J_M	81.26	-2.89	71.56	71.62	92	
G_M	52.23	-42.42	13.6	44.55	162	
B_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 54 -48 63

$LAB^*LCH^*_Ma$: 54 80 127

$lab^*rgb^*_Ma$: 0.5 1.0 0.0

$lab^*olv^*_Ma$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

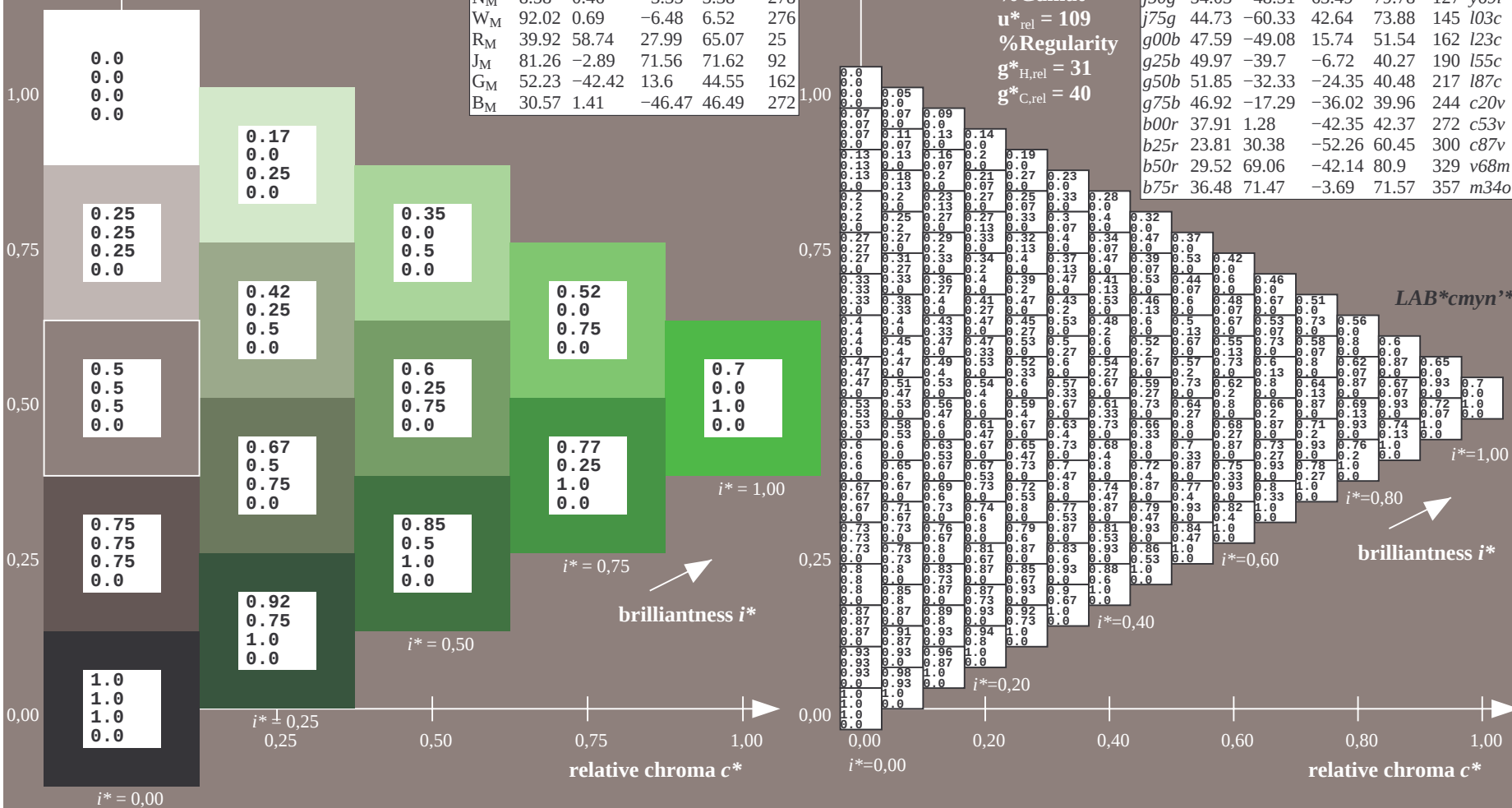
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$	
$r25j$	39.12	54.56	49.45	73.64	42	$o10y$	
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$	
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$	
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$	
$j25g$	66.73	-29.89	83.06	88.28	110	$y34l$	
$j50g$	54.03	-48.31	63.49	79.78	127	$y69l$	
$j75g$	44.73	-60.33	42.64	73.88	145	$i03c$	
$g00b$	47.59	-49.08	15.74	51.54	162	$i23c$	
$g25b$	49.97	-39.7	-6.72	40.27	190	$i55c$	
$g50b$	51.85	-32.33	-24.35	40.48	217	$i87c$	
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$	
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$	
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$	
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$	
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

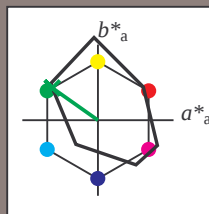
Hue texts:

$u^*_e = j75g$ $u^*_d = i03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 45 -60 43

LAB^*LCH^*Ma : 45 74 144

lab^*rgb^*Ma : 0.25 1.0 0.0

lab^*olv^*Ma : 0.0 1.0 0.03

triangle lightness t^*

%Gamut

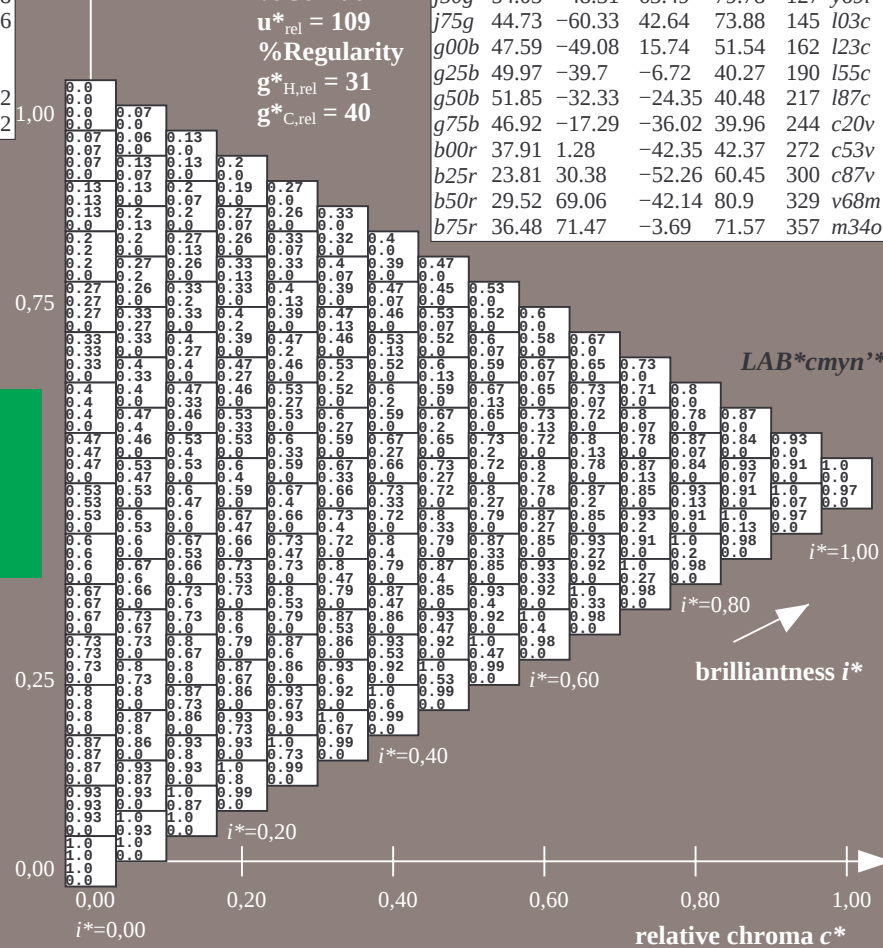
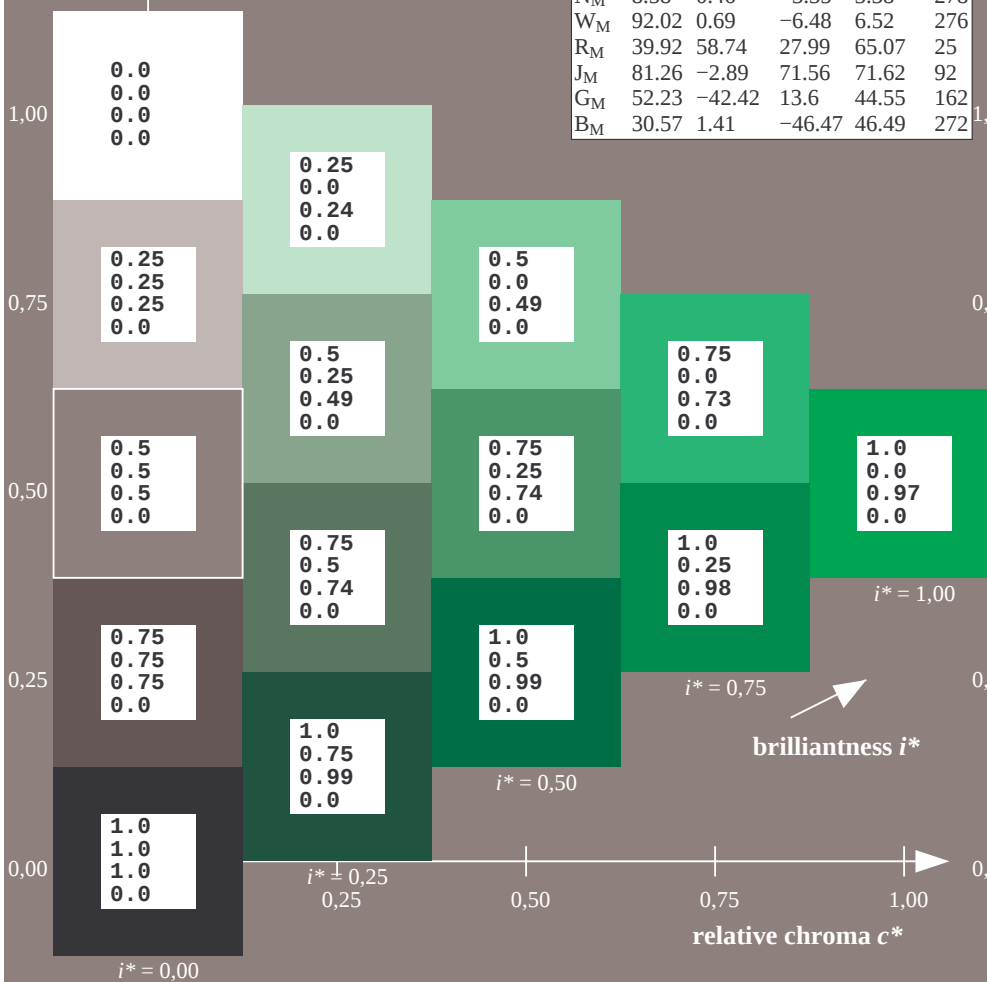
$u^*_{rel} = 109$

%Regularity

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

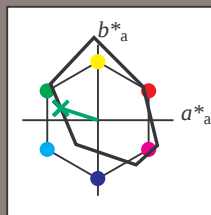
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	i03c	
g00b	47.59	-49.08	15.74	51.54	162	i23c	
g25b	49.97	-39.7	-6.72	40.27	190	i55c	
g50b	51.85	-32.33	-24.35	40.48	217	i87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = l23c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 48 -49 16

LAB^*LCH^*Ma : 48 52 162

lab^*rgb^*Ma : 0.0 1.0 0.0

lab^*olv^*Ma : 0.0 1.0 0.23

triangle lightness t^*

%Gamut

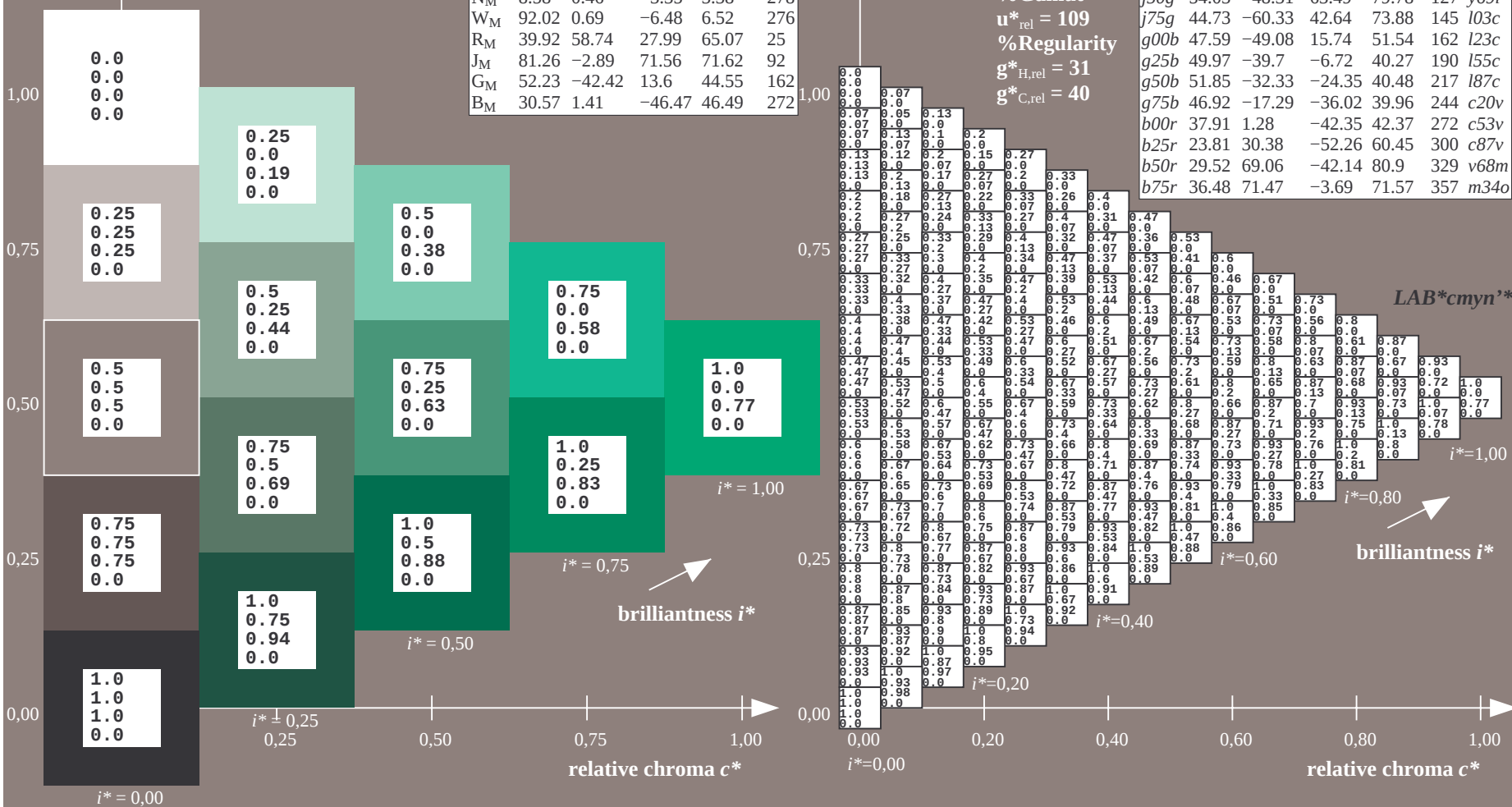
$u^*_{rel} = 109$

%Regularity

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

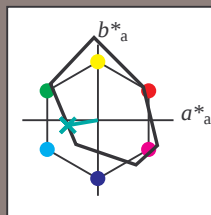
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l55c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 50 -40 -7

LAB^*LCH^*Ma : 50 40 189

lab^*rgb^*Ma : 0.0 1.0 0.5

lab^*olv^*Ma : 0.0 1.0 0.55

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

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

LAB^*cmyn^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

brilliantness i^*

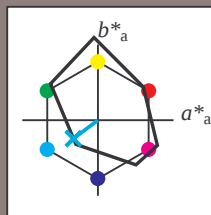
relative chroma c^*

$i^* = 0.00$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l87c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 52 -32 -24

LAB^*LCH^*Ma : 52 40 216

lab^*rgb^*Ma : 0.0 1.0 1.0

lab^*olv^*Ma : 0.0 1.0 0.87

triangle lightness t^*

%Gamut

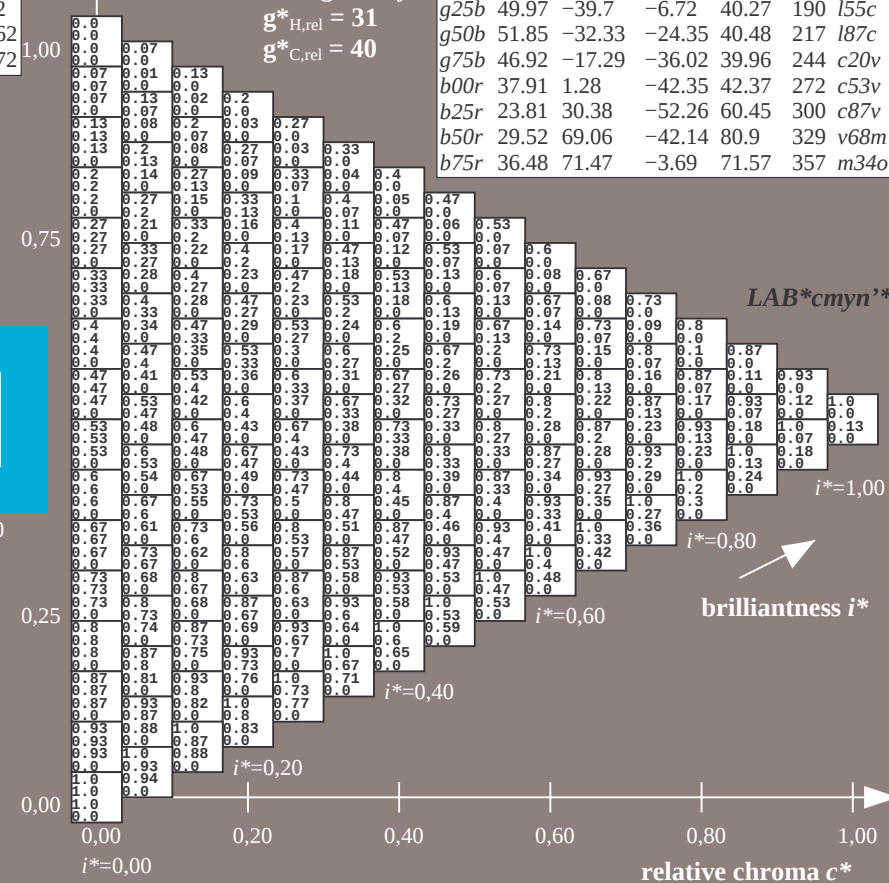
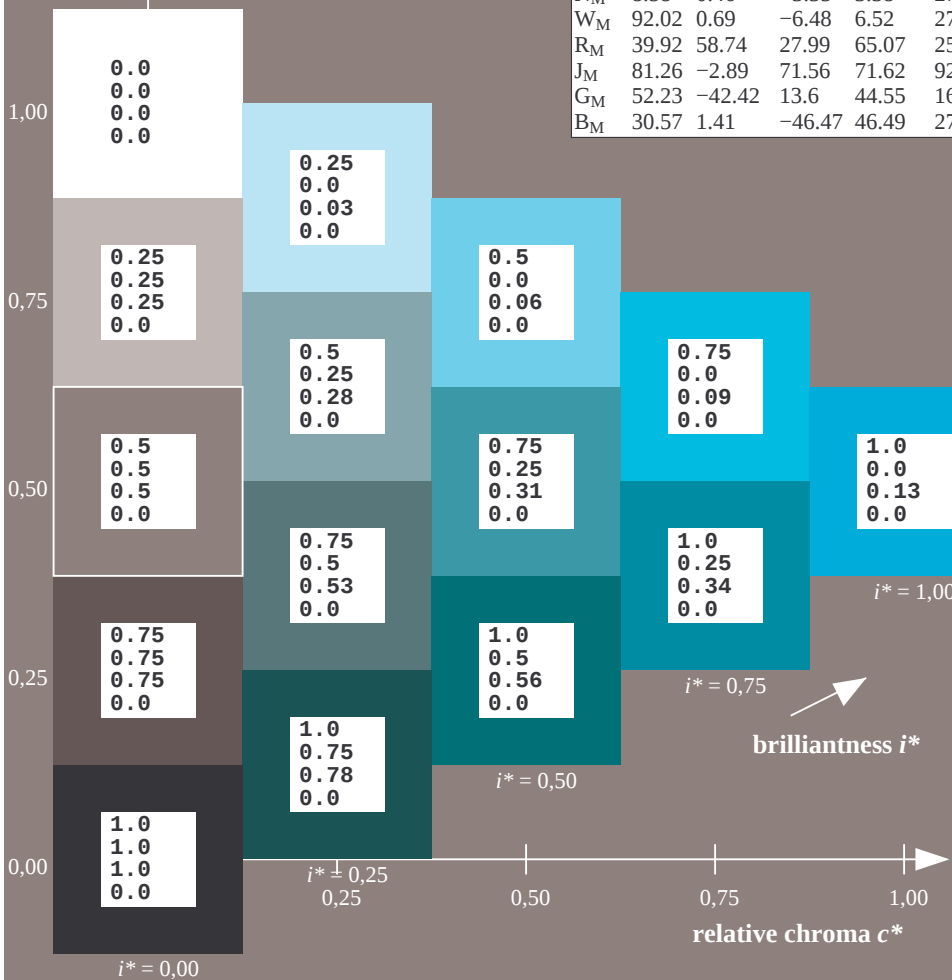
$u^*_{rel} = 109$

%Regularity

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

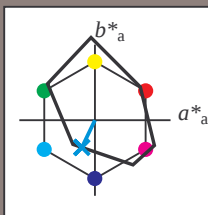
$g^*_{C,rel} = 40$

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	214	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c20v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 47 -17 -36

LAB^*LCH^*Ma : 47 40 244

lab^*rgb^*Ma : 0.0 0.5 1.0

lab^*olv^*Ma : 0.0 0.8 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

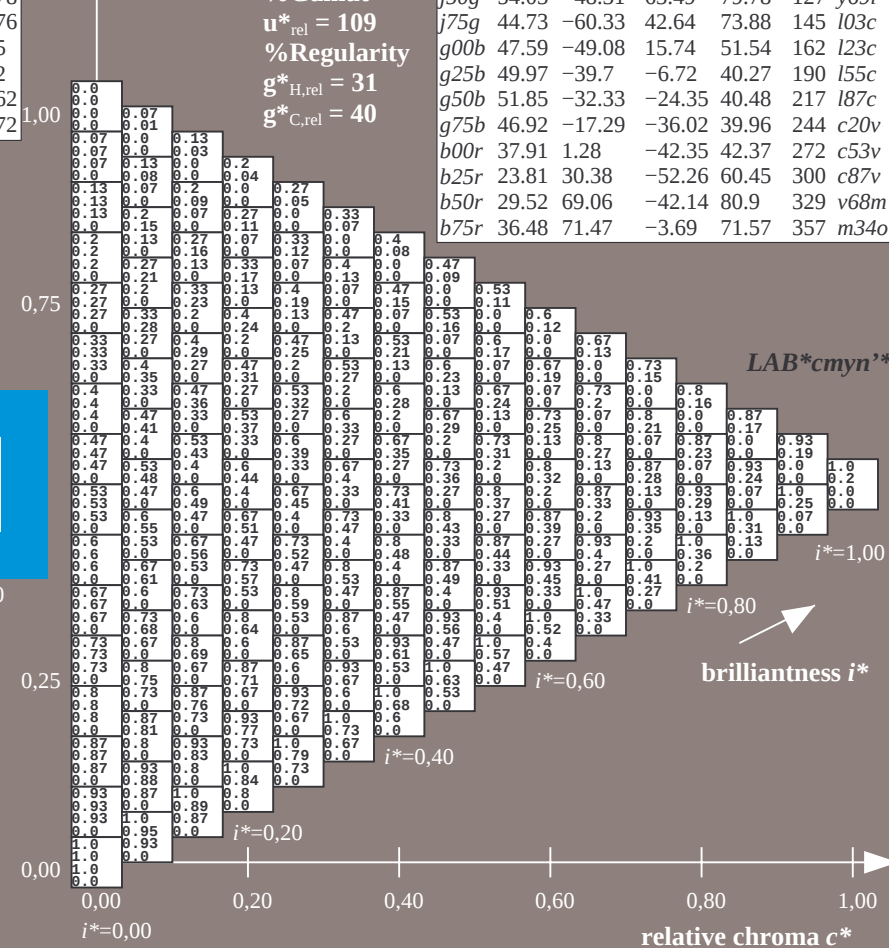
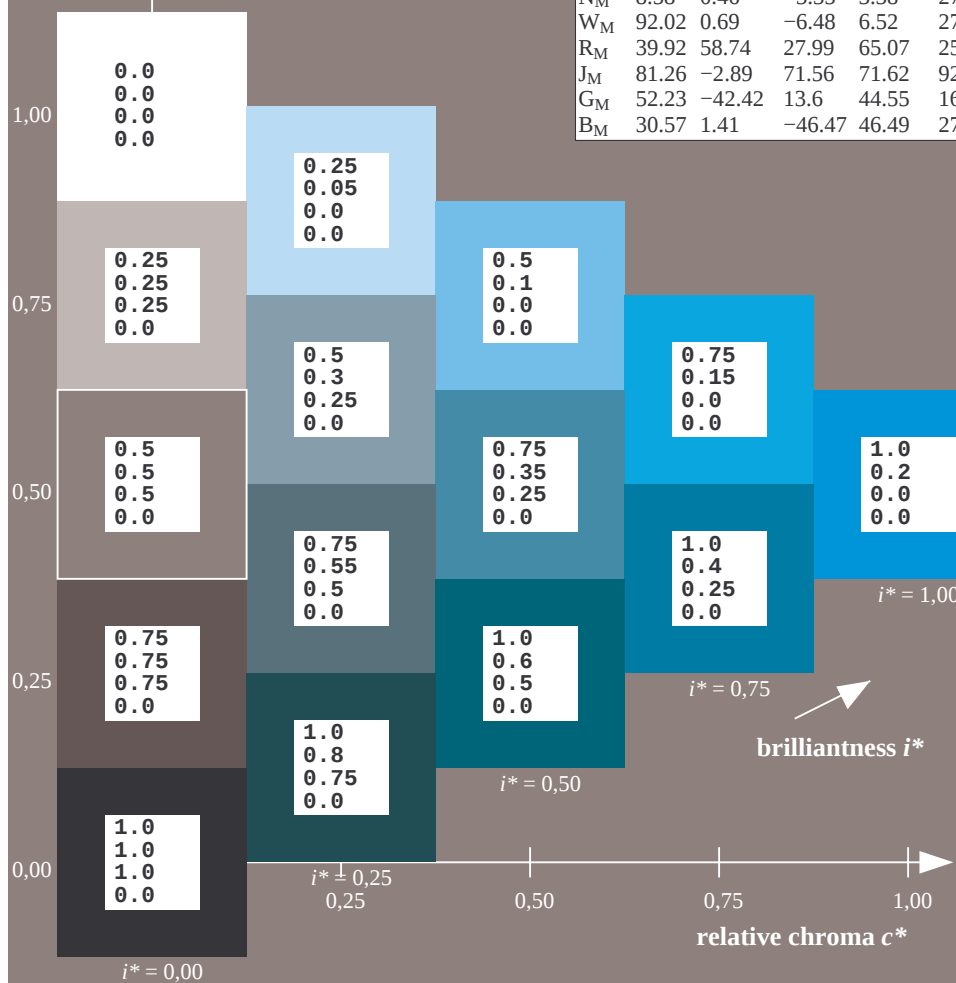
% Regularity

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

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

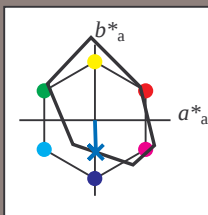
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 1 -42

LAB^*LCH^*Ma : 38 42 271

lab^*rgb^*Ma : 0.0 0.0 1.0

lab^*olv^*Ma : 0.0 0.47 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

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

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

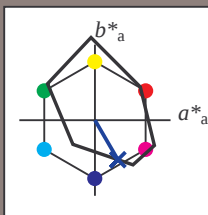
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b25r$ $u^*_d = c87v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 24 30 -52

LAB^*LCH^*Ma : 24 60 300

lab^*rgb^*Ma : 0.5 0.0 1.0

lab^*olv^*Ma : 0.0 0.12 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

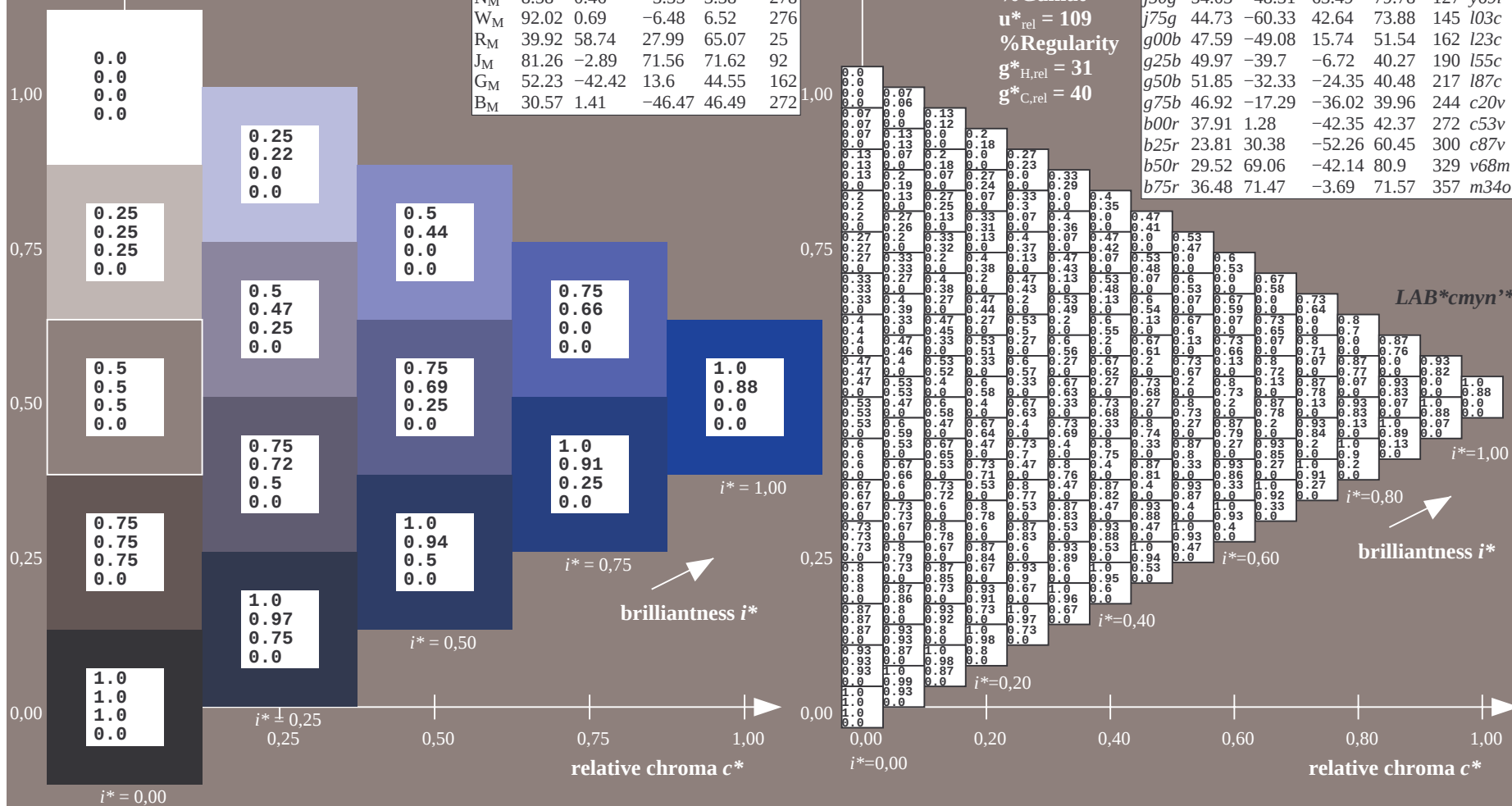
%Regularity

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

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

$u^*_e = b25r$
 LAB^*cmyn^*

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

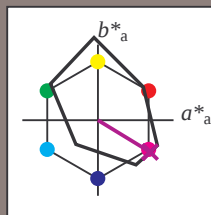
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	35.06	60.53	39.66	72.37	33	
Y _M	83.77	-4.5	103.15	103.25	92	
L _M	44.13	-62.11	43.56	75.86	145	
C _M	52.66	-28.56	-36.99	46.73	232	
V _M	14.15	50.78	-62.6	80.61	309	
M _M	37.37	79.18	-37.93	87.8	334	
N _M	8.58	0.46	-3.35	3.38	278	
W _M	92.02	0.69	-6.48	6.52	276	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 30 69 -42

LAB^*LCH^*Ma : 30 81 328

lab^*rgb^*Ma : 1.0 0.0 1.0

lab^*olv^*Ma : 0.69 0.0 1.0

triangle lightness t^*

%Gamut

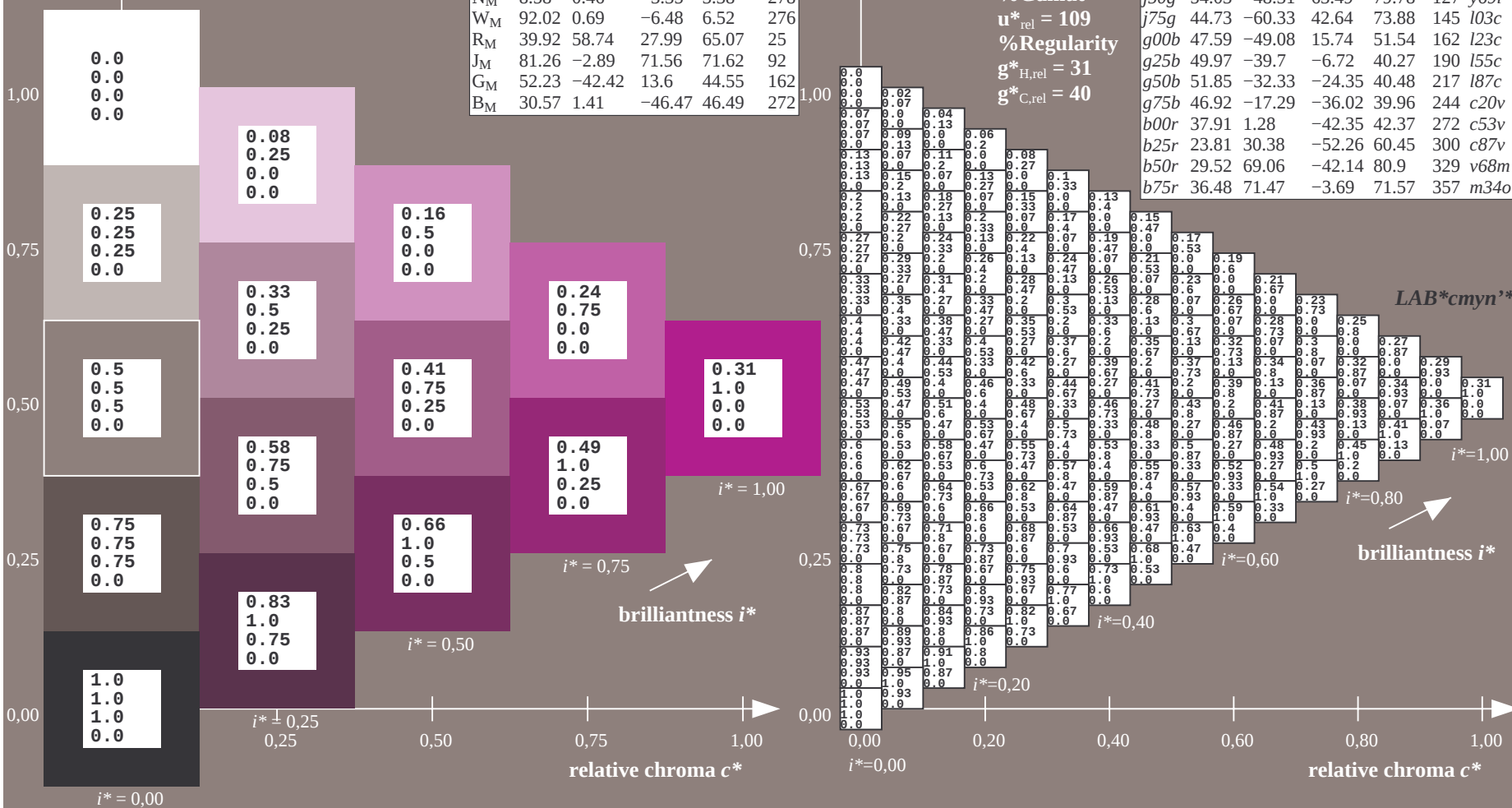
$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	



Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

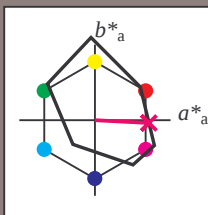
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	35.06	60.53	39.66	72.37	33
Y _M	83.77	-4.5	103.15	103.25	92
L _M	44.13	-62.11	43.56	75.86	145
C _M	52.66	-28.56	-36.99	46.73	232
V _M	14.15	50.78	-62.6	80.61	309
M _M	37.37	79.18	-37.93	87.8	334
N _M	8.58	0.46	-3.35	3.38	278
W _M	92.02	0.69	-6.48	6.52	276
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 36 71 -4

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS09_92a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o
r25j	39.12	54.56	49.45	73.64	42	o10y
r50j	50.64	39.15	64.89	75.79	59	o40y
r75j	64.01	21.26	82.83	85.52	76	o69y
j00g	83.18	-4.38	108.53	108.62	92	o98y
j25g	66.73	-29.89	83.06	88.28	110	y34l
j50g	54.03	-48.31	63.49	79.78	127	y69l
j75g	44.73	-60.33	42.64	73.88	145	i03c
g00b	47.59	-49.08	15.74	51.54	162	i23c
g25b	49.97	-39.7	-6.72	40.27	190	i55c
g50b	51.85	-32.33	-24.35	40.48	217	i87c
g75b	46.92	-17.29	-36.02	39.96	244	c20v
b00r	37.91	1.28	-42.35	42.37	272	c53v
b25r	23.81	30.38	-52.26	60.45	300	c87v
b50r	29.52	69.06	-42.14	80.9	329	v68m
b75r	36.48	71.47	-3.69	71.57	357	m34o

LAB^*cmyn^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

