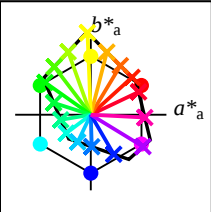


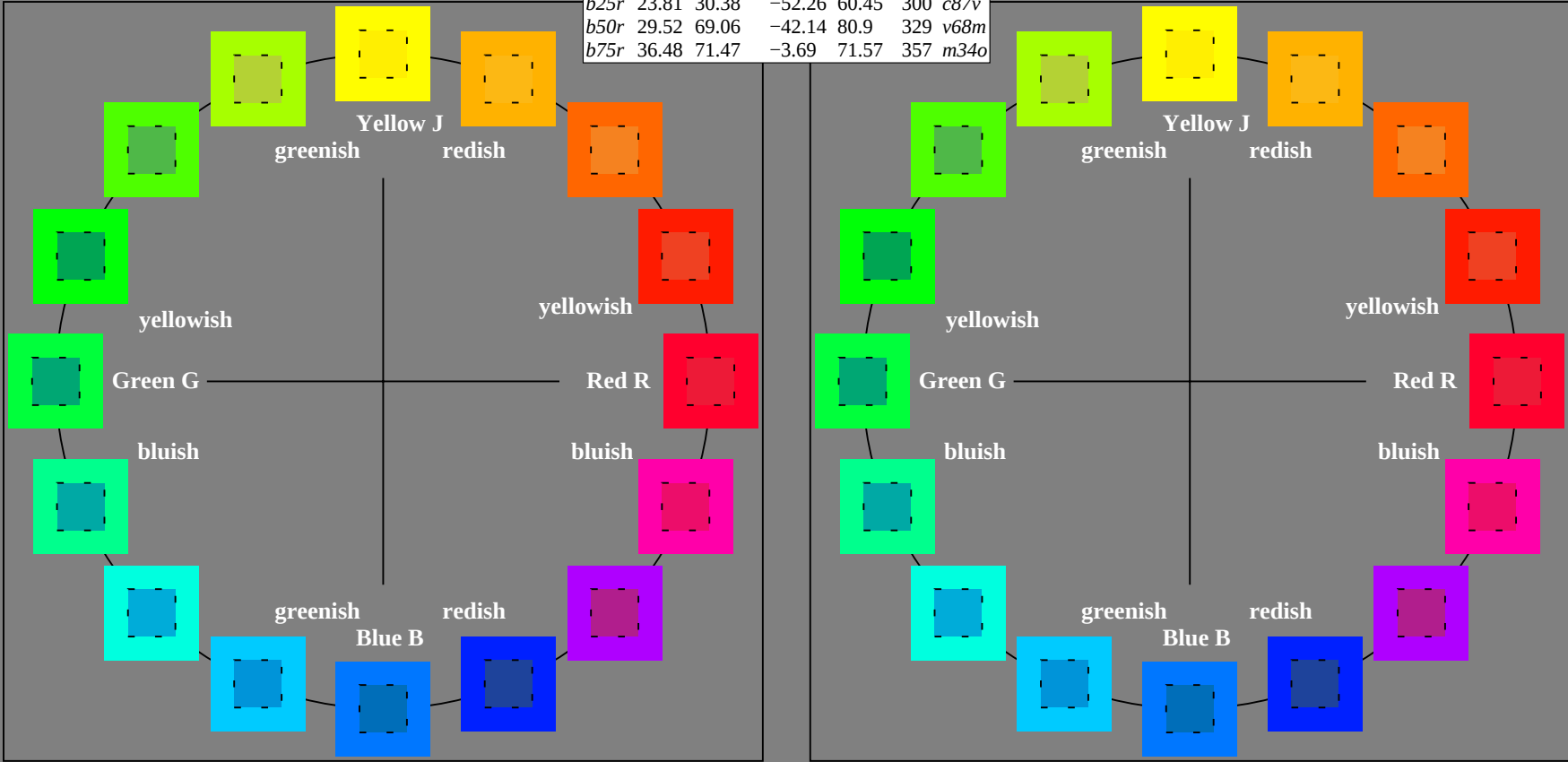
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 u_e^* and number $no.$ = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues $r00j, r25j, \dots, b75r$
contrast reduction factor:
 $c_R = 1.0$

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	$m34o$	



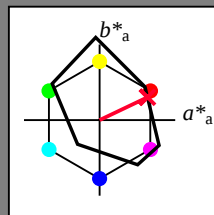
%Gamut
 $u_{rel}^* = 109$
%Regularity
 $g_{H,rel}^* = 31$
 $g_{C,rel}^* = 40$

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	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

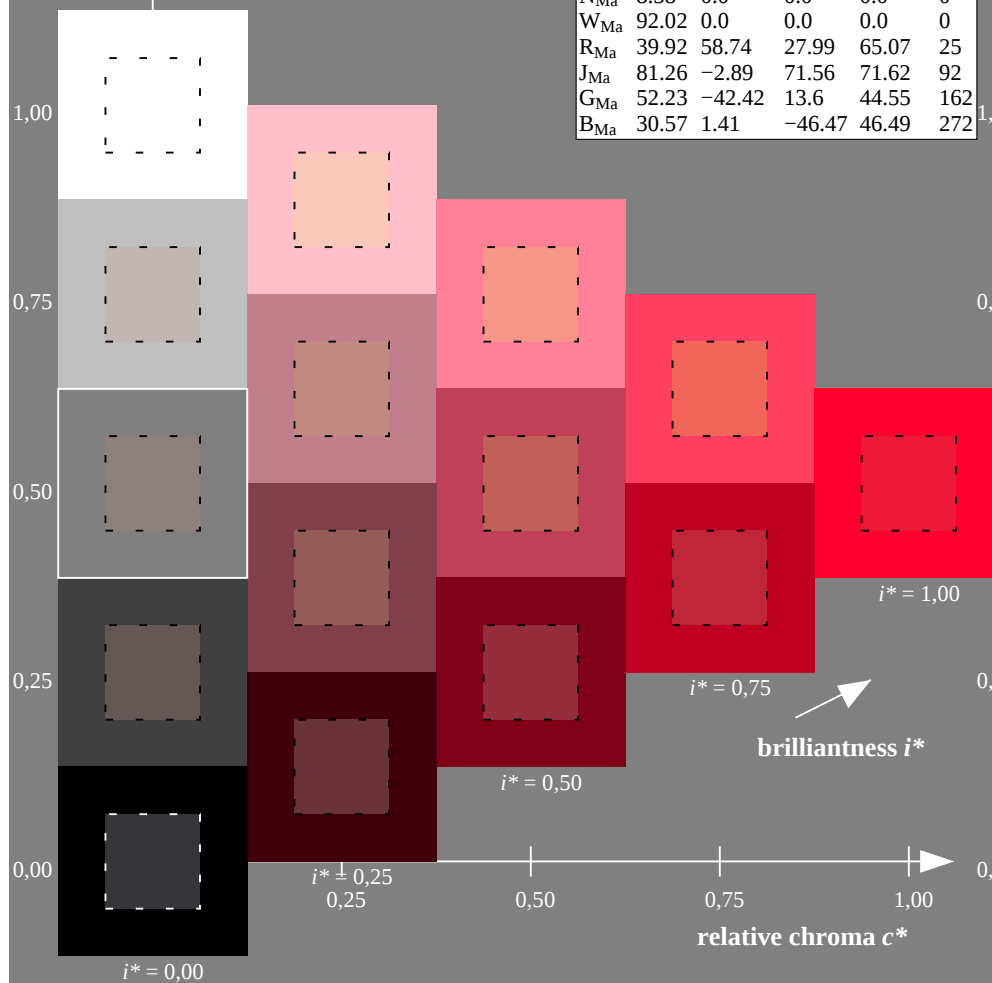


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
 data for any colour:

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

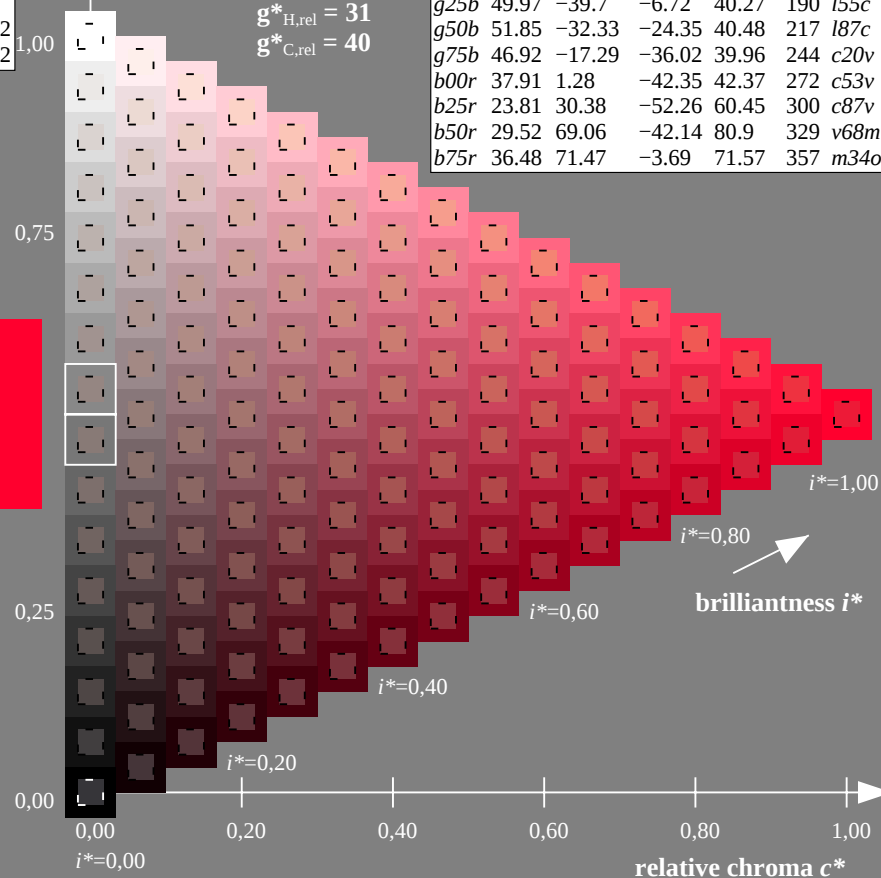
$LAB^*LCH^*_{Ma}$: 35 70 25

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

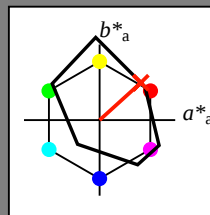
Hue texts:

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

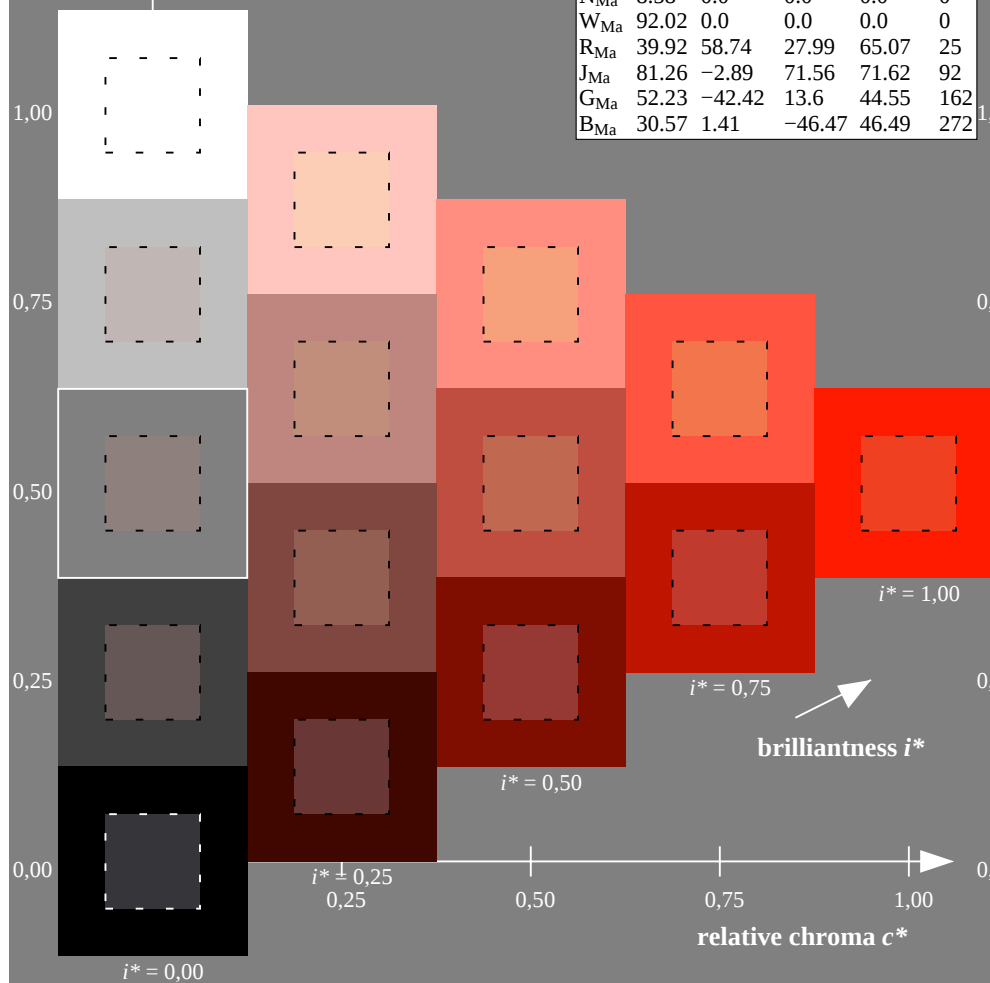
contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

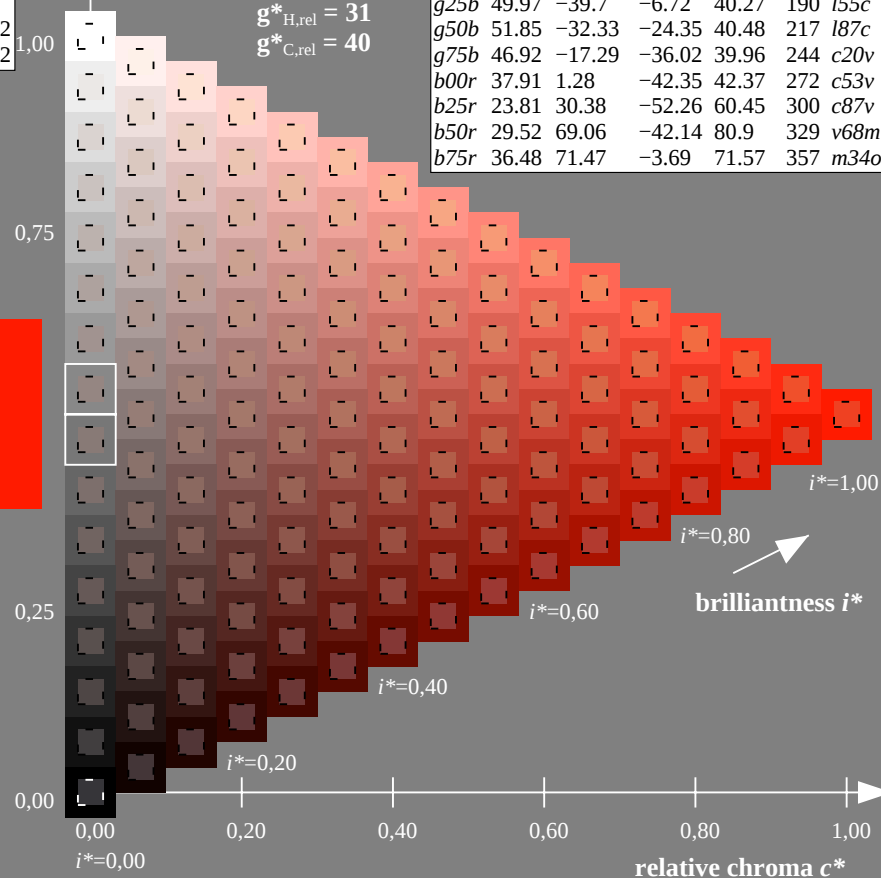
% Gamut

$u^*_{rel} = 109$

% 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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$

data for any colour:

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

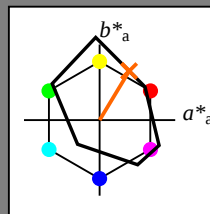
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

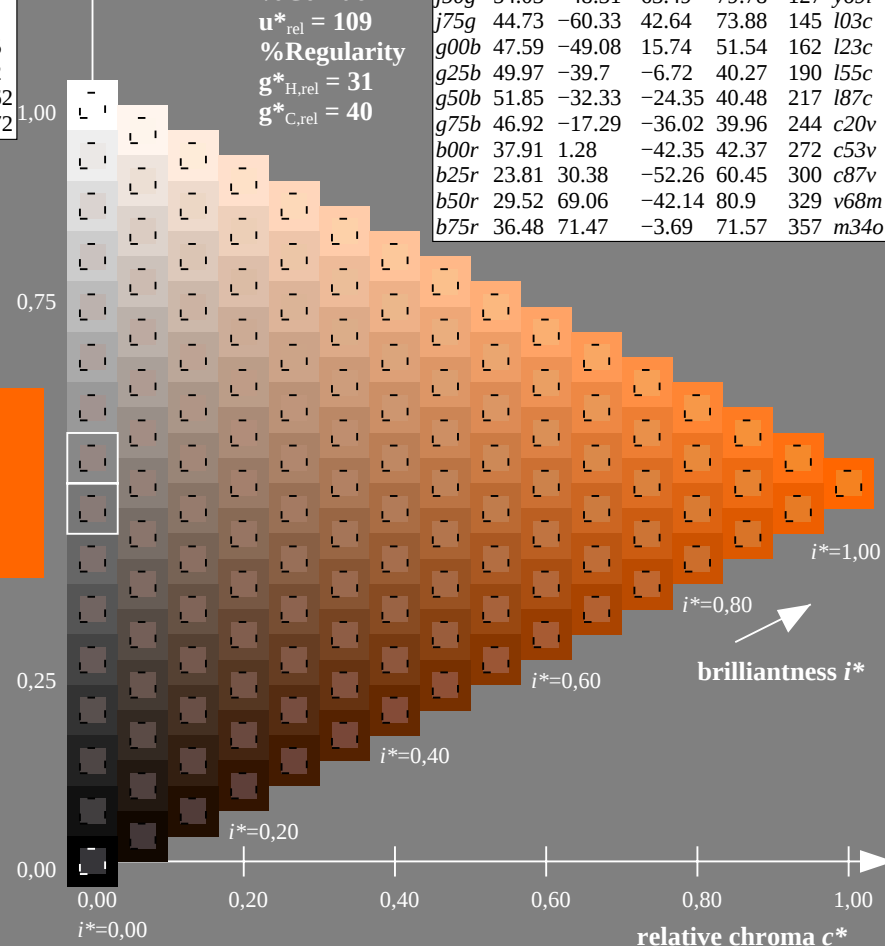
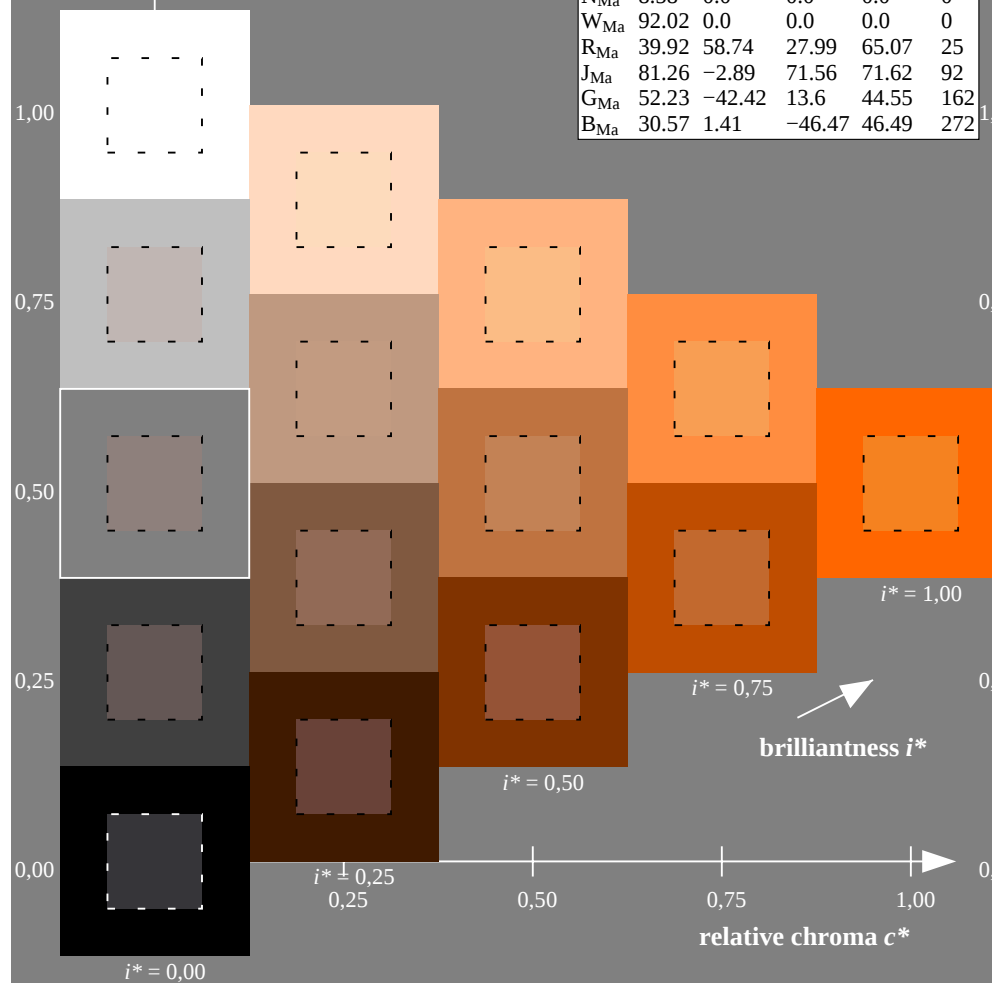
$LAB^*LCH^*_{Ma}$: 51 76 58

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

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

triangle lightness t^*

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^*

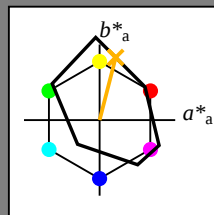
Hue texts:

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

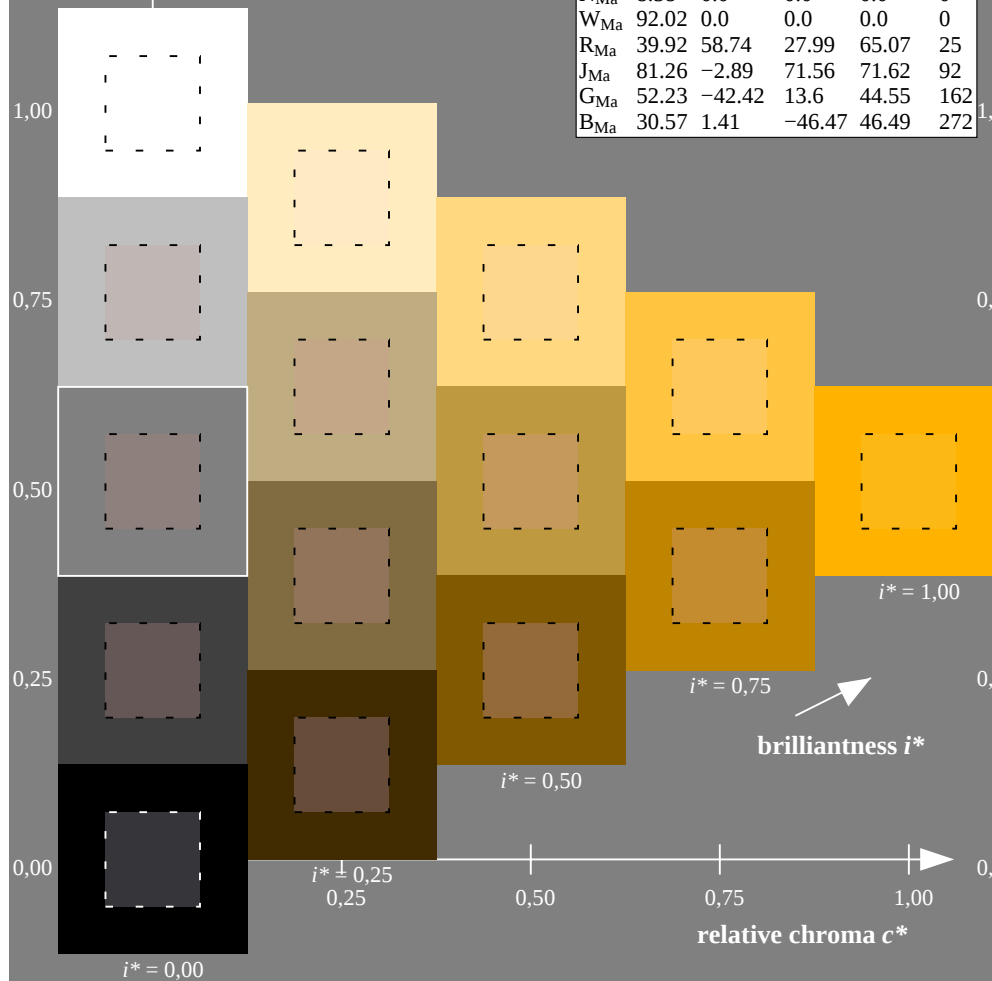
contrast reduction factor:

$c_R = 1.0$

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

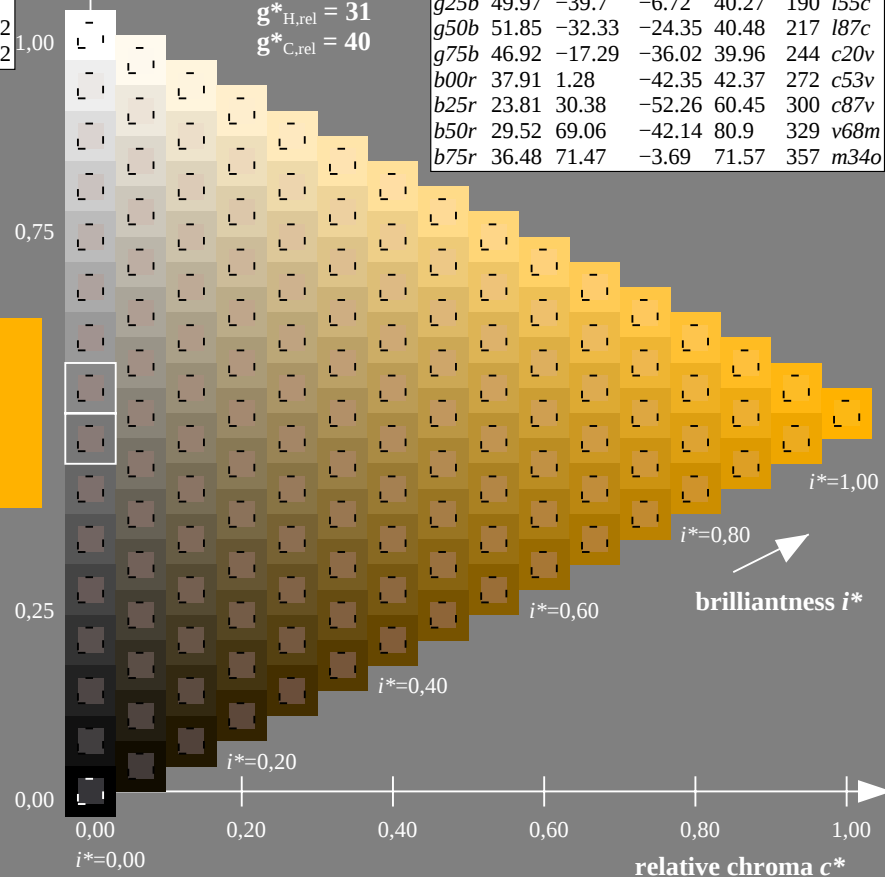
$u^*_{rel} = 109$

% 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 $h^* = lab^*h^* = h_{ab}/360 = 0.256$

$u^*_e = j00g$

data for any colour:

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

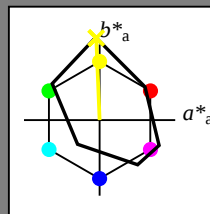
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

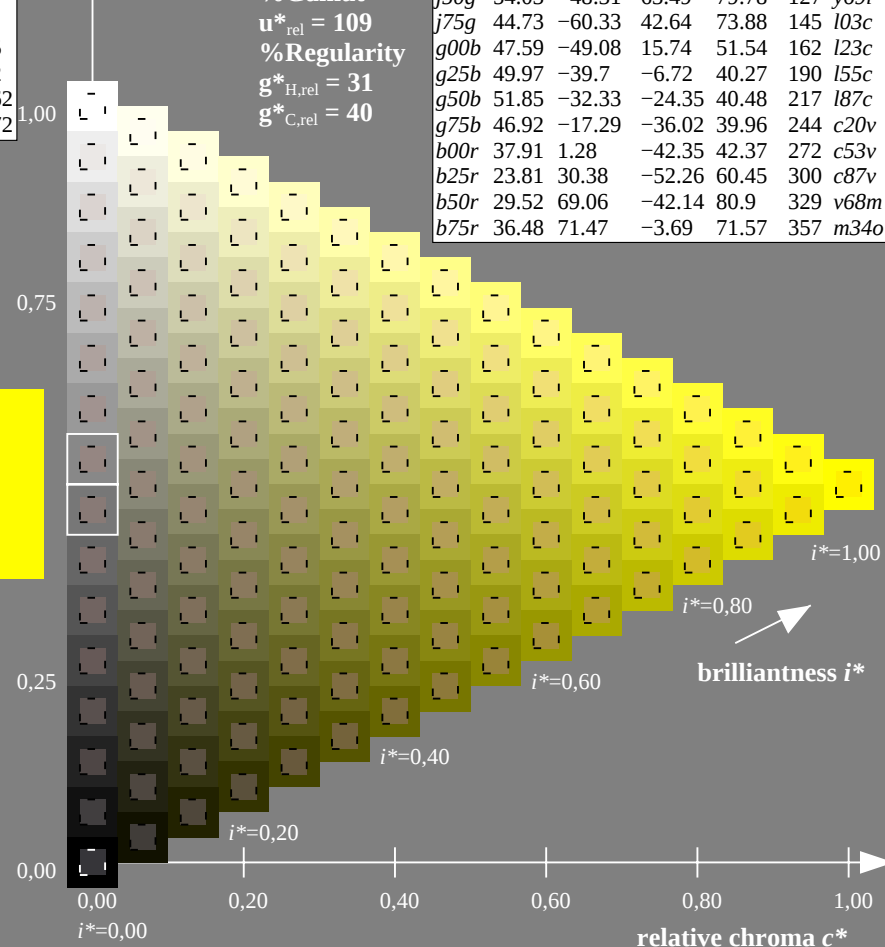
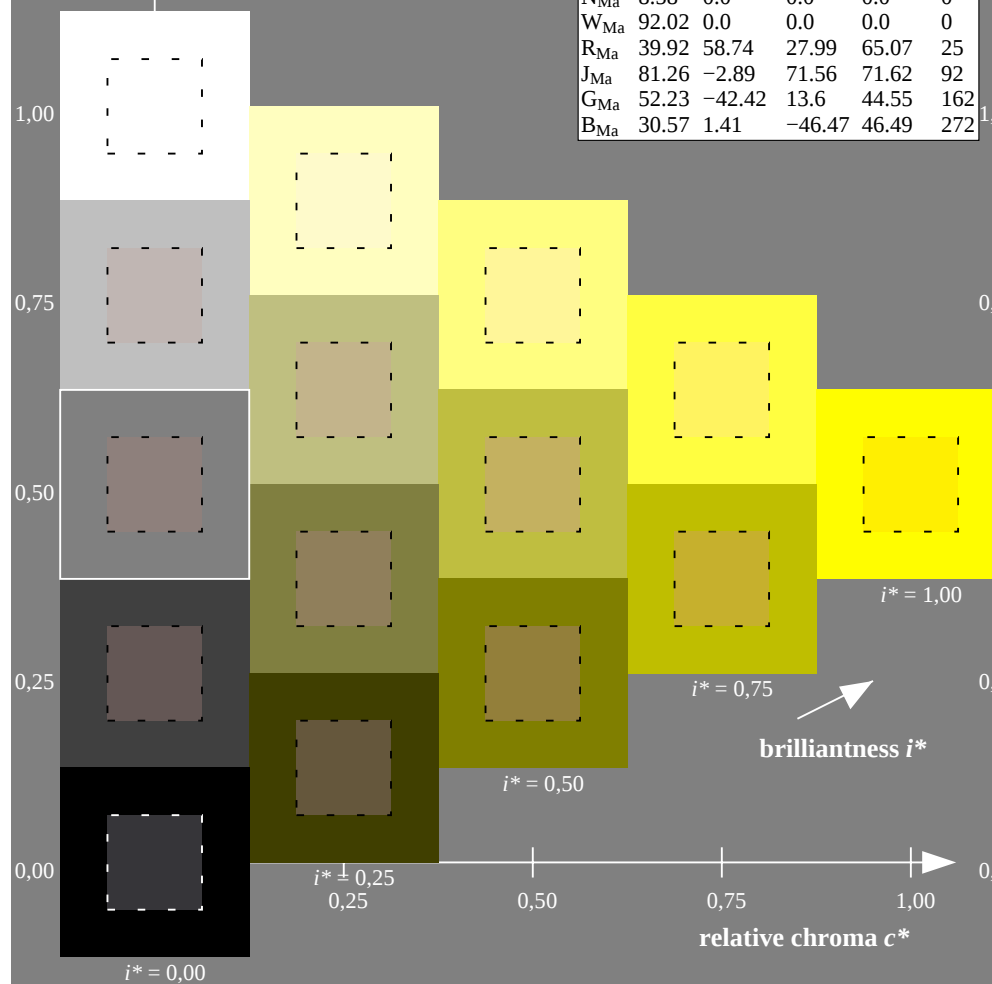
$LAB^*LCH^*_{Ma}$: 83 109 92

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$

data for any colour:

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

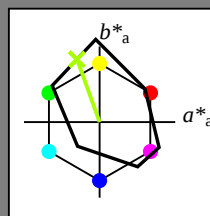
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

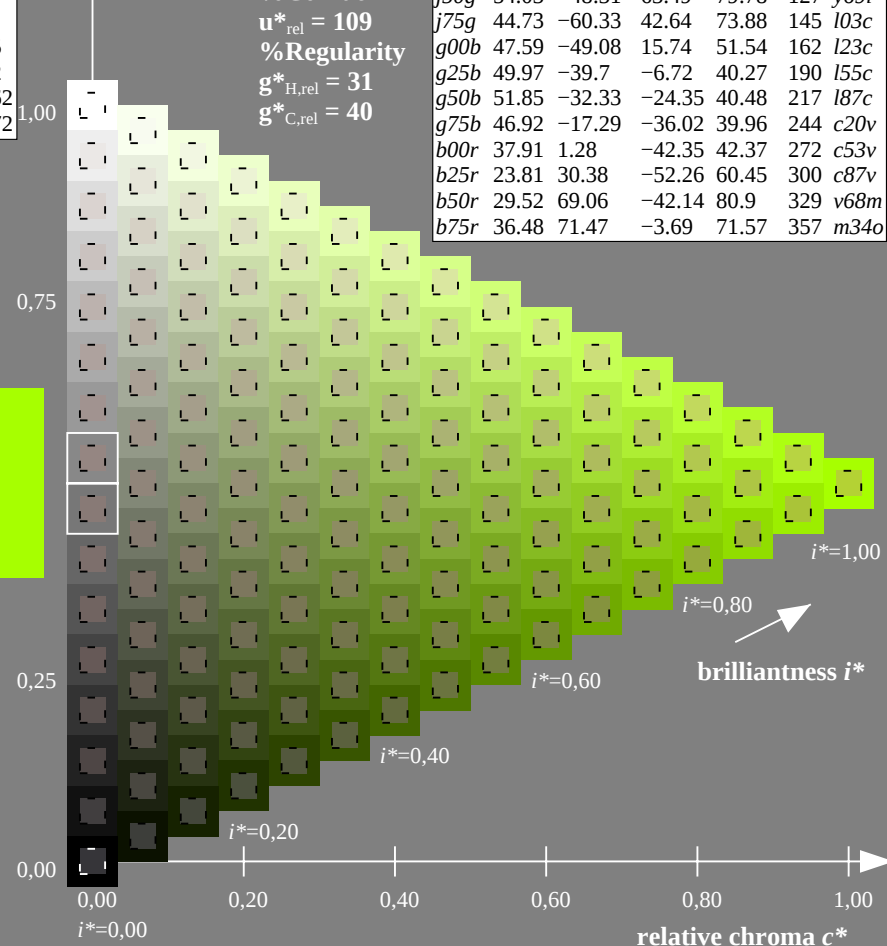
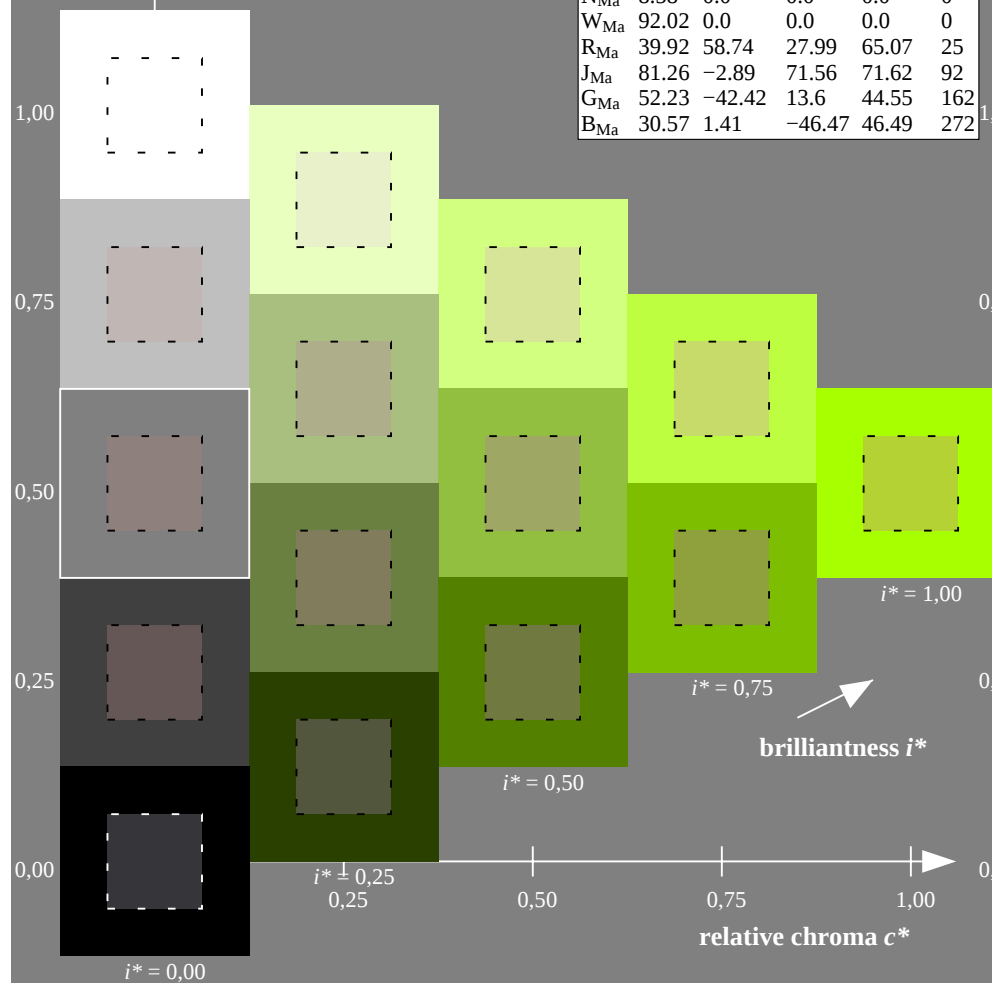
$LAB^*LCH^*_{Ma}$: 67 88 109

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

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

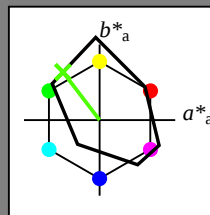
triangle lightness t^*

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	

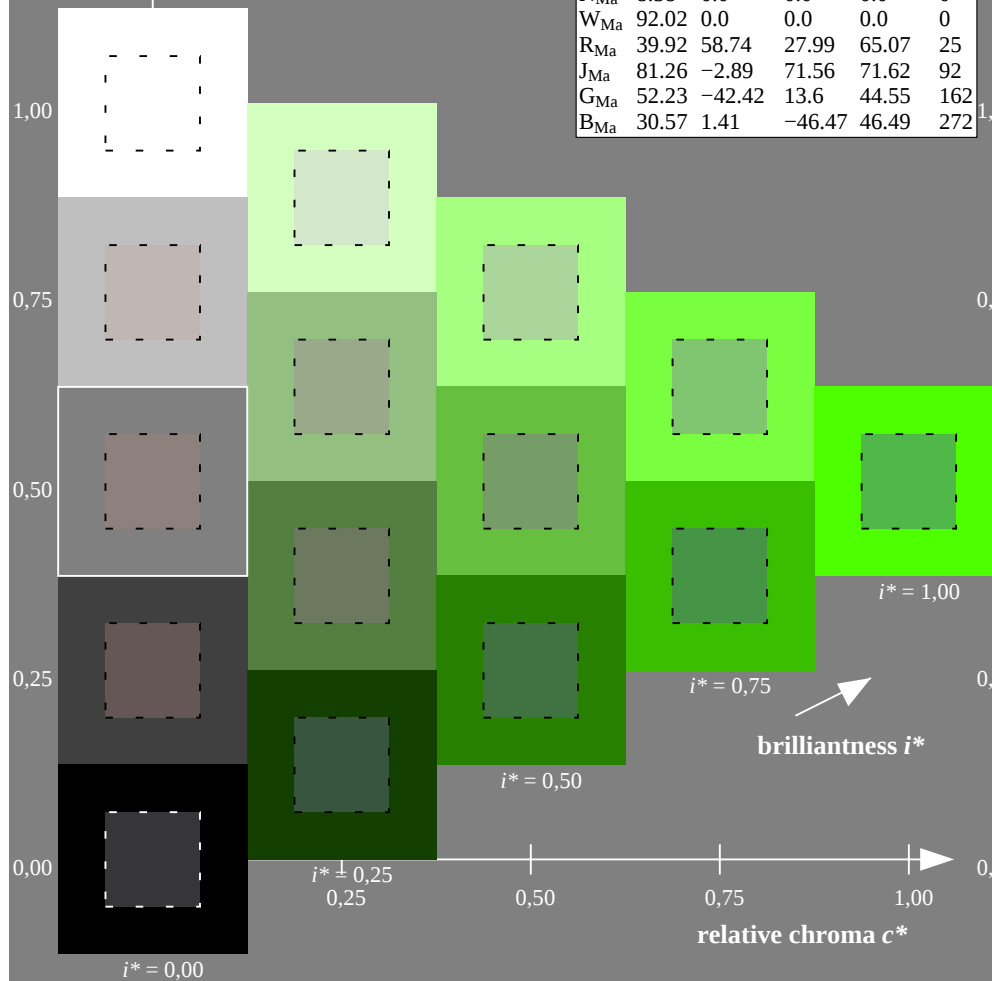


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:

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

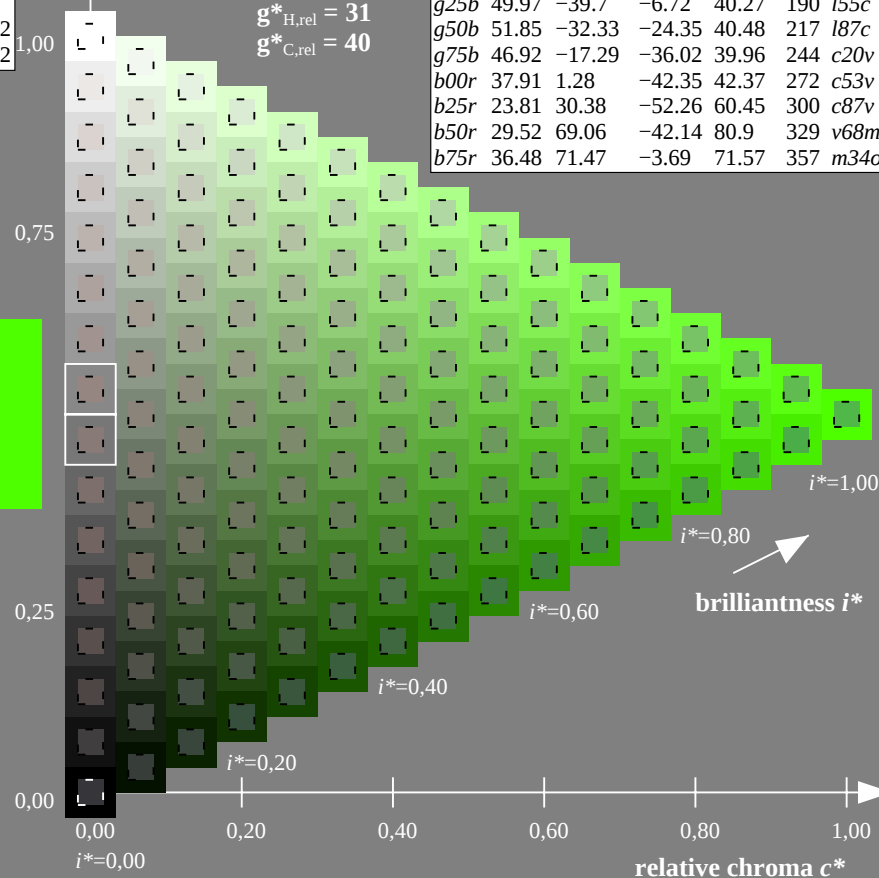
$LAB^*LCH^*_{Ma}$: 54 80 127

$lab^*rgb^*_{Ma}$: 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^*	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	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 $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$

data for any colour:

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

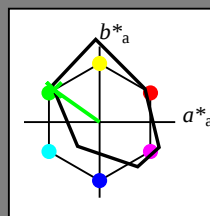
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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^*

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	

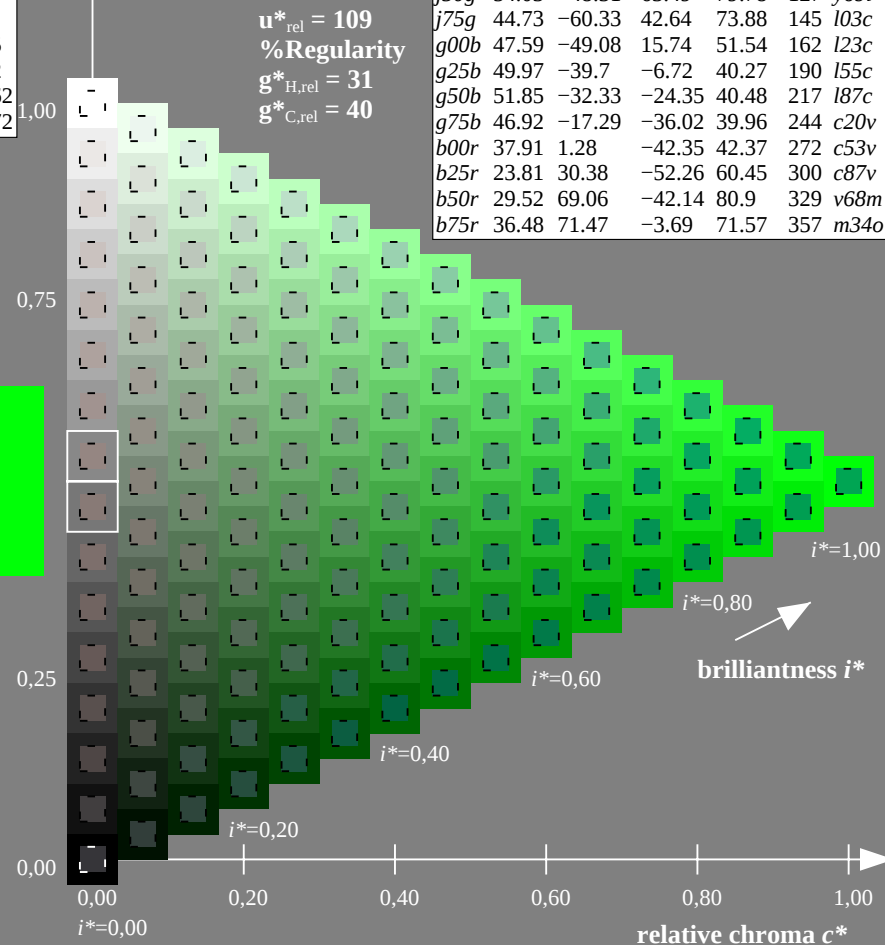
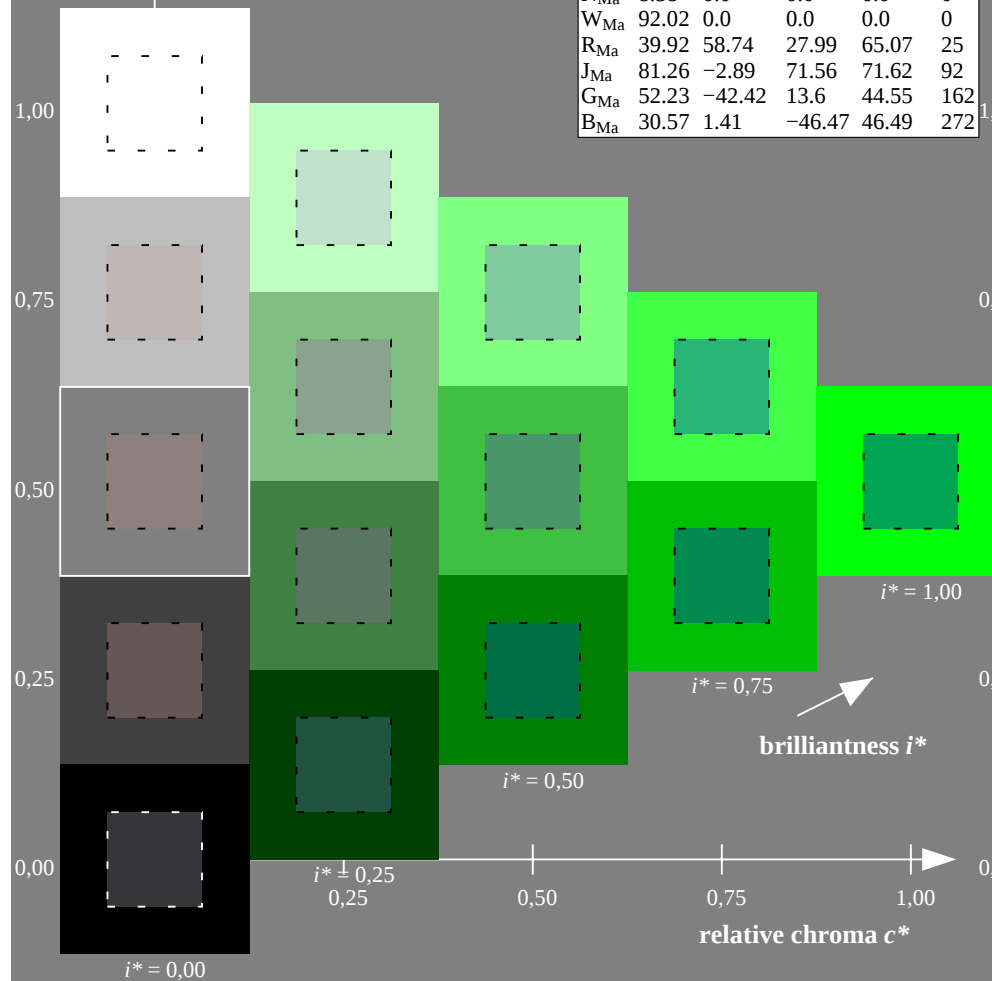
% Gamut

$u^*_{rel} = 109$

% Regularity

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

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



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^*

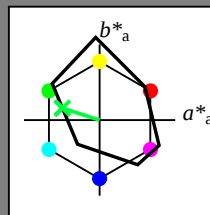
Hue texts:

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

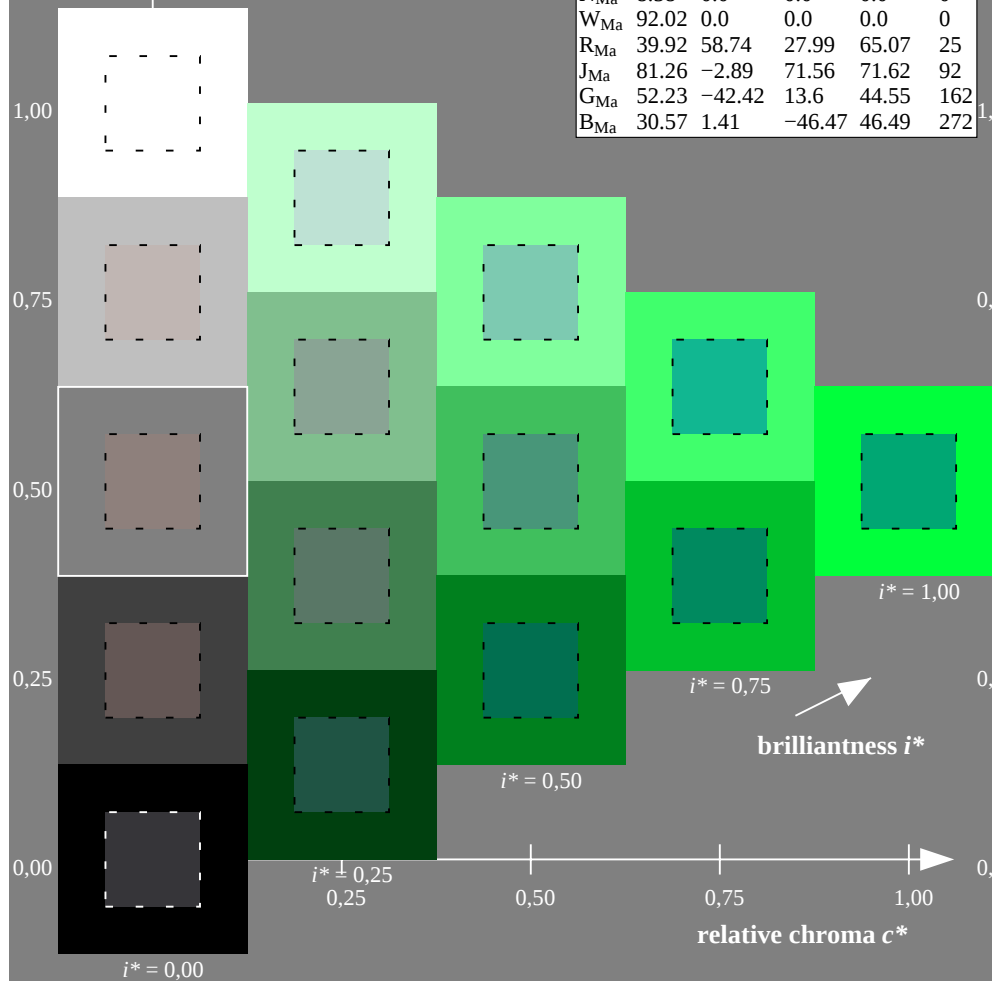
contrast reduction factor:

$c_R = 1.0$

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^*

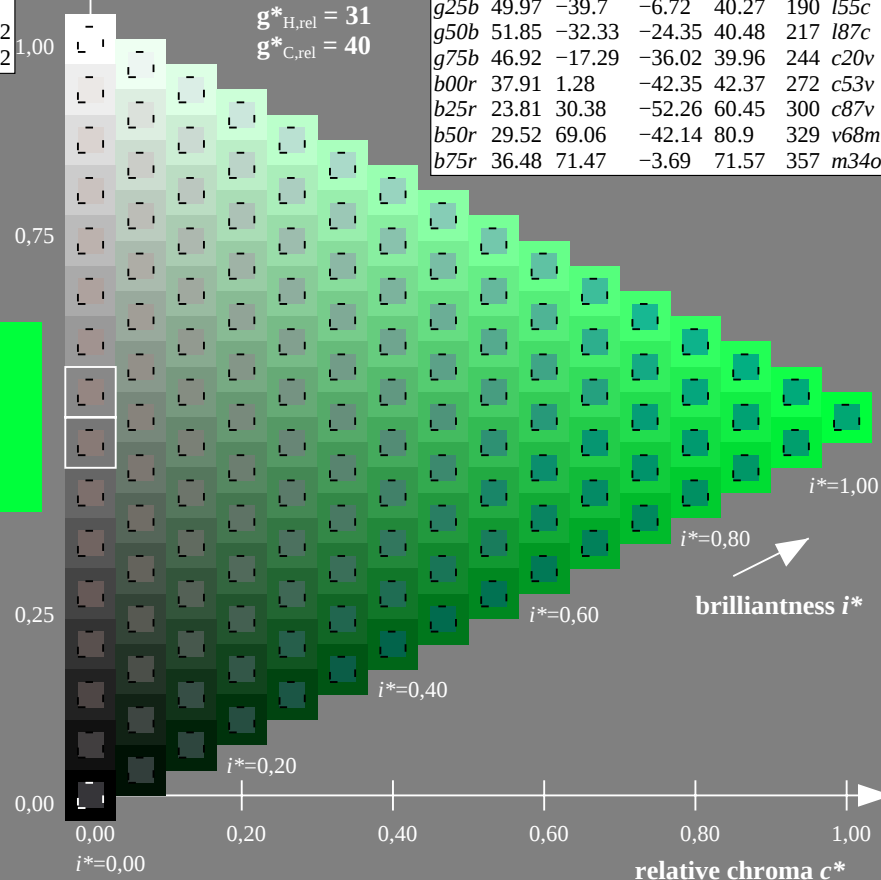
% Gamut

$u^*_{rel} = 109$

% 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^*

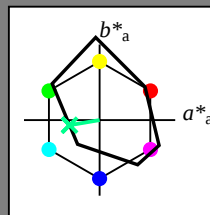
Hue texts:

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

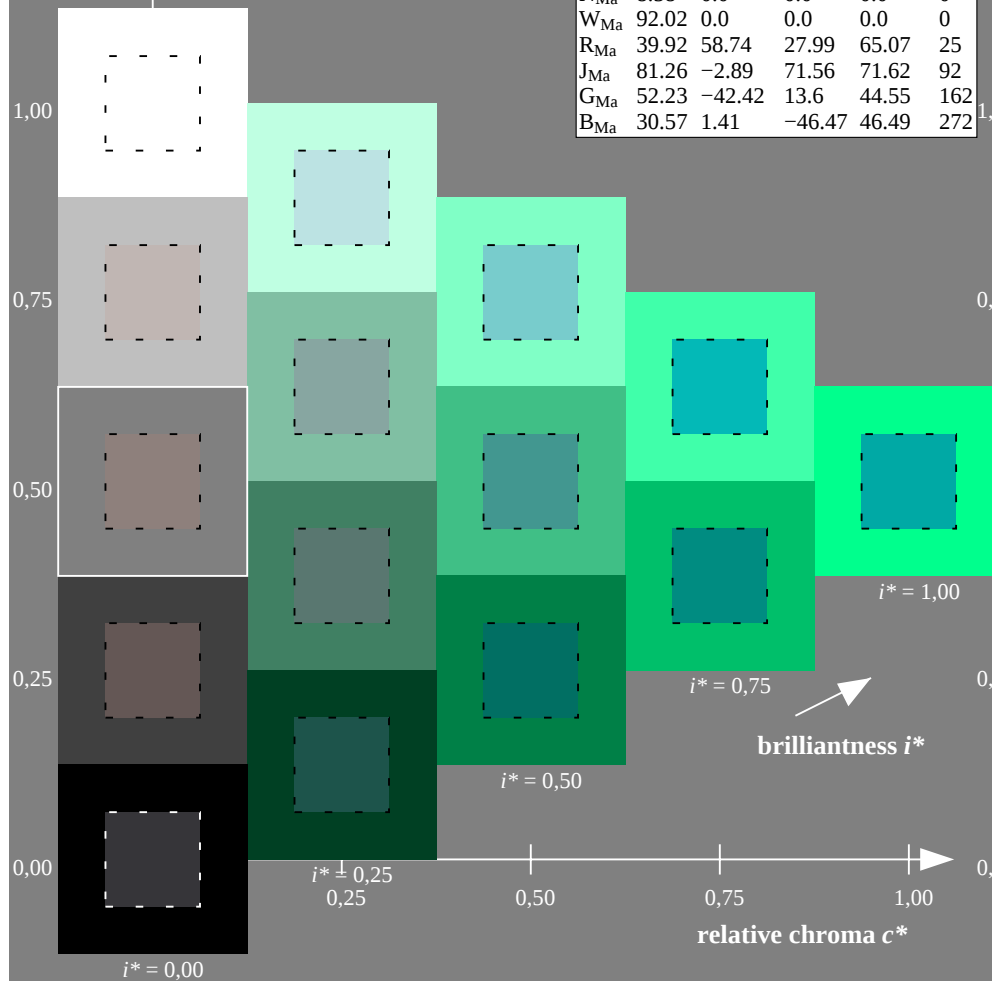
contrast reduction factor:

$c_R = 1.0$

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^*

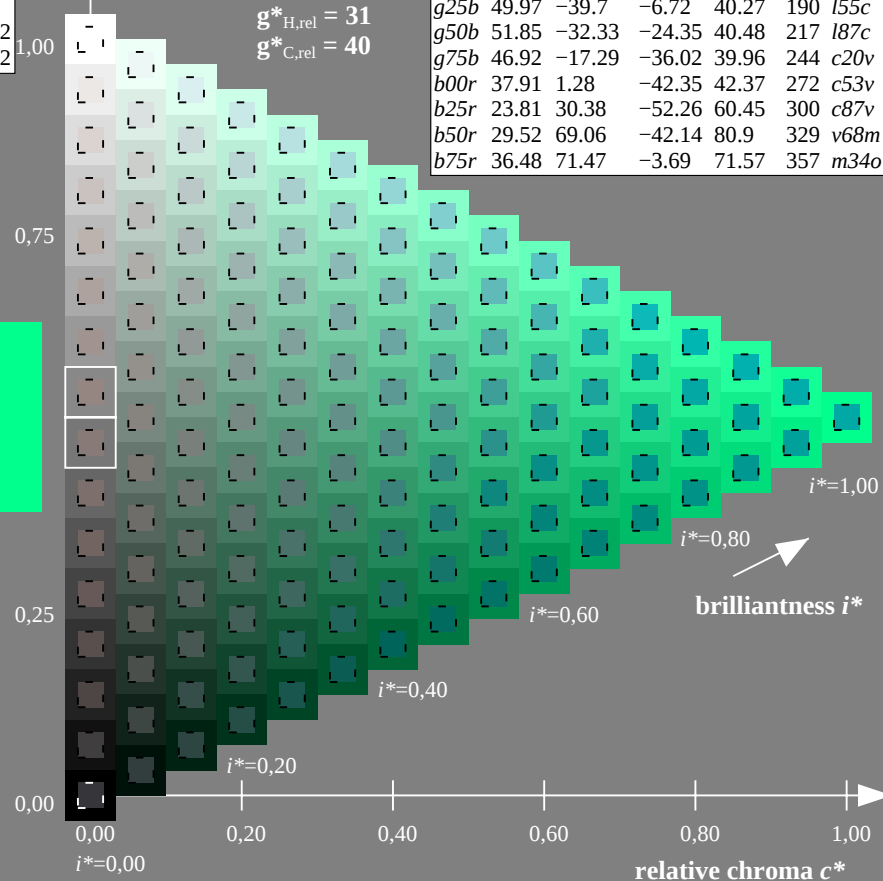
% Gamut

$u^*_{rel} = 109$

% 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 $h^* = lab^*h^* = h_{ab}/360 = 0.603$

$u^*_e = g50b$

data for any colour:

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

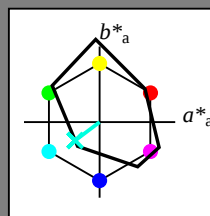
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

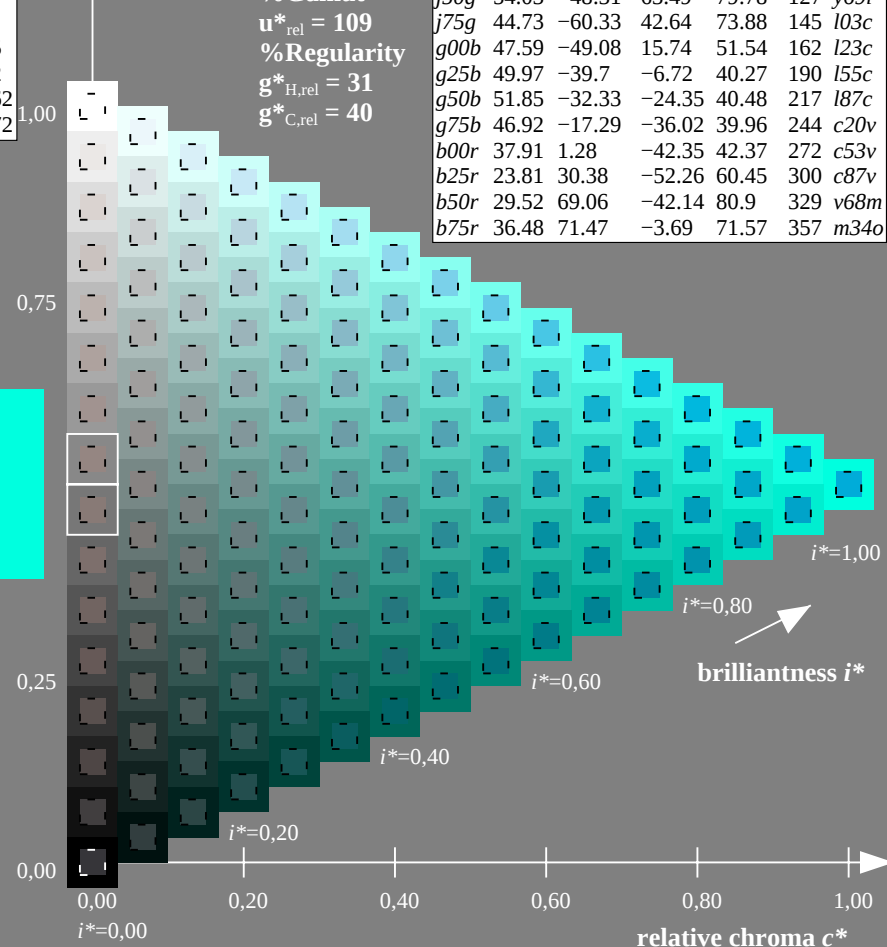
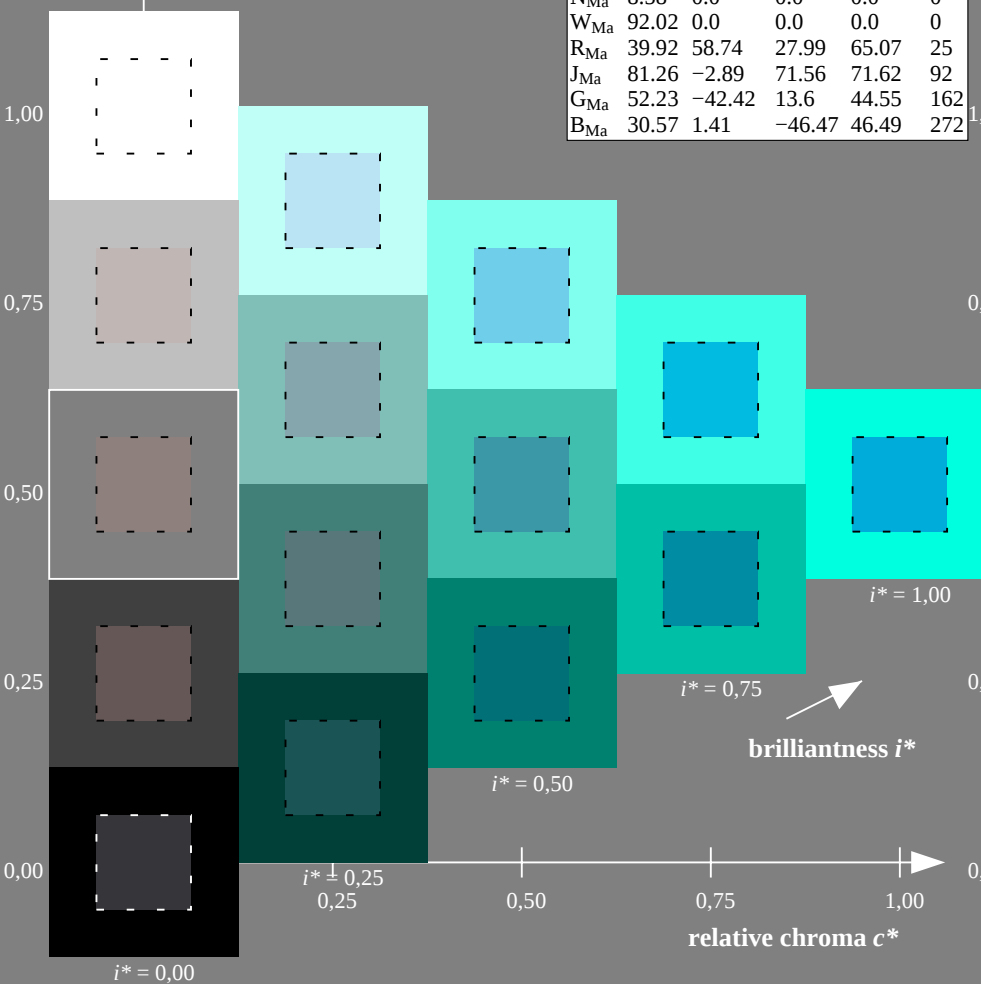
$LAB^*LCH^*_{Ma}$: 52 40 216

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.679$

$u^*_e = g75b$

data for any colour:

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

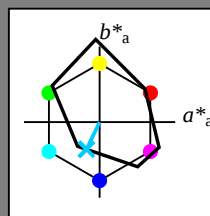
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

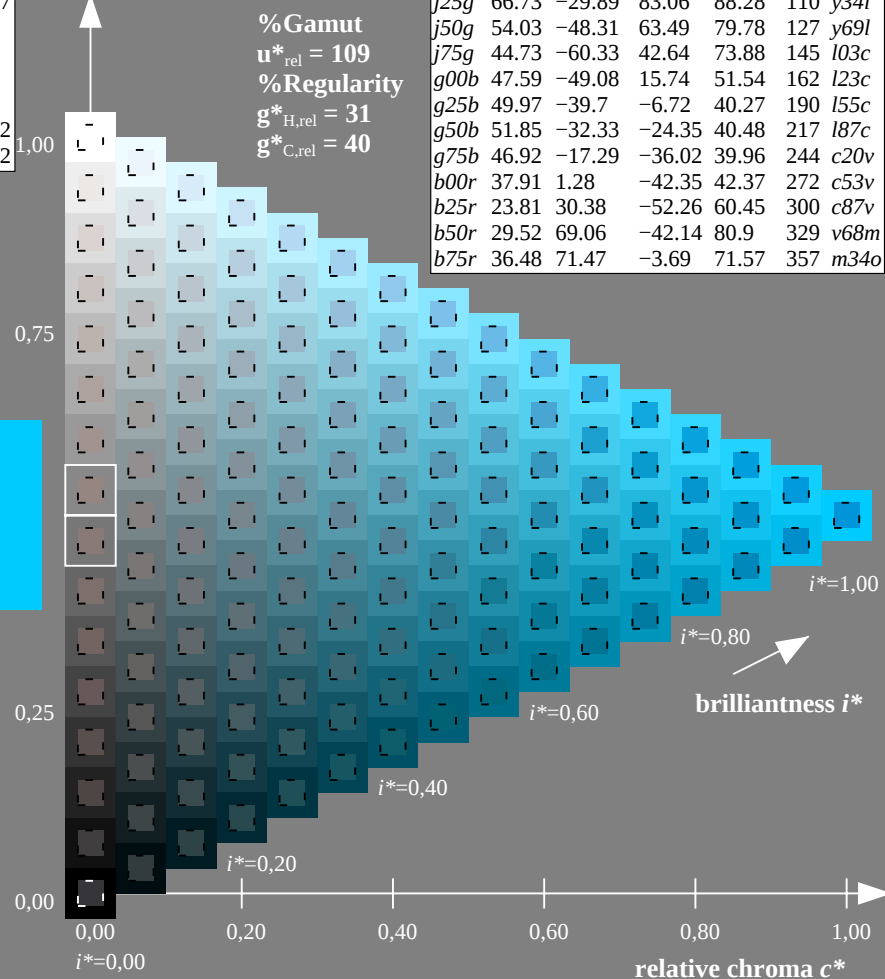
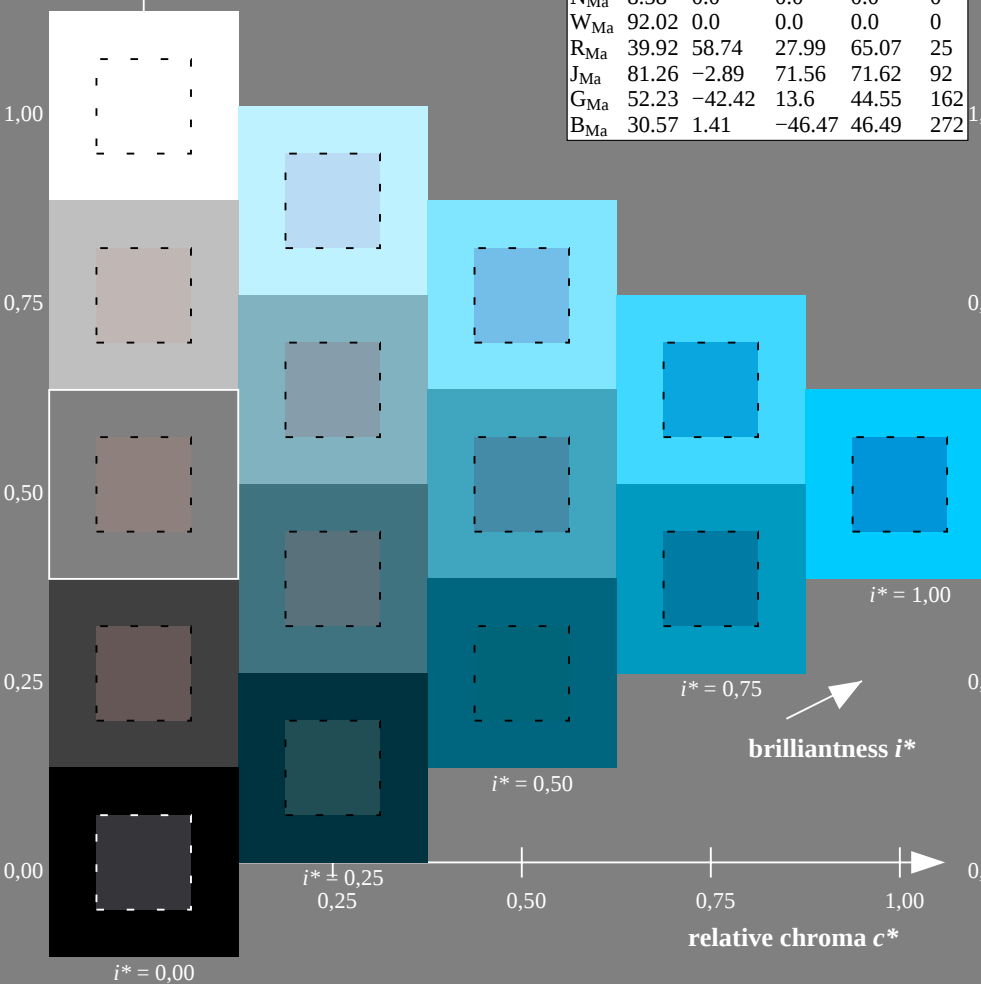
$LAB^*LCH^*_{Ma}$: 47 40 244

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.755$

$u^*_e = b00r$

data for any colour:

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

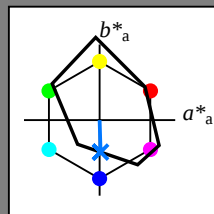
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

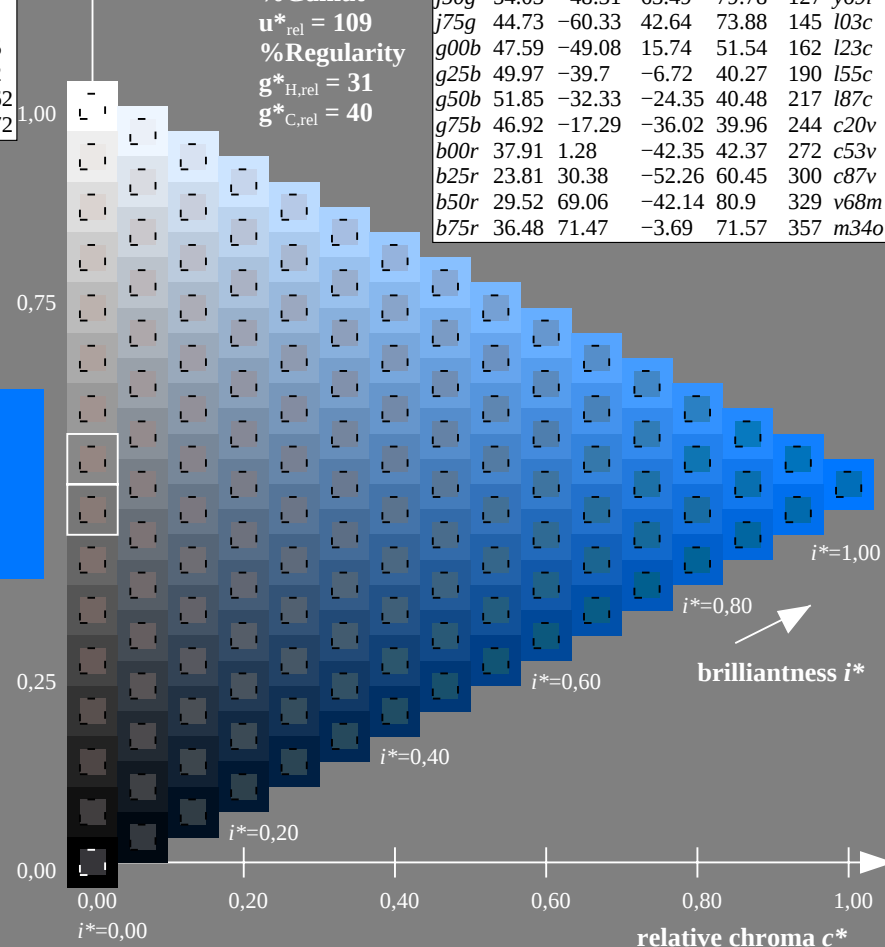
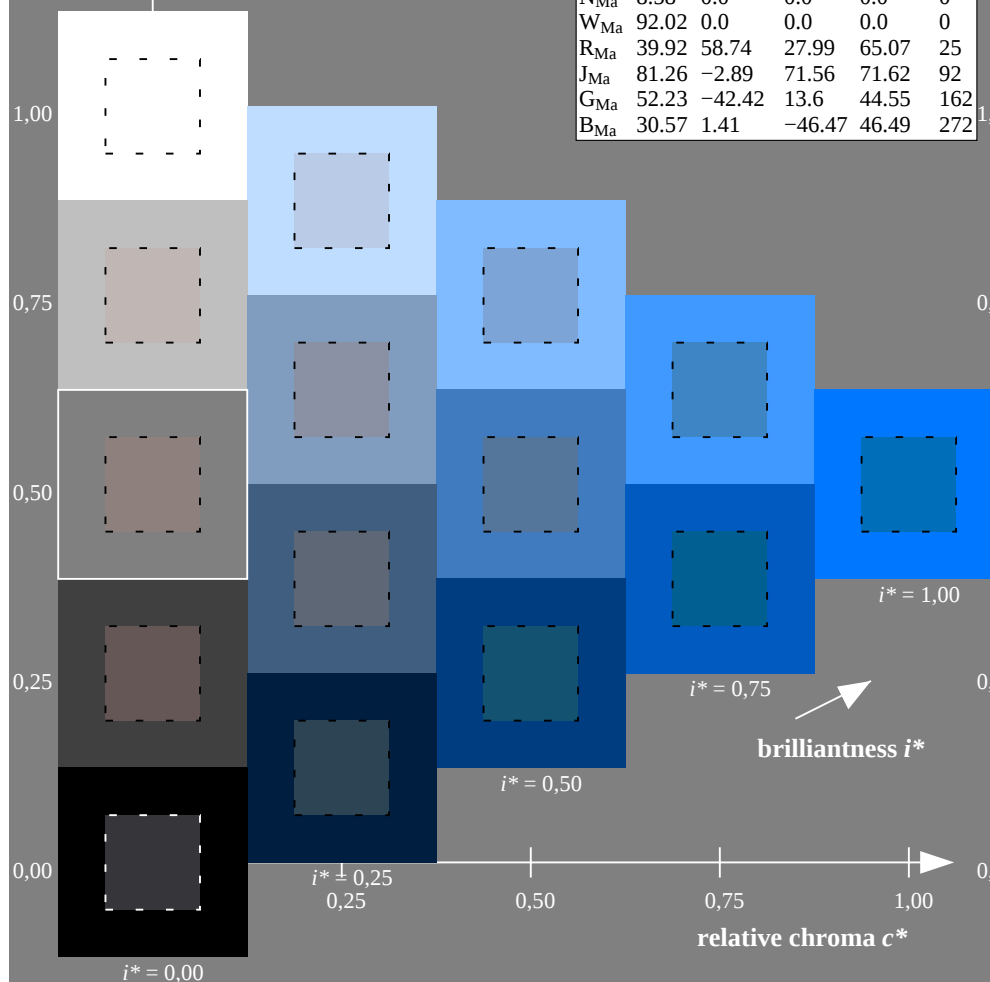
$LAB^*LCH^*_{Ma}$: 38 42 271

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.834$

$u^*_e = b25r$

data for any colour:

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

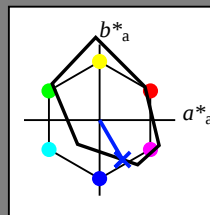
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

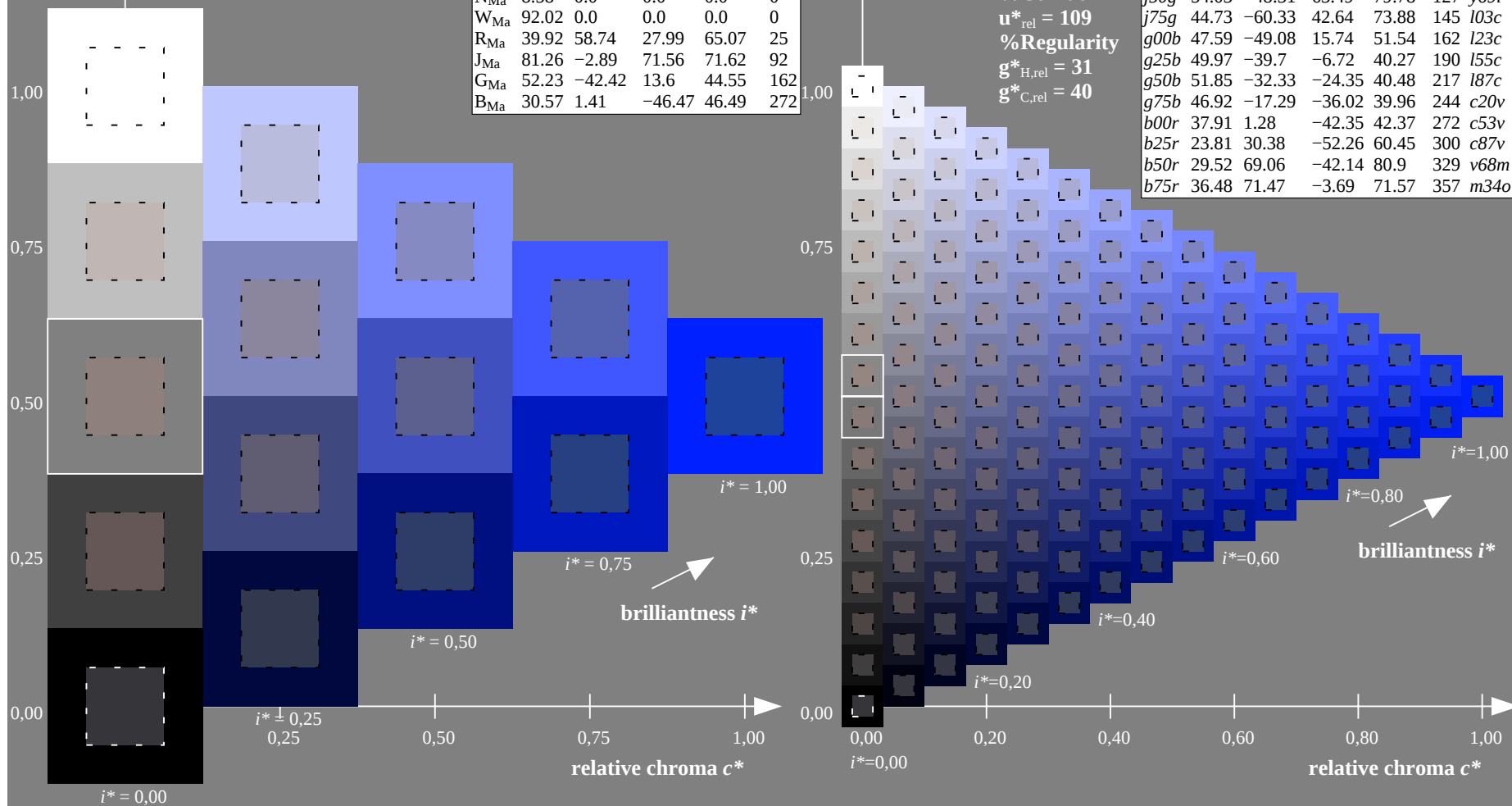
$LAB^*LCH^*_{Ma}$: 24 60 300

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.913$

$u^*_e = b50r$

data for any colour:

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

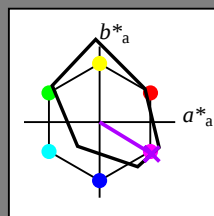
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

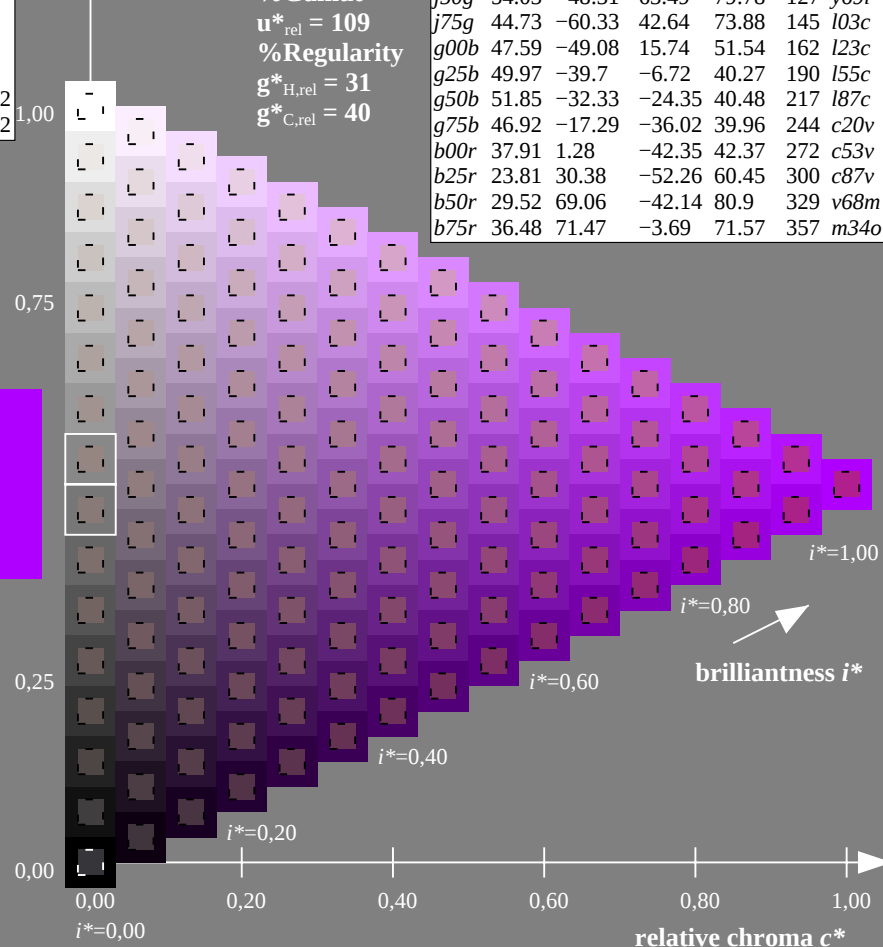
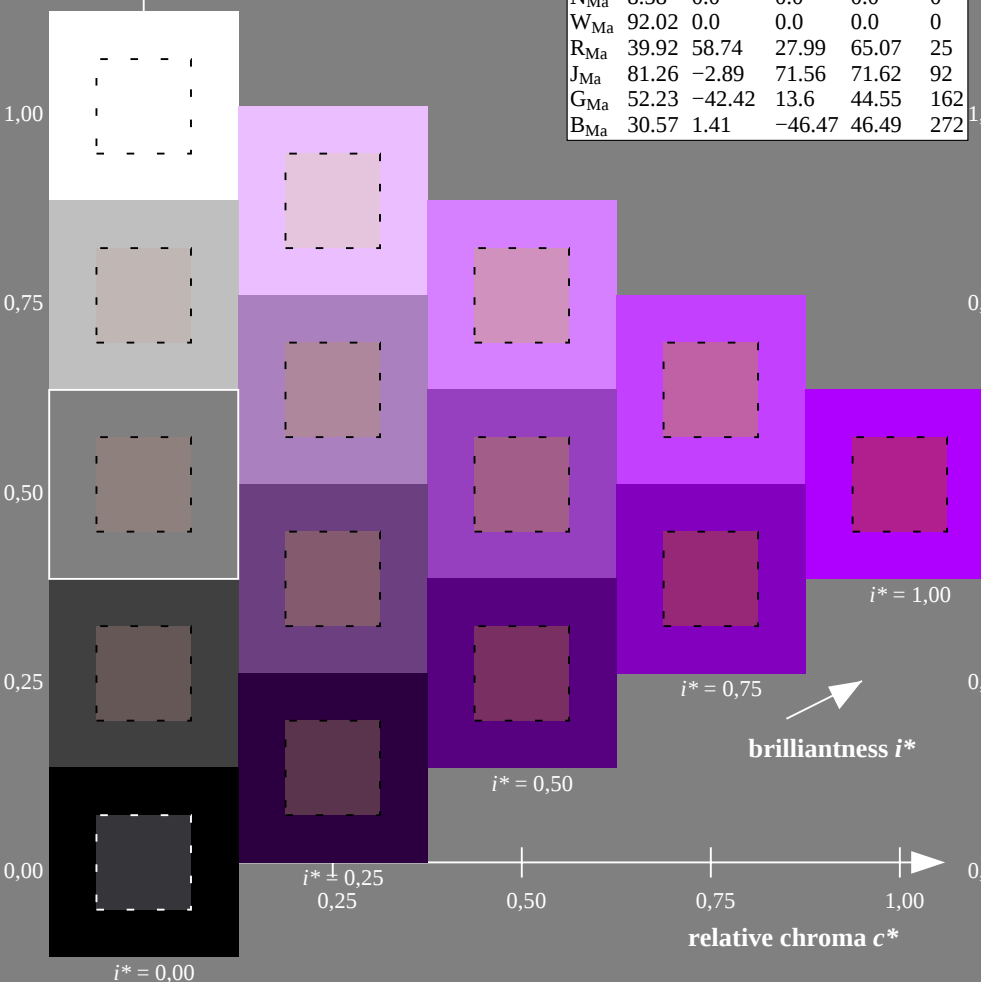
$LAB^*LCH^*_{Ma}$: 30 81 328

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

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

triangle lightness t^*

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^*

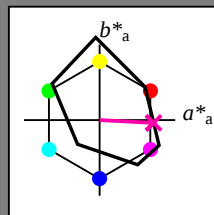
Hue texts:

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

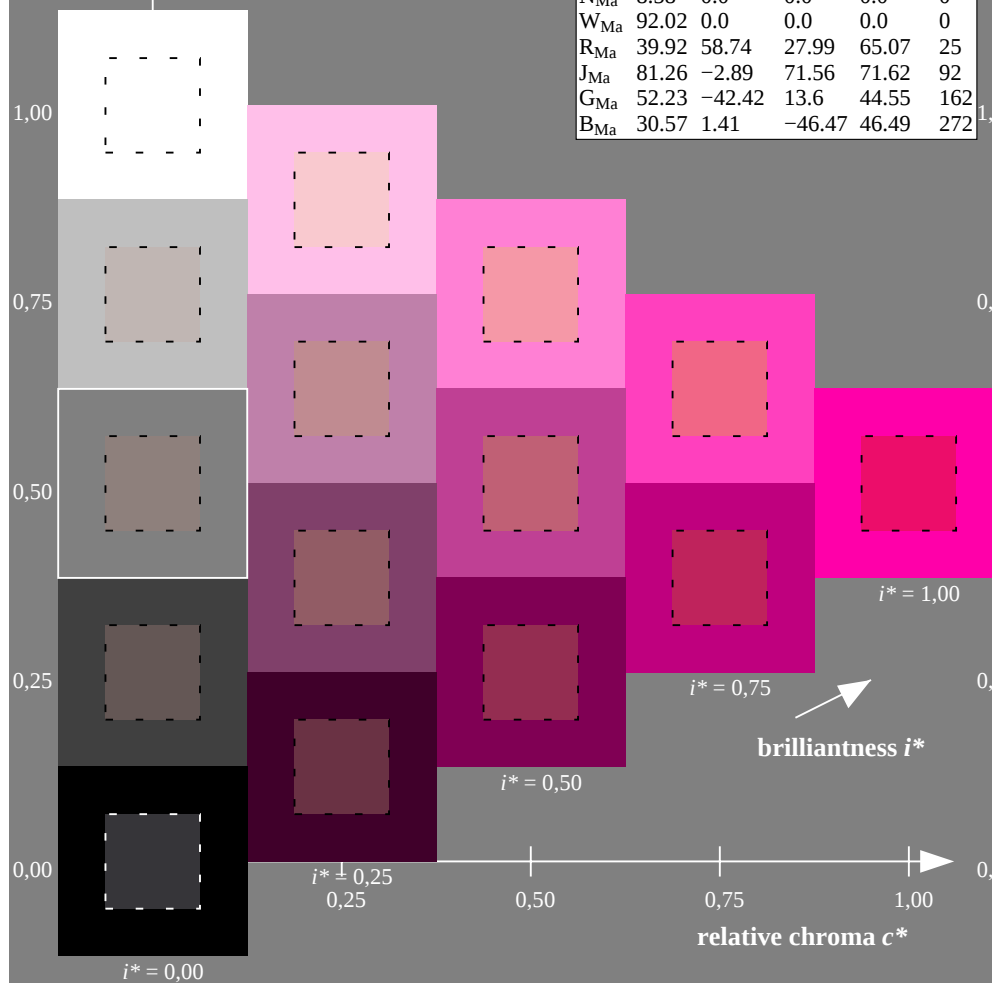
contrast reduction factor:

$c_R = 1.0$

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

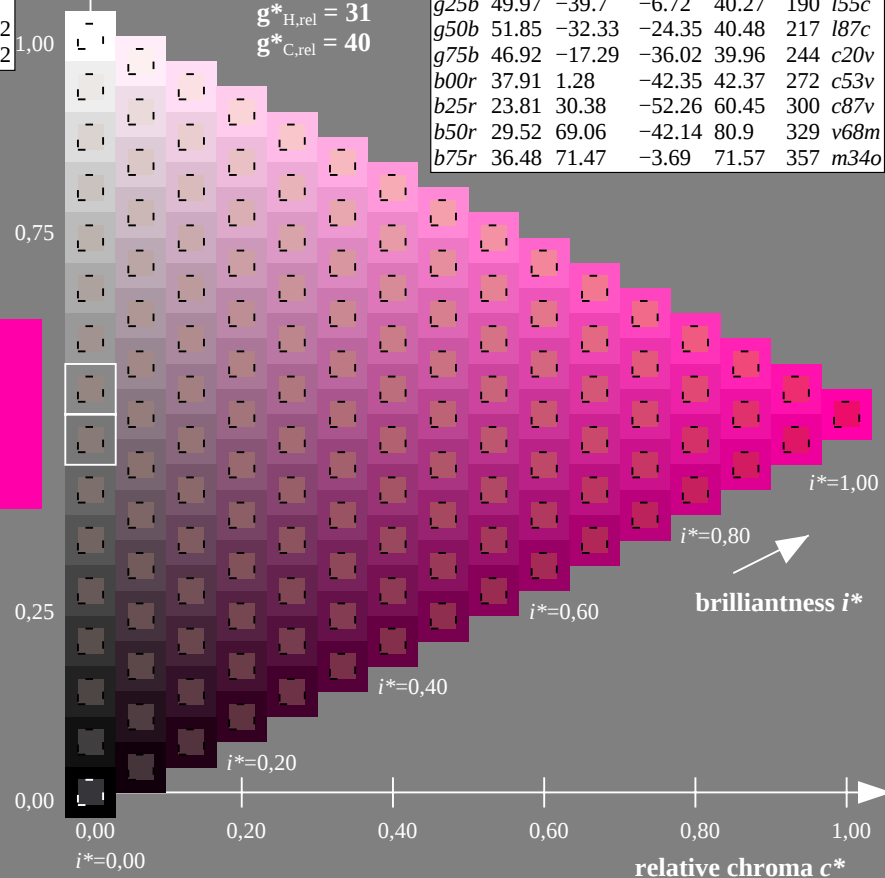
$u^*_{rel} = 109$

%Regularity

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

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

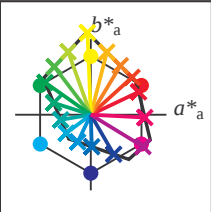
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	



	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	
01																																						
02																																						
03																																						
04																																						
05																																						
06																																						
07																																						
08																																						
09																																						
10																																						
11																																						
12																																						
13																																						
14																																						
15																																						
16																																						
17																																						
18																																						
19																																						
20																																						
21																																						
22																																						
23																																						
24																																						
25																																						
26																																						
27																																						

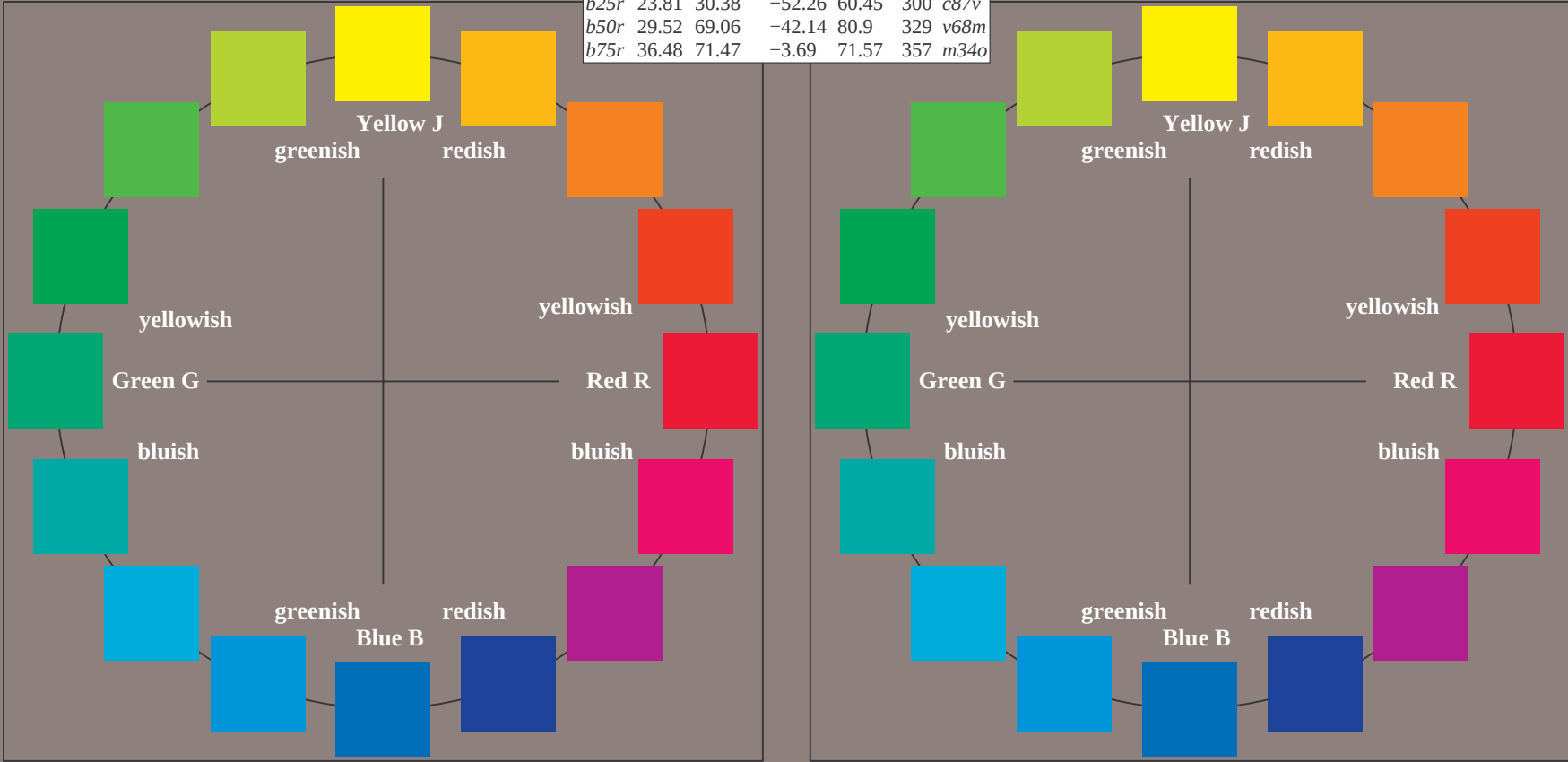
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 u_e^* and number *no.* = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues *r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.071$

$u^*_e = r00j$

data for any colour:

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

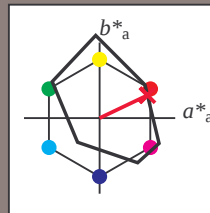
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

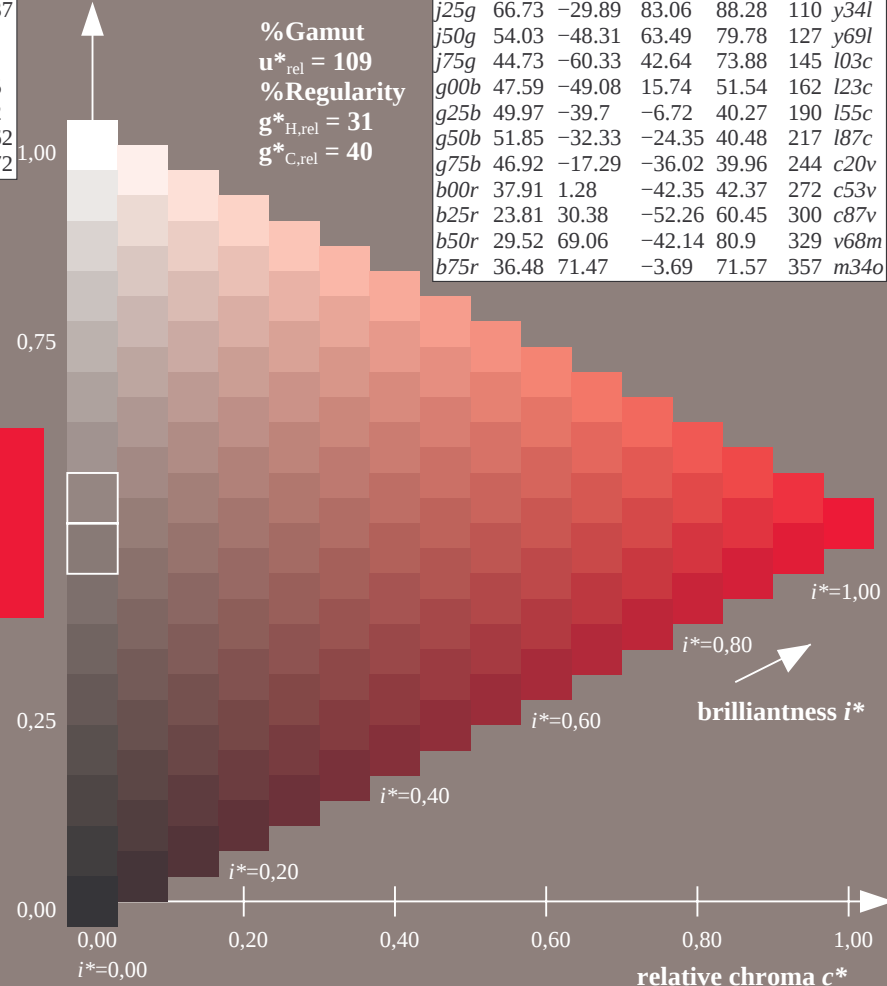
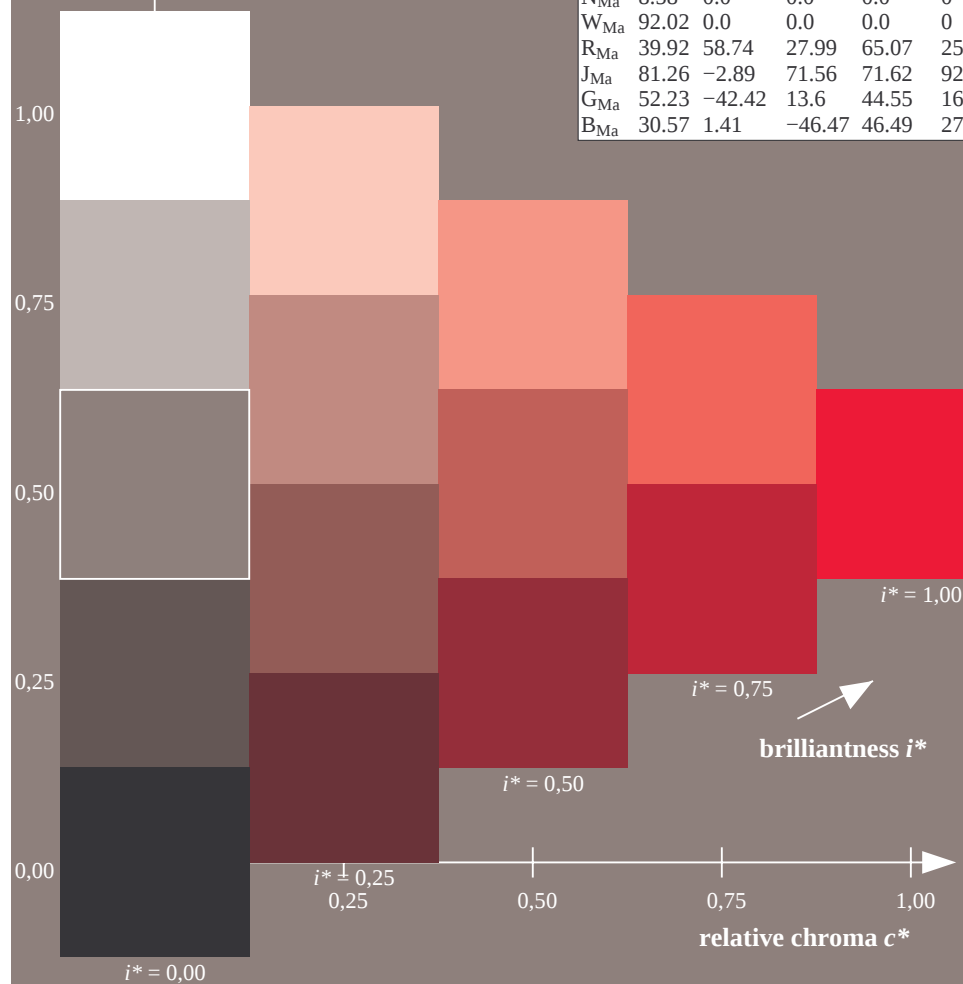
$LAB^*LCH^*_{Ma}$: 35 70 25

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.117$

$u^*_e = r25j$

data for any colour:

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

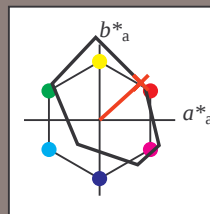
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

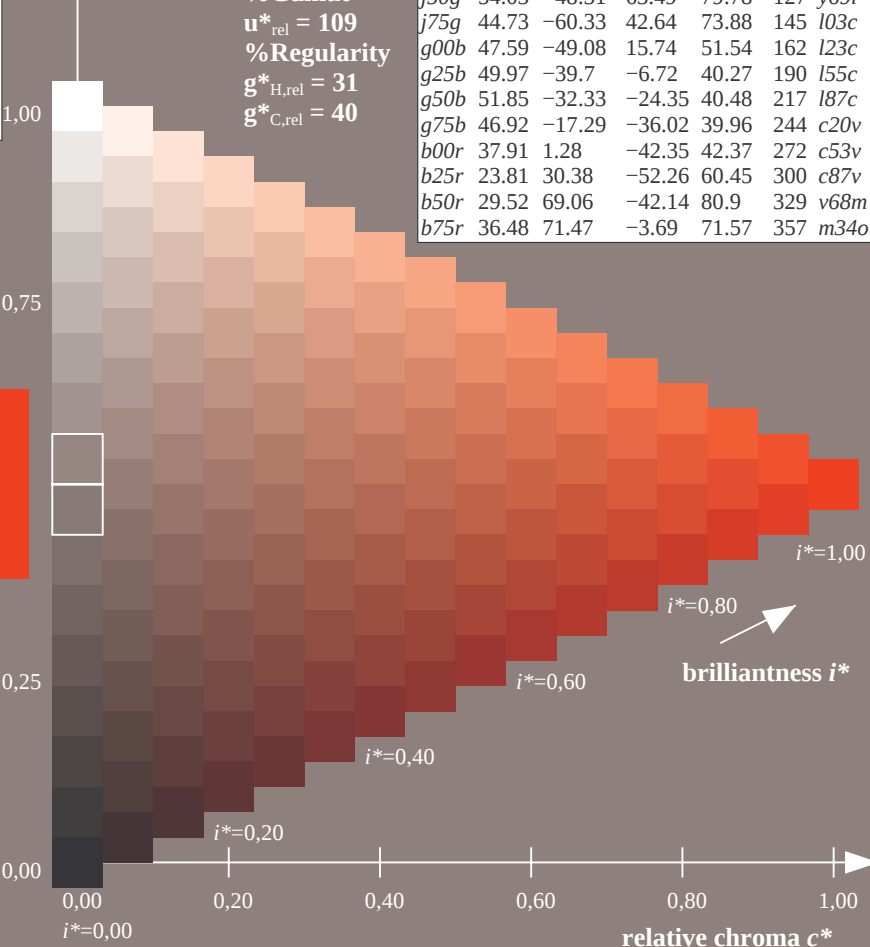
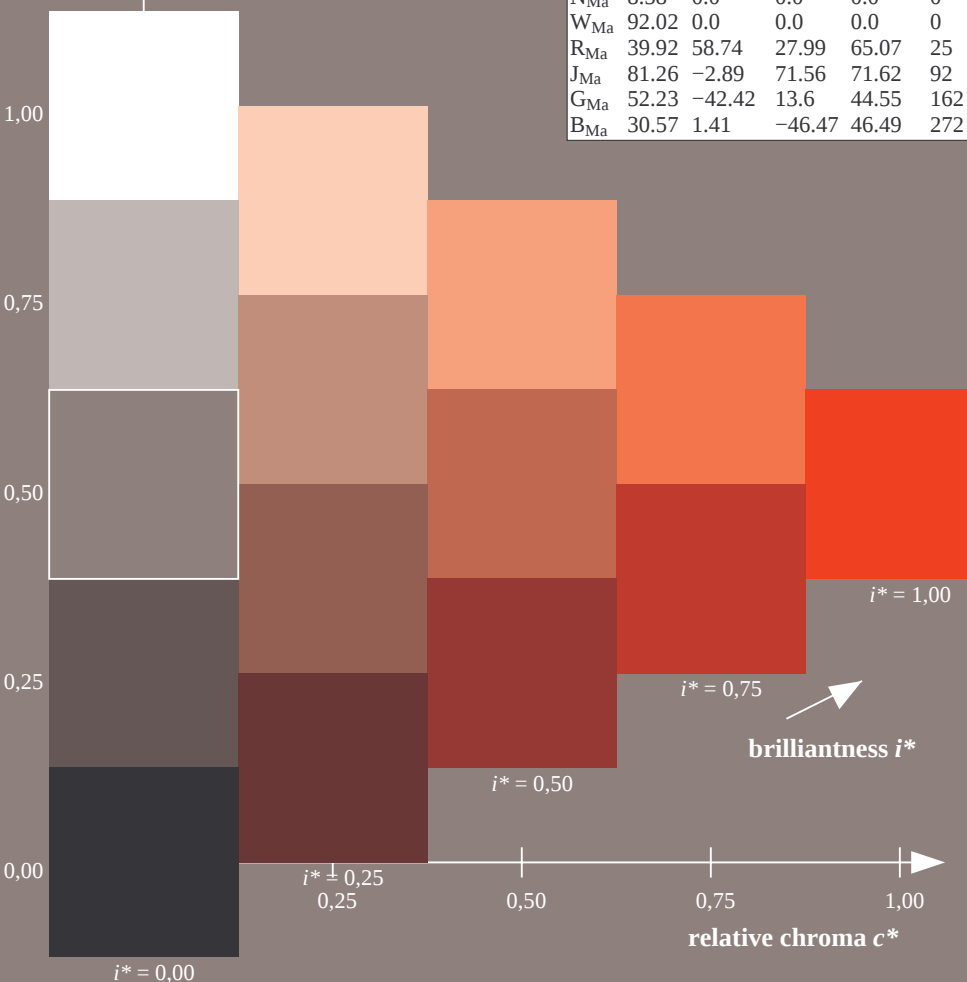
$LAB^*LCH^*_{Ma}$: 39 74 42

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

$u^*_e = r50j$

data for any colour:

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

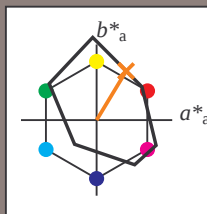
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

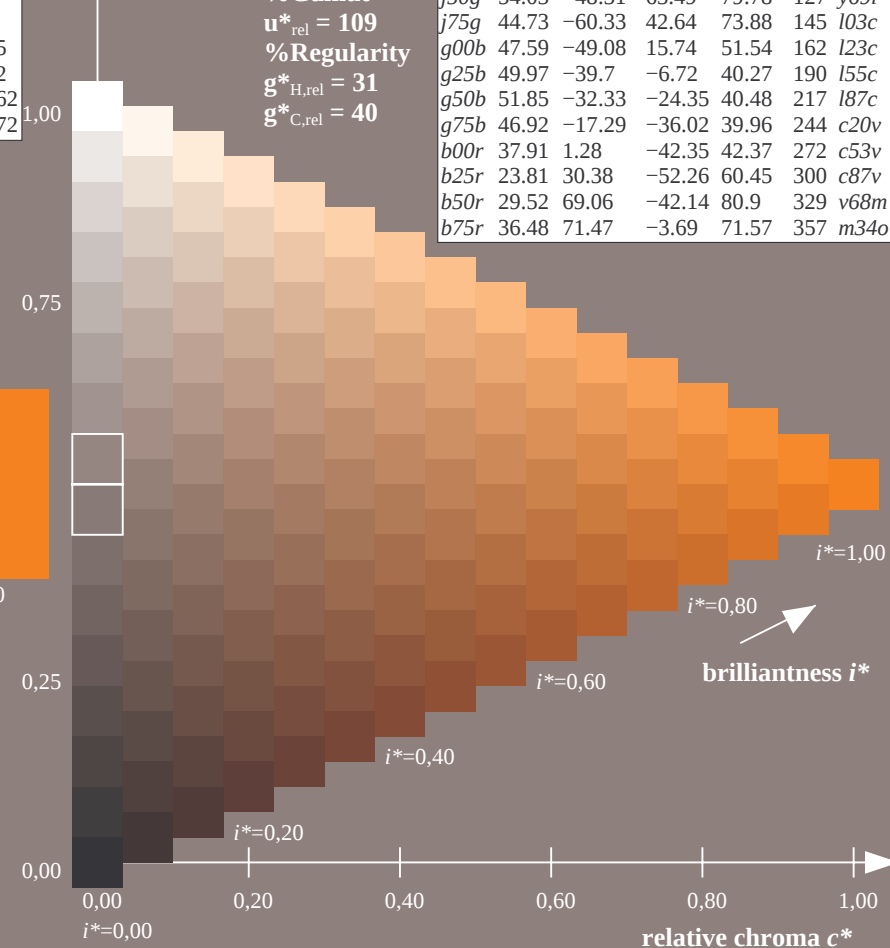
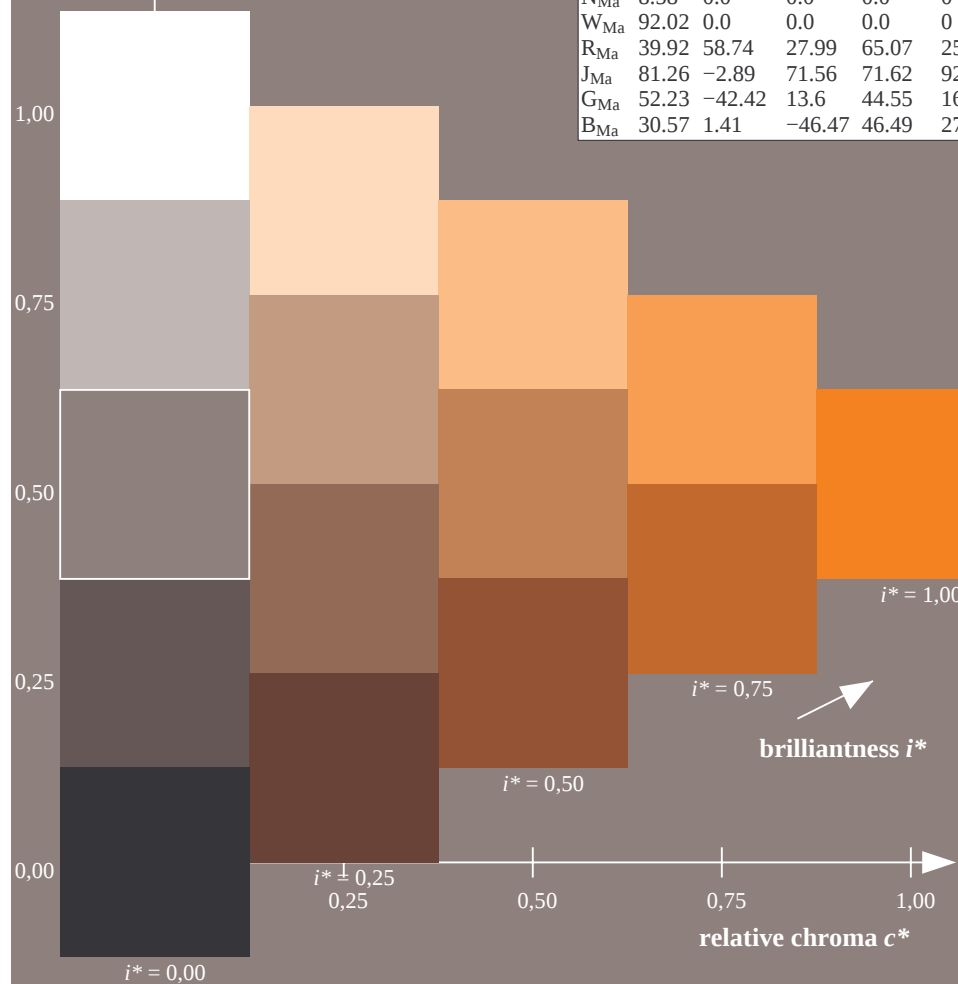
$LAB^*LCH^*_{Ma}$: 51 76 58

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

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

triangle lightness t^*

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:

$u^*_e = r75j$

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

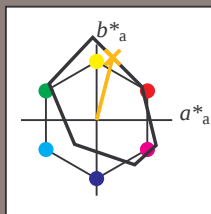
Hue texts:

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

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^*

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	

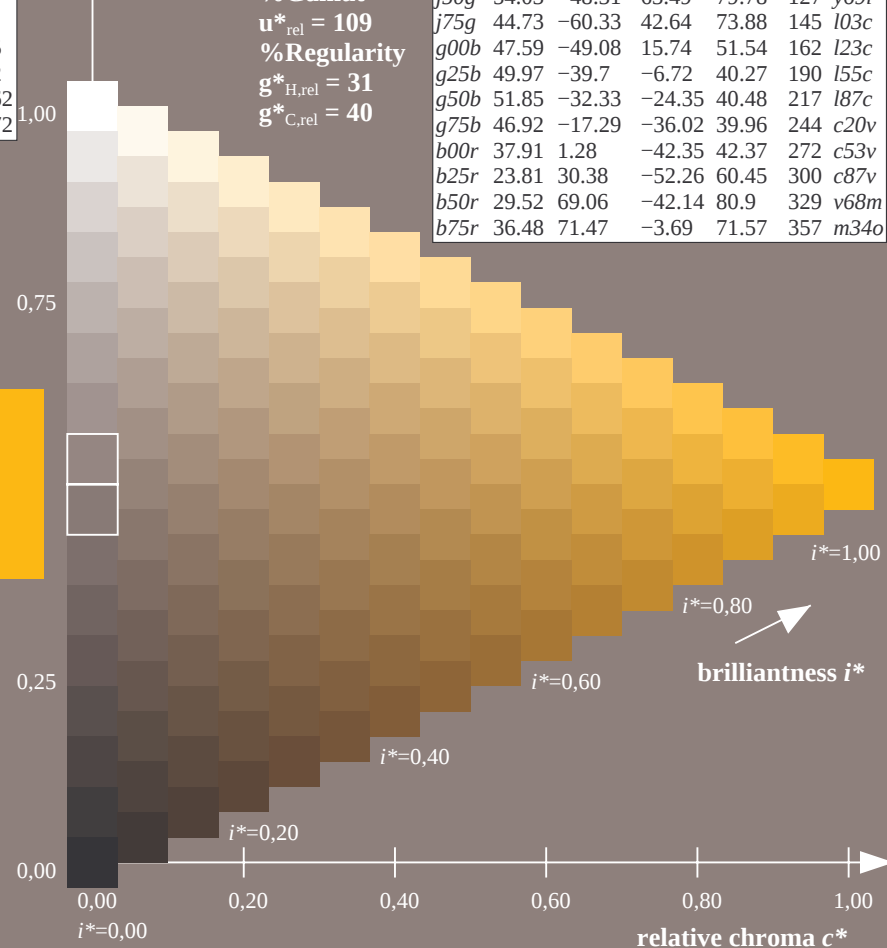
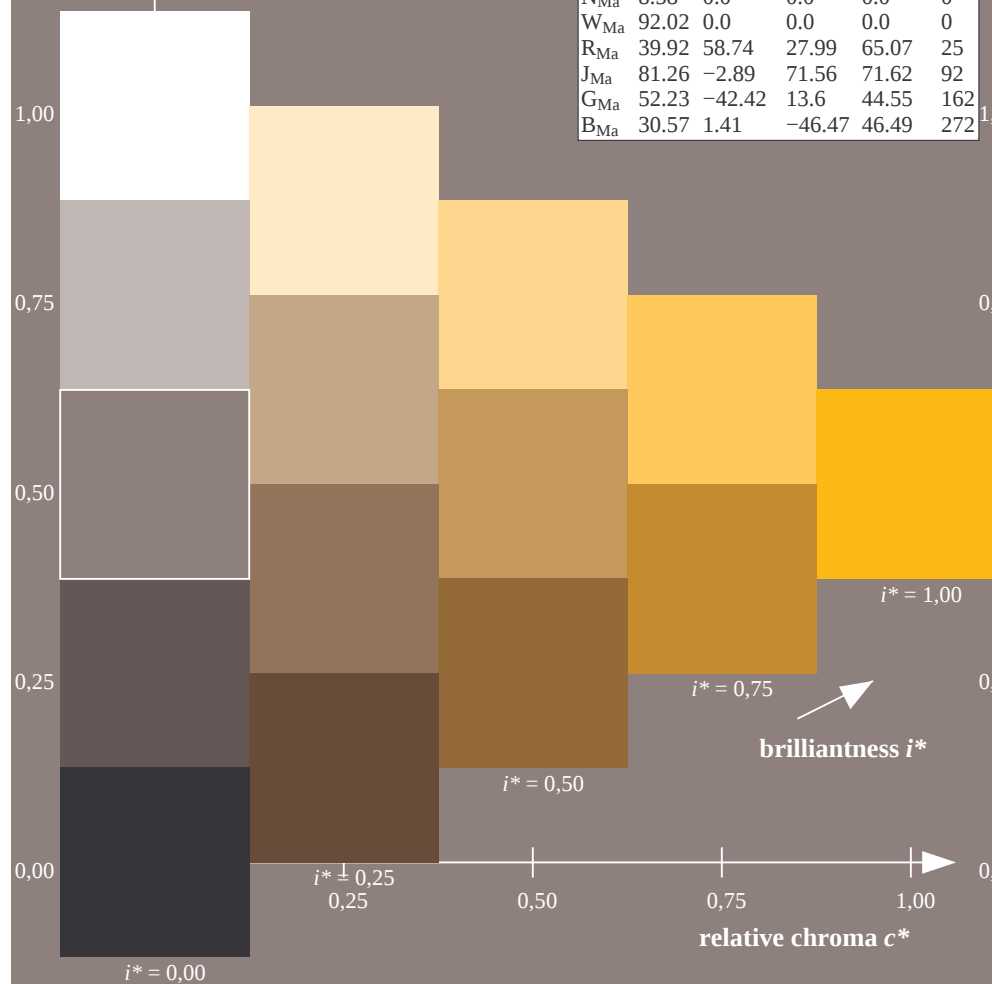
%Gamut

$u^*_{rel} = 109$

%Regularity

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

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



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^*

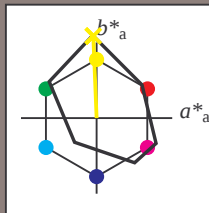
Hue texts:

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

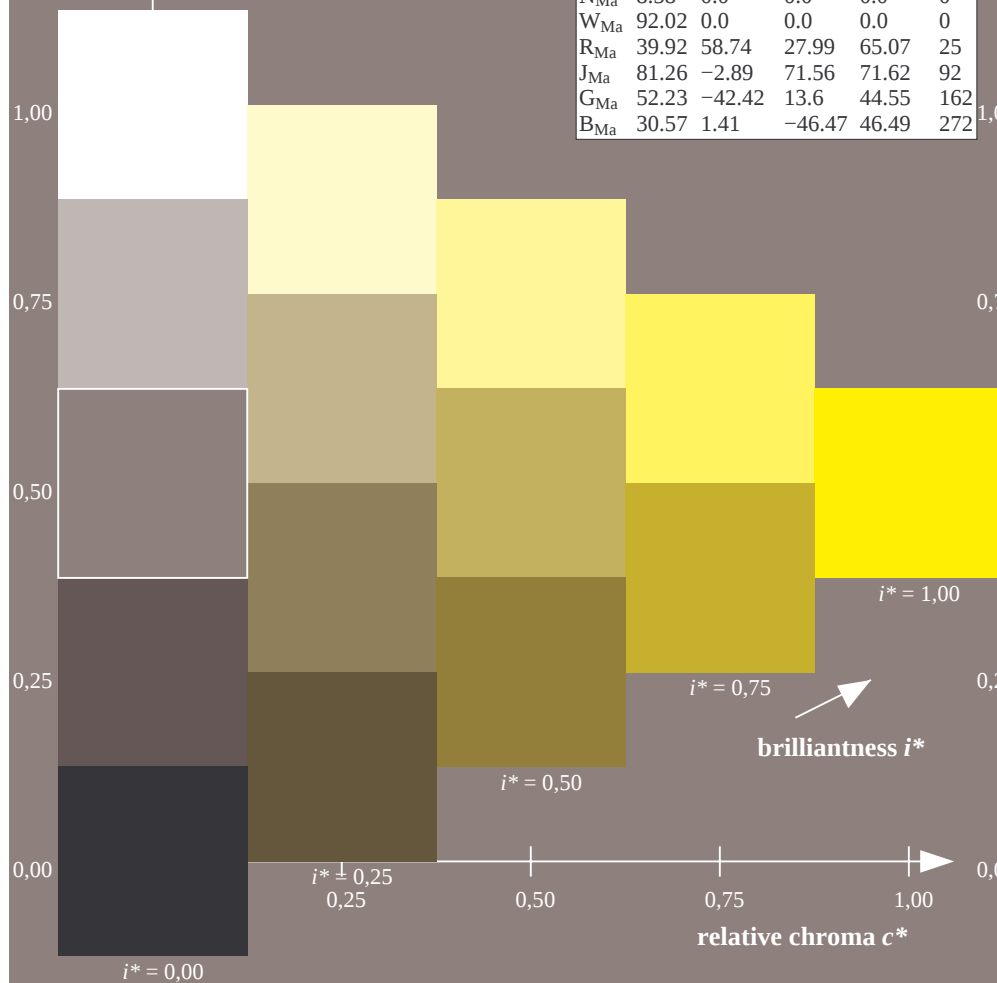
contrast reduction factor:

$c_R = 1.0$

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^*

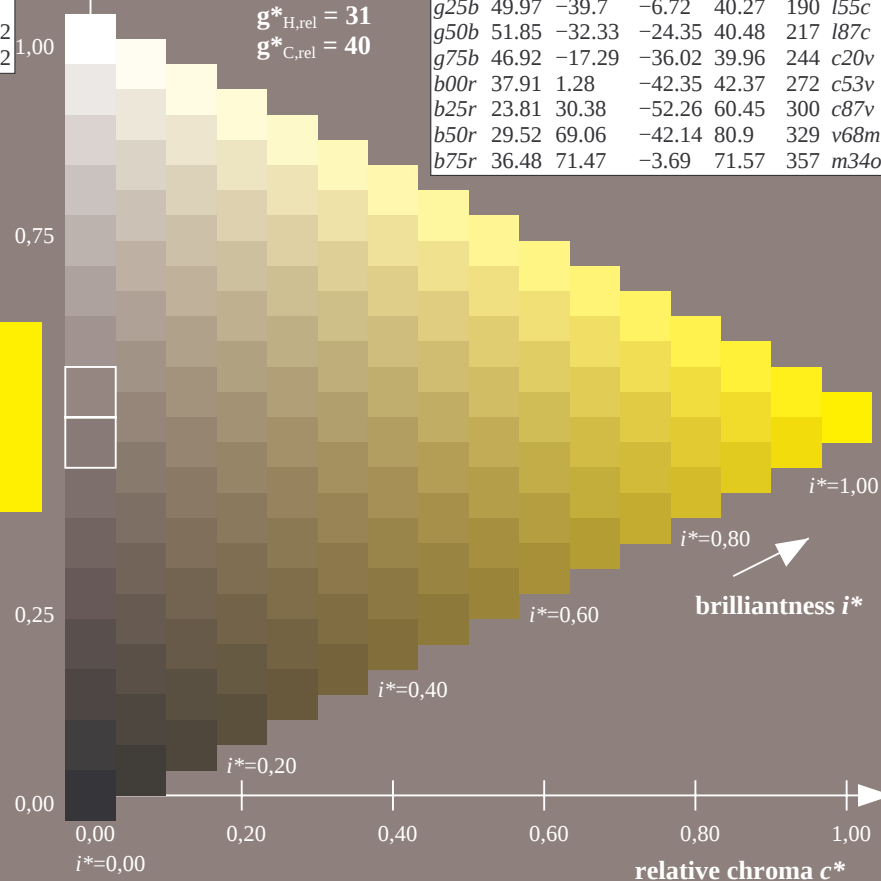
%Gamut

$u^*_{rel} = 109$

%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 $h^* = lab^*h^* = h_{ab}/360 = 0.305$

$u^*_e = j25g$

data for any colour:

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

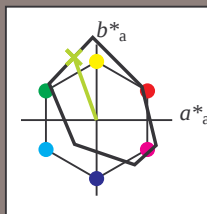
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

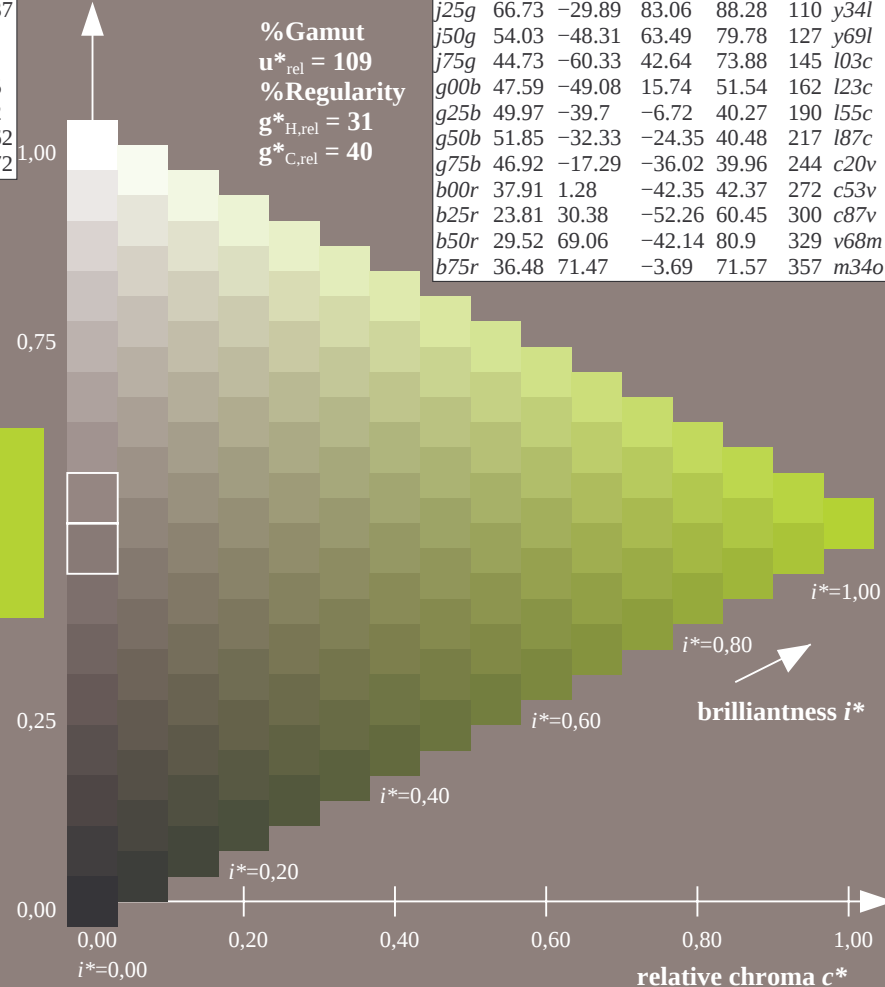
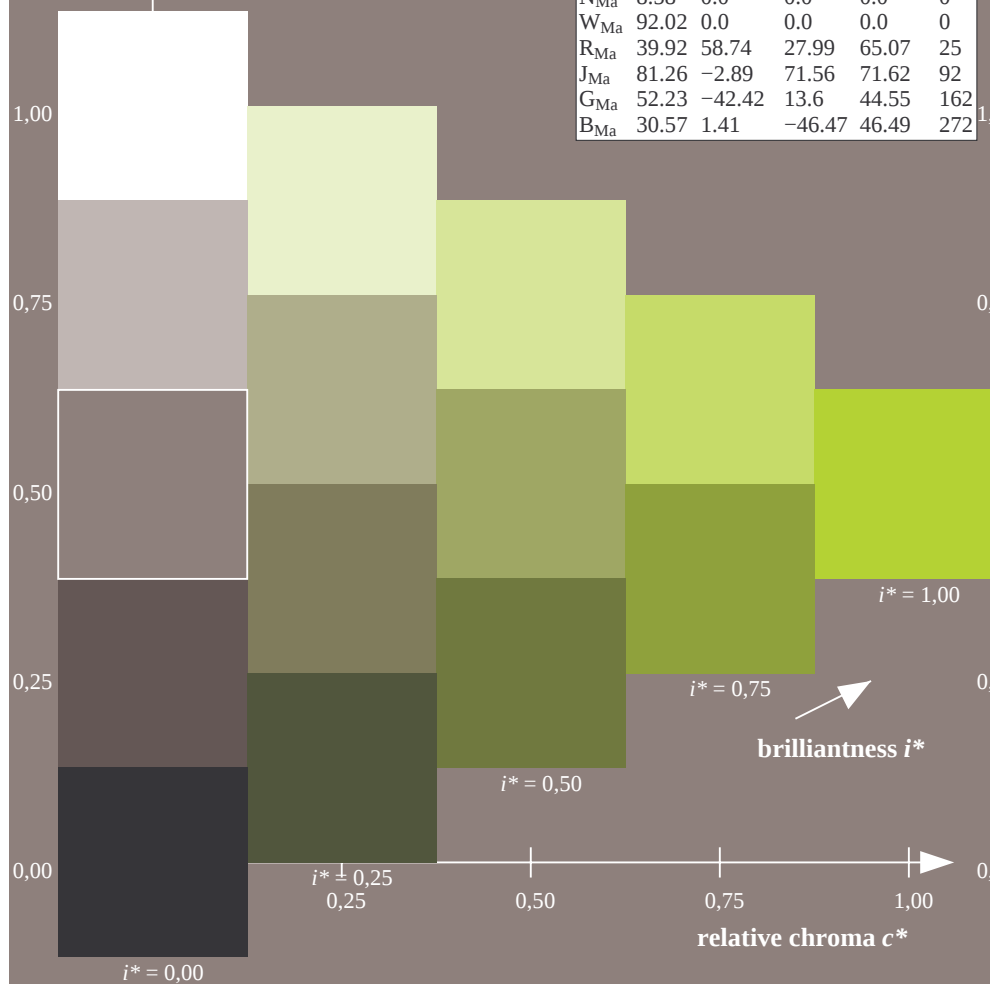
$LAB^*LCH^*_{Ma}$: 67 88 109

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

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

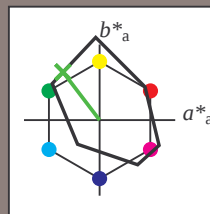
triangle lightness t^*

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	

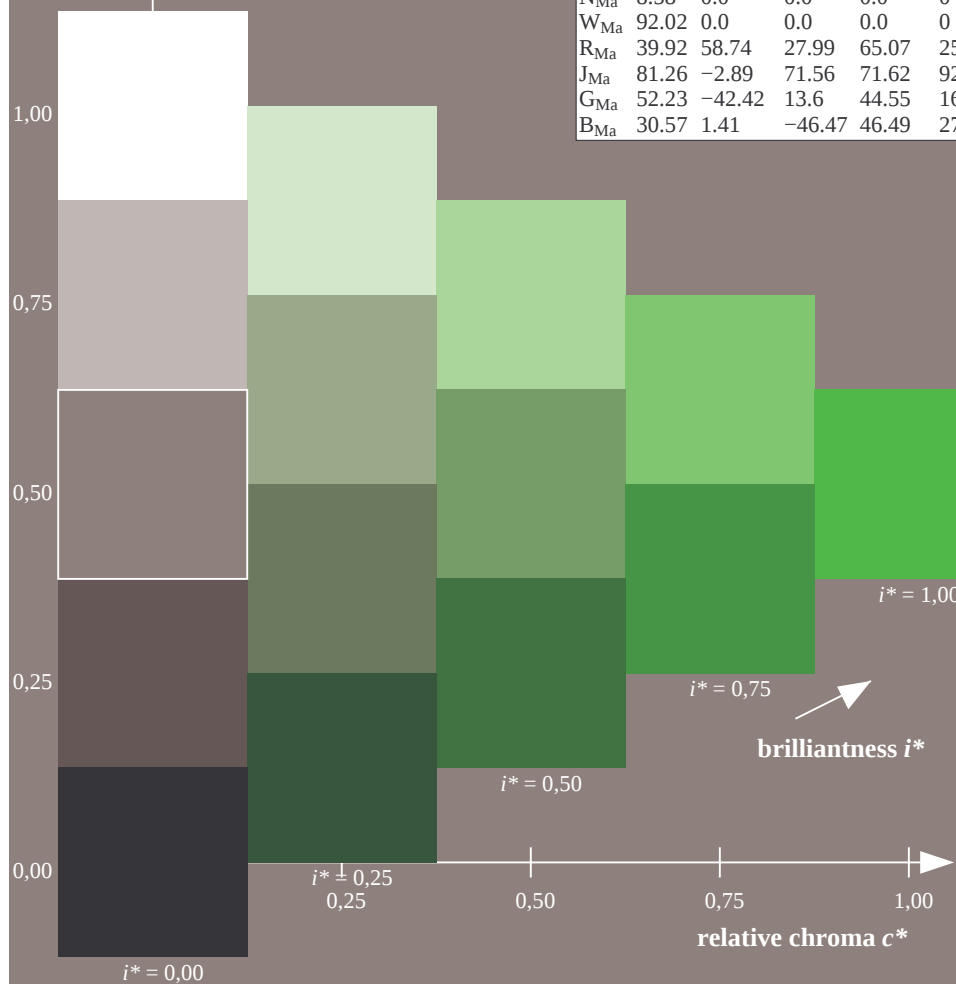


Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:

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

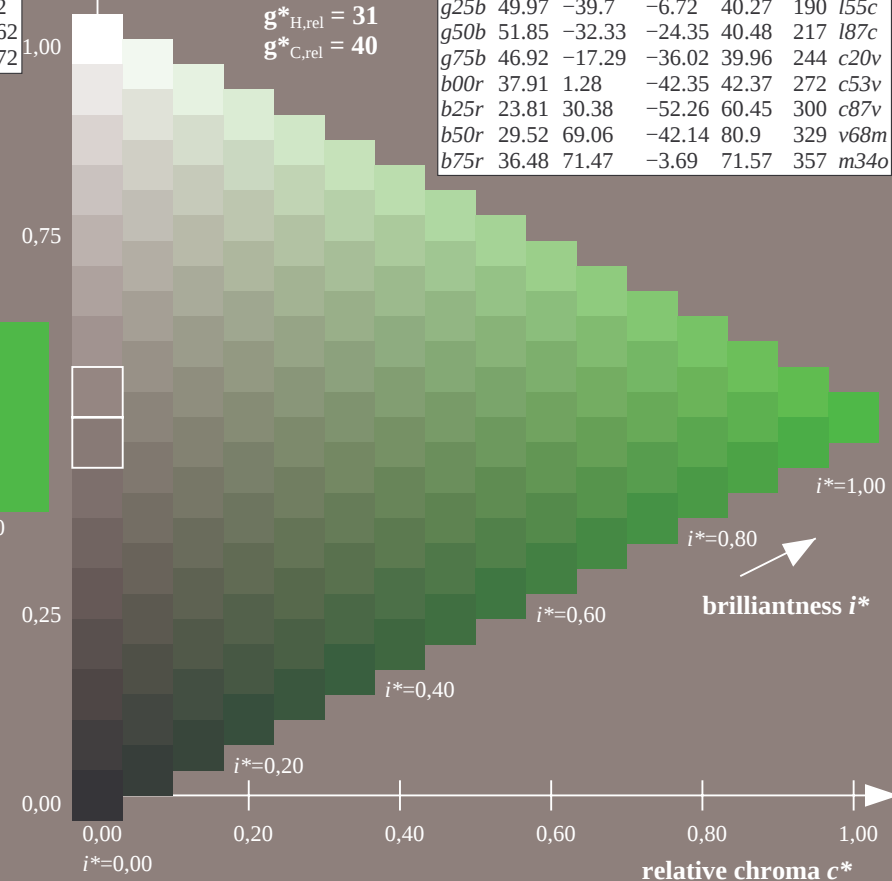
$u^*_{rel} = 109$

%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	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03	-48.31	63.49	79.78	127	y69l	
j75g	44.73	-60.33	42.64	73.88	145	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	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 $h^* = lab^*h^* = h_{ab}/360 = 0.402$

$u^*_e = j75g$

data for any colour:

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

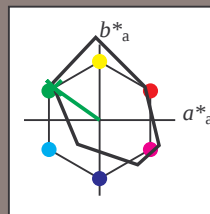
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

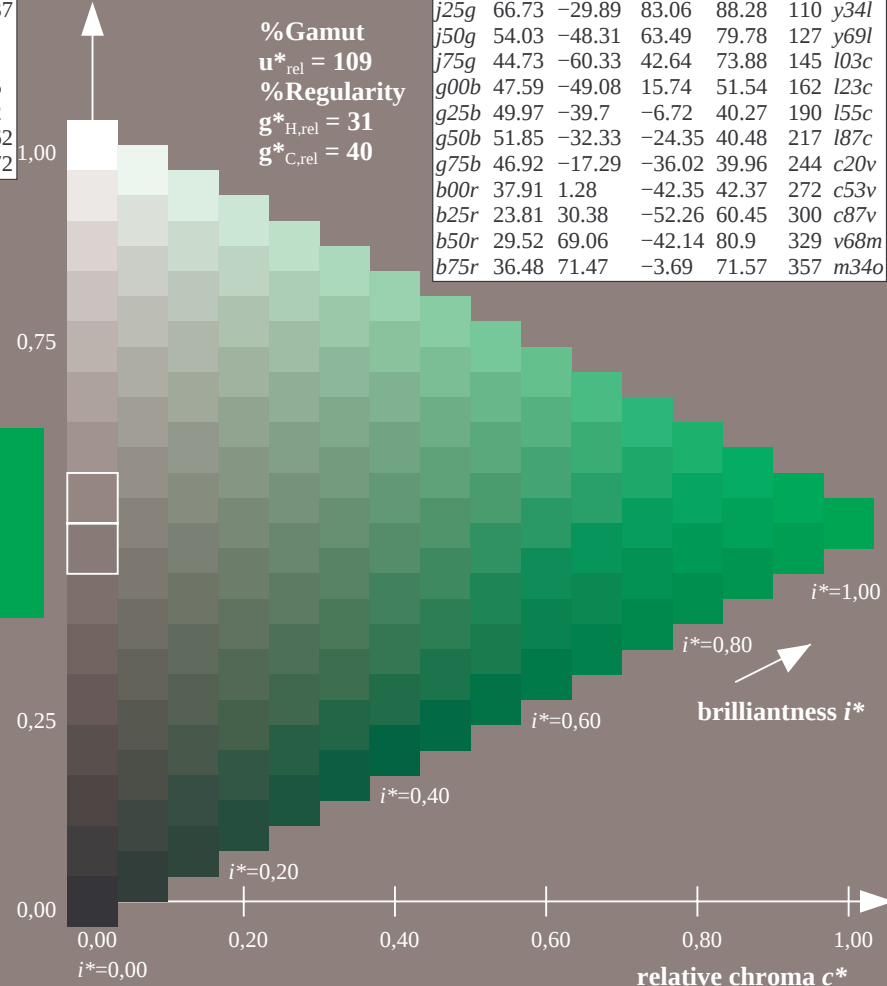
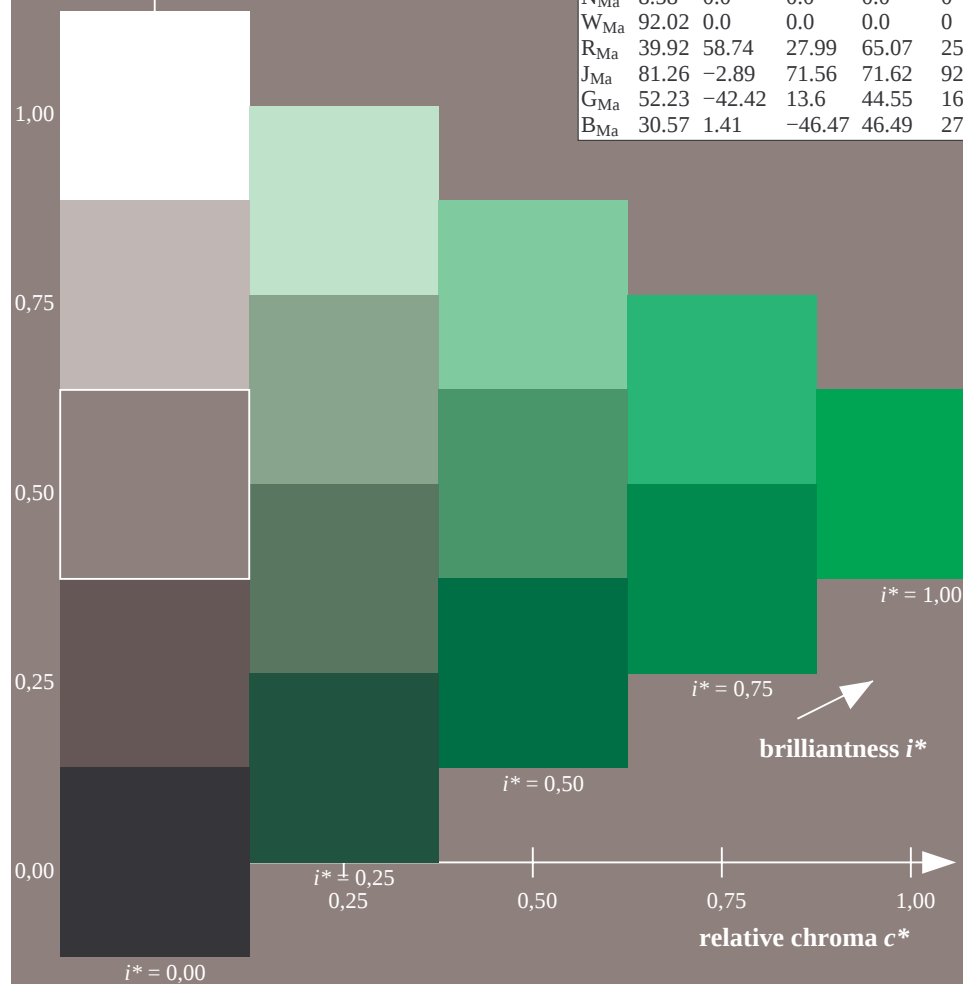
$LAB^*LCH^*_{Ma}$: 45 74 144

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.451$

$u^*_e = g00b$

data for any colour:

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

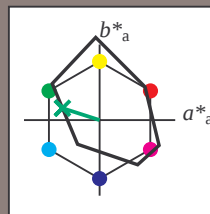
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

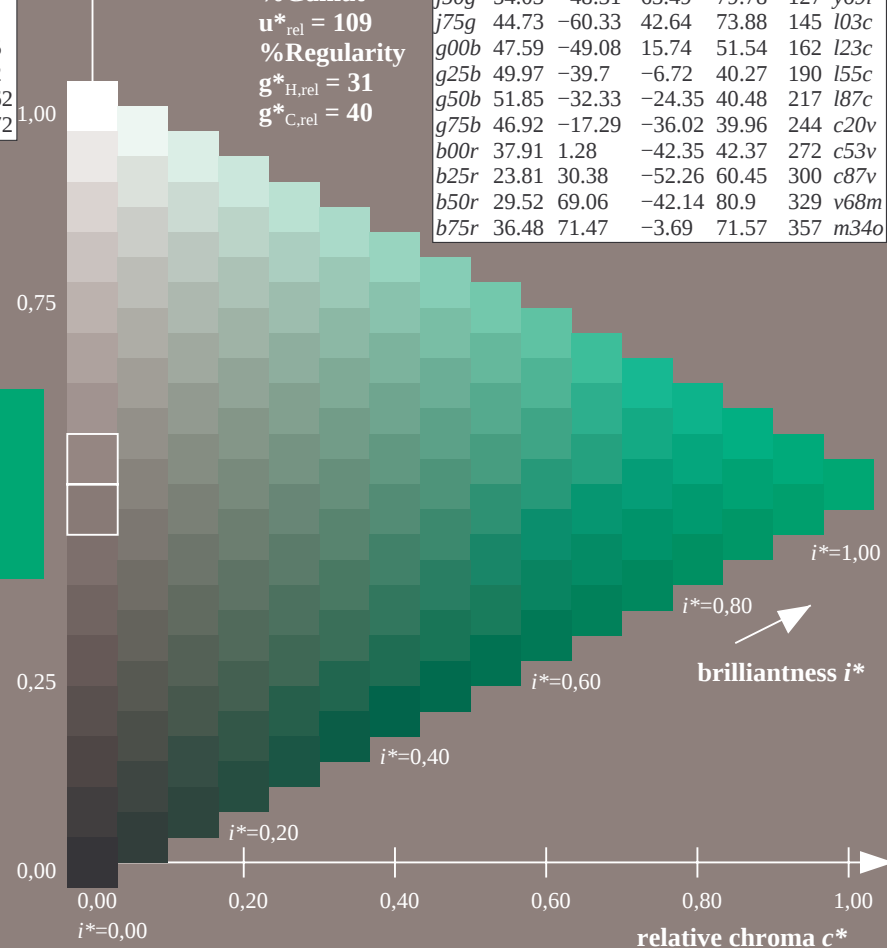
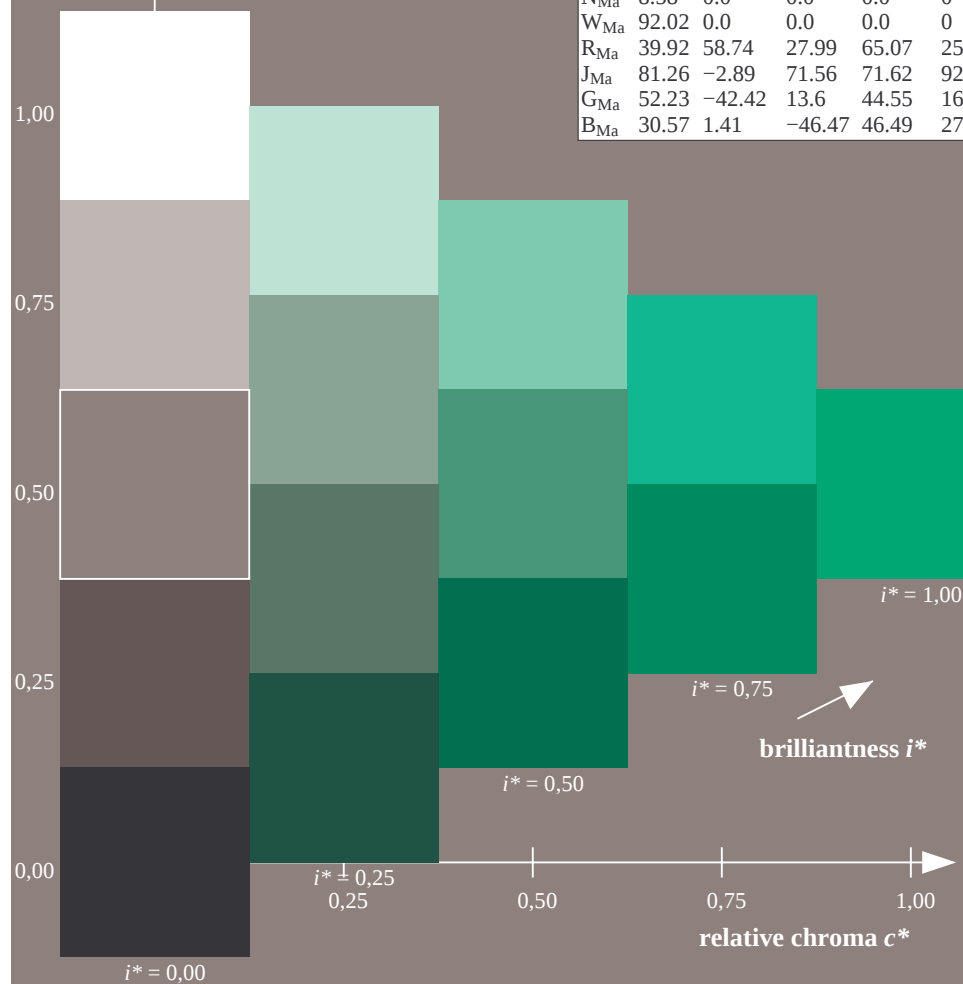
$LAB^*LCH^*_{Ma}$: 48 52 162

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

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

triangle lightness t^*

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^*

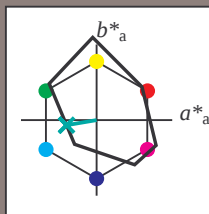
Hue texts:

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

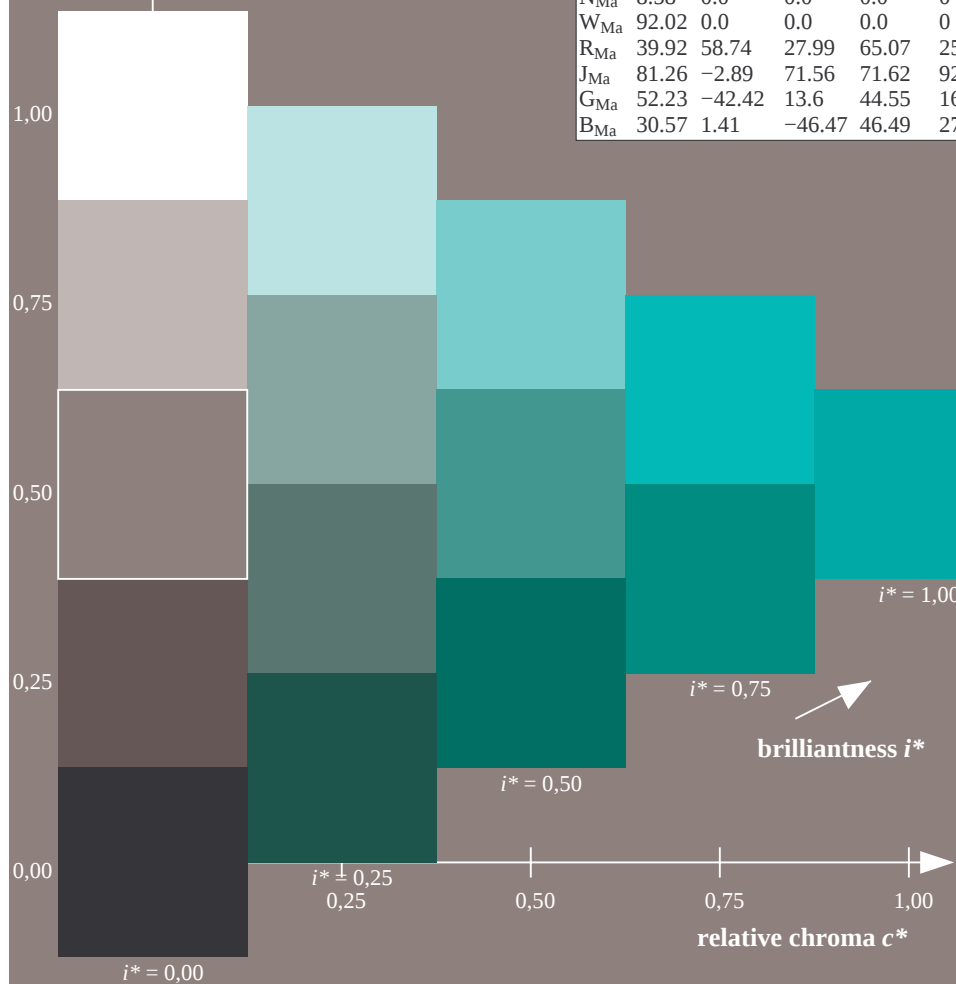
contrast reduction factor:

$c_R = 1.0$

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

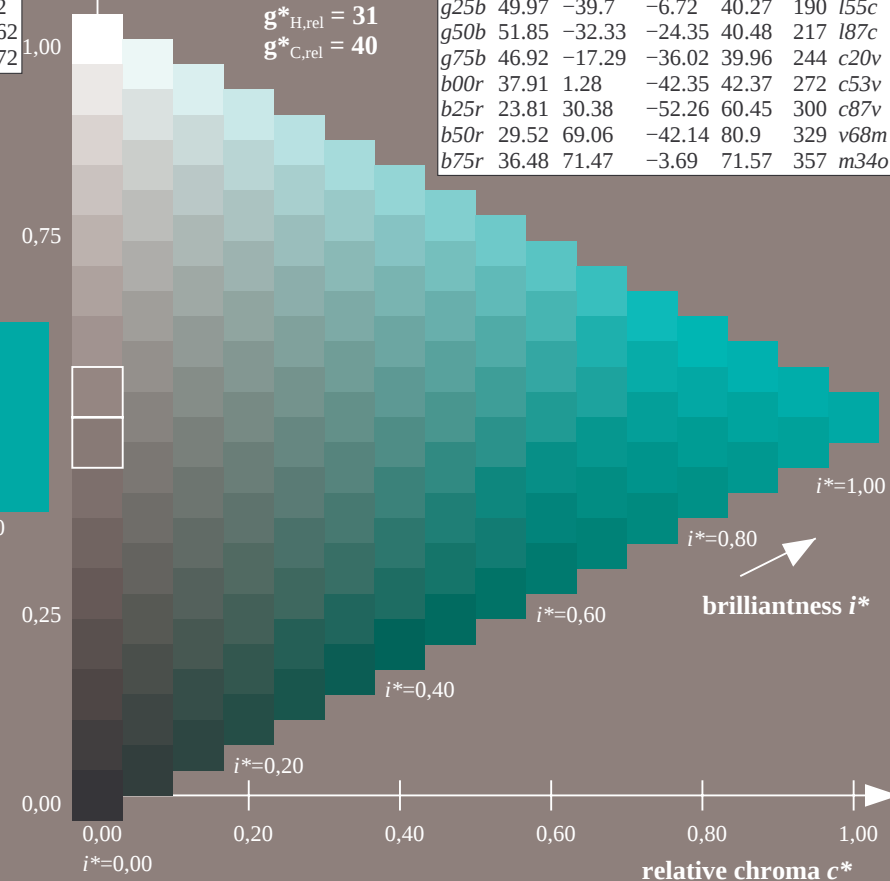
$u^*_{rel} = 109$

%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 $h^* = lab^*h^* = h_{ab}/360 = 0.603$

$u^*_e = g50b$

data for any colour:

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

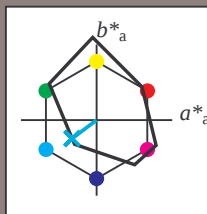
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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):

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

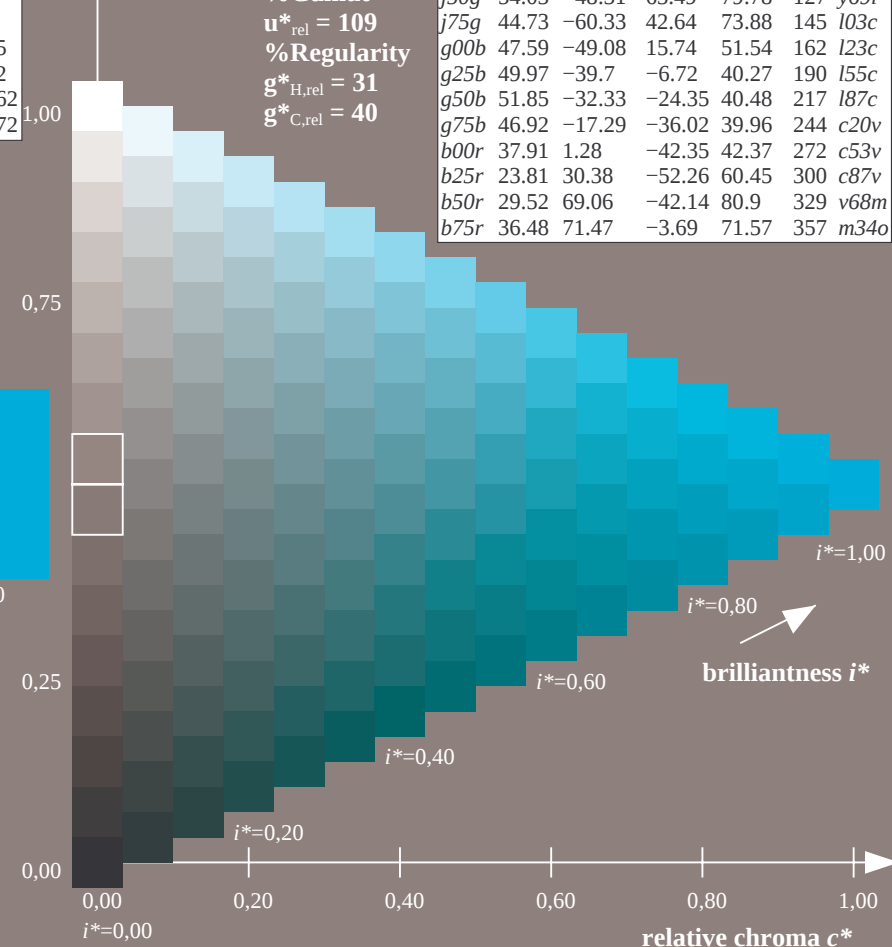
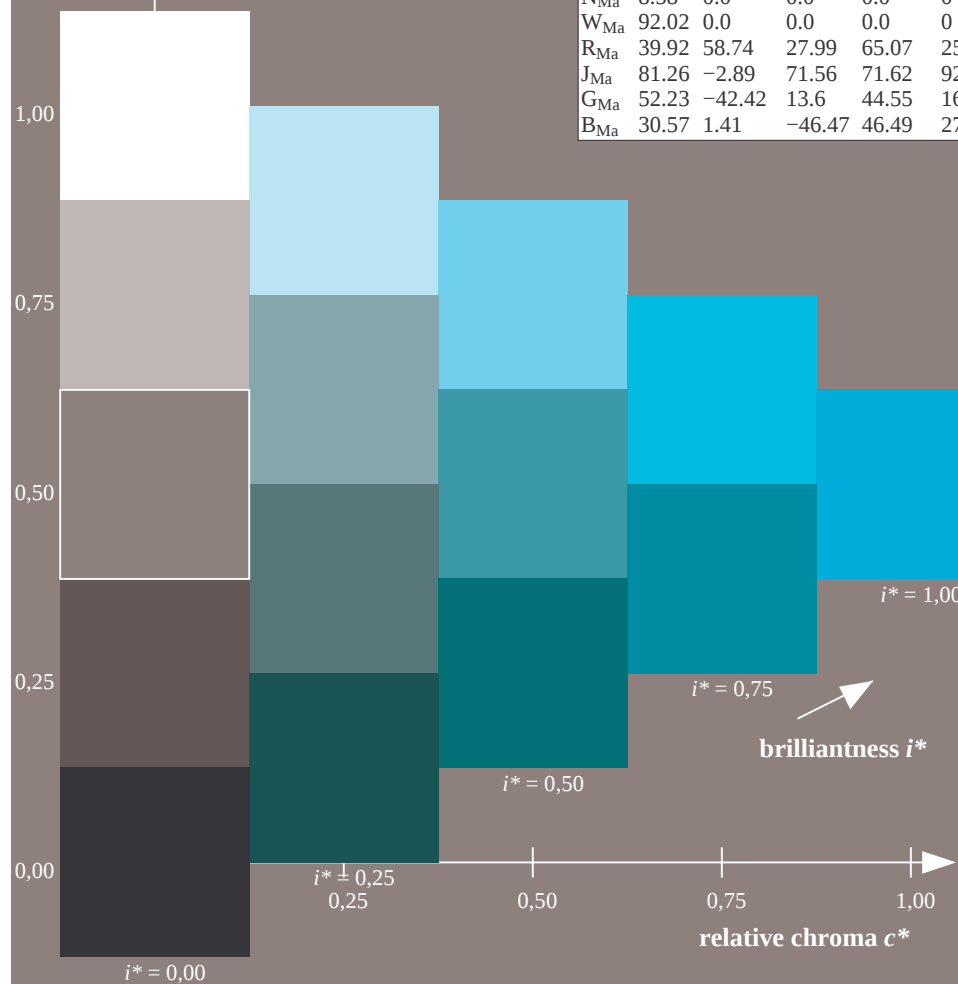
$LAB^*LCH^*_{Ma}: 52 40 216$

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.679$

$u^*_e = g75b$

data for any colour:

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

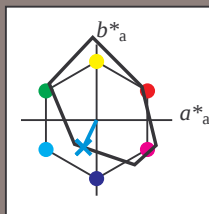
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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):

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

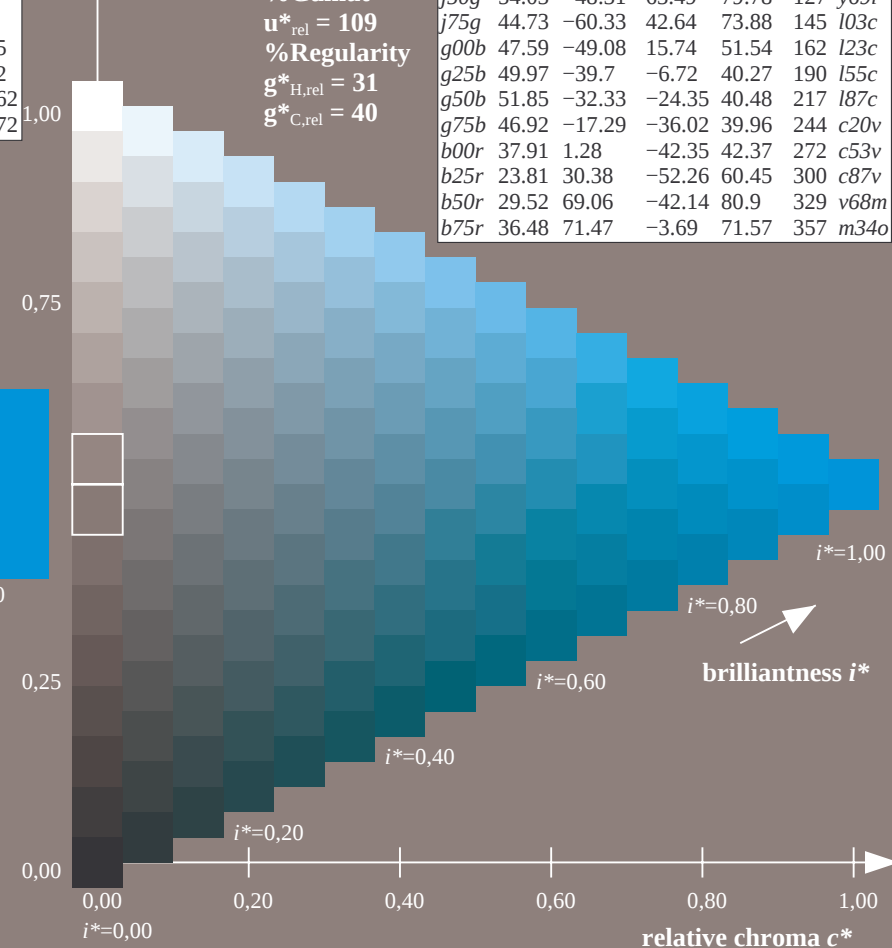
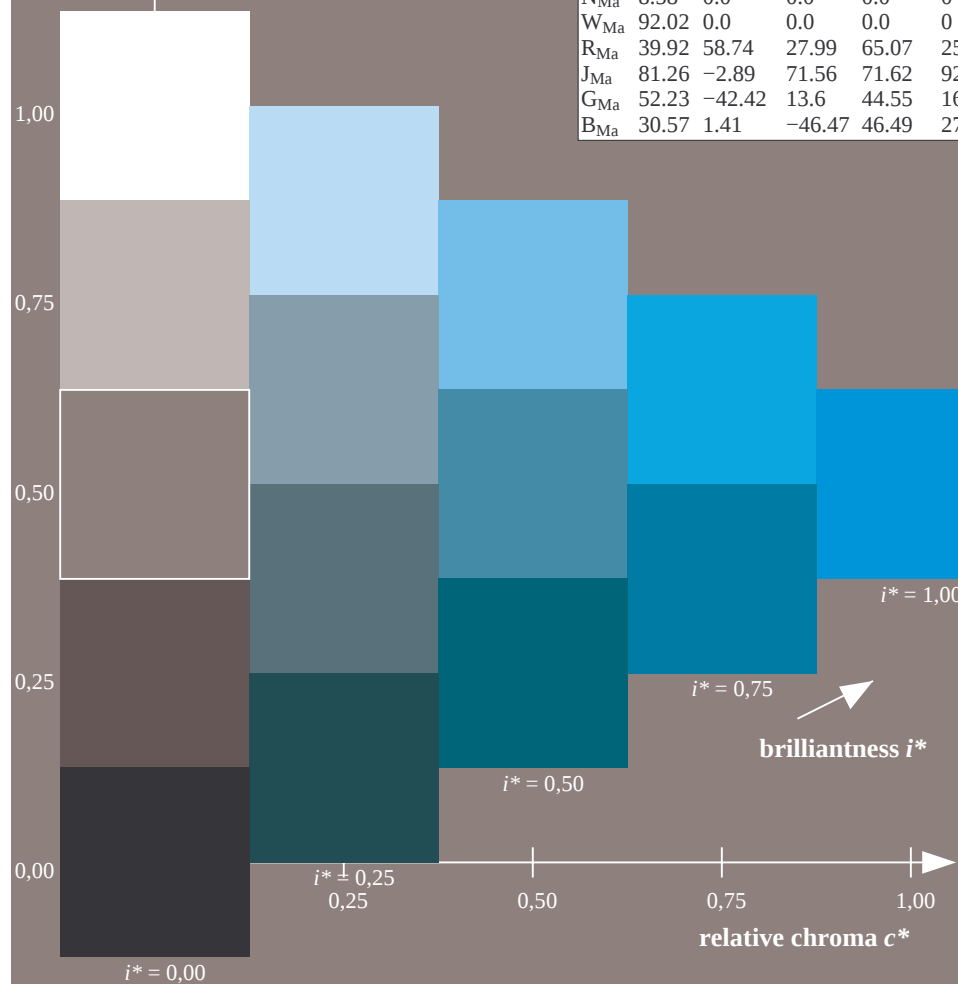
$LAB^*LCH^*_{Ma}: 47 \ 40 \ 244$

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.755$

$u^*_e = b00r$

data for any colour:

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

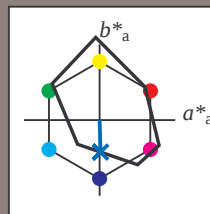
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

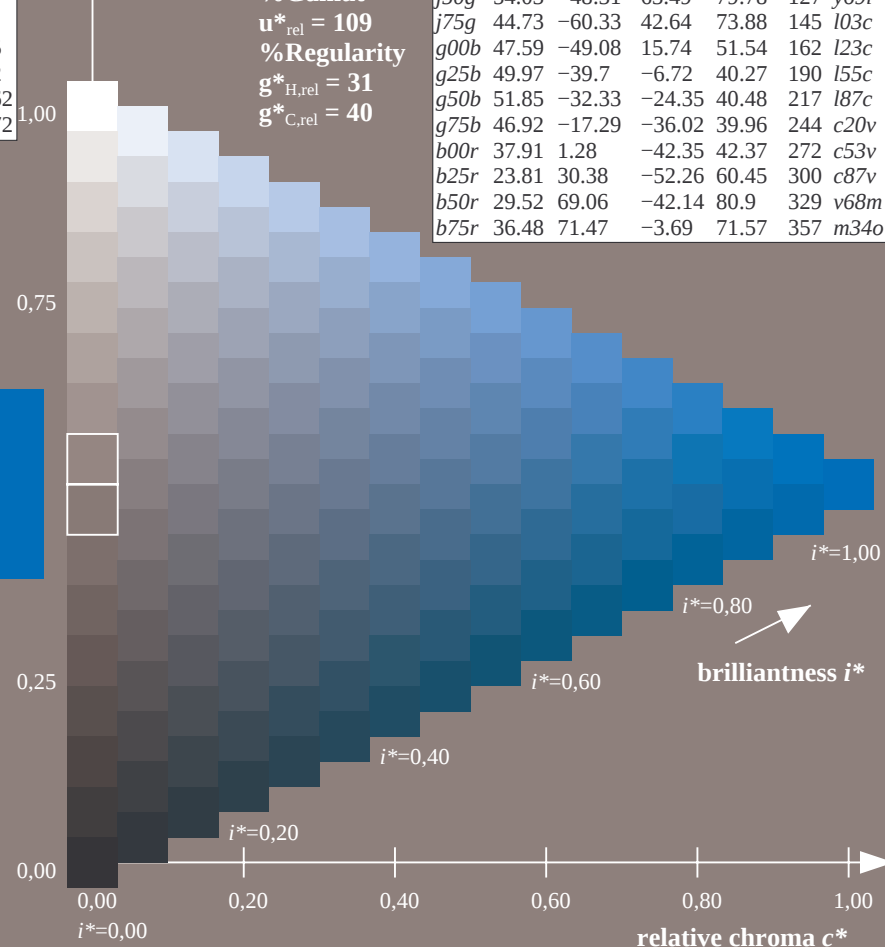
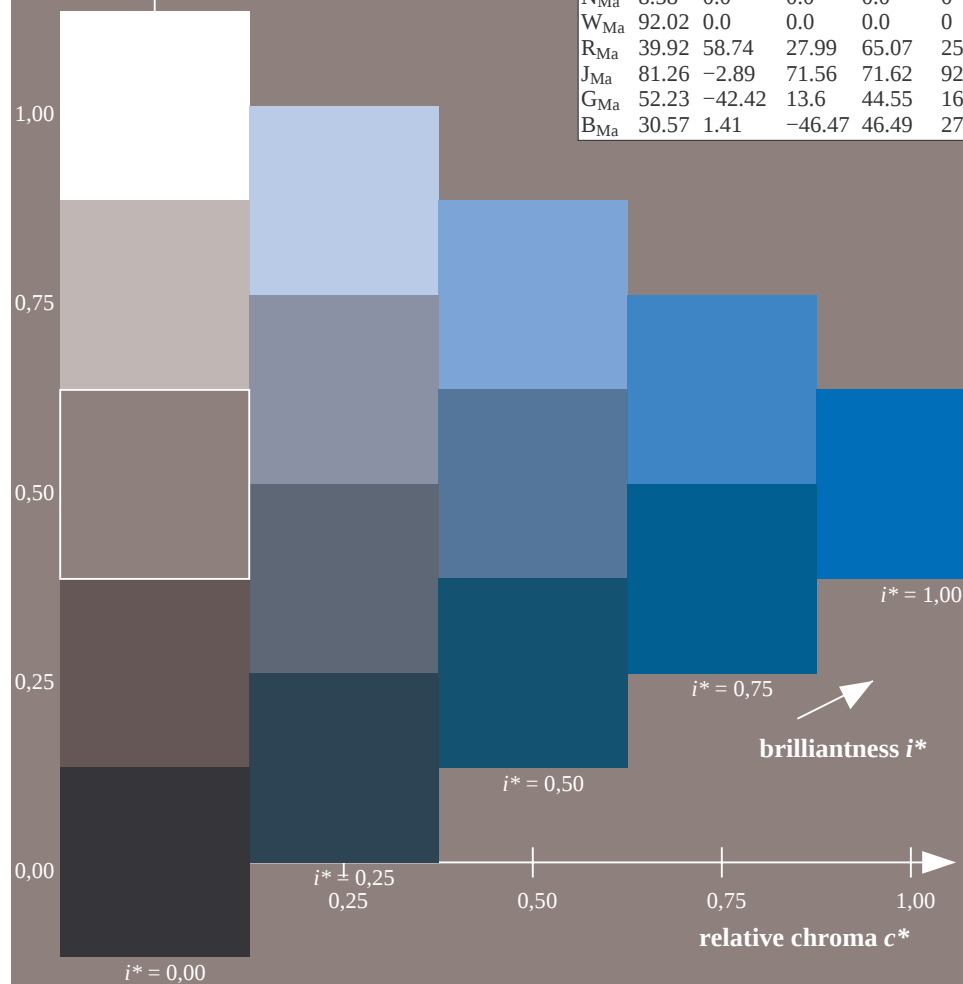
$LAB^*LCH^*_{Ma}$: 38 42 271

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.834$

$u^*_e = b25r$

data for any colour:

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

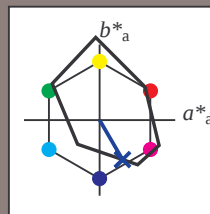
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

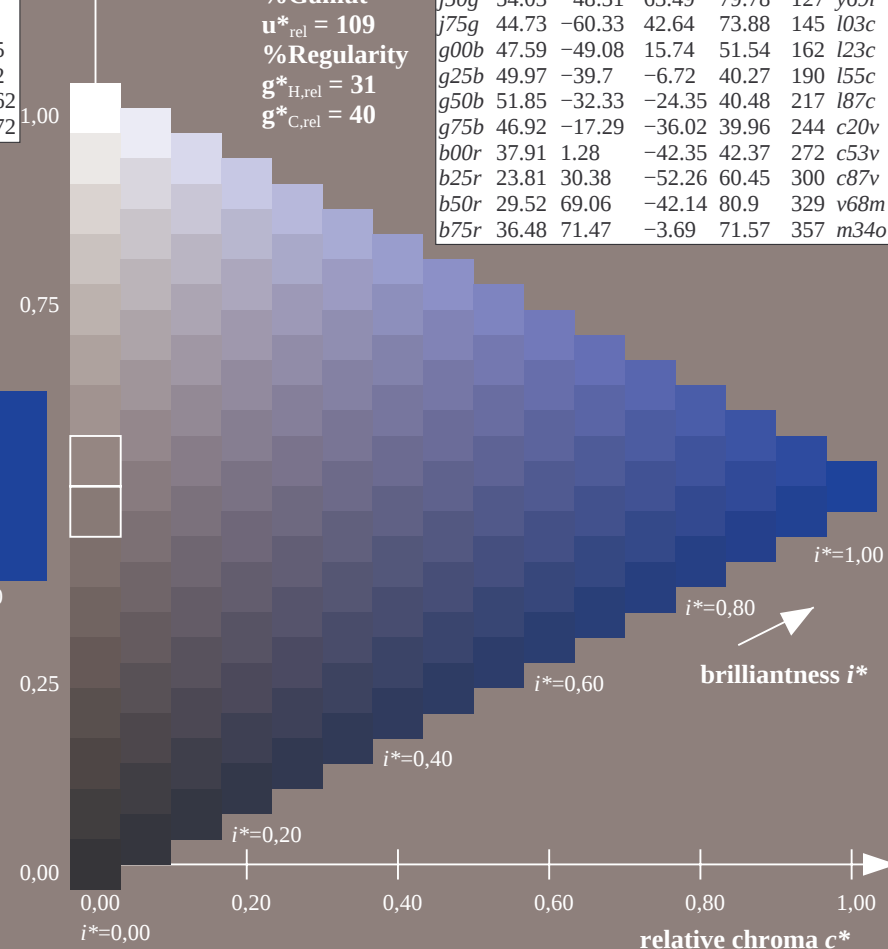
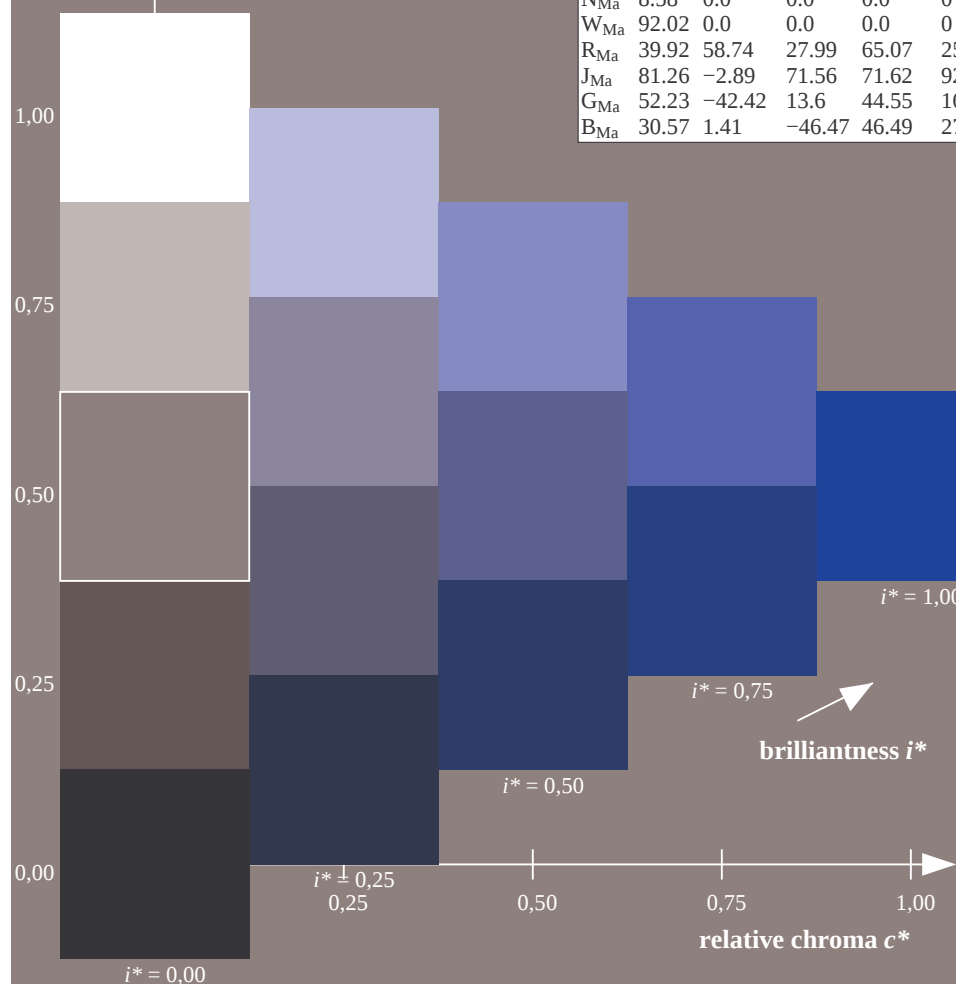
$LAB^*LCH^*_{Ma}$: 24 60 300

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.913$

$u^*_e = b50r$

data for any colour:

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

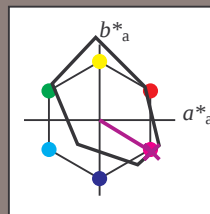
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

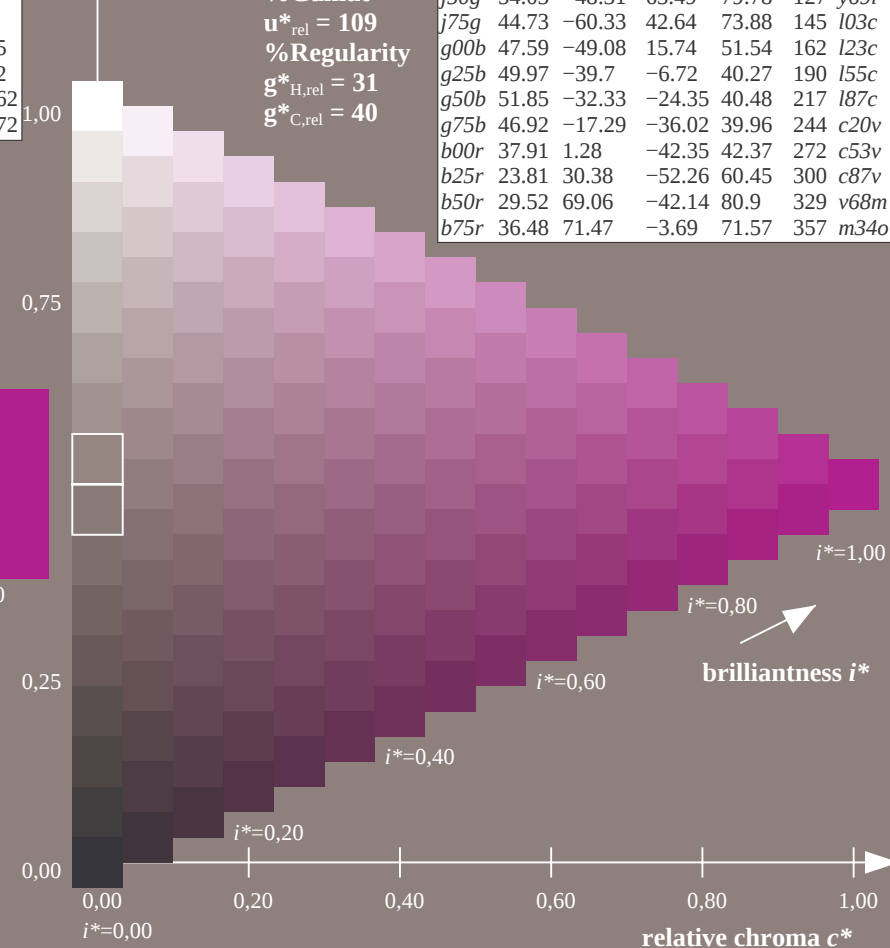
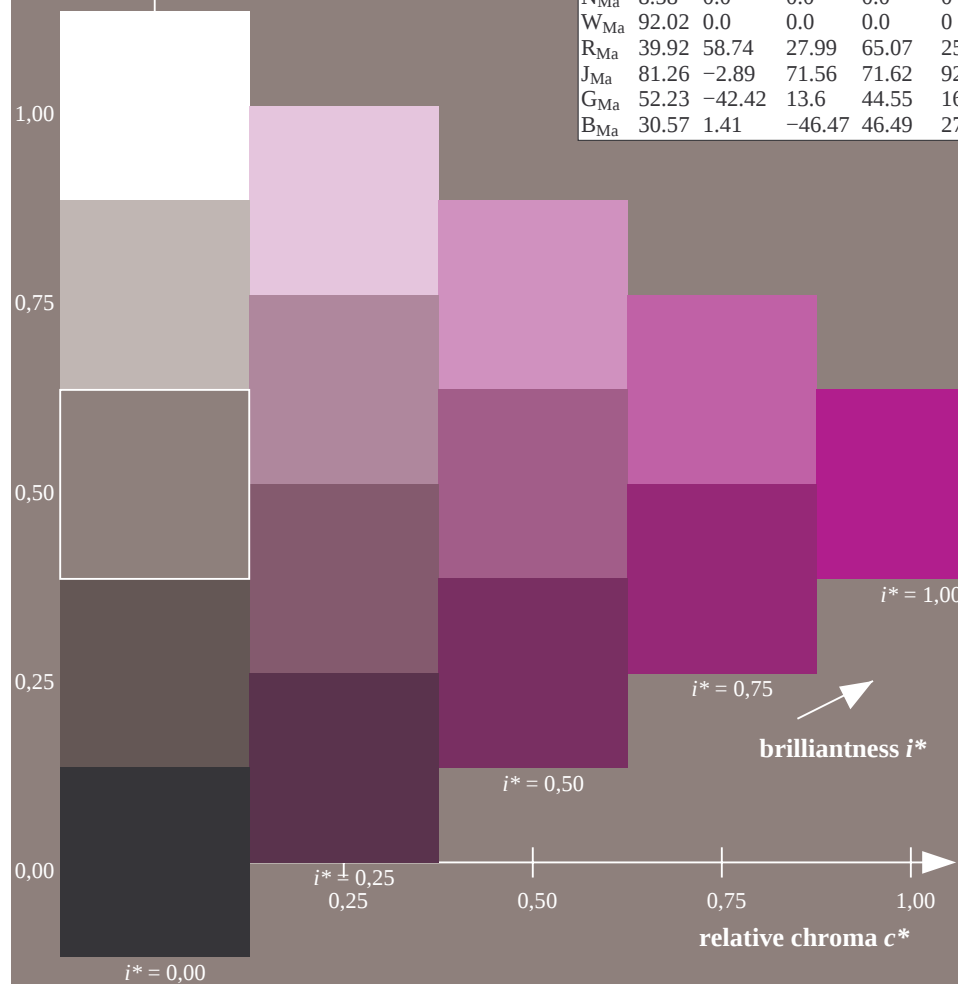
$LAB^*LCH^*_{Ma}$: 30 81 328

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

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.992$

$u^*_e = b75r$

data for any colour:

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

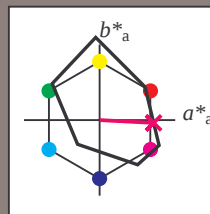
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



	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

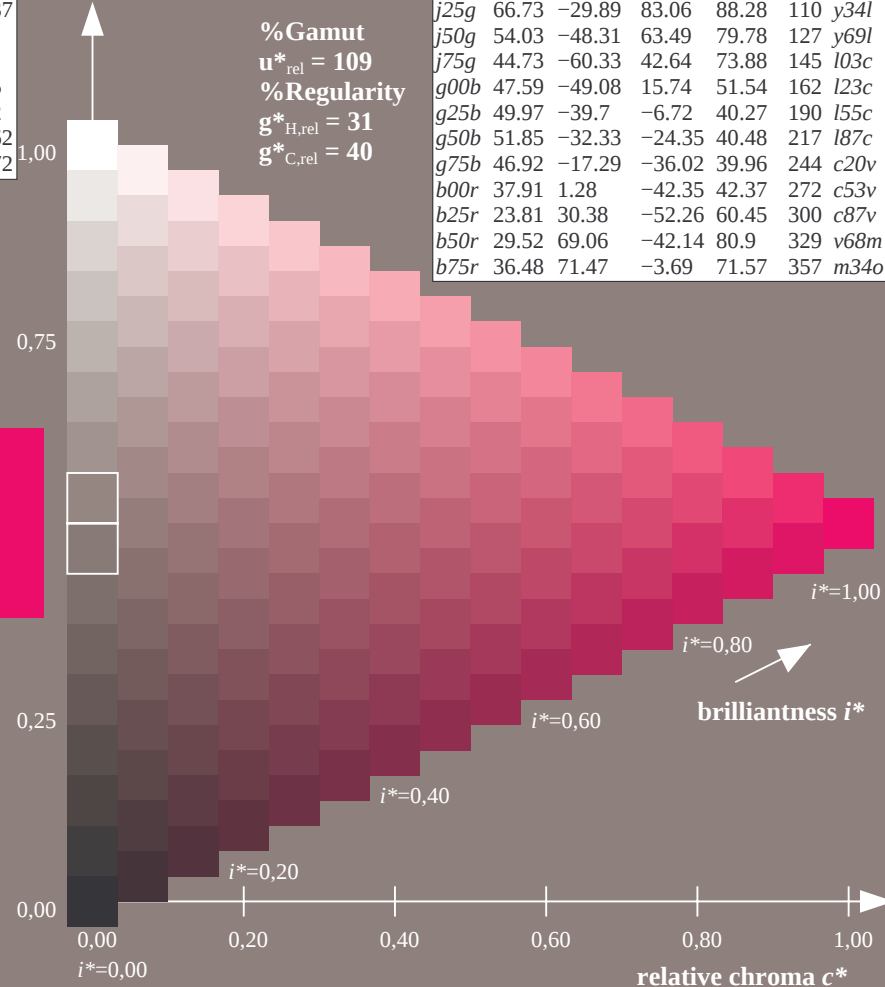
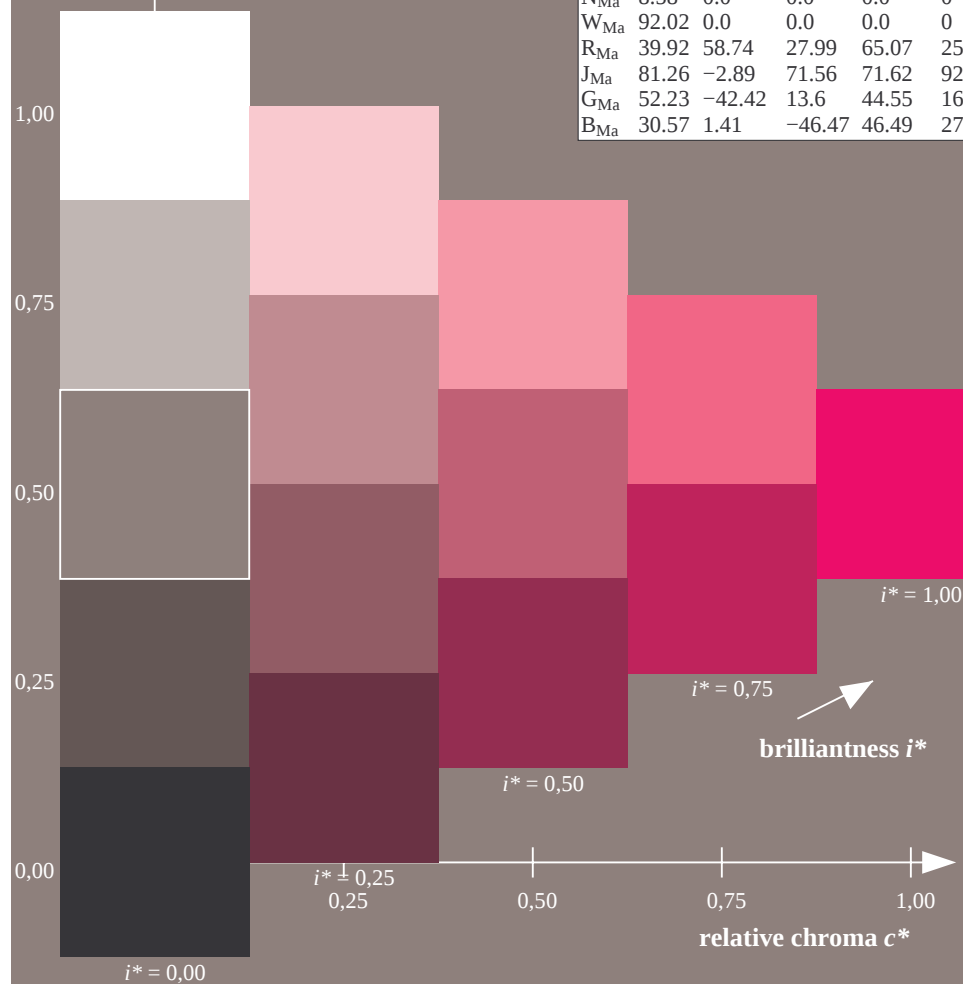
$LAB^*LCH^*_{Ma}$: 36 72 357

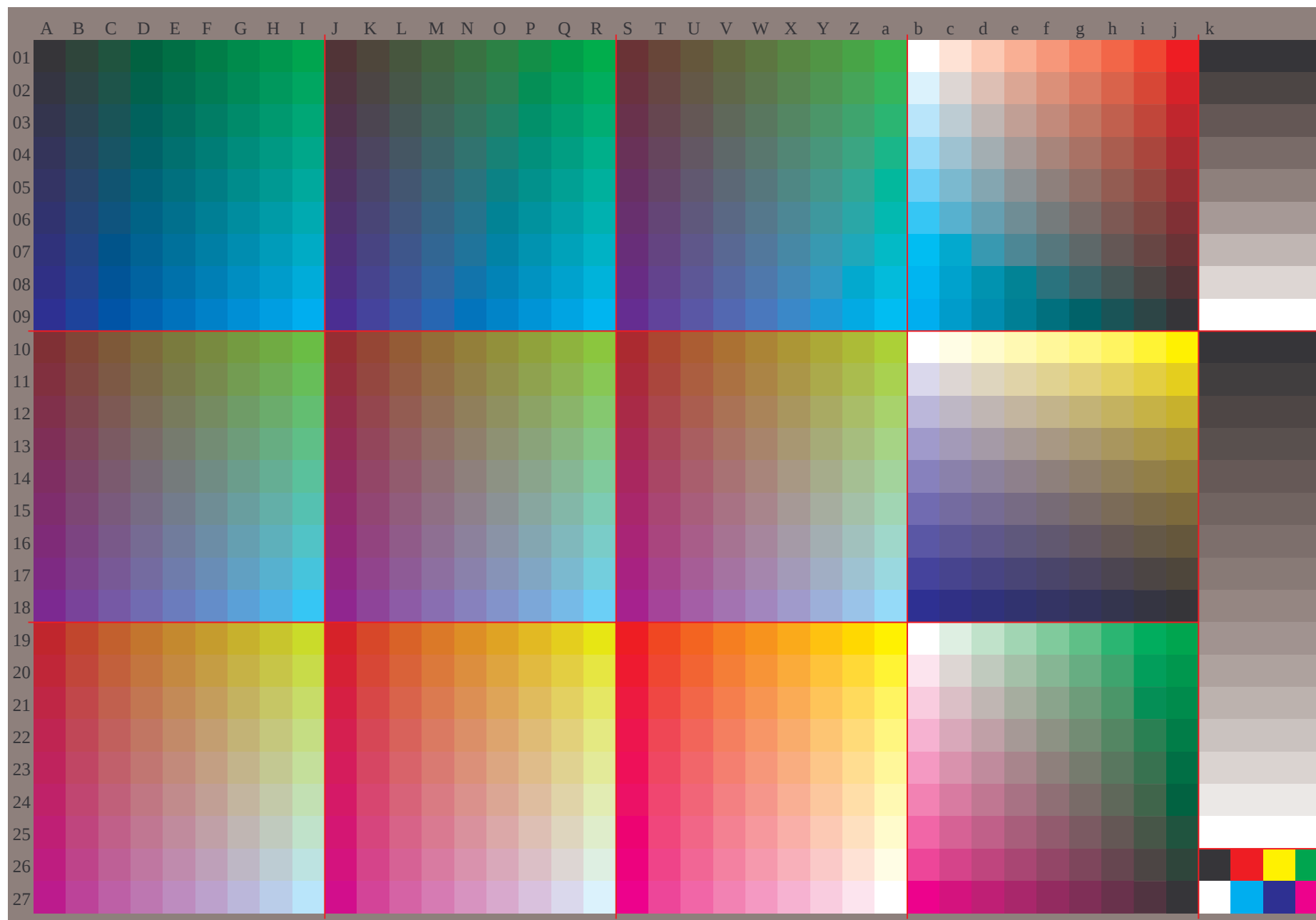
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

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

triangle lightness t^*

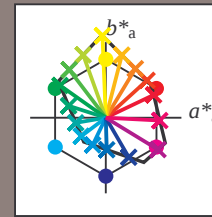
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	110	y34l	
j50g	54.03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





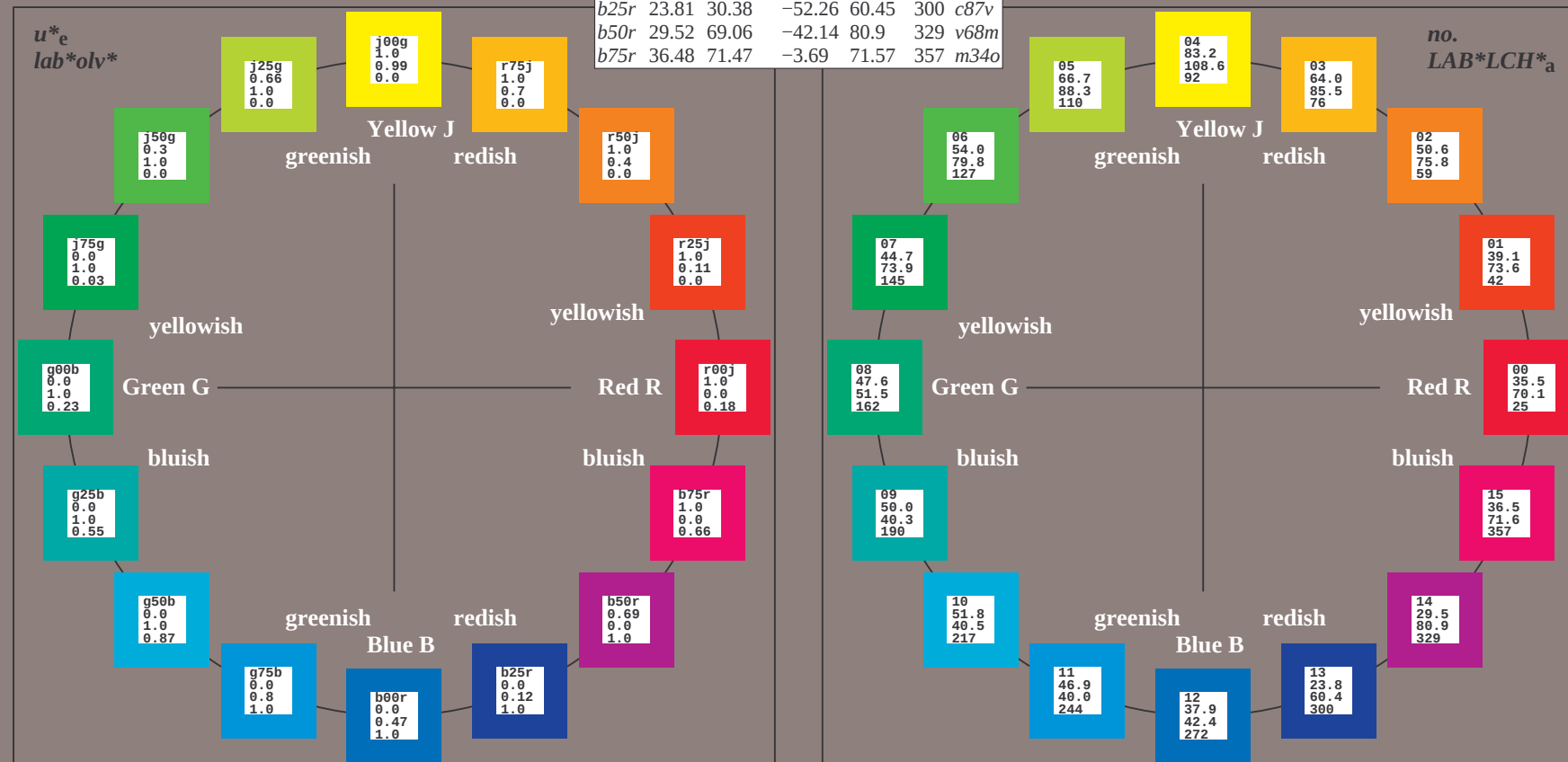
Input and output:
 Colorimetric Printer Reflective System FRS09_92a
 data for any colour:
 u_e^* and number *no.* = 00 .. 15
 elementary hue text:
 $u_e^* = 16$ hues *r00j*, *r25j*, ..., *b75r*
 contrast reduction factor:
 $c_R = 1.0$

FRS09_92a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*	
<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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.071$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

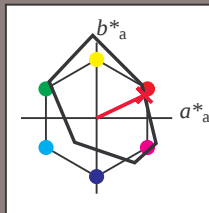
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 35 63 30

$LAB \cdot LCH \cdot Ma$: 35 70 25

$lab \cdot rgb \cdot Ma$: 1.0 0.0 0.0

$lab \cdot olv \cdot Ma$: 1.0 0.0 0.18

triangle lightness t^*

% Gamut

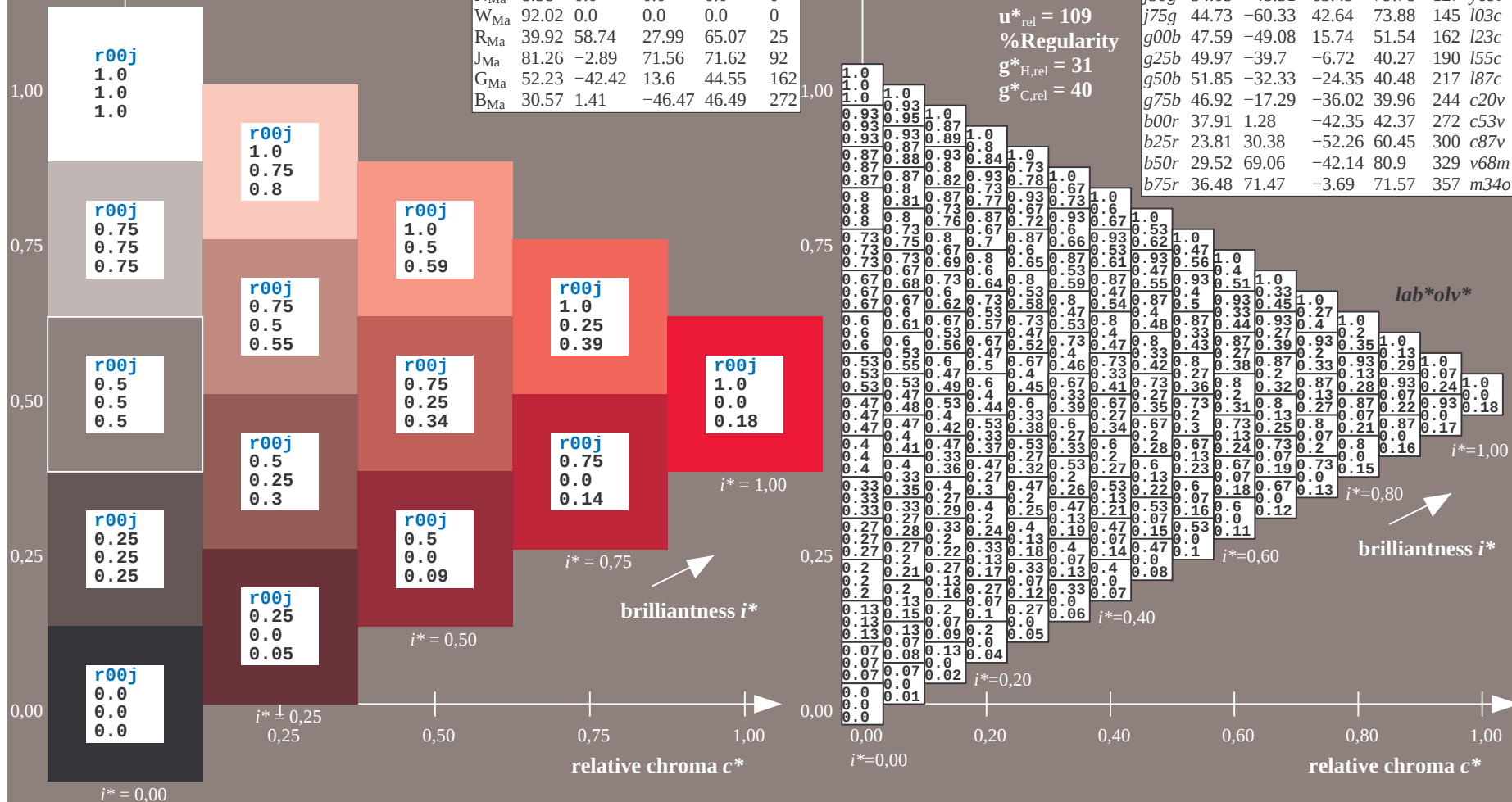
$u^*_{rel} = 109$

% 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^*

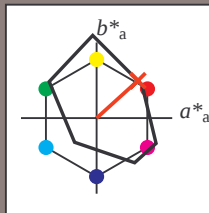
Hue texts:

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

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

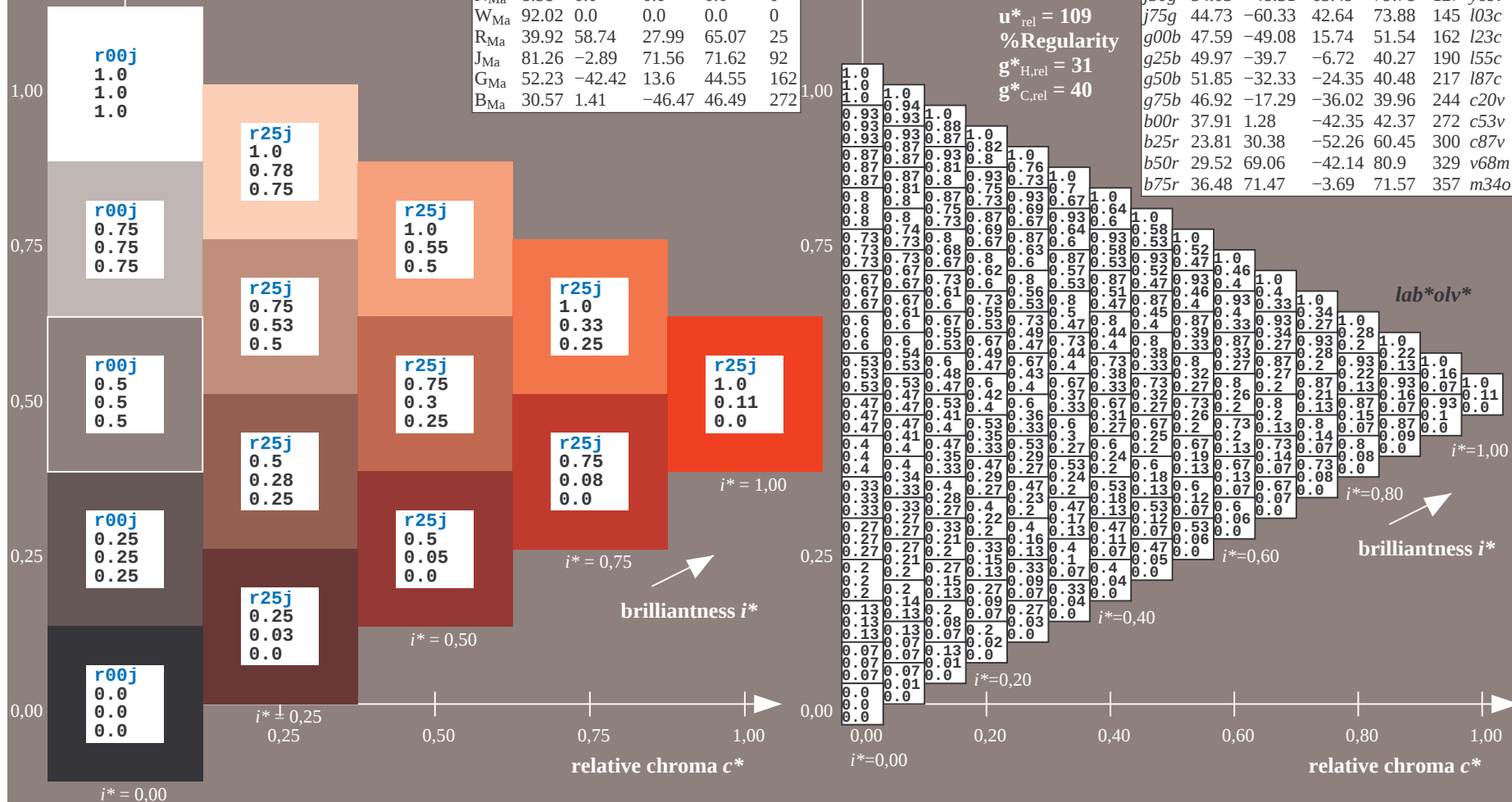
$u^*_{rel} = 109$

% Regularity

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

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

FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	66.73	-29.89	83.06	88.28	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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

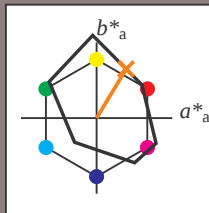
Hue texts:

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

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

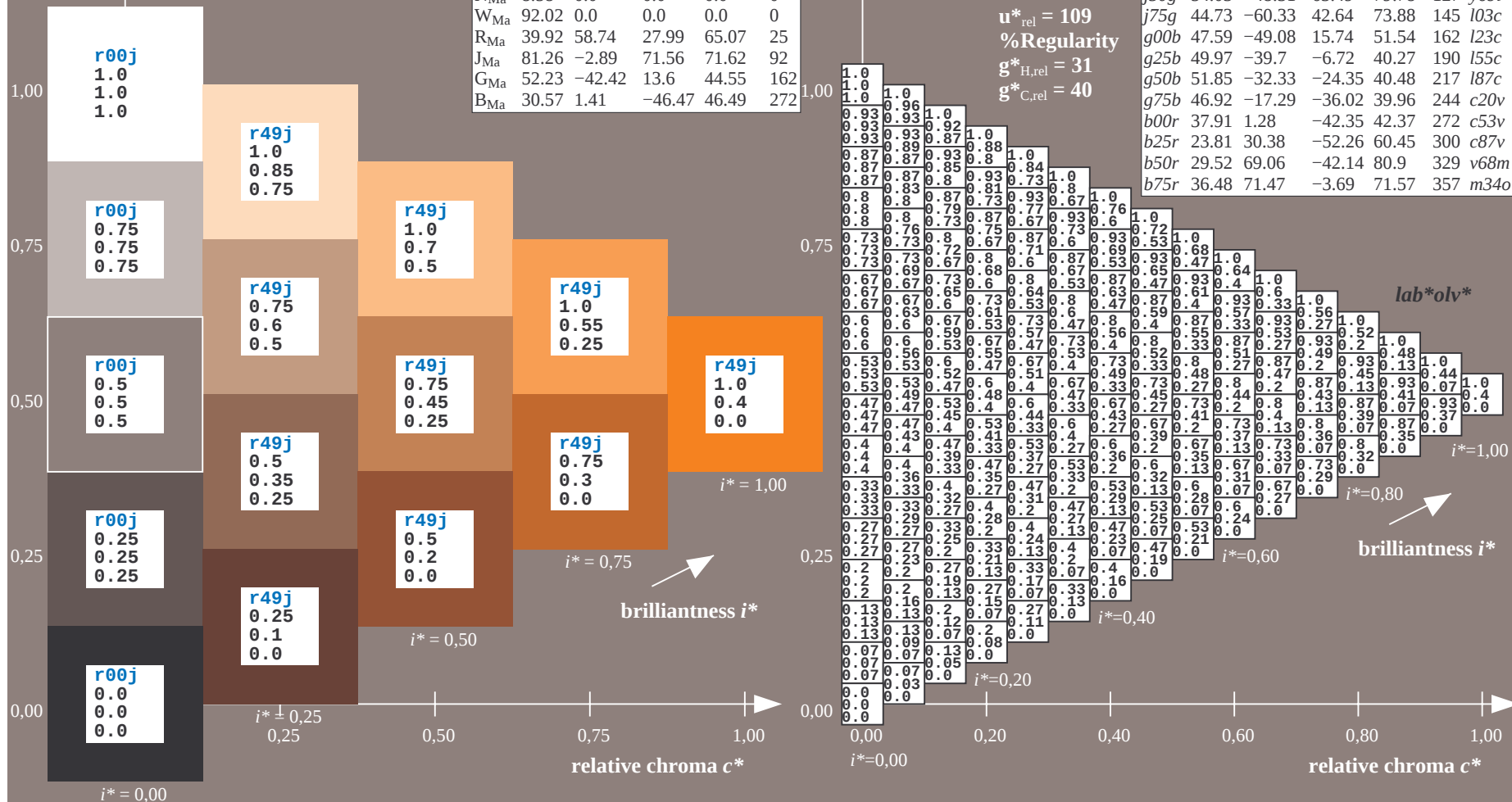
$u^*_{rel} = 109$

% 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	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^*

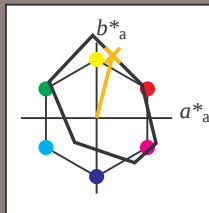
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

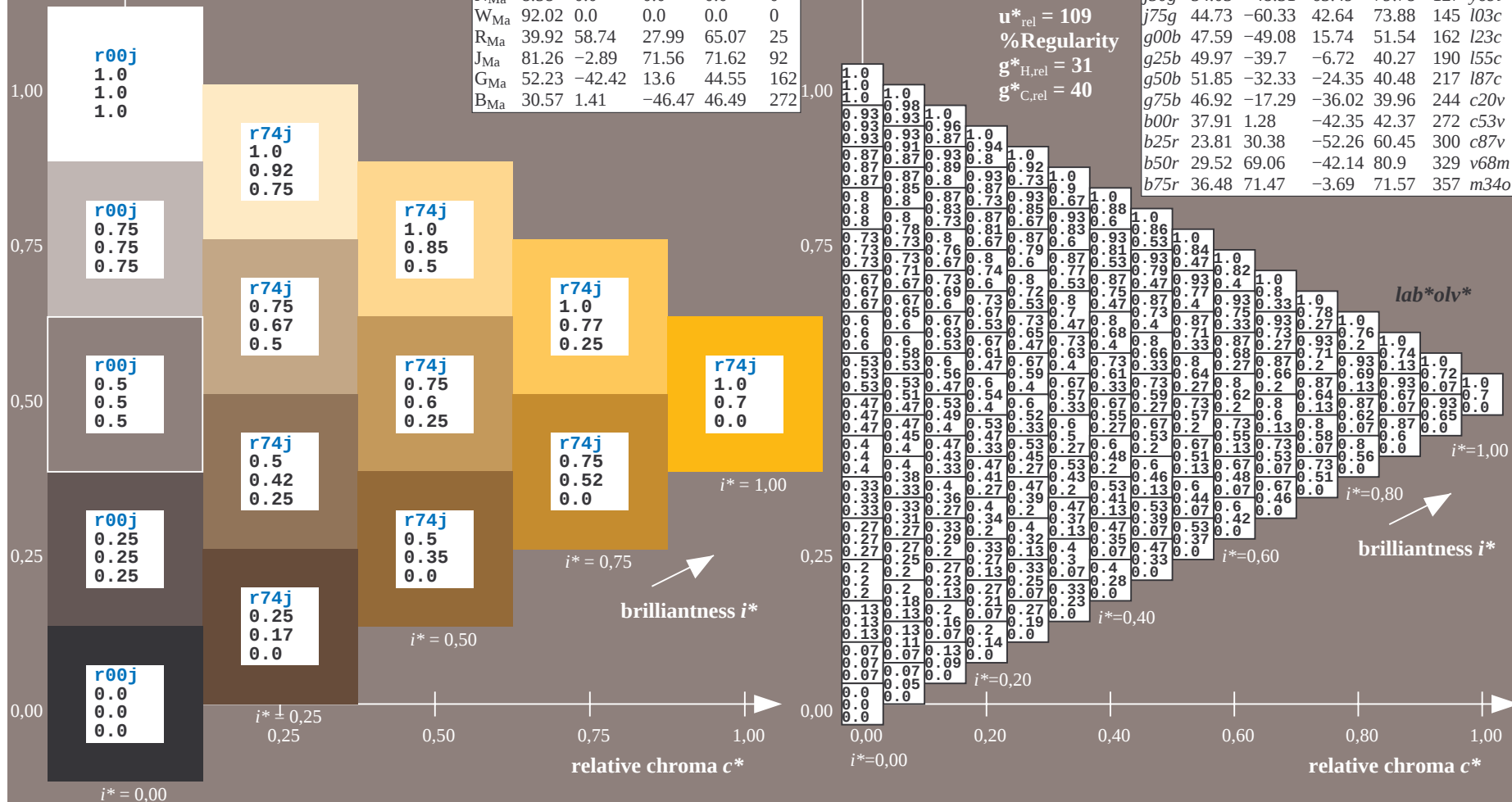
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.256$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

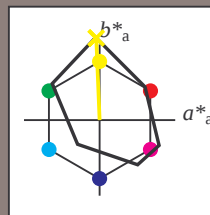
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 83 -4 109$

$LAB \cdot LCH \cdot Ma: 83 109 92$

$lab \cdot rgb \cdot Ma: 1.0 1.0 0.0$

$lab \cdot olv \cdot Ma: 1.0 0.99 0.0$

triangle lightness t^*

% Gamut

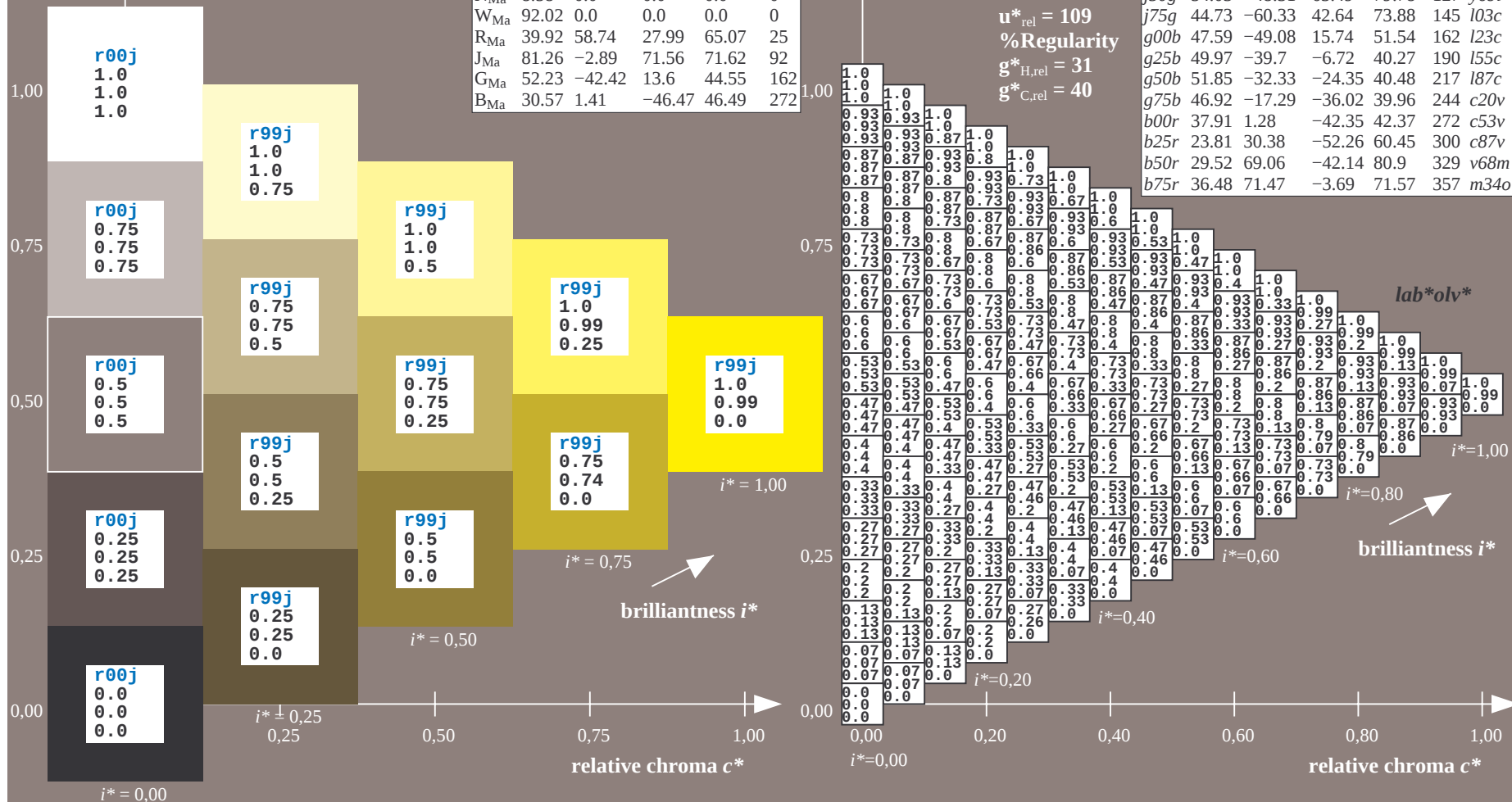
$u^*_{rel} = 109$

% 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^*

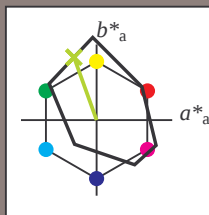
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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	

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^*

$i^* = 0.00$

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^*

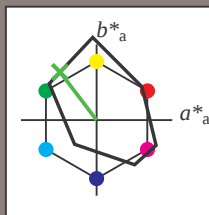
Hue texts:

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

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

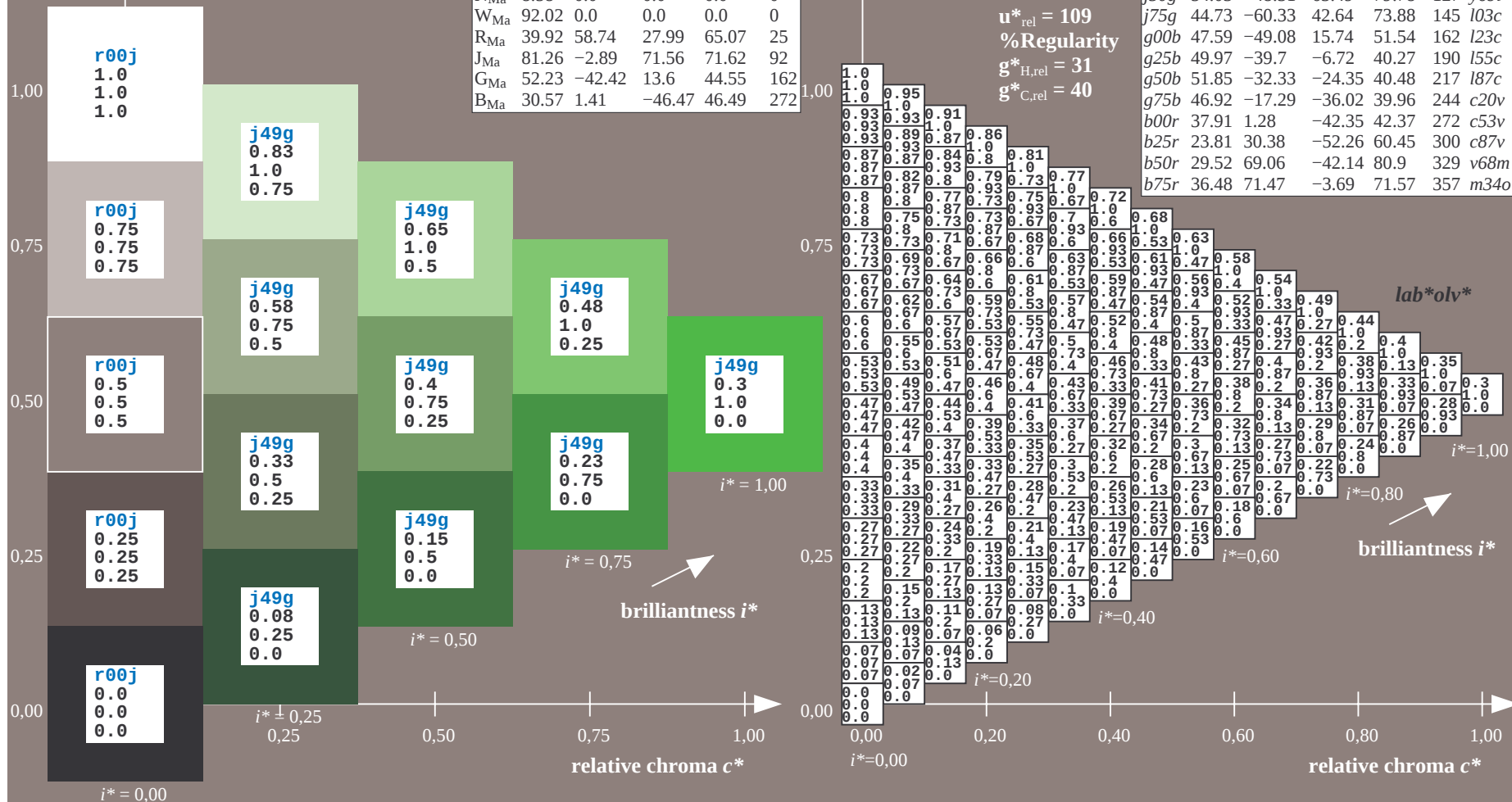
$u^*_{rel} = 109$

% 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	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.402$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

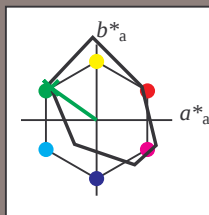
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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):

$LAB \cdot LAB \cdot Ma$: 45 -60 43

$LAB \cdot LCH \cdot Ma$: 45 74 144

$lab \cdot rgb \cdot Ma$: 0.25 1.0 0.0

$lab \cdot olv \cdot Ma$: 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	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

$u^*_e = j75g$

$lab \cdot olv^*$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

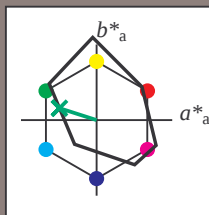
Hue texts:

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

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	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^*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 $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

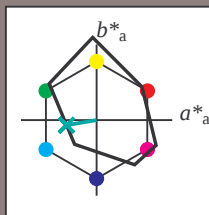
Hue texts:

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

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

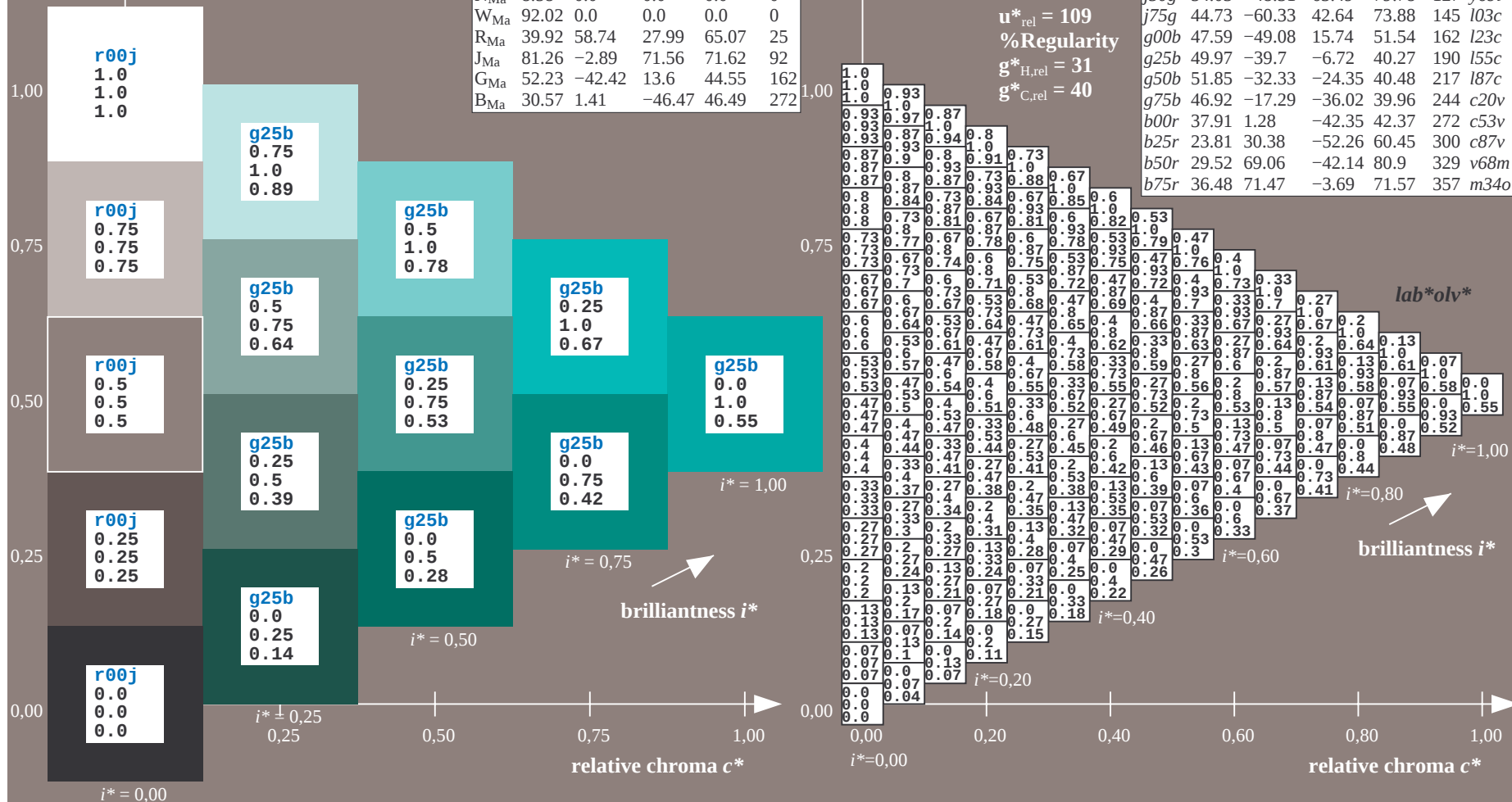
$u^*_{rel} = 109$

% 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^*

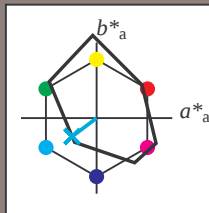
Hue texts:

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

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

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

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

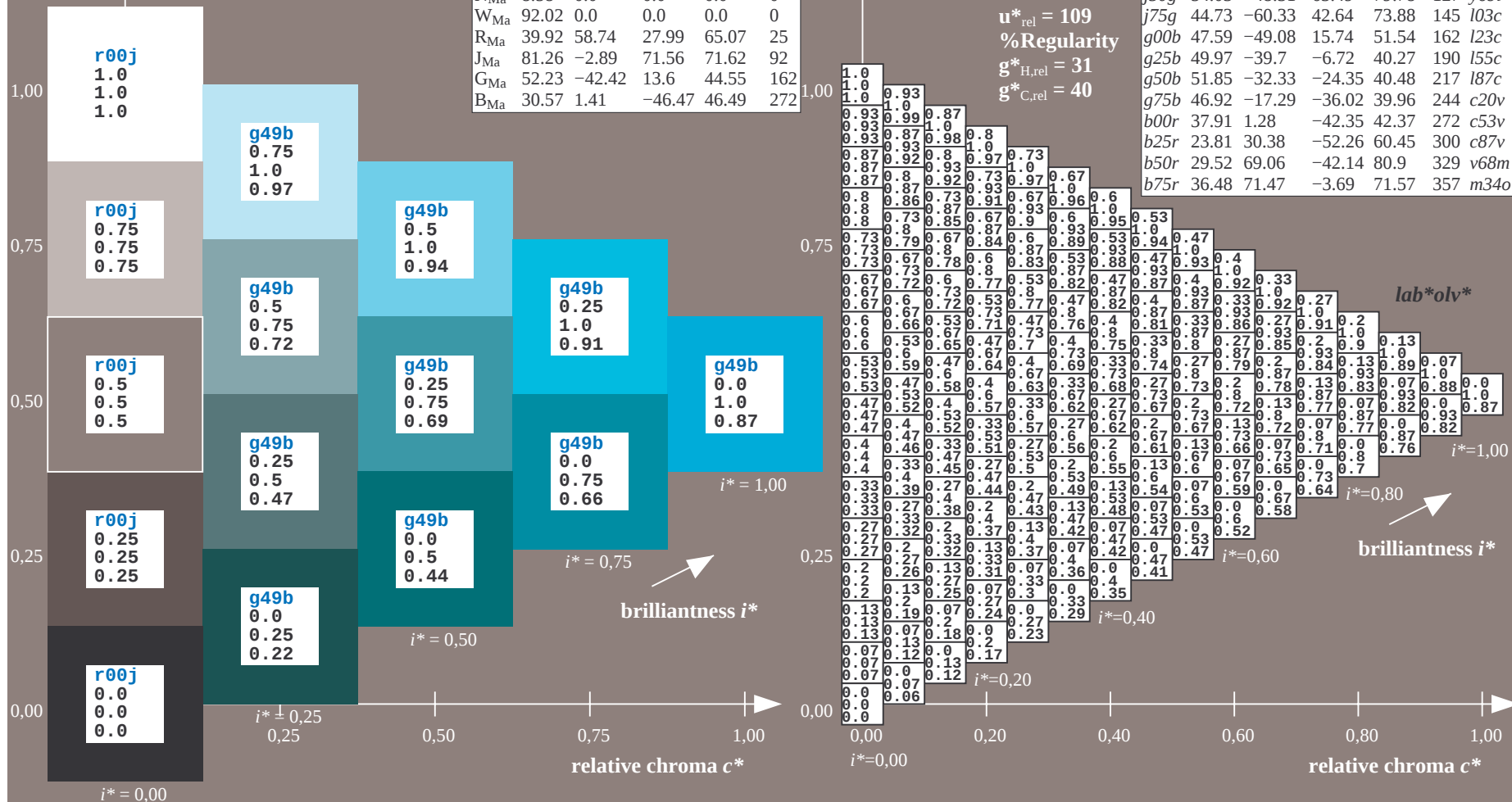
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	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	

$u^*_e = g50b$

lab^*olv^*

lab^*olv^*

brilliantness i^*



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^*

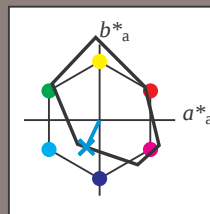
Hue texts:

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

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	

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 $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

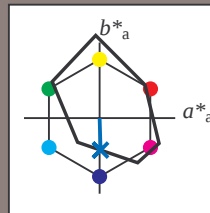
Hue texts:

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

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

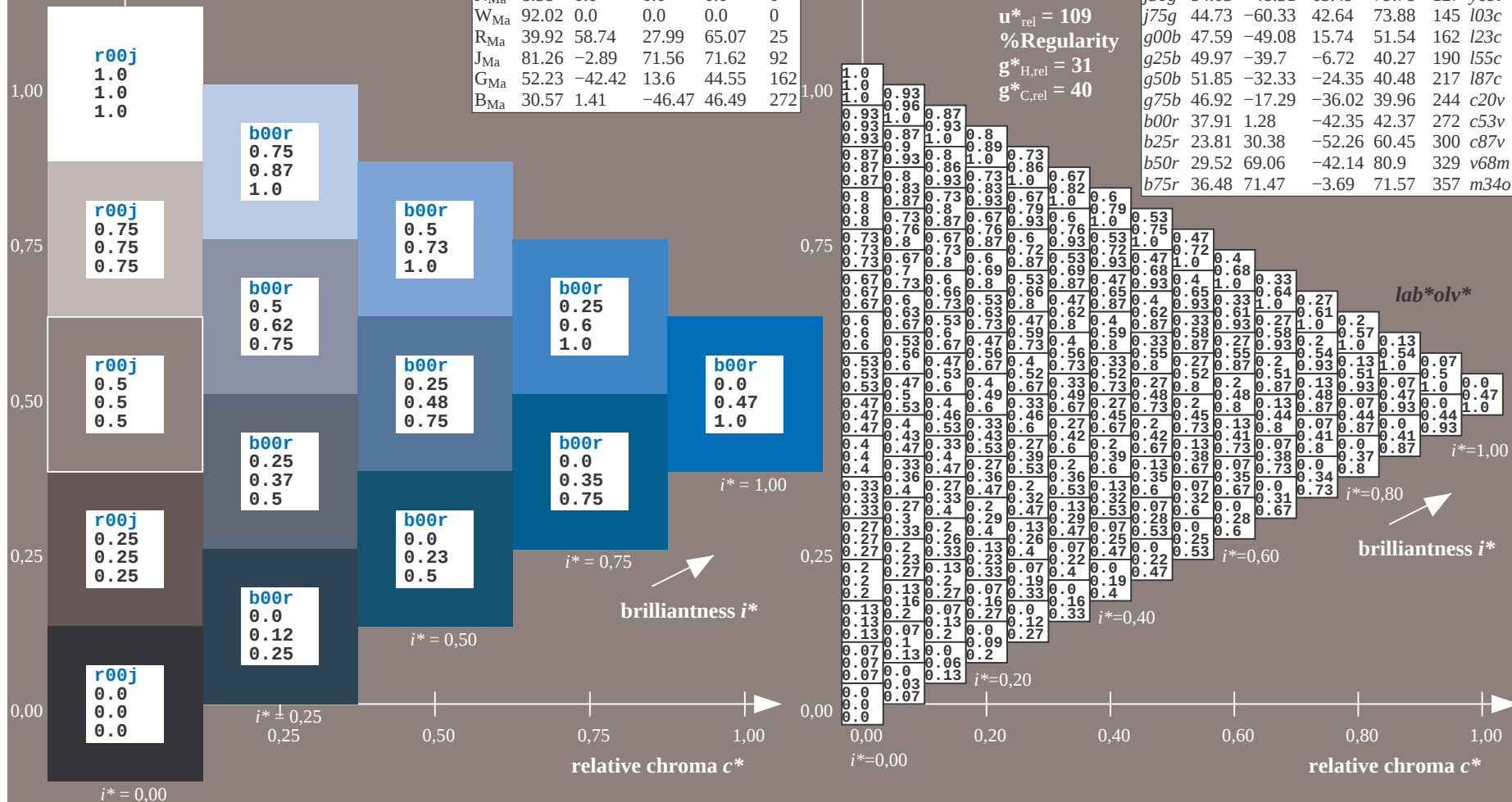
$u^*_{rel} = 109$

% 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^*

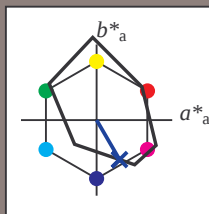
Hue texts:

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

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	

$u^*_e = b25r$

lab^*olv^*

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^*

$i^* = 0.00$

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^*

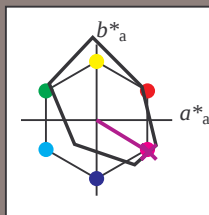
Hue texts:

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

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	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^*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 $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

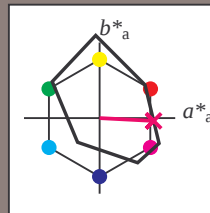
Hue texts:

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

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

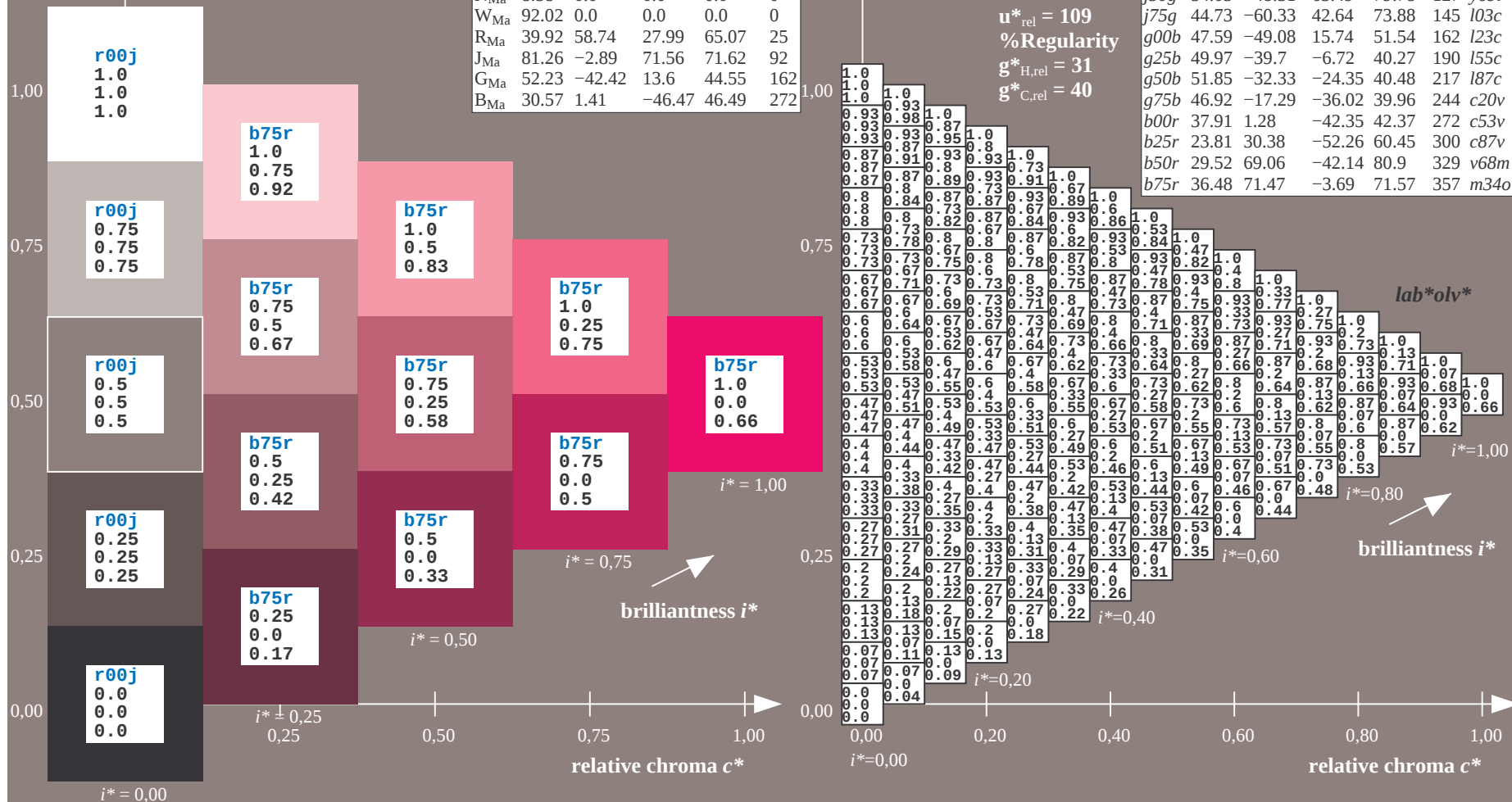
$u^*_{rel} = 109$

% Regularity

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

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

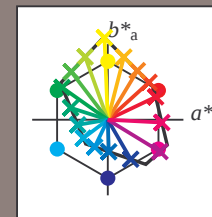
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	



Ee360-7A, Page 54/198

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

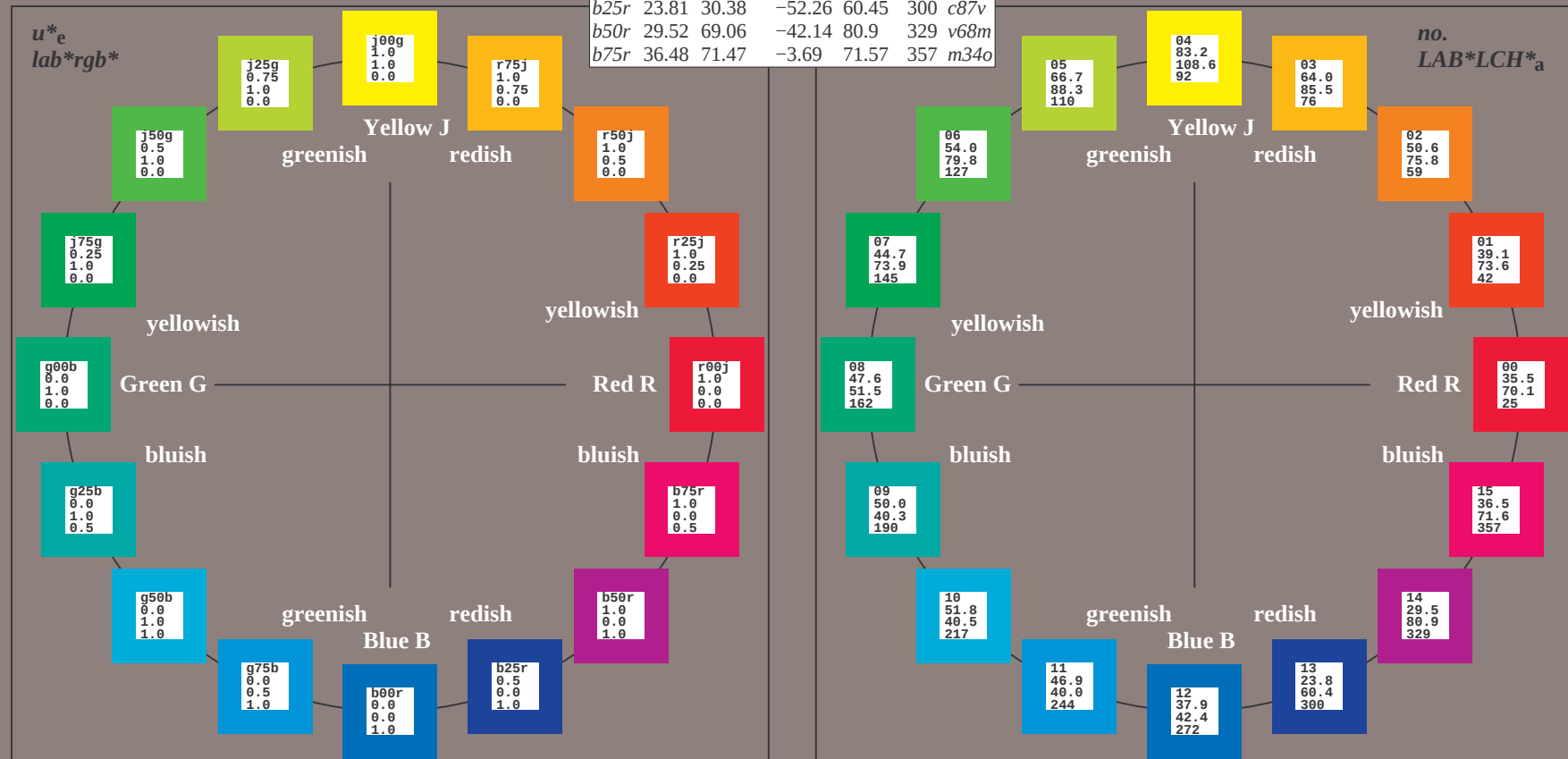
$u_{rel}^* = 109$

%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^*

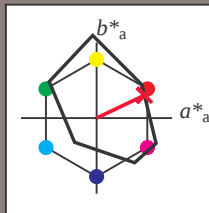
Hue texts:

$u_e^* = r00j$ $u_d^* = m81o$

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	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^*

$i^* = 0.00$

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^*

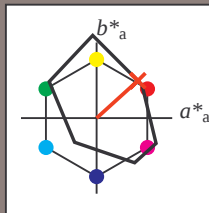
Hue texts:

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

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

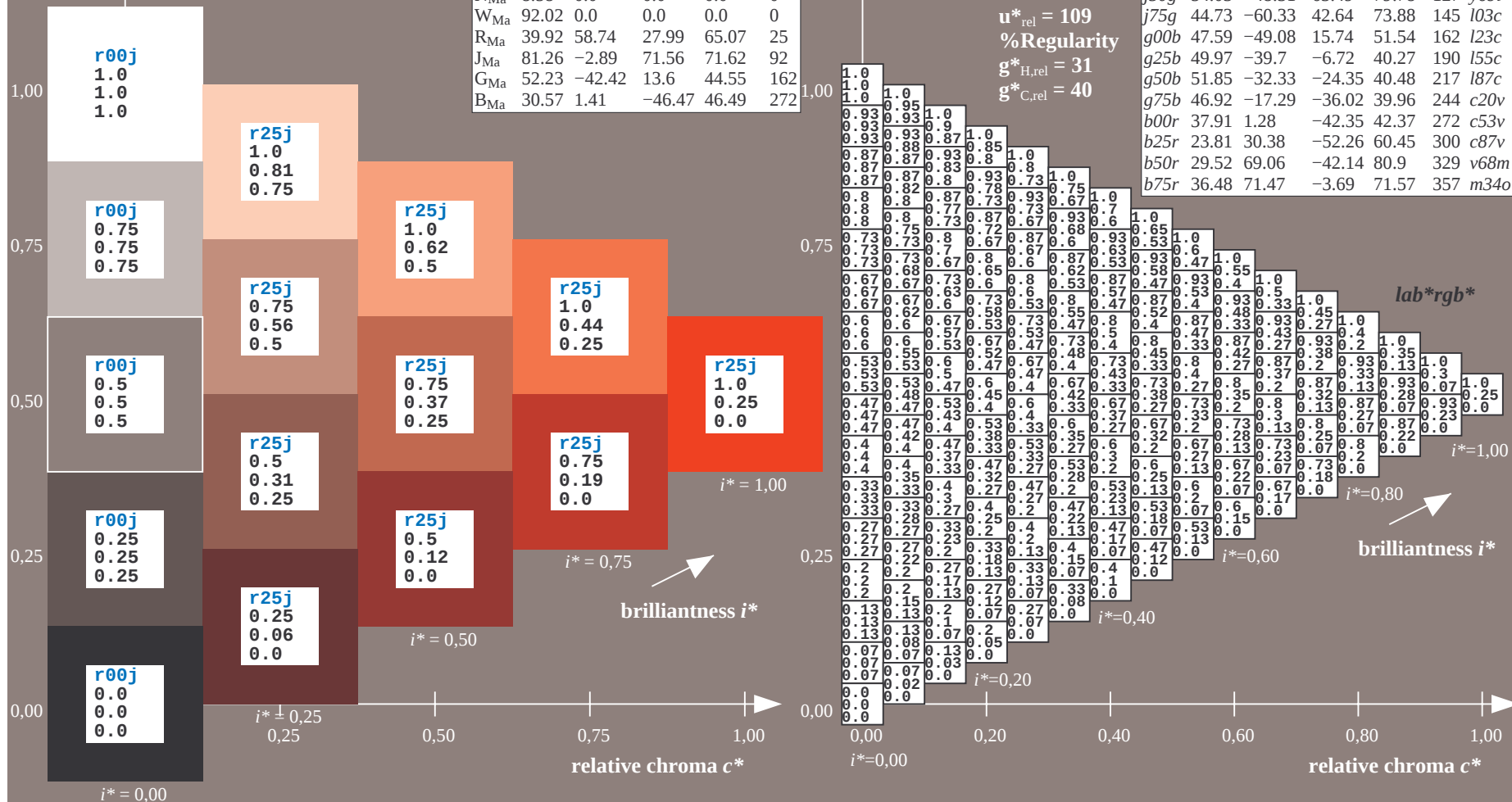
$u^*_{rel} = 109$

% 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	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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

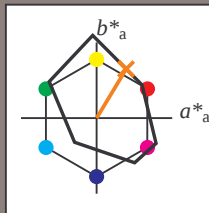
Hue texts:

$u_e^* = r50j$ $u_d^* = o40y$

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

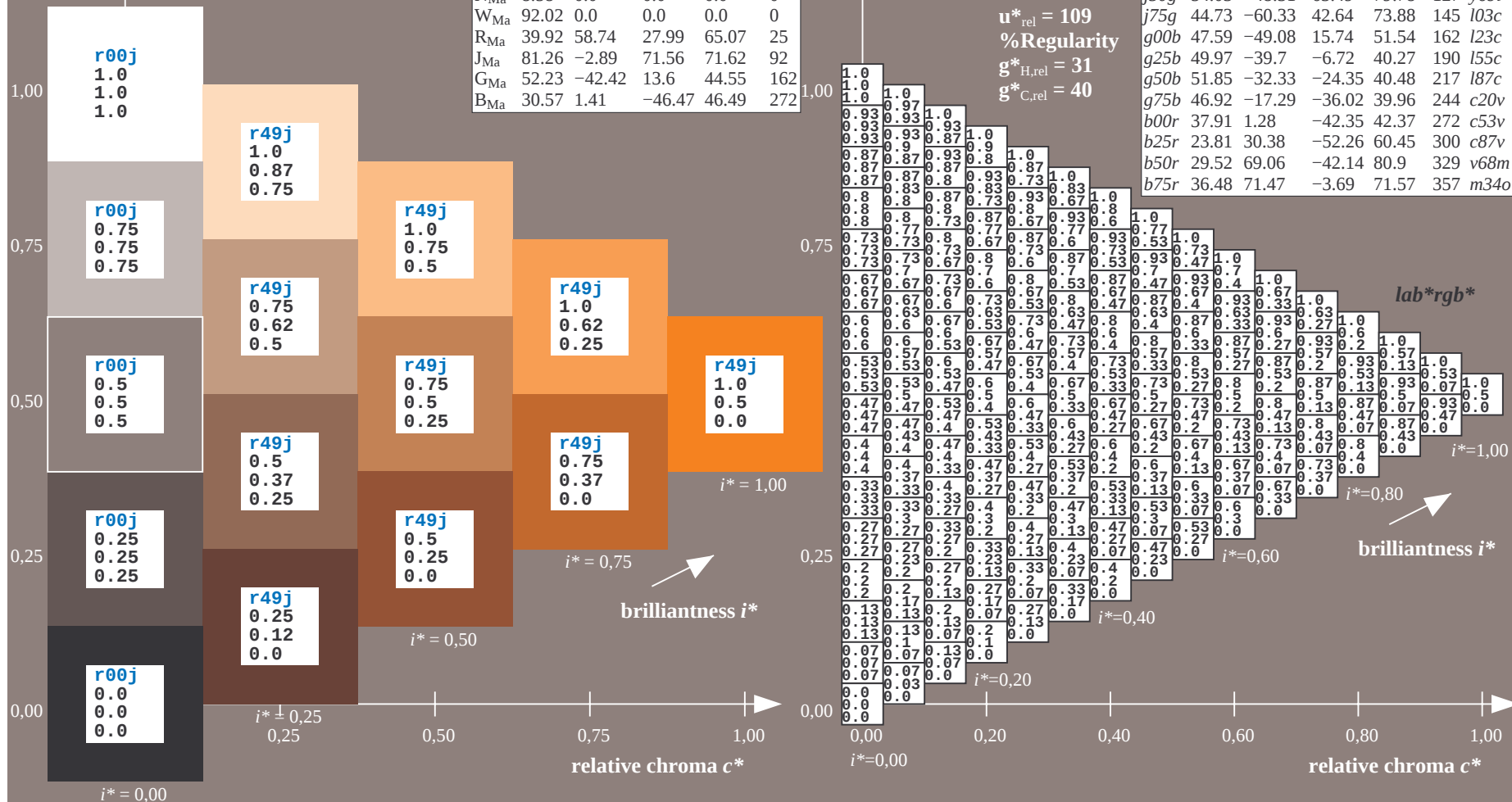
$u_{rel}^* = 109$

% 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	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^*

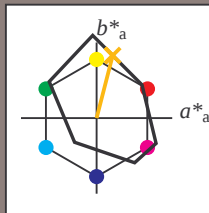
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

% Gamut

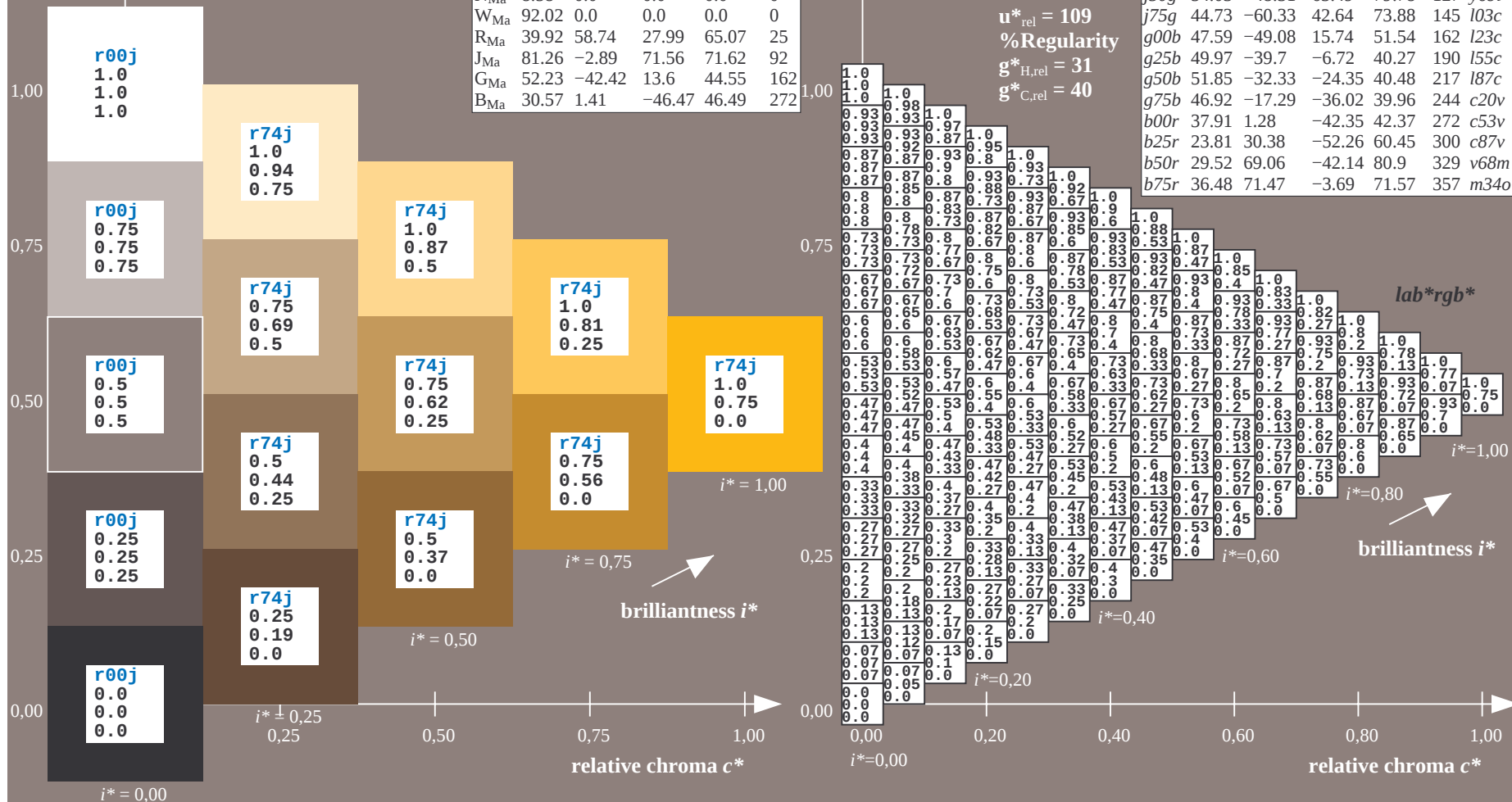
$u^*_{rel} = 109$

% Regularity

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

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

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

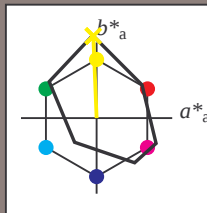
Hue texts:

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

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

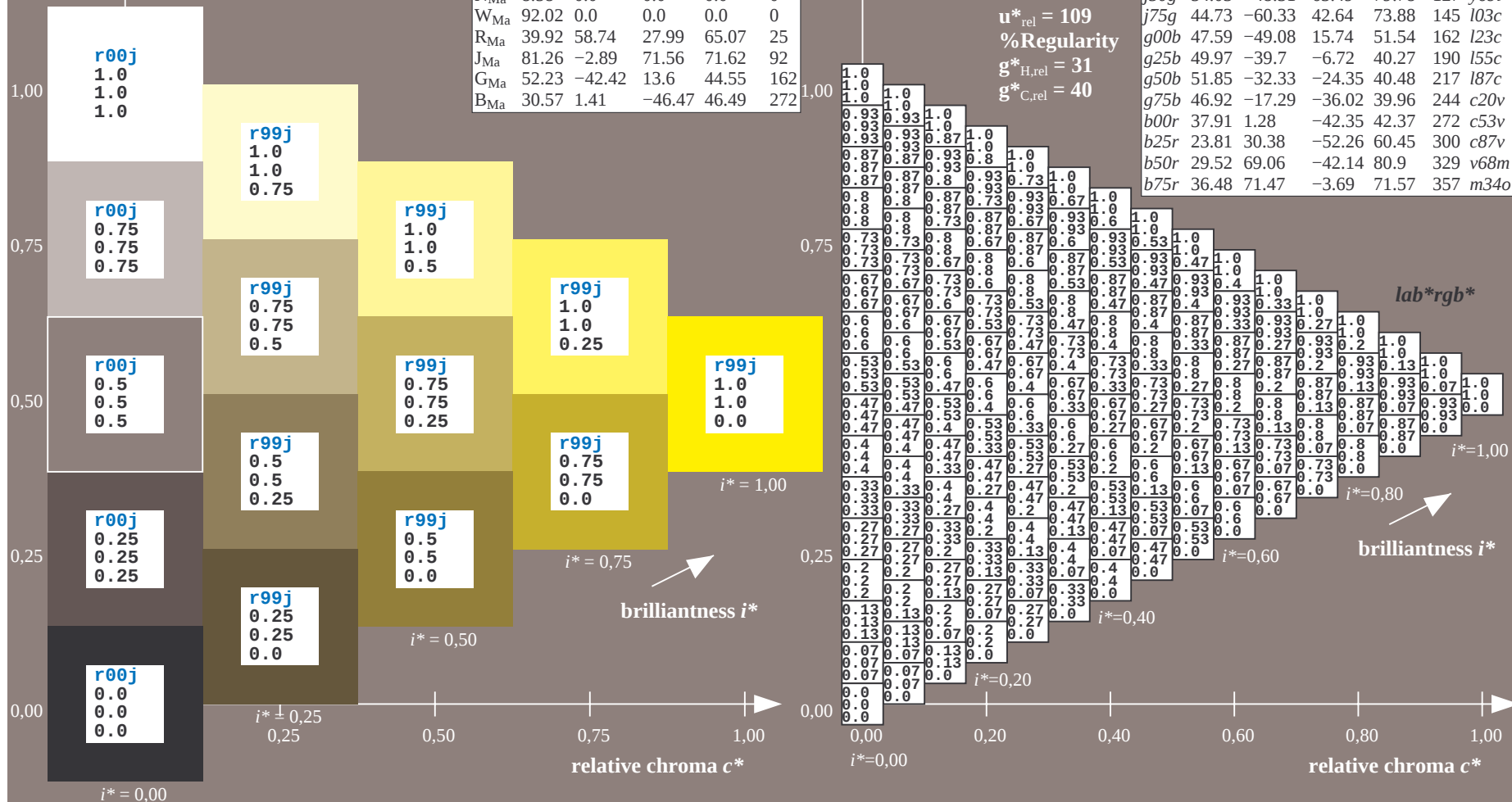
$u^*_{rel} = 109$

% 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	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^*

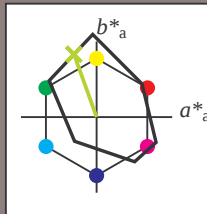
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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	

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 $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

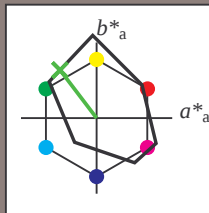
Hue texts:

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

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^*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^*

$i^*=0.00$

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^*

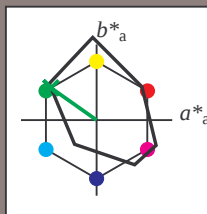
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

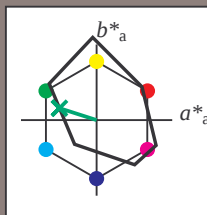
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 48 -49 16$

$LAB \cdot LCH \cdot Ma: 48 52 162$

$lab \cdot rgb \cdot Ma: 0.0 1.0 0.0$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.23$

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	

$lab \cdot rgb^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

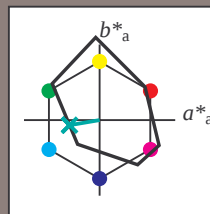
Hue texts:

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

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

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

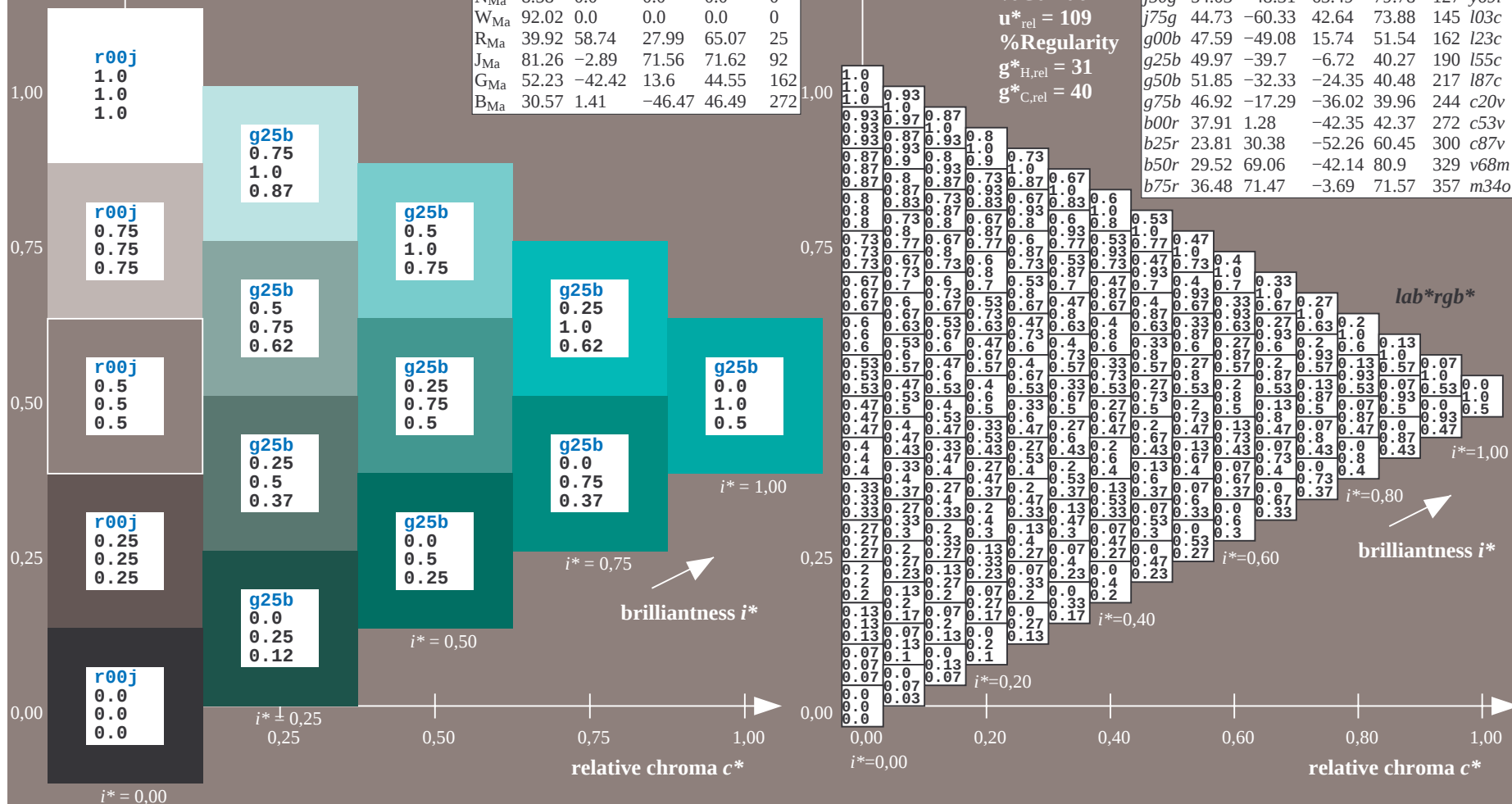
$g^*_{C,rel} = 40$

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^*rgb^*

$i^*=1.00$

brilliantness i^*



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^*

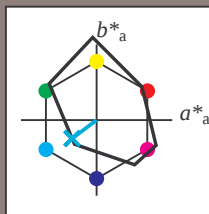
Hue texts:

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

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	

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 $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

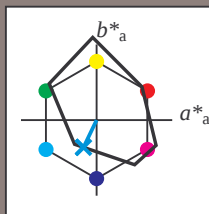
Hue texts:

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

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	

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^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

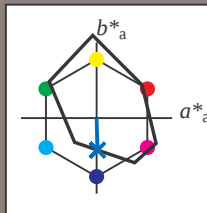
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 38 \ 1 \ -42$

$LAB \cdot LCH \cdot Ma: 38 \ 42 \ 271$

$lab \cdot rgb \cdot Ma: 0.0 \ 0.0 \ 1.0$

$lab \cdot olv \cdot Ma: 0.0 \ 0.47 \ 1.0$

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	

$u^*_e = b00r$

$lab \cdot rgb \cdot$

$lab \cdot rgb \cdot$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

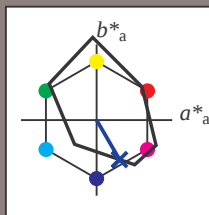
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 24 30 -52

$LAB \cdot LCH \cdot Ma$: 24 60 300

$lab \cdot rgb \cdot Ma$: 0.5 0.0 1.0

$lab \cdot olv \cdot Ma$: 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	

$lab \cdot rgb^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

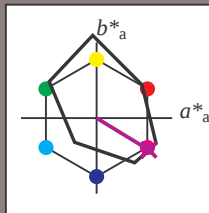
Hue texts:

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

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

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

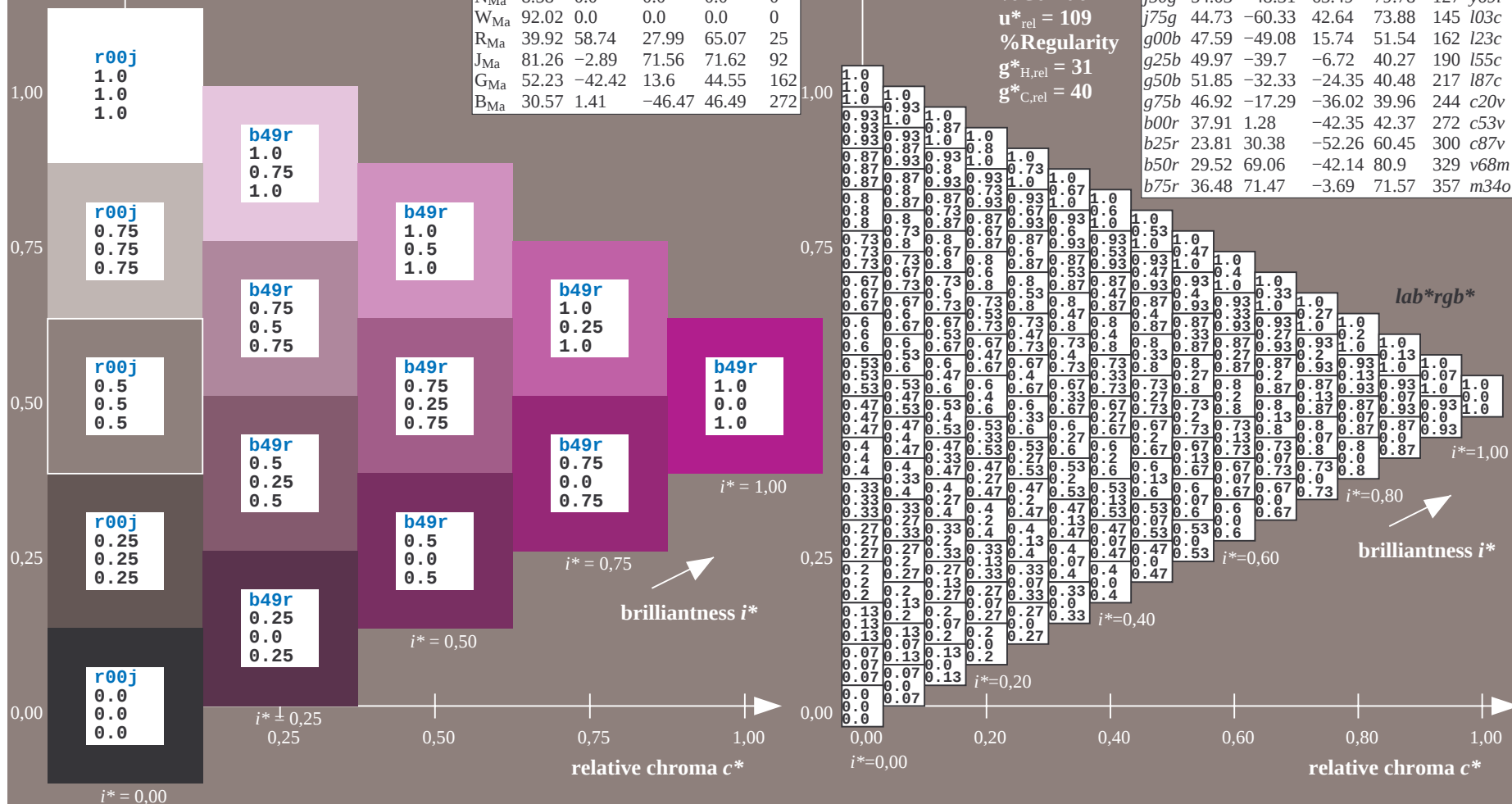
$g^*_{C,rel} = 40$

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	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^*



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^*

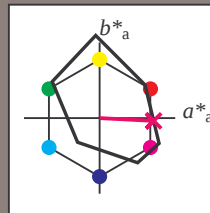
Hue texts:

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

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

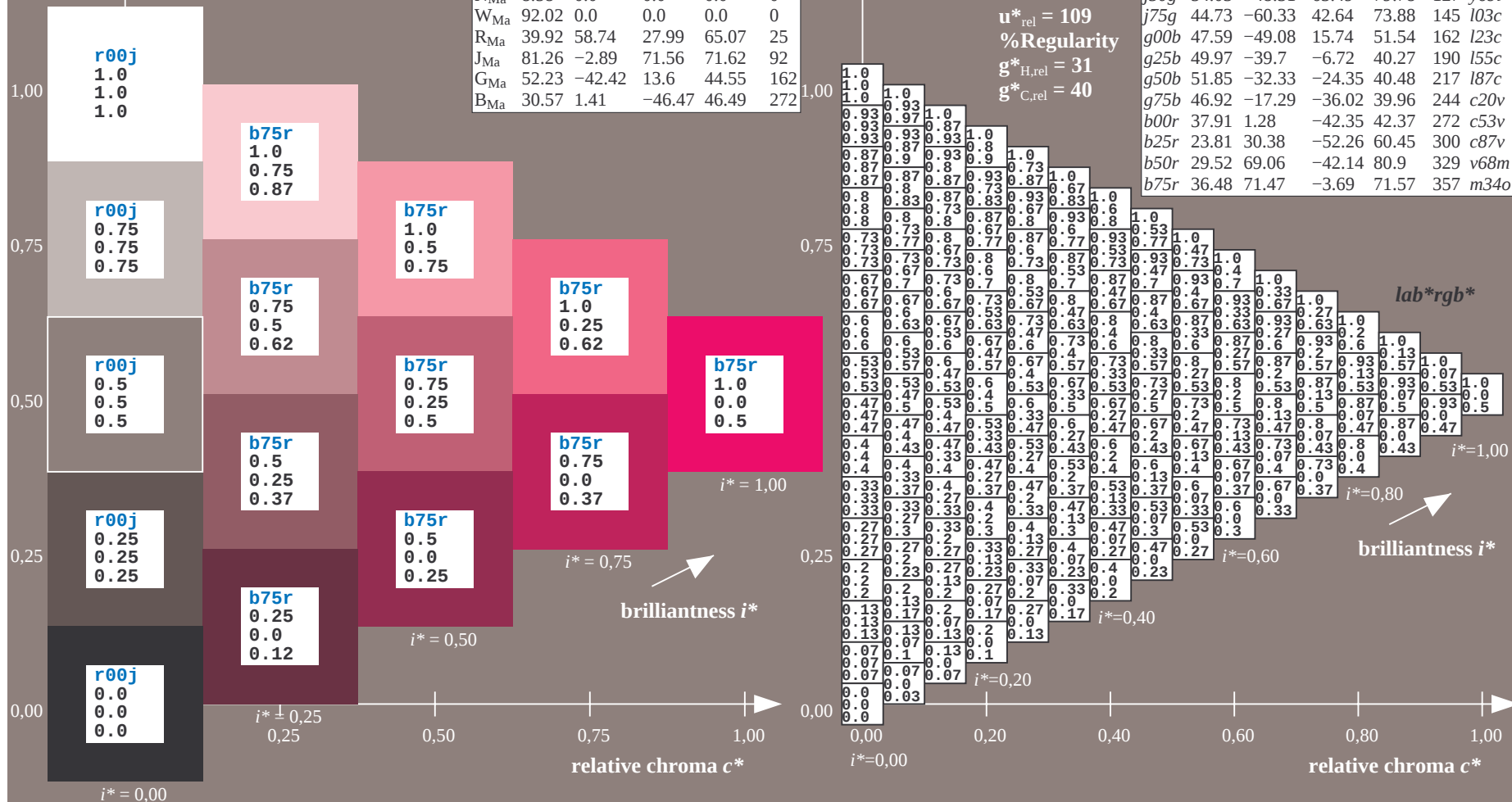
$u^*_{rel} = 109$

% Regularity

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

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

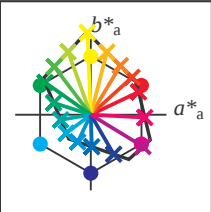
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	



Ee360-7A, Page 72/198

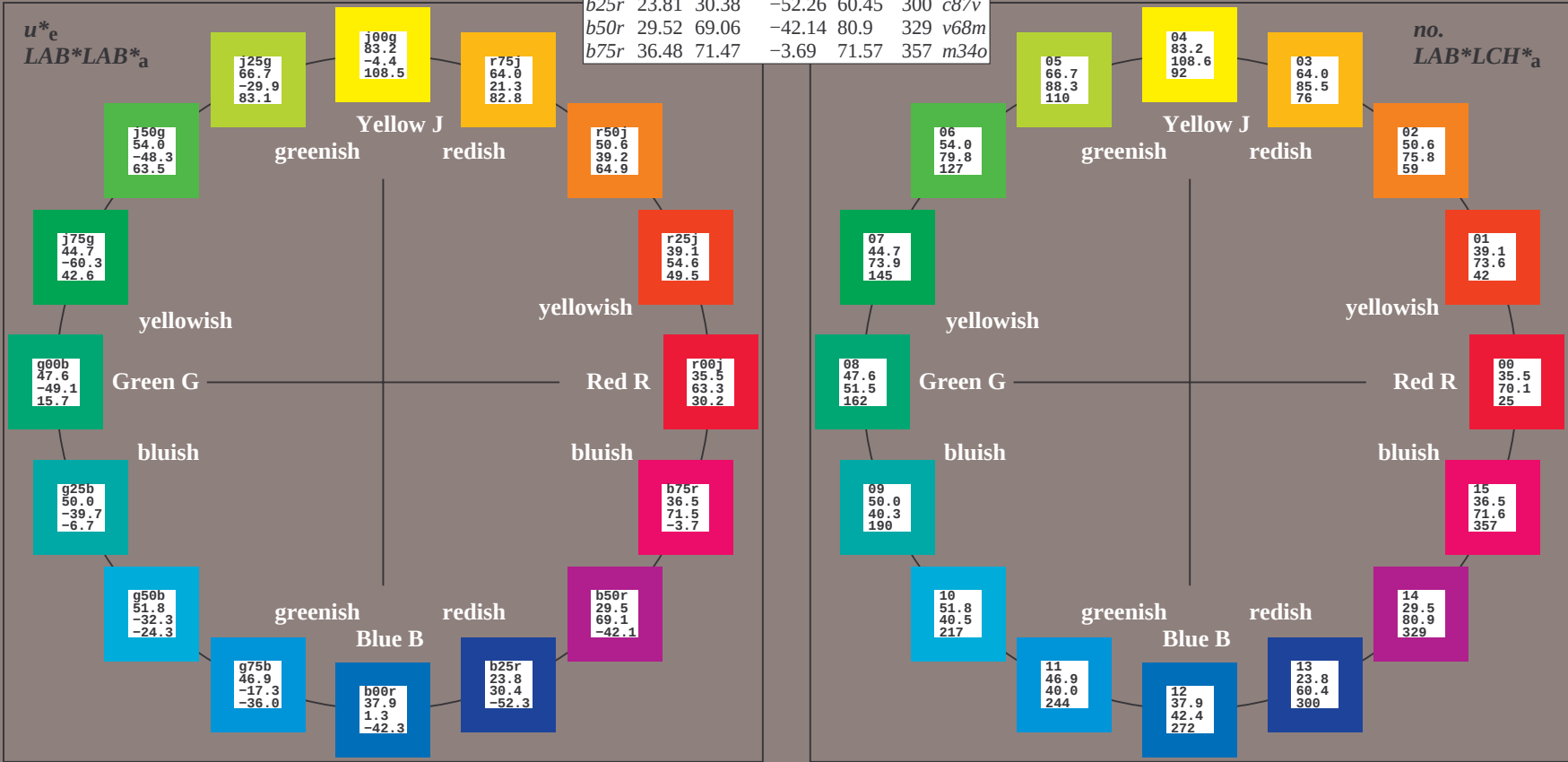
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 u_e^* and number $no.$ = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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	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^*

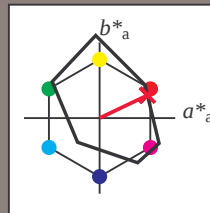
Hue texts:

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

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

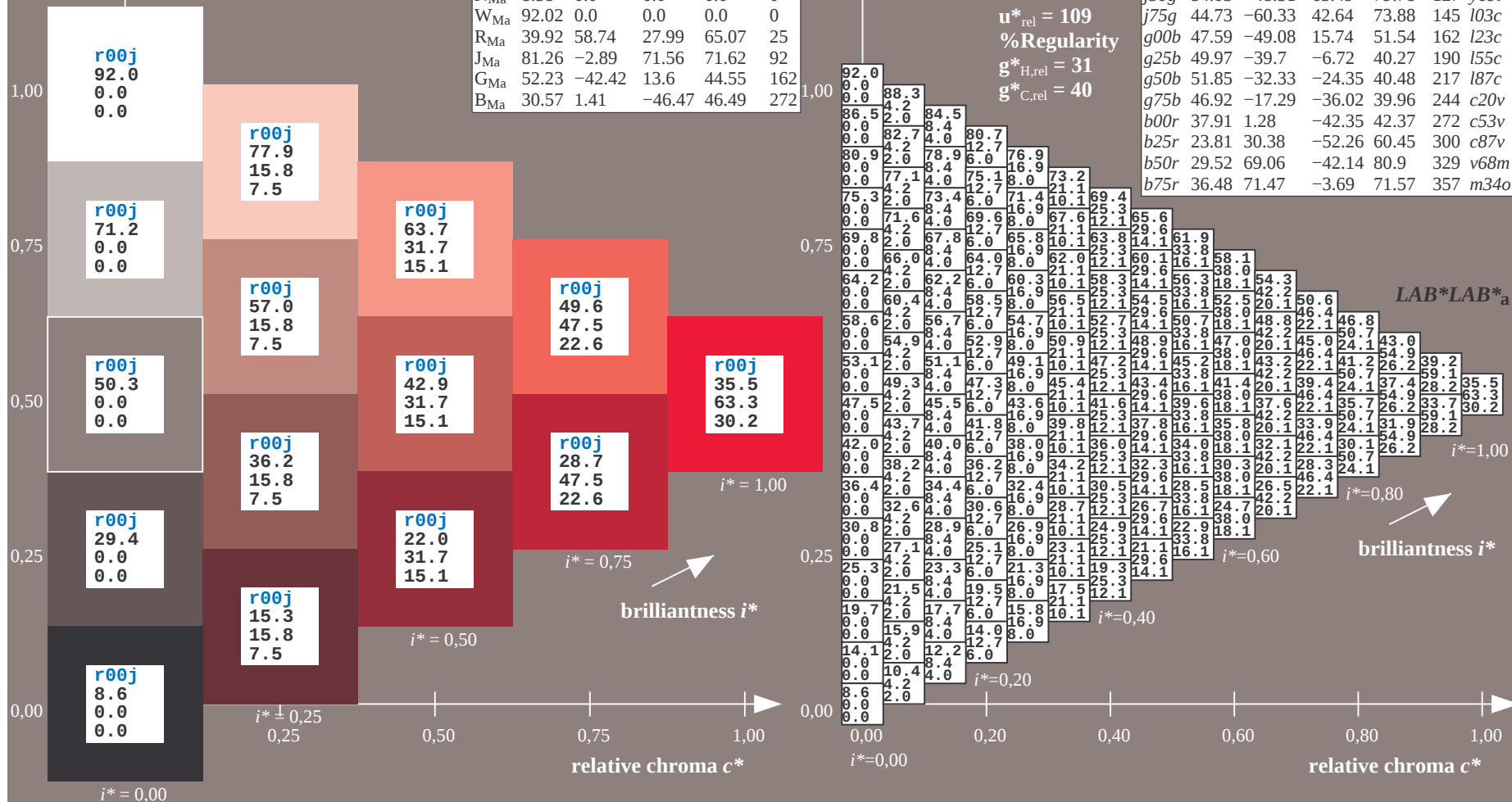
$u^*_{rel} = 109$

% 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	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^*

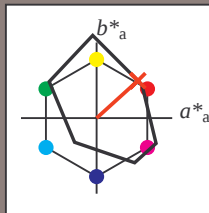
Hue texts:

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

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

$LAB^*LAB^*_a$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

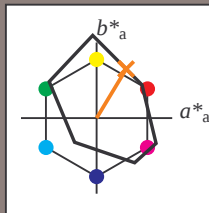
Hue texts:

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

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

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

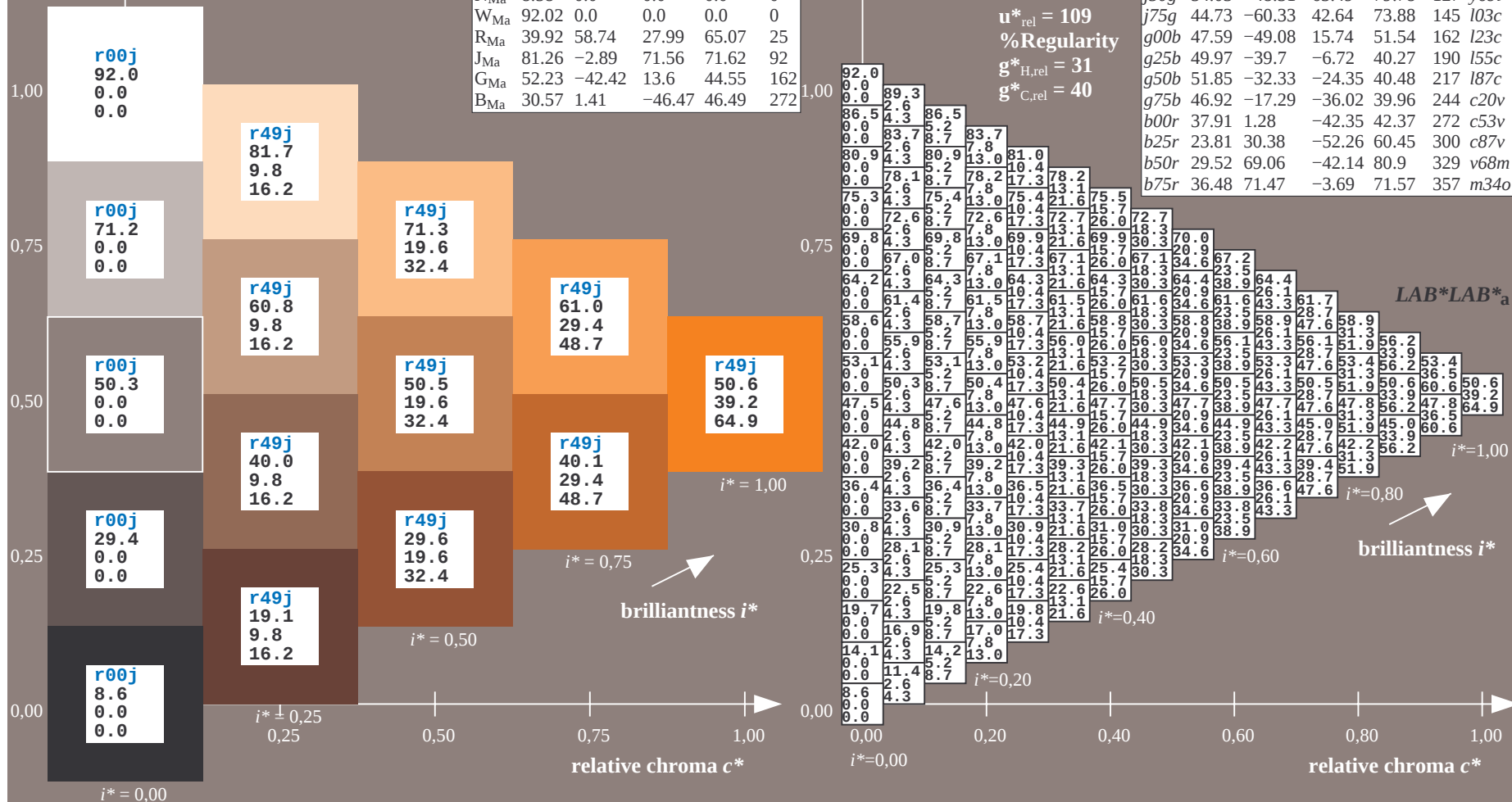
$g^*_{C,rel} = 40$

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	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	

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

$i^*=1,00$

brilliantness i^*



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^*

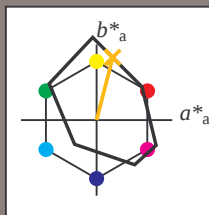
Hue texts:

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

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	

$LAB^*LAB^*_a$

$i^*=1.00$

brilliantness i^*

relative chroma c^*

1,00

0,75

0,50

0,25

0,00

$i^* = 0,00$

$i^* \pm 0,25$
0,25

0,50

relative chroma c^*

$i^* = 1,00$

$i^* = 0,75$

$i^* = 0,50$

1,00

0,75

0,50

0,25

0,00

$i^*=0,00$

$i^*=0,20$

$i^*=0,40$

$i^*=0,60$

$i^*=0,80$

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^*

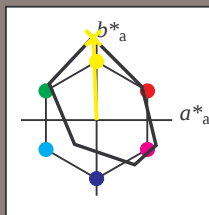
Hue texts:

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

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

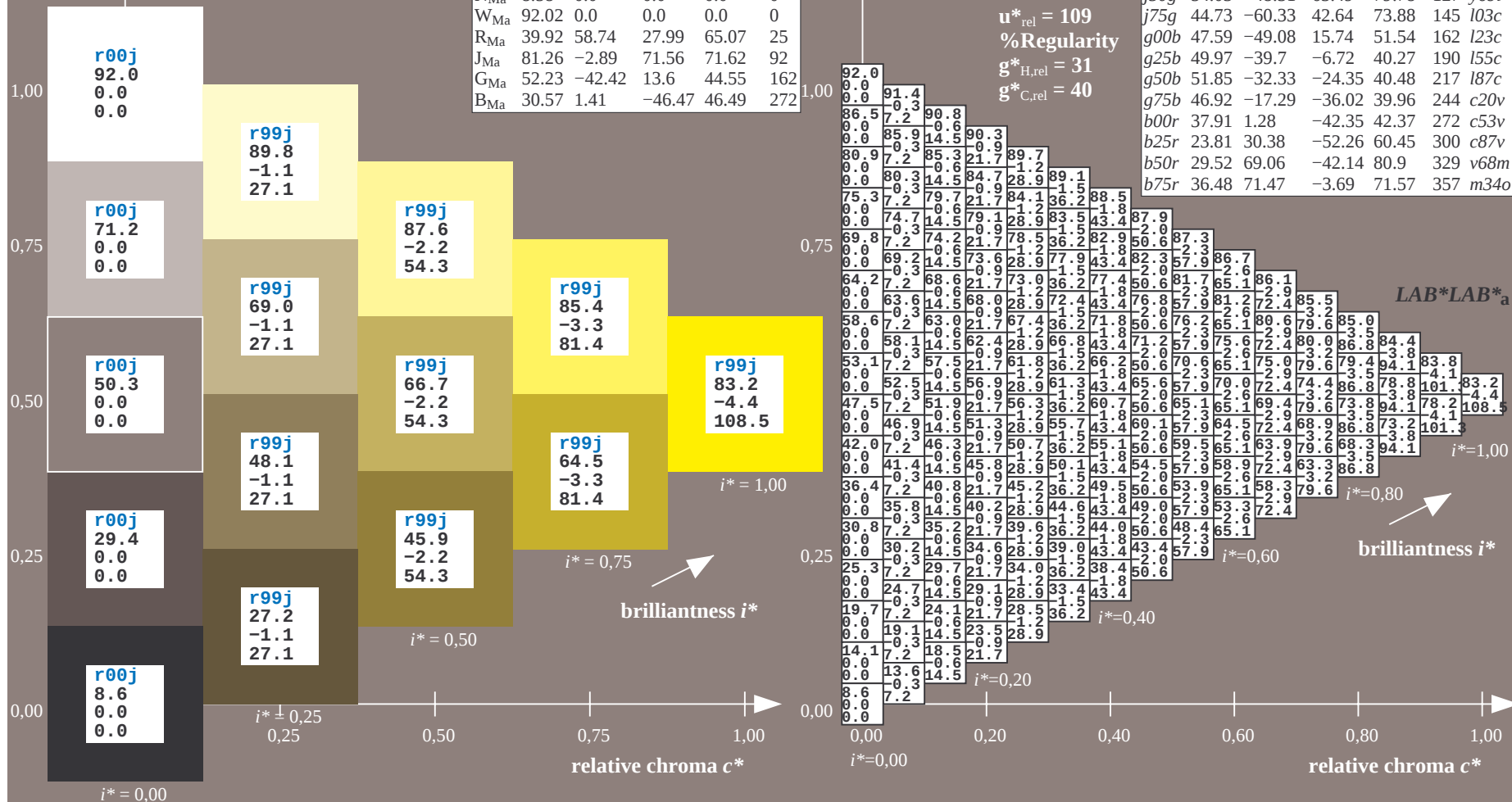
$u^*_{rel} = 109$

% 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	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^*

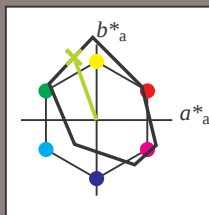
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

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

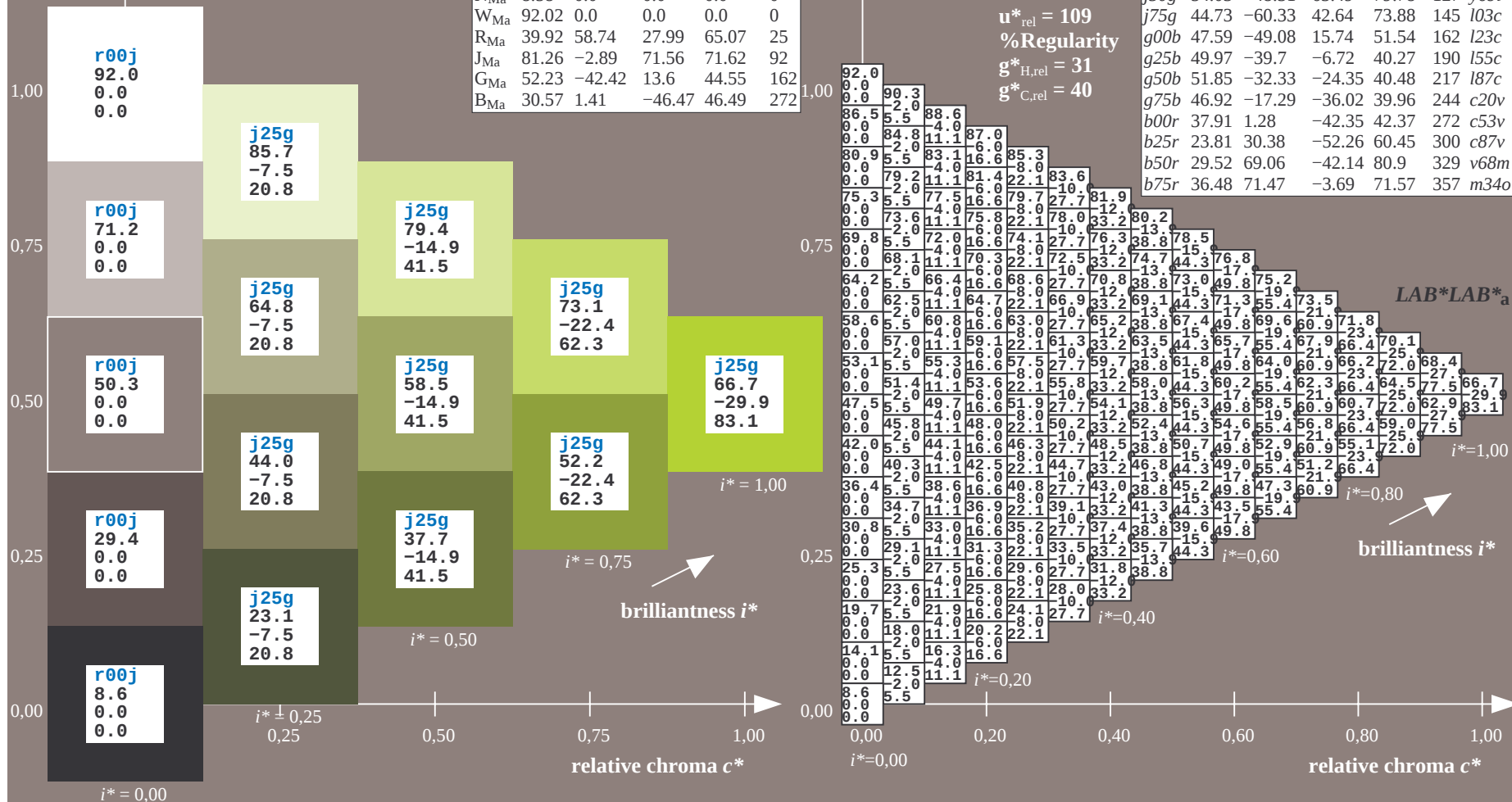
$g^*_{C,rel} = 40$

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	

$LAB^*LAB^*_a$

$i^*=1.00$

brilliantness i^*



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^*

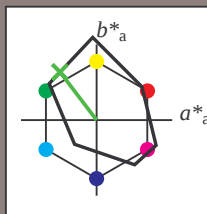
Hue texts:

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

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

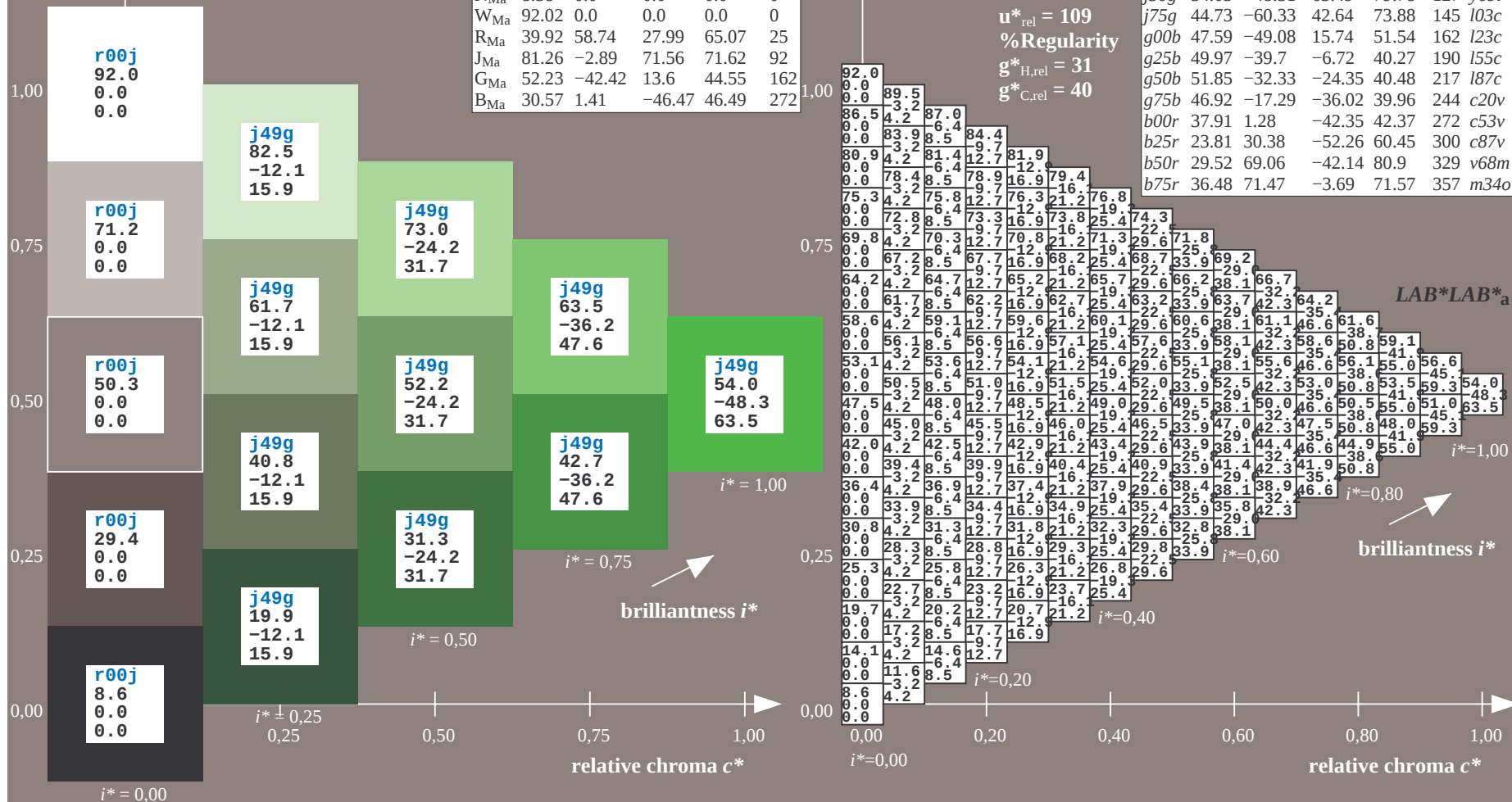
$u^*_{rel} = 109$

% 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^*

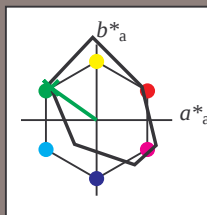
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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	

$LAB^*LAB^*_a$

$i^*=1.00$

brilliantness i^*

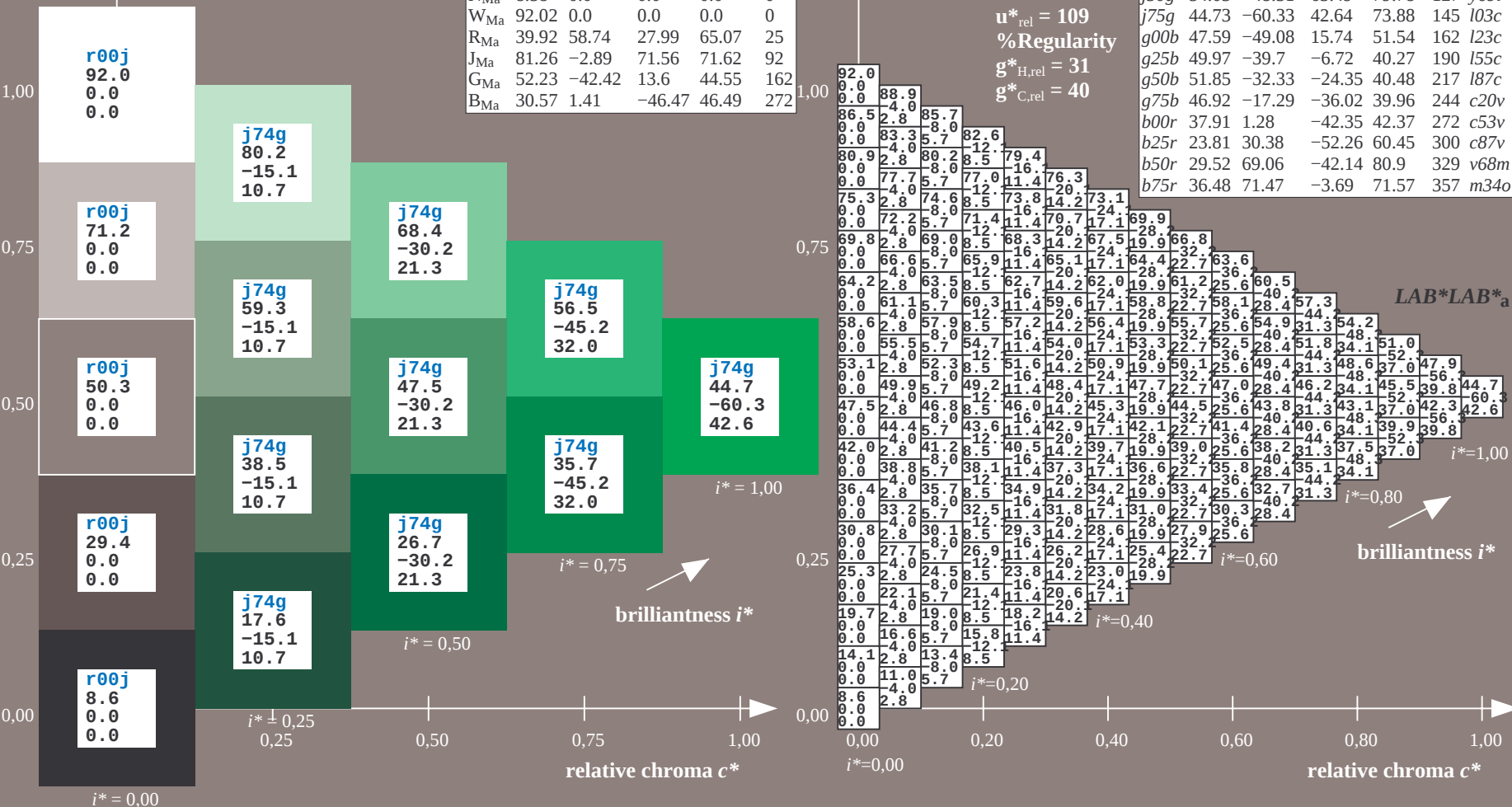
$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$



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

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

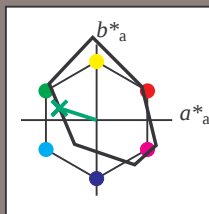
Hue texts:

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

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

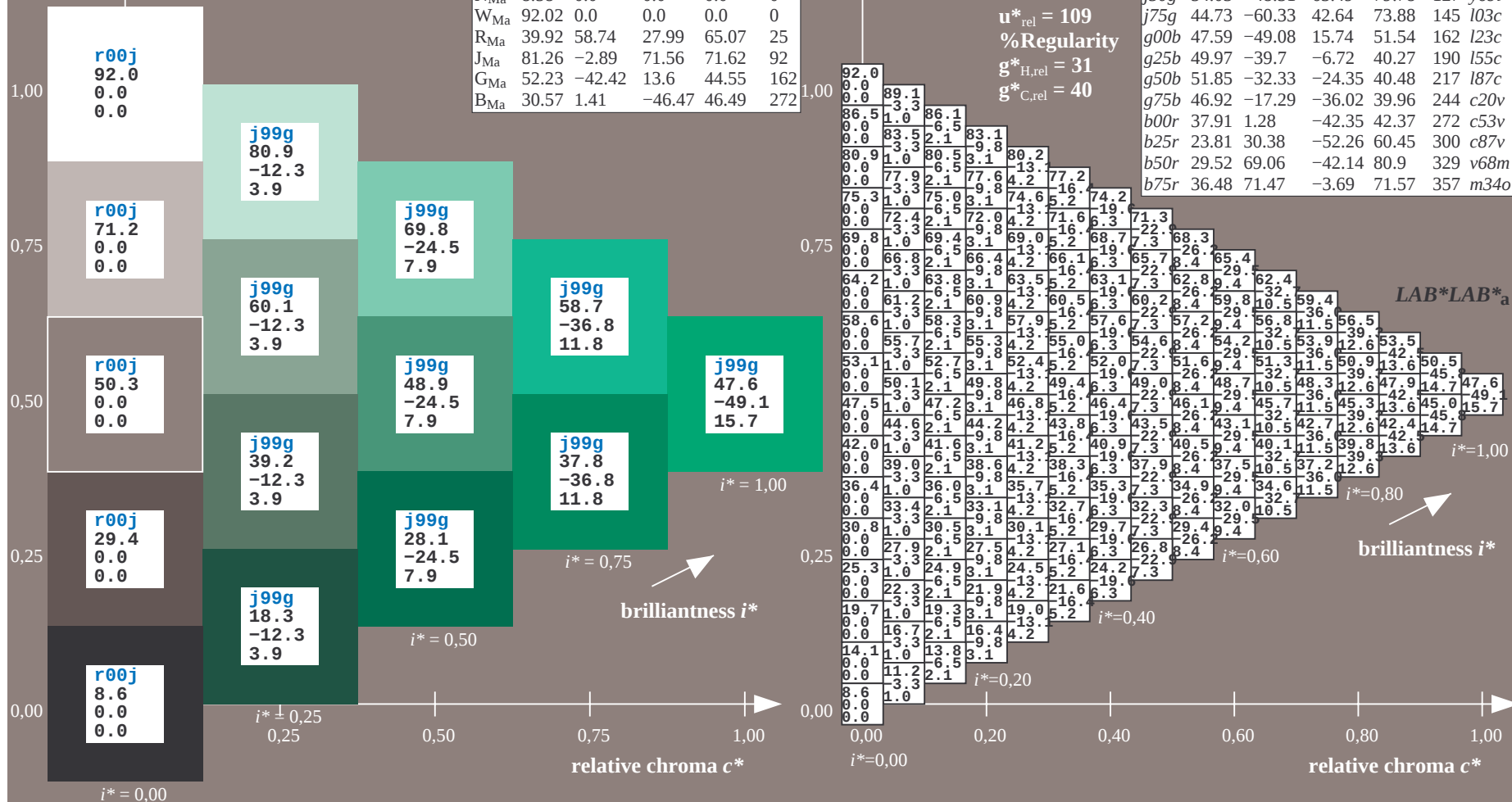
$u^*_{rel} = 109$

% 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	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 $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:

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

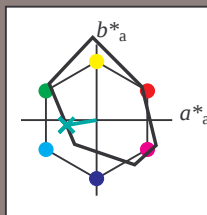
Hue texts:

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

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

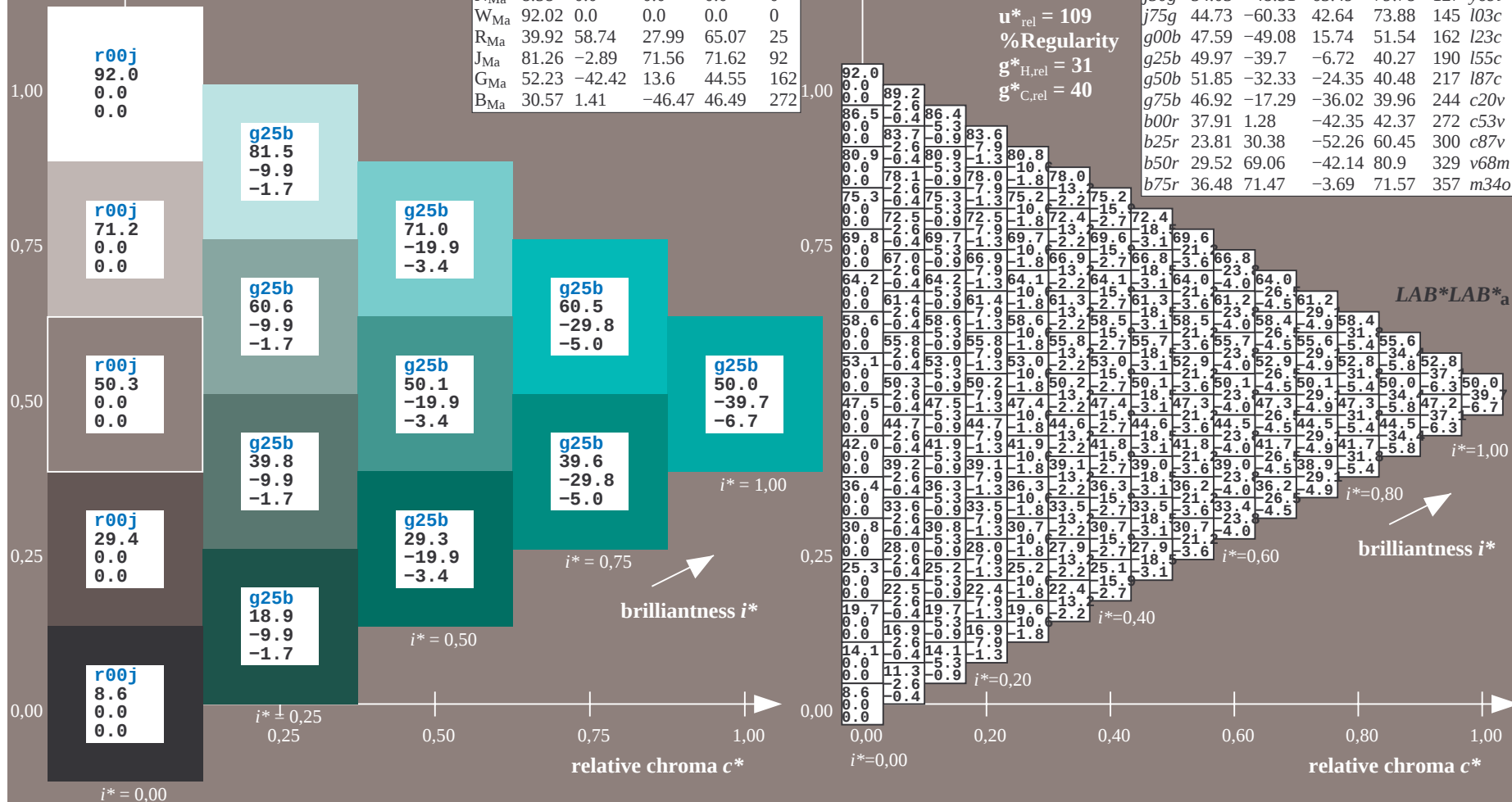
$u^*_{rel} = 109$

% 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^*

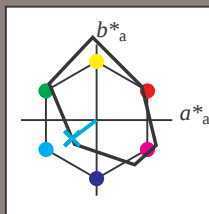
Hue texts:

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

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

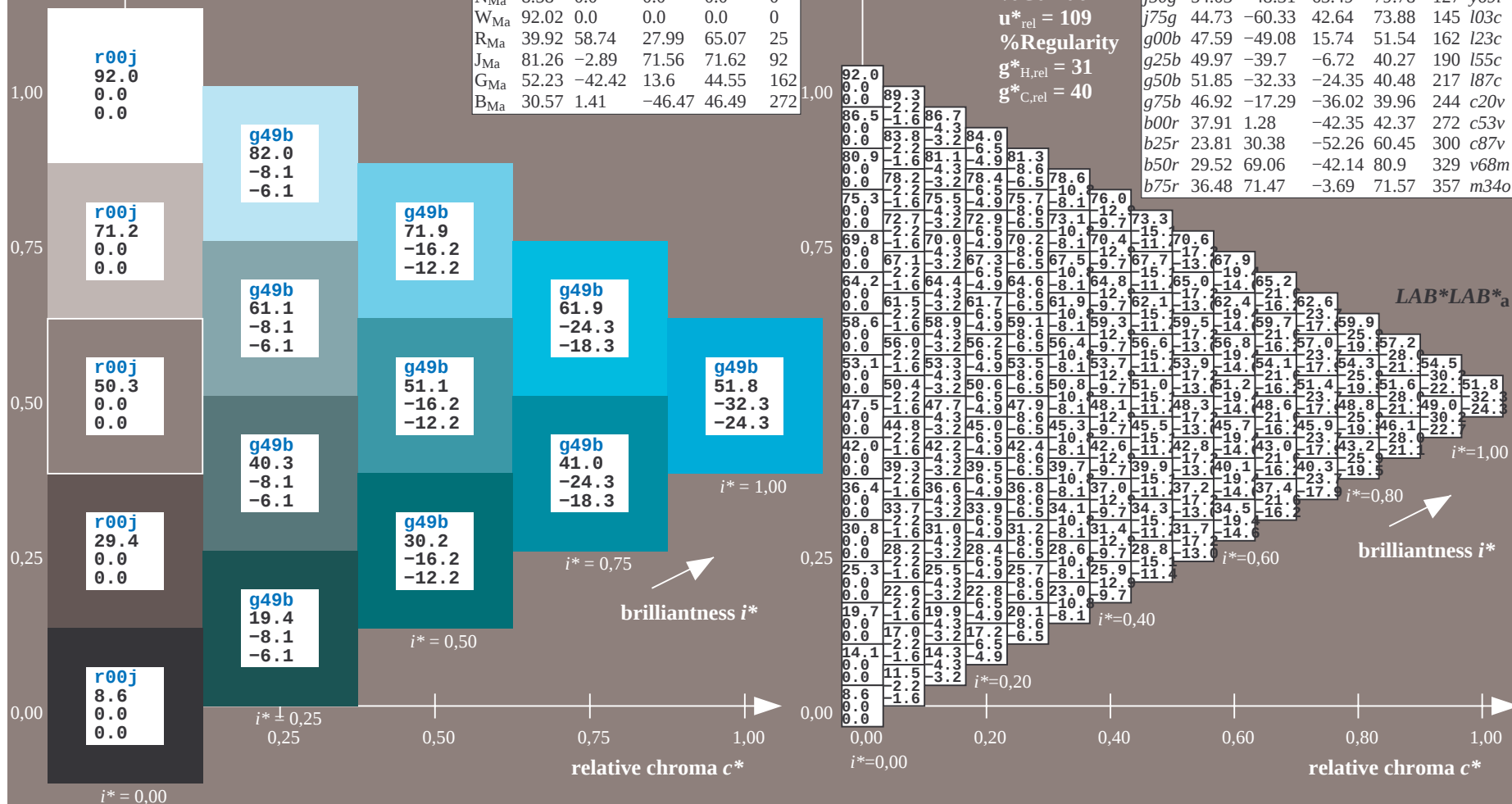
$u^*_{rel} = 109$

% 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	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 $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:

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

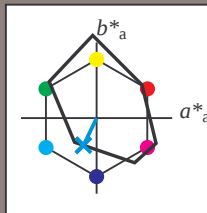
Hue texts:

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

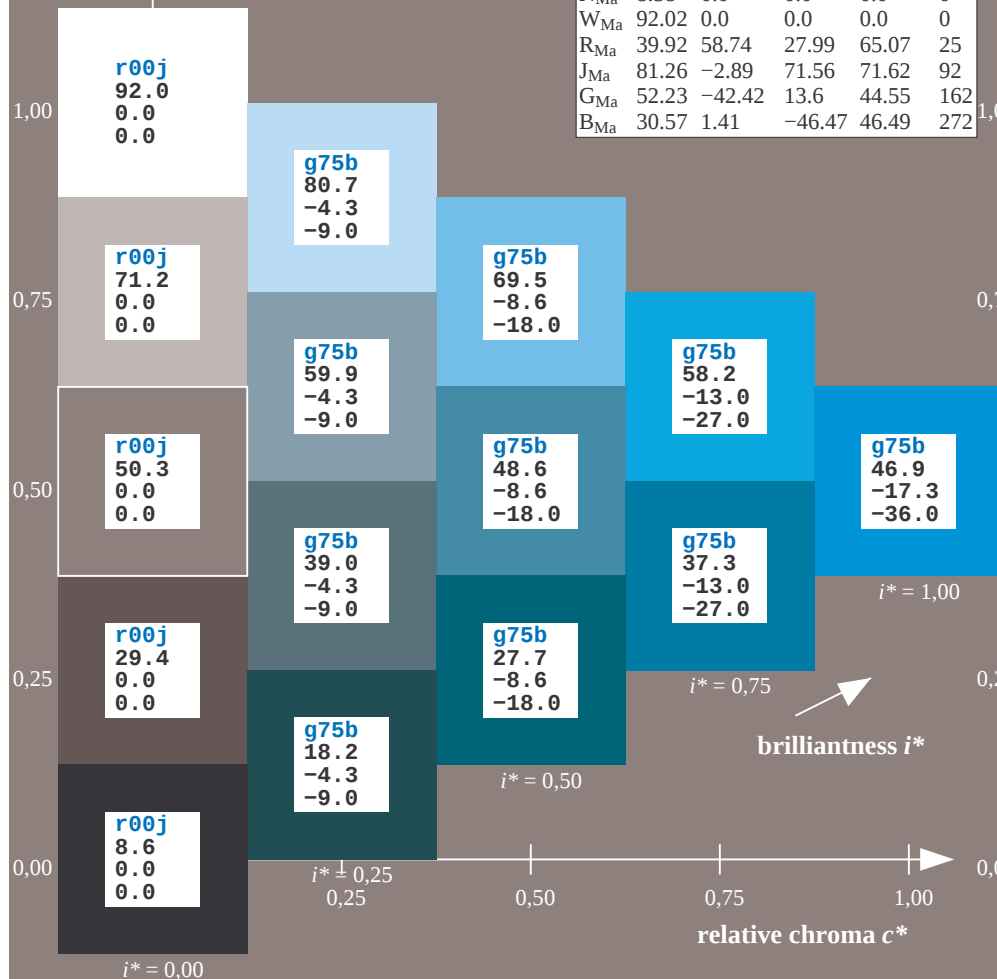
contrast reduction factor:

$c_R = 1.0$

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^*

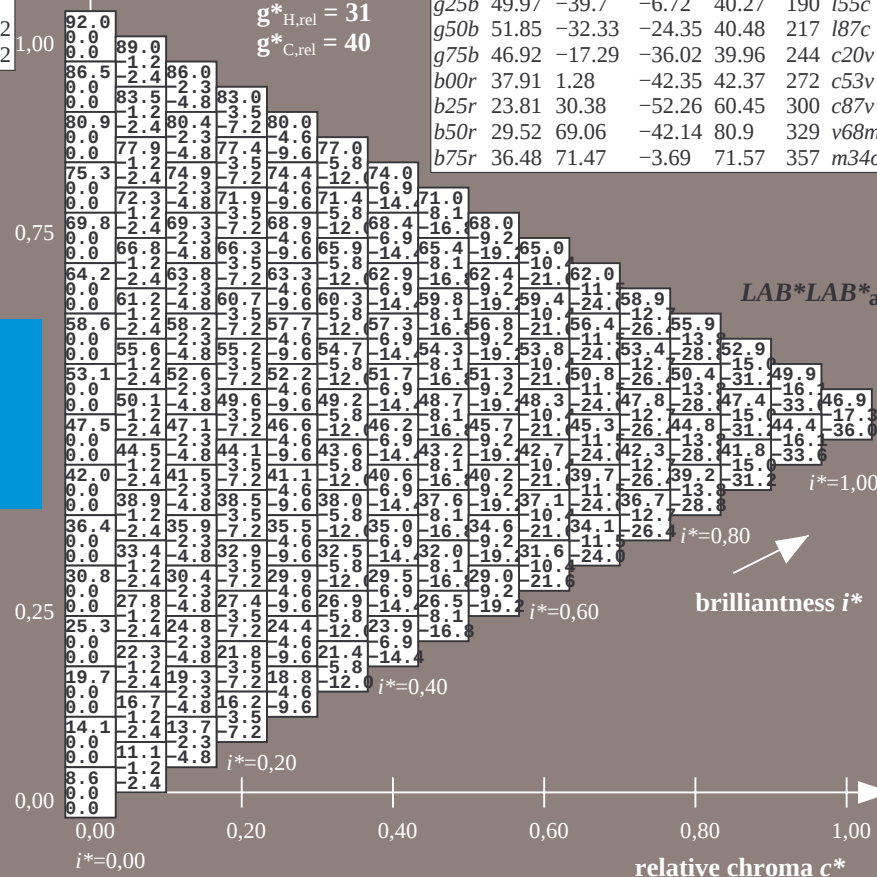
% Gamut

$u^*_{rel} = 109$

% Regularity

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

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



$u^*_e = g75b$

$LAB^*LAB^*_a$

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

$LAB^*LAB^*_a$

$i^*=1.00$

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^*

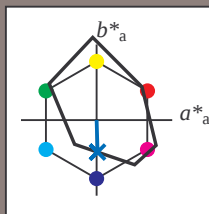
Hue texts:

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

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

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

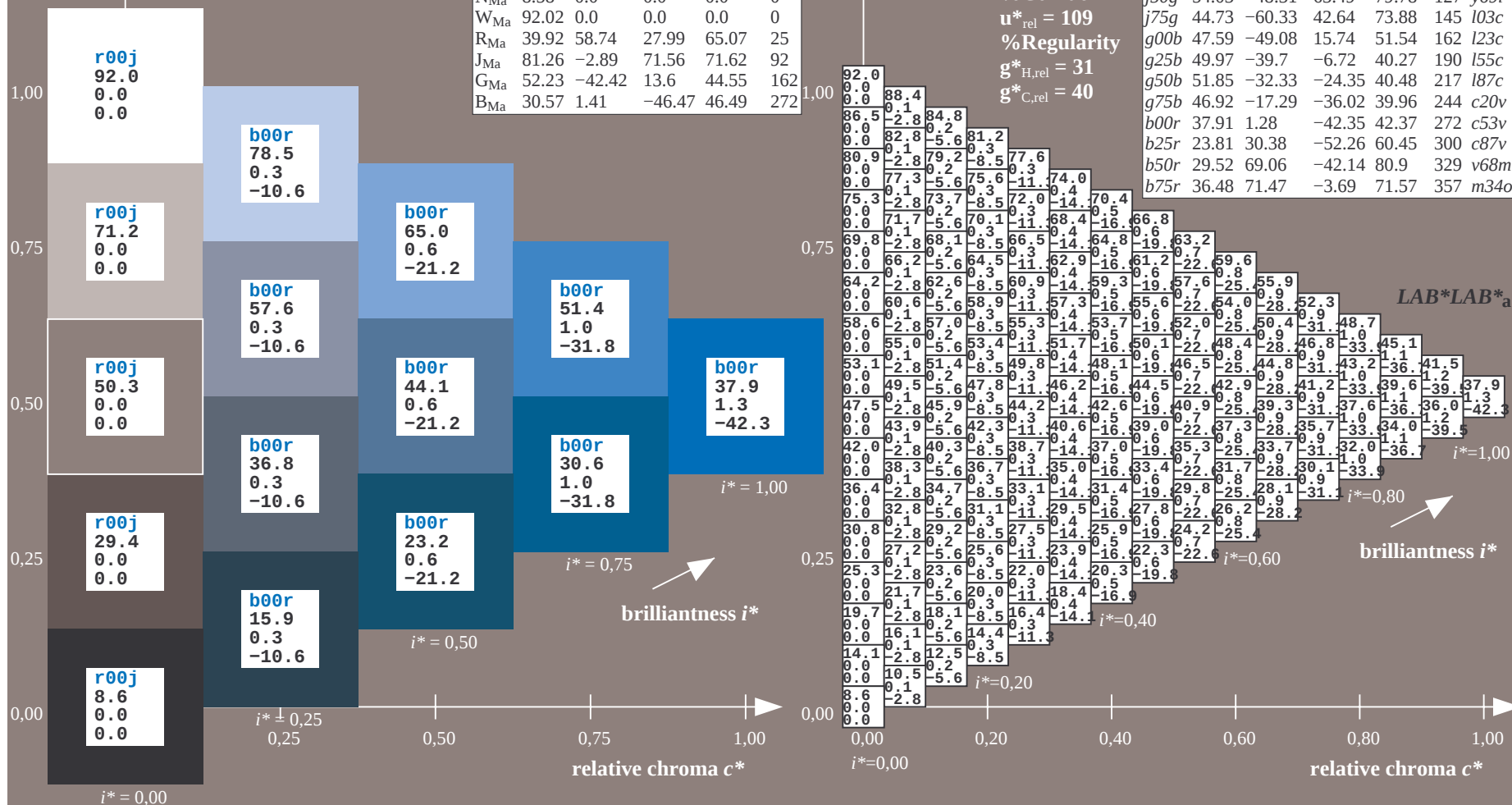
$g^*_{C,rel} = 40$

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	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	

$LAB^*LAB^*_{Ma}$

$i^*=1.00$

brilliantness i^*



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^*

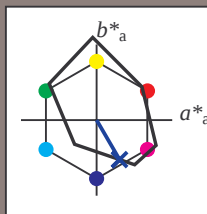
Hue texts:

$u_e^* = b25r$ $u_d^* = c87v$

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

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

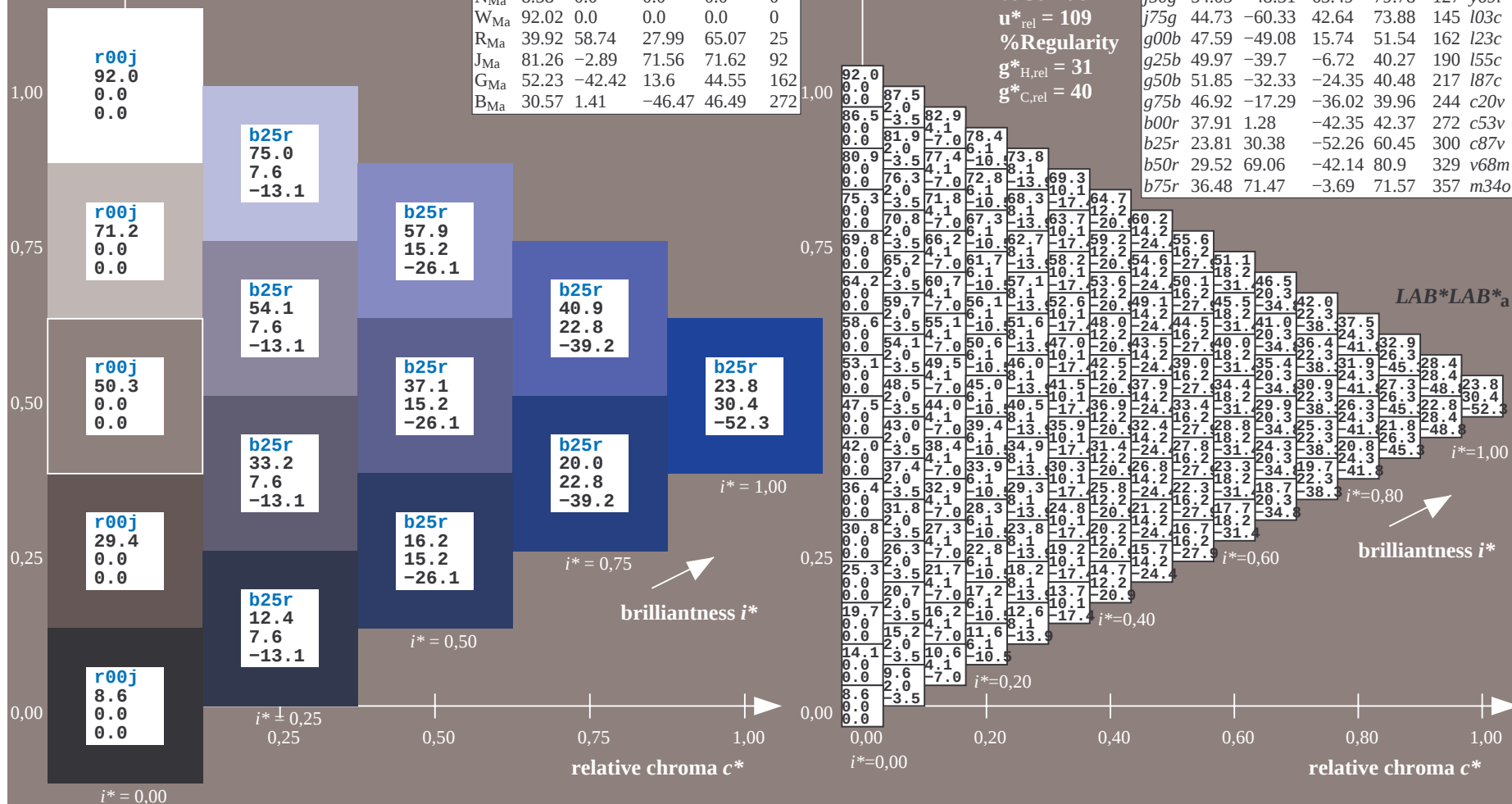
$g_{C,rel}^* = 40$

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	

$LAB^*LAB^*_a$

$i^*=1.00$

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^*

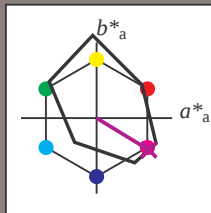
Hue texts:

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

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	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	

$u^*_e = b50r$

$LAB^*LAB^*_a$

$LAB^*LAB^*_a$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

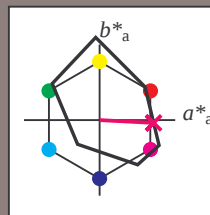
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	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

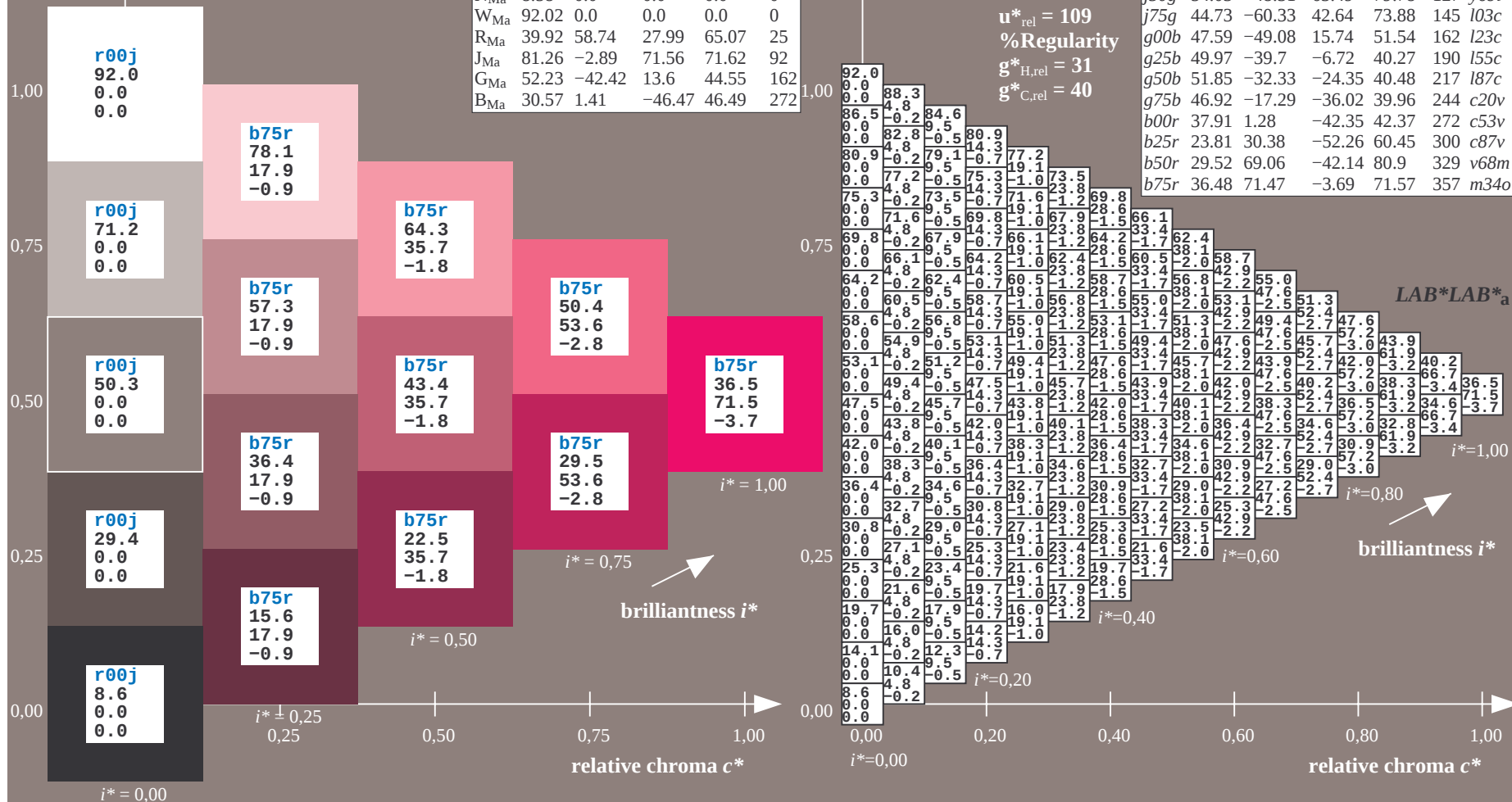
$u^*_{rel} = 109$

% Regularity

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

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

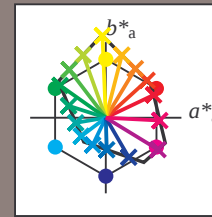
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	8.6	13.0	17.5	21.9	26.4	30.8	35.2	39.7	44.1	11.9	18.0	21.6	26.0	30.4	34.8	39.3	43.7	48.2	15.2	20.1	27.4	30.5	34.7	39.0	43.4	47.8	52.2	92.0	84.9	77.8	70.7	63.5	56.4	49.3	42.2	35.1	8.6	8.6	8.6	8.6
	9.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	-62.7	7.5	-0.6	-9.6	-17.6	-25.5	-33.4	-41.1	-49.0	-56.8	15.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	-43.1	-50.9	0.0	7.5	15.0	22.5	30.0	37.5	45.0	52.5	60.0	0.0	0.0	0.0	0.0
	9.0	6.0	-12.1	18.1	24.1	30.2	36.2	42.2	48.2	5.5	13.7	18.5	24.4	30.4	36.4	42.4	48.4	54.4	11.0	27.3	31.4	36.9	42.8	48.7	54.7	60.7	0.0	5.5	11.0	16.5	22.0	27.5	33.0	38.5	44.0	0.0	0.0	0.0	0.0	
02	9.3	14.1	18.8	23.5	28.2	32.7	37.3	41.8	46.3	12.2	19.0	23.5	27.9	32.3	36.8	41.2	45.7	50.1	15.5	22.3	28.4	32.1	36.6	40.8	45.3	49.7	54.2	87.1	81.6	74.5	67.4	60.2	53.1	46.0	38.9	31.7	19.0	19.0	19.0	19.0
	6.3	-3.5	-10.2	-17.1	-24.2	-31.5	-39.9	-46.4	-54.9	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	-62.7	7.5	-0.6	-9.6	-17.6	-25.5	-33.4	-41.1	-49.0	-56.8	0.0	7.5	15.0	22.5	30.0	37.5	45.0	52.5	60.0	0.0	0.0	0.0	0.0
	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	42.2	2.0	5.5	13.7	18.5	24.4	30.4	36.4	42.4	48.4	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	33.0	38.5	0.0	0.0	0.0	0.0
03	10.0	16.2	19.6	24.4	29.1	33.8	38.5	43.1	47.8	12.7	19.7	24.5	29.3	34.0	38.6	43.2	47.7	52.3	15.8	22.6	29.4	33.9	38.3	42.8	47.2	51.7	56.1	82.2	76.7	71.2	64.0	56.9	49.8	42.7	35.6	28.4	29.4	29.4	29.4	29.4
	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-41.2	-48.4	15.9	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	-38.9	-46.4	19.7	9.8	0.0	-7.8	-15.7	-23.5	-31.3	-39.2	-47.0	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	37.5	45.0	0.0	0.0	0.0	0.0
	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	9.7	14.1	-11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.2	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	33.0	0.0	0.0	0.0	0.0
04	10.7	17.9	21.7	25.1	29.8	34.6	39.4	44.1	48.8	13.4	20.4	26.6	30.0	34.8	39.5	44.3	49.0	53.6	16.3	23.2	30.1	34.9	39.7	44.4	49.0	53.6	58.2	77.3	71.7	66.2	60.7	53.6	46.5	39.4	32.3	25.1	39.9	39.9	39.9	39.9
	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-37.5	-44.4	22.2	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-41.2	22.5	15.9	6.3	-3.6	-10.2	-17.1	-24.2	-31.5	-38.9	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	37.5	0.0	0.0	0.0	0.0
	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	4.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	9.7	-16.0	-11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	27.5	0.0	0.0	0.0	0.0
05	11.4	19.4	23.7	27.1	30.6	35.3	40.1	44.9	49.6	14.1	21.1	28.4	32.1	35.5	40.3	45.1	49.8	54.5	16.9	23.8	30.8	37.0	40.5	45.2	50.0	54.7	59.4	72.3	66.8	61.3	55.8	50.3	43.2	36.1	28.9	21.8	50.3	50.3	50.3	50.3
	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-34.4	-41.0	28.5	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-37.5	31.9	22.2	12.6	-0.2	-7.3	-13.9	-20.5	-27.3	-34.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	30.0	0.0	0.0	0.0	0.0
	-25.9	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-6.8	-3.6	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	-23.4	-19.1	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	22.0	0.0	0.0	0.0	0.0
06	12.1	20.7	25.6	29.3	32.6	36.1	40.8	45.6	50.4	14.8	21.8	29.8	34.2	37.5	41.0	45.8	50.6	55.3	17.6	24.5	31.5	38.8	42.5	46.0	50.7	55.5	60.2	67.4	61.9	56.4	50.9	45.4	39.9	32.8	25.6	18.5	60.7	60.7	60.7	60.7
	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-31.5	-38.0	34.8	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-34.4	38.1	28.5	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	22.5	0.0	0.0	0.0	0.0
	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-13.6	-10.7	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-6.8	-30.9	-26.5	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	16.5	0.0	0.0	0.0	0.0
07	12.8	21.8	27.3	31.3	34.7	38.0	41.6	46.3	51.1	15.5	22.5	31.1	36.0	39.7	43.0	46.6	51.3	56.0	18.2	25.2	32.2	40.4	44.6	48.0	51.5	56.2	61.0	62.5	57.0	51.5	46.0	40.5	34.9	29.4	22.3	15.2	71.2	71.2	71.2	71.2
	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-28.7	-35.4	21.1	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-31.5	34.4	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	15.0	0.0	0.0	0.0	0.0	
	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.4	-17.4	-41.3	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-13.6	-38.3	-33.9	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	11.0	0.0	0.0	0.0	0.0
08	13.5	22.9	28.4	33.2	36.8	40.2	43.5	47.1	51.8	16.2	23.2	32.3	37.7	41.7	45.2	48.5	52.1	56.8	18.9	25.9	32.9	41.5	46.5	50.1	53.4	57.0	61.7	57.6	52.1	46.6	41.0	35.5	30.0	24.5	19.0	11.9	81.6	81.6	81.6	81.6
	40.4	24.6	12.3	3.3	-4.2	-11.1	-18.0	-25.5	-32.3	34.7	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-28.7	50.9	41.1	31.4	13.7	3.5	-4.0	-10.9	-18.2	-25.0	-25.0	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	7.5	0.0	0.0	0.0	0.0
	-51.7	-45.0	-40.9	-37.8	-35.0	-32.9	-30.5	-28.0	-24.4	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.4	-45.6	-41.3	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-28.0	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	5.5	0.0	0.0	0.0	0.0
09	14.2	23.9	30.9	38.9	42.3	45.5	49.0	52.1	55.7	16.7	23.9	33.3	38.2	42.3	45.8	49.3	52.9	57.6	19.5	26.5	33.5	42.7	47.1	51.2	55.6	59.9	62.5	52.7	47.1	41.6	36.1	30.6	25.1	19.6	14.1	8.2	92.0	92.0	92.0	92.0
	50.3	30.2	17.1	7.3	-0.7	-7.8	-14.7	-21.6	-29.1	53.6	44.0	24.6	12.3	3.3	-4.2	-11.1	-18.0	-25.5	57.0	47.3	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-29.1	-25.5	-21.9	-18.2	-14.6	-10.9	-7.3	-3.6	0.0	0.0	0.0	0.0	0.0
	-50.9	-52.2	-47.7	-44.4	-41.7	-39.2	-36.9	-34.6	-32.1	-56.0	-51.7	-45.0	-40.9	-37.8	-35.2	-32.9	-30.5	-28.0	-53.0	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-32.0	-28.0	-24.0	-20.0	-16.0	-12.0	-8.0	-4.0	0.0	0.0	0.0	0.0	
10	18.5	23.3	28.8	36.8	39.6	43.5	47.7	52.0	56.4	21.8	26.6	31.7	37.7	46.2	48.8	52.5	56.5	60.8	25.1	29.9	34.8	40.3	46.8	55.6	58.1	61.6	65.5	92.0	91.0	90.0	88.9	87.9	86.9	85.8	84.8	83.8	8.6	8.6	8.6	8.6
	25.2	16.0	8.7	-1.9	-12.1	-20.7	-28.9	-36.9	-44.9	30.0	26.3	16.8	8.7	-2.6	-13.0	-22.0	-30.0	-38.3	53.5	31.1	24.5	17.3	8.5	-3.2	-13.9	-23.1	-31.7	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	-3.9	-4.5	-5.2	0.0	0.0	0.0	0.0
	16.5	23.0	30.3	41.0	44.6	49.8	55.4	61.2	67.1	22.0	28.5	35.2	43.3	54.7	57.9	62.8	68.2	73.9	27.5	34.0	40.5	47.8	56.5	68.3	71.4	75.9	81.1	0.0	0.0	13.7	27.3	41.0	54.7	68.3	82.0	95.7	109.3	0.0	0.0	0.0
11	18.8	25.6	30.6	37.8	41.0	45.1	49.4	53.8	58.2	22.2	28.9	33.8	39.2	47.2	50.1	54.0	58.1	62.5	25.4	32.3	37.1	42.1	48.1	56.6	59.3	62.9	67.0	82.3	81.6	80.6	79.5	78.5	77.5	76.4	75.4	74.4	14.1	14.1	14.1	14.1
	24.7	15.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	-43.2	32.2	22.5	16.0	8.7	-1.9	-12.1	-20.7	-28.9	-36.9	39.3	30.0	23.6	16.8	8.7	-2.6	-13.0	-22.0	-30.0	46.3	0.0	-0.6	-1.3	-1.9	-2.6	-3.2	-3.9	-4.5	0.0	0.0	0.0	0.0
	7.3	11.0	17.6	27.3	31.4	36.9	42.8	48.7	54.7	12.7	16.5	23.0	30.3	41.0	44.6	49.8	55.4	61.2	18.0	22.0	28.5	35.2	43.3	54.7	57.9	62.8	68.2	-7.4	0.0	13.7	27.3	41.0	54.7	68.3	82.0	95.7	0.0	0.0	0.0	0.0
12	19.0	25.9	32.8	38.8	42.5	46.8	51.3	55.7	60.1	22.4	29.2	36.1	41.0	48.2	51.4	55.5	59.9	64.2	25.7	32.5	39.4	44.2	49.6	57.6	60.5	64.4	68.6	72.6	71.9	71.2	70.1	69.1	68.1	67.0	66					

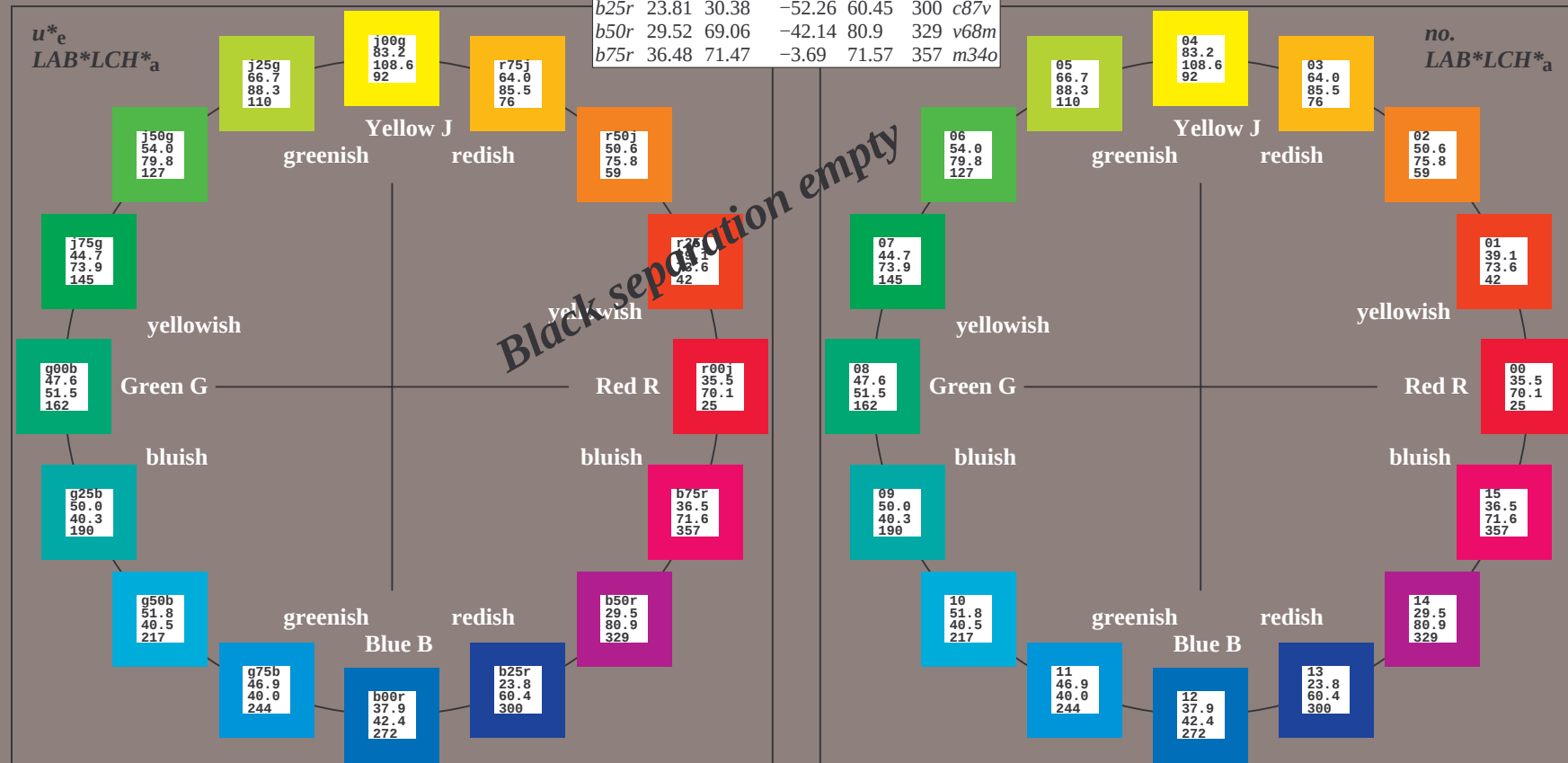
Input and output:
 Colorimetric Printer Reflective System FRS09_92a
 data for any colour:
 u_e^* and number $no.$ = 00 .. 15
 elementary hue text:
 $u_e^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
 contrast reduction factor:
 $c_R = 1.0$

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	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^*

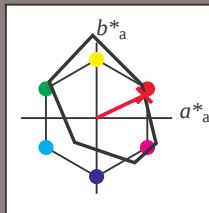
Hue texts:

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

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

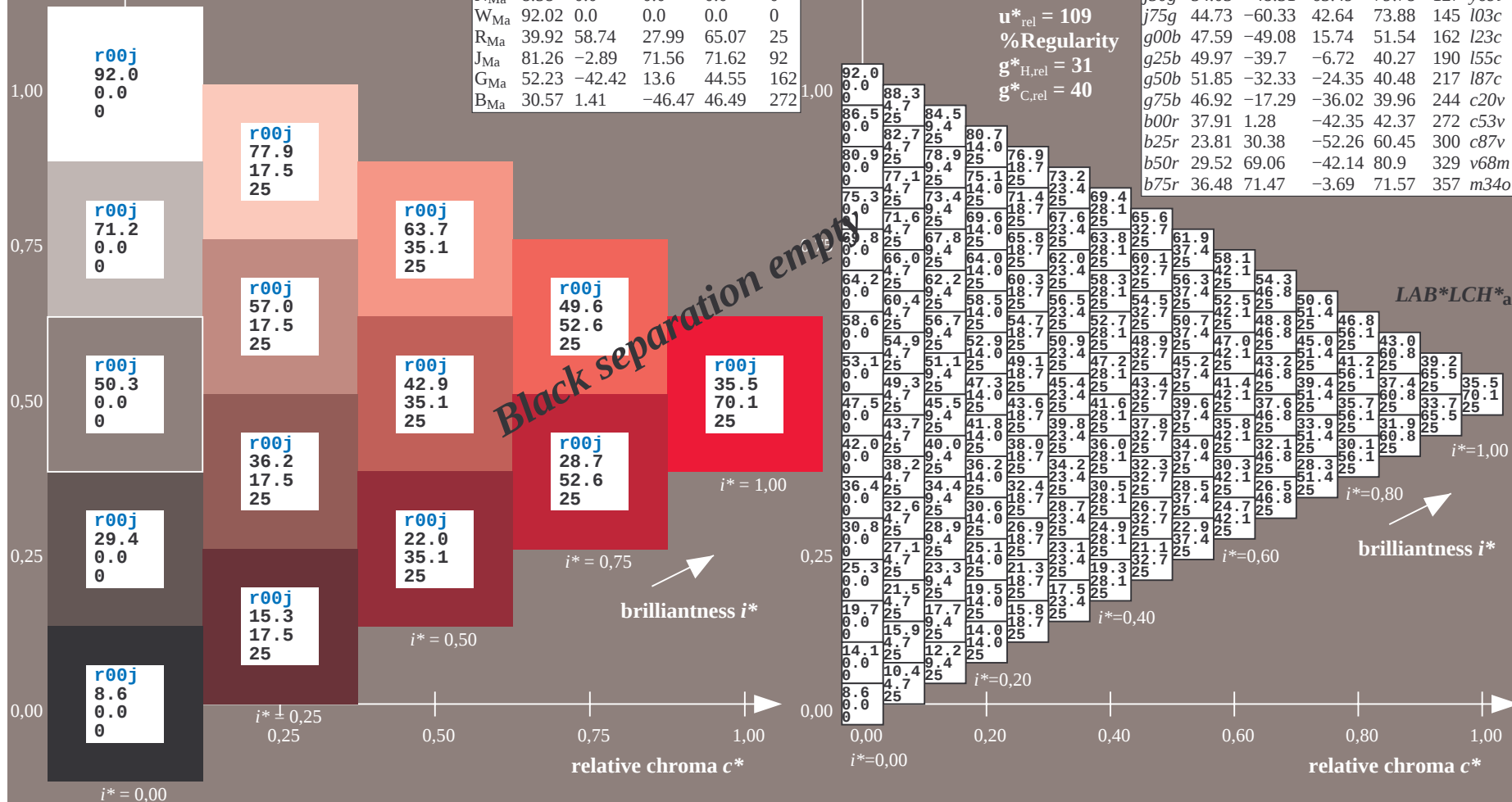
$u^*_{rel} = 109$

%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	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^*

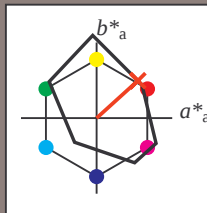
Hue texts:

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

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

$LAB^*LCH^*_{a}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

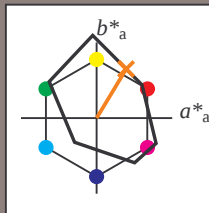
Hue texts:

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

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	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^*

$i^*=0,80$

$i^*=0,60$

$i^*=0,40$

$i^*=0,20$

$i^*=0,00$

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^*

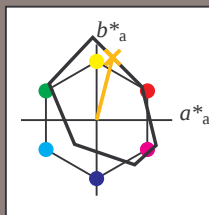
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

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

$LAB^*LCH^*_{a}$

$i^*=1,00$

brilliantness i^*

$i^*=0,80$

$i^*=0,60$

$i^*=0,40$

$i^*=0,20$

$i^*=0,00$

relative chroma c^*

relative chroma c^*

1,00

0,75

0,50

0,25

0,00

$i^* = 0,00$

$i^* \pm 0,25$

$i^* = 0,50$

$i^* = 0,75$

$i^* = 1,00$

brilliantness 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^*

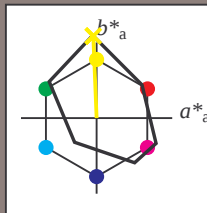
Hue texts:

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

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	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^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$
0.25

0.50

0.75

1.00

0.00

0.20

0.40

0.60

0.80

1.00

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^*

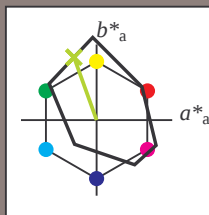
Hue texts:

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

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

$u^*_e = j25g$

$LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

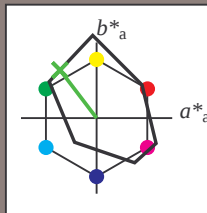
Hue texts:

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

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^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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^*

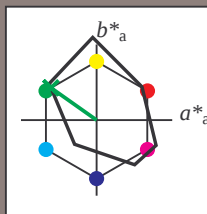
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	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^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

$i^* \pm 0.25$

$i^* = 0.50$

$i^* = 0.75$

$i^* = 1.00$

Black separation empty

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^*

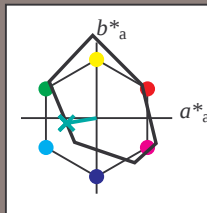
Hue texts:

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

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	

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$

$i^* = 0.50$

$i^* = 0.75$

$i^* = 1.00$

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^*

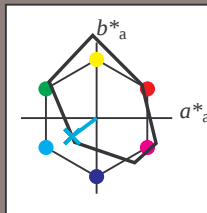
Hue texts:

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

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	

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$
0.25

$i^* = 0.50$

$i^* = 0.75$

$i^* = 1.00$

Black separation empty

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^*

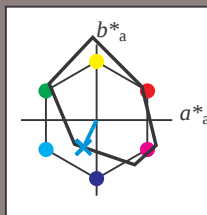
Hue texts:

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

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	

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

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^*

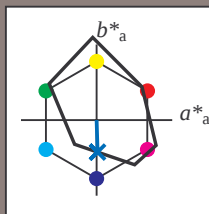
Hue texts:

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

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	

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

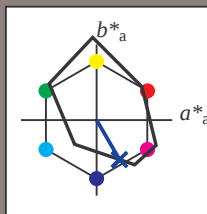
Hue texts:

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

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^*

$i^*=0,80$

$i^*=0,60$

$i^*=0,40$

$i^*=0,20$

$i^*=0,00$

relative chroma c^*

relative chroma c^*

$i^* = 0,00$

$i^* \pm 0,25$
0,25

$i^* = 0,50$

$i^* = 0,75$

$i^* = 1,00$

brilliantness i^*

Black separation empty

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^*

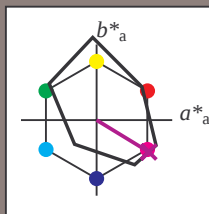
Hue texts:

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

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	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 $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

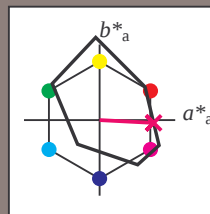
Hue texts:

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

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	

$LAB^*LCH^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

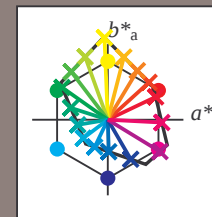
relative chroma c^*

$i^* = 0.00$

	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	13.0	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	4870.9	4875.3	4879.7	4884.1	4888.5	4892.9	4897.3	4901.7	4906.1	4910.5	4914.9	4919.3	4923.7	4928.1	4932.5	4936.9	4941.3	4945.7	4950.1	4954.5	4958.9	4

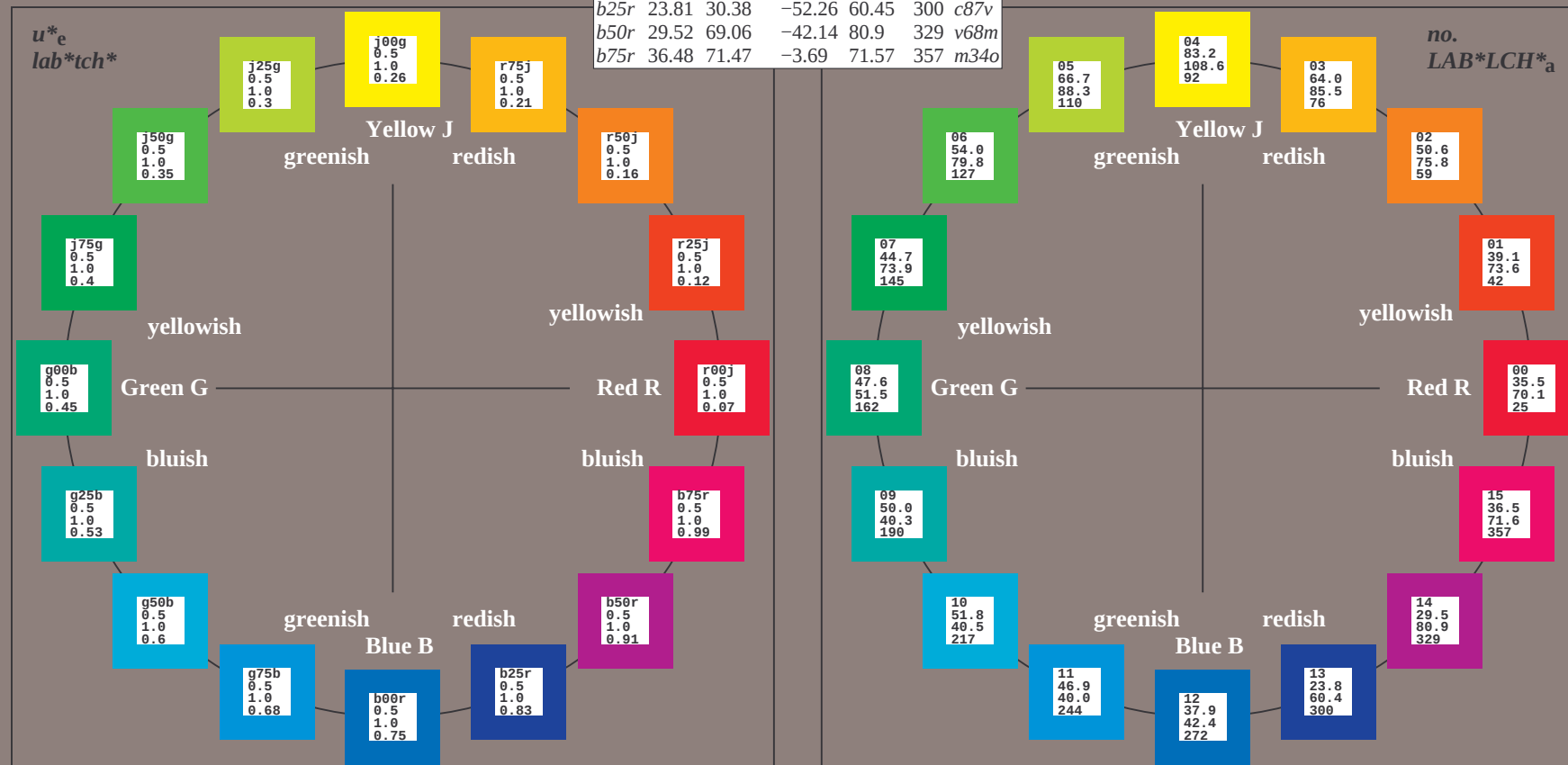
Input and output:
 Colorimetric Printer Reflective System FRS09_92a
 data for any colour:
 u^*_e and number *no.* = 00 .. 15
 elementary hue text:
 u^*_e = 16 hues *r00j*, *r25j*, ..., *b75r*
 contrast reduction factor:
 $c_R = 1.0$

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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.071$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

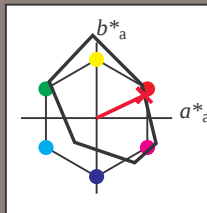
Hue texts:

$u_e^* = r00j$ $u_d^* = m81o$

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):

$LAB \cdot LAB \cdot Ma$: 35 63 30

$LAB \cdot LCH \cdot Ma$: 35 70 25

$lab \cdot rgb \cdot Ma$: 1.0 0.0 0.0

$lab \cdot olv \cdot Ma$: 1.0 0.0 0.18

triangle lightness t^*

% Gamut

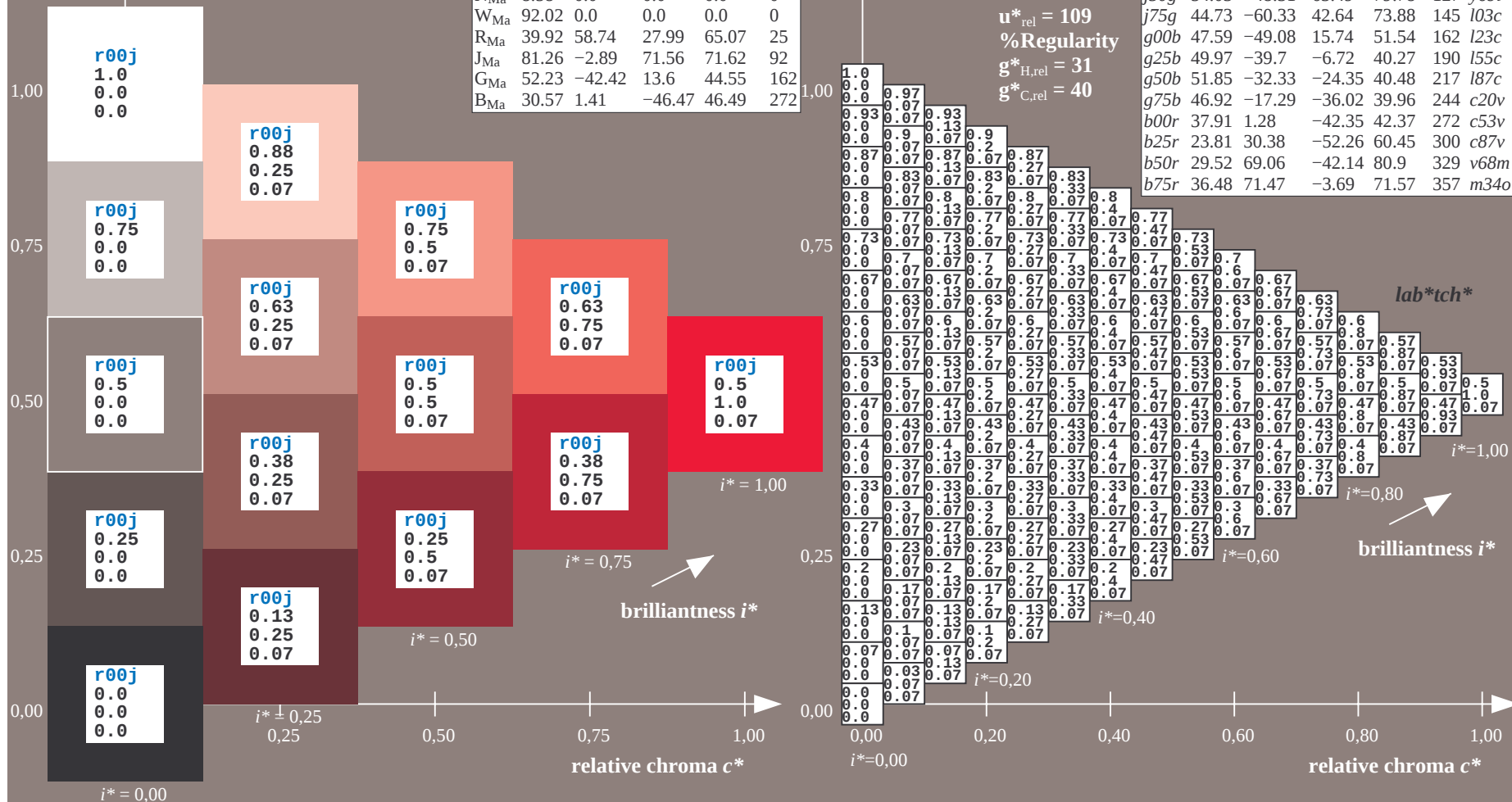
$u_{rel}^* = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.117$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

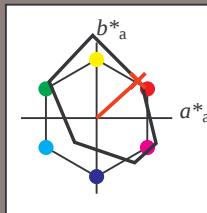
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 39 55 49

$LAB \cdot LCH \cdot Ma$: 39 74 42

$lab \cdot rgb \cdot Ma$: 1.0 0.25 0.0

$lab \cdot olv \cdot Ma$: 1.0 0.11 0.0

triangle lightness t^*

% Gamut

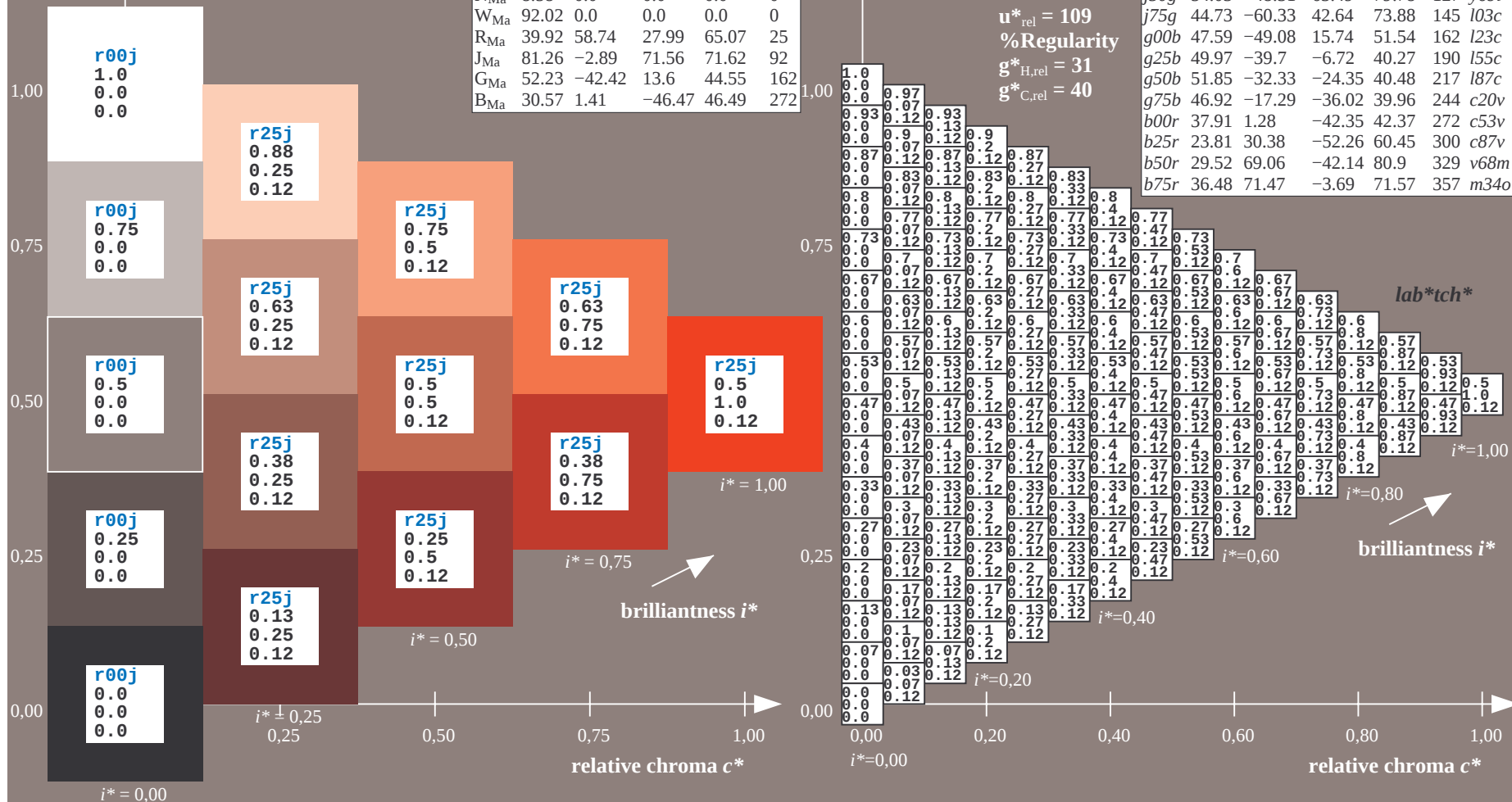
$u^*_{rel} = 109$

% 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	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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.164$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

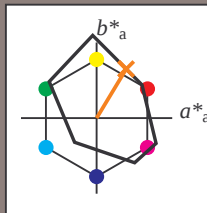
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 51 \ 39 \ 65$

$LAB \cdot LCH \cdot Ma: 51 \ 76 \ 58$

$lab \cdot rgb \cdot Ma: 1.0 \ 0.5 \ 0.0$

$lab \cdot olv \cdot Ma: 1.0 \ 0.4 \ 0.0$

triangle lightness t^*

% Gamut

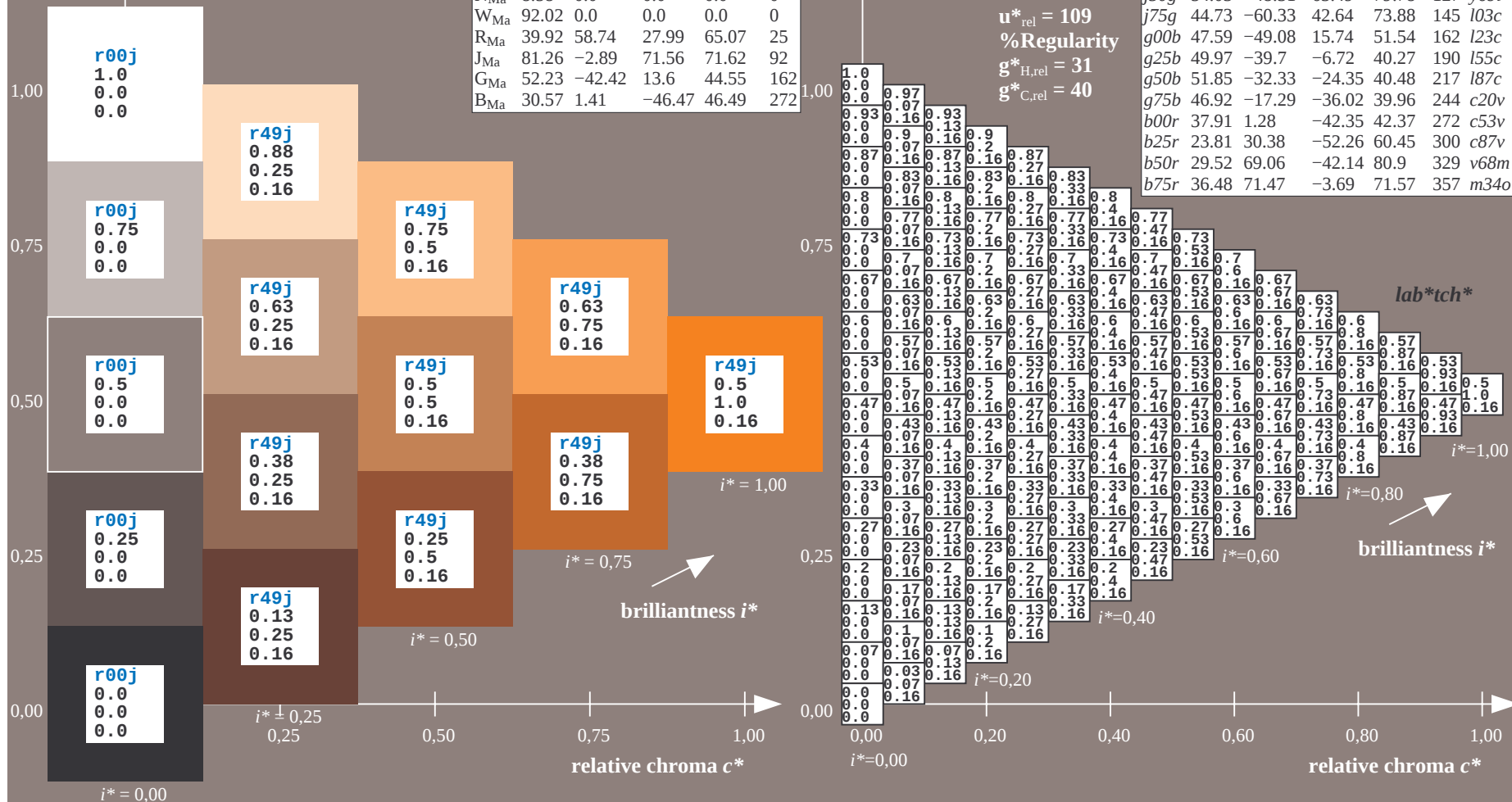
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.21$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

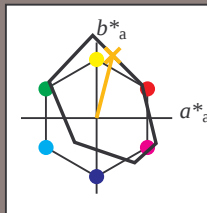
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 64 21 83

$LAB \cdot LCH \cdot Ma$: 64 86 75

$lab \cdot rgb \cdot Ma$: 1.0 0.75 0.0

$lab \cdot olv \cdot Ma$: 1.0 0.7 0.0

triangle lightness t^*

% Gamut

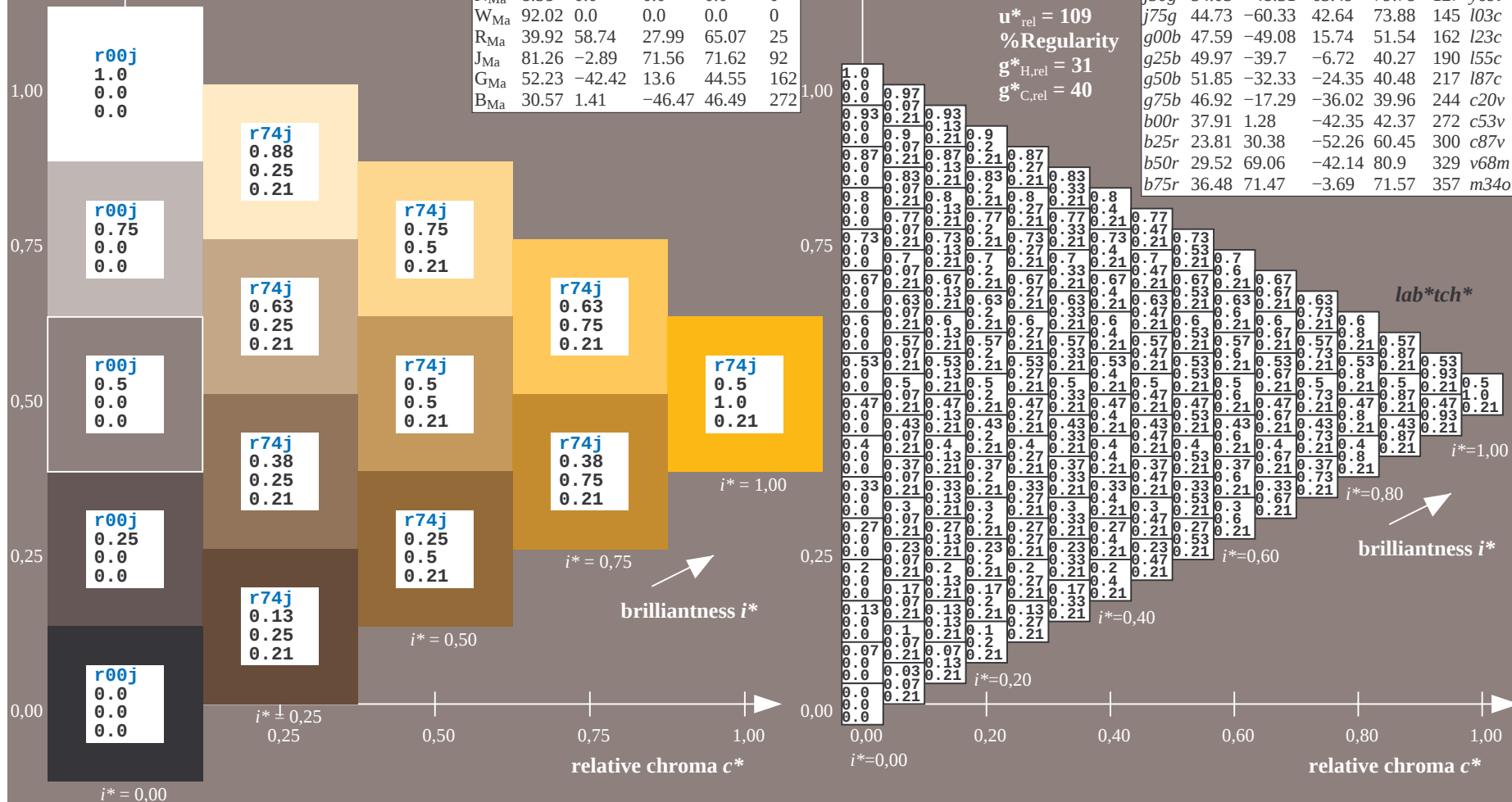
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.256$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

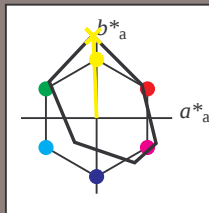
Hue texts:

$u_e^* = j00g$ $u_d^* = o98y$

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):

$LAB \cdot LAB \cdot Ma: 83 -4 109$

$LAB \cdot LCH \cdot Ma: 83 109 92$

$lab \cdot rgb \cdot Ma: 1.0 1.0 0.0$

$lab \cdot olv \cdot Ma: 1.0 0.99 0.0$

triangle lightness t^*

% Gamut

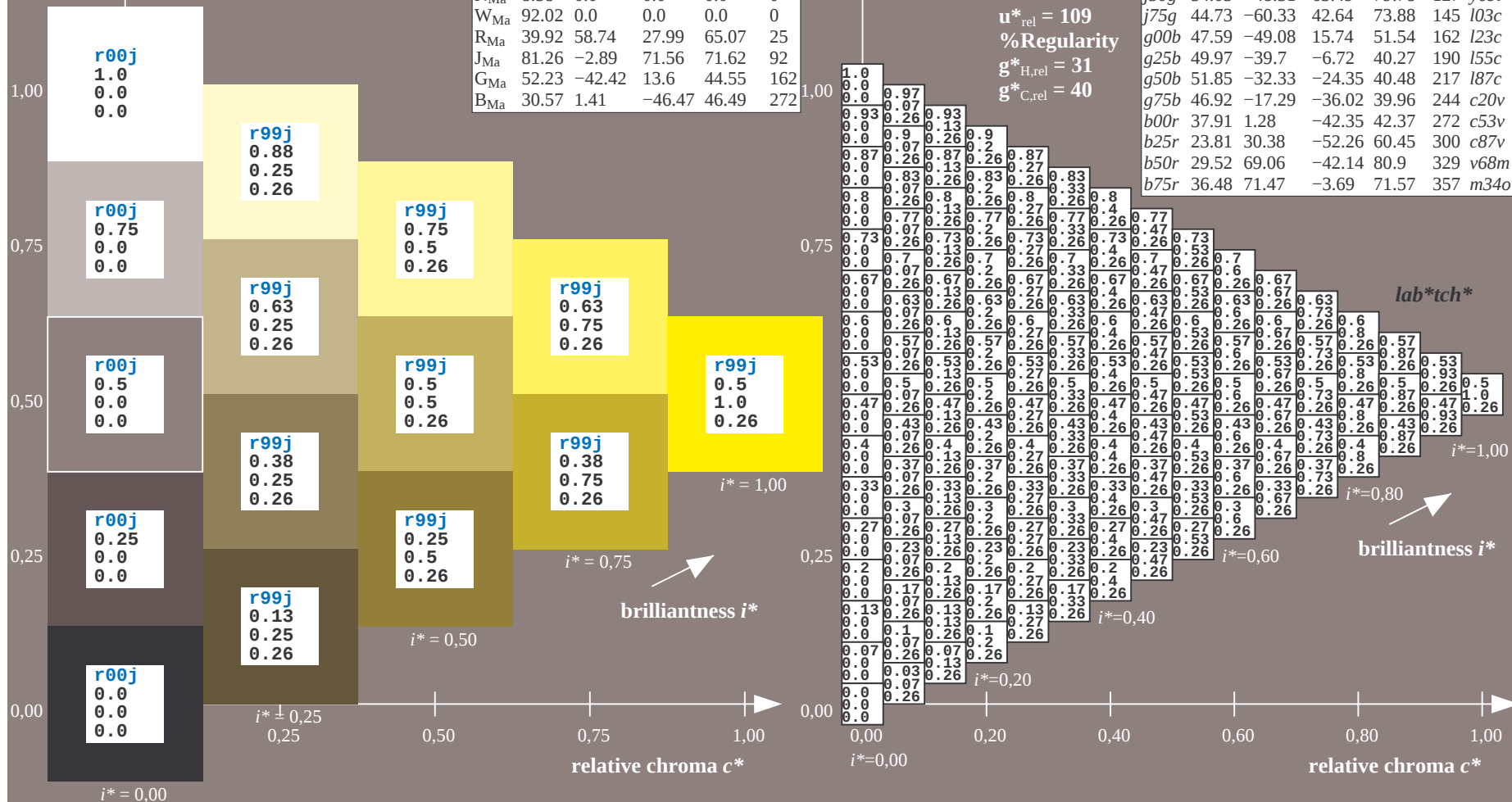
$u_{rel}^* = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.305$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

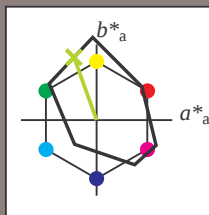
Hue texts:

$u_e^* = j25g$ $u_d^* = y34l$

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):

$LAB \cdot LAB \cdot Ma$: 67 -30 83

$LAB \cdot LCH \cdot Ma$: 67 88 109

$lab \cdot rgb \cdot Ma$: 0.75 1.0 0.0

$lab \cdot olv \cdot Ma$: 0.66 1.0 0.0

triangle lightness t^*

% Gamut

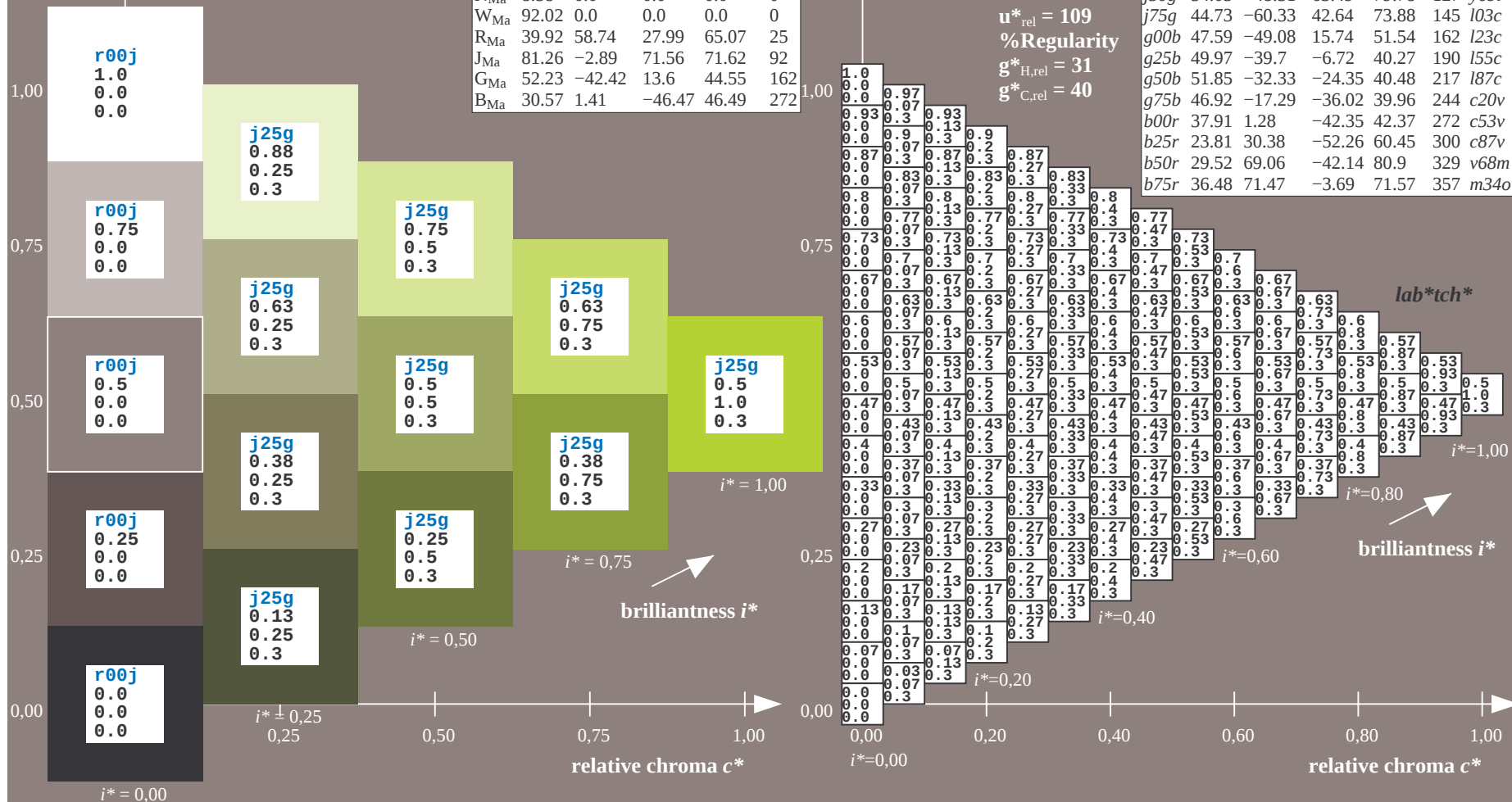
$u_{rel}^* = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.354$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

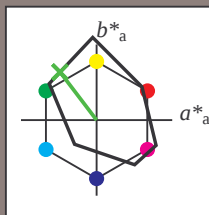
Hue texts:

$u_e^* = j50g$ $u_d^* = y69l$

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):

$LAB \cdot LAB \cdot Ma$: 54 -48 63

$LAB \cdot LCH \cdot Ma$: 54 80 127

$lab \cdot rgb \cdot Ma$: 0.5 1.0 0.0

$lab \cdot olv \cdot Ma$: 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	

$lab \cdot tch^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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:

$lab \cdot tch^*$ and $lab \cdot icu^*$

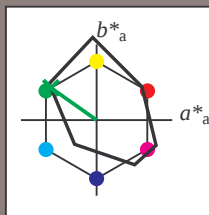
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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):

$LAB \cdot LAB \cdot Ma$: 45 -60 43

$LAB \cdot LCH \cdot Ma$: 45 74 144

$lab \cdot rgb \cdot Ma$: 0.25 1.0 0.0

$lab \cdot olv \cdot Ma$: 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	l03c	
g00b	47.59	-49.08	15.74	51.54	162	l23c	
g25b	49.97	-39.7	-6.72	40.27	190	l55c	
g50b	51.85	-32.33	-24.35	40.48	217	l87c	
g75b	46.92	-17.29	-36.02	39.96	244	c20v	
b00r	37.91	1.28	-42.35	42.37	272	c53v	
b25r	23.81	30.38	-52.26	60.45	300	c87v	
b50r	29.52	69.06	-42.14	80.9	329	v68m	
b75r	36.48	71.47	-3.69	71.57	357	m34o	

$lab \cdot tch^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

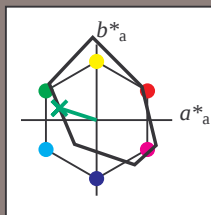
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 48 -49 16$

$LAB \cdot LCH \cdot Ma: 48 52 162$

$lab \cdot rgb \cdot Ma: 0.0 1.0 0.0$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.23$

triangle lightness t^*

% Gamut

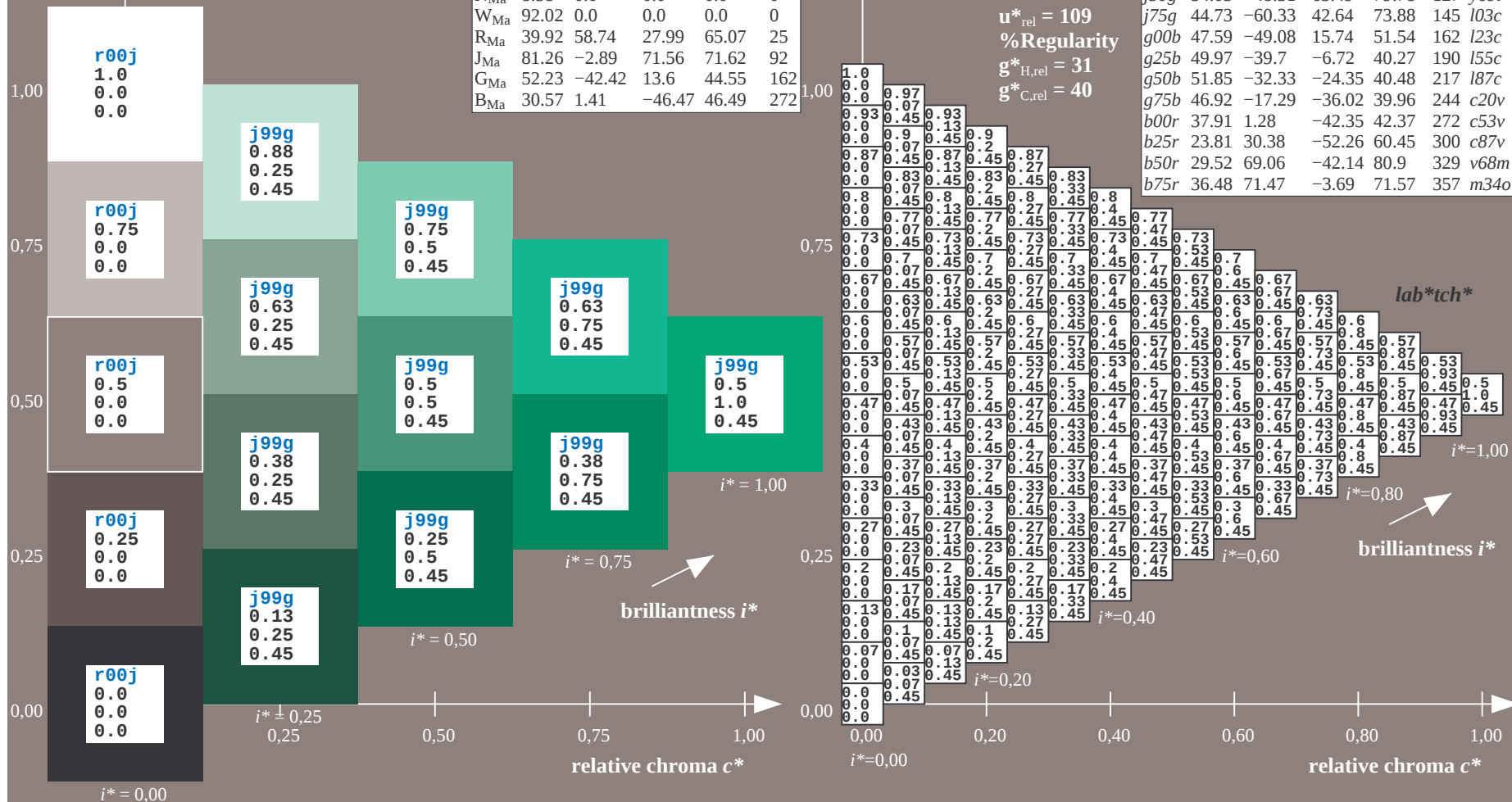
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.527$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

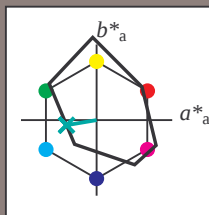
Hue texts:

$u_e^* = g25b$ $u_d^* = l55c$

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):

$LAB \cdot LAB \cdot Ma: 50 -40 -7$

$LAB \cdot LCH \cdot Ma: 50 40 189$

$lab \cdot rgb \cdot Ma: 0.0 1.0 0.5$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.55$

triangle lightness t^*

% Gamut

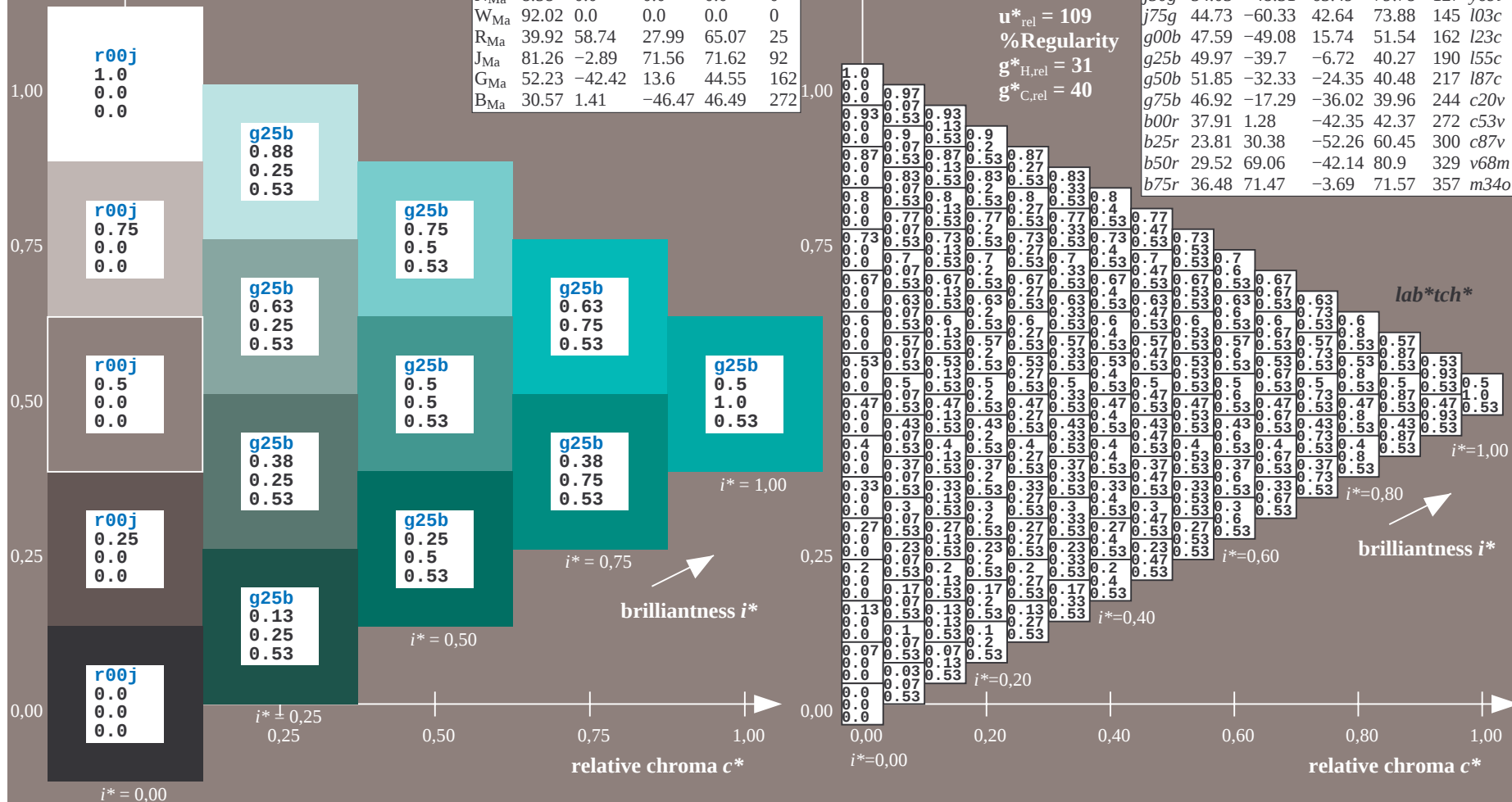
$u_{rel}^* = 109$

% 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:

$lab \cdot tch^*$ and $lab \cdot icu^*$

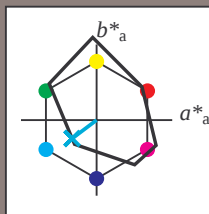
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 52 -32 -24$

$LAB \cdot LCH \cdot Ma: 52 40 216$

$lab \cdot rgb \cdot Ma: 0.0 1.0 1.0$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.87$

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	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	

$lab \cdot tch^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

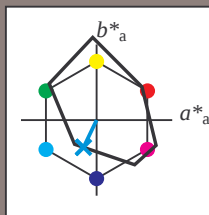
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 47 -17 -36$

$LAB \cdot LCH \cdot Ma: 47 40 244$

$lab \cdot rgb \cdot Ma: 0.0 0.5 1.0$

$lab \cdot olv \cdot Ma: 0.0 0.8 1.0$

triangle lightness t^*

% Gamut

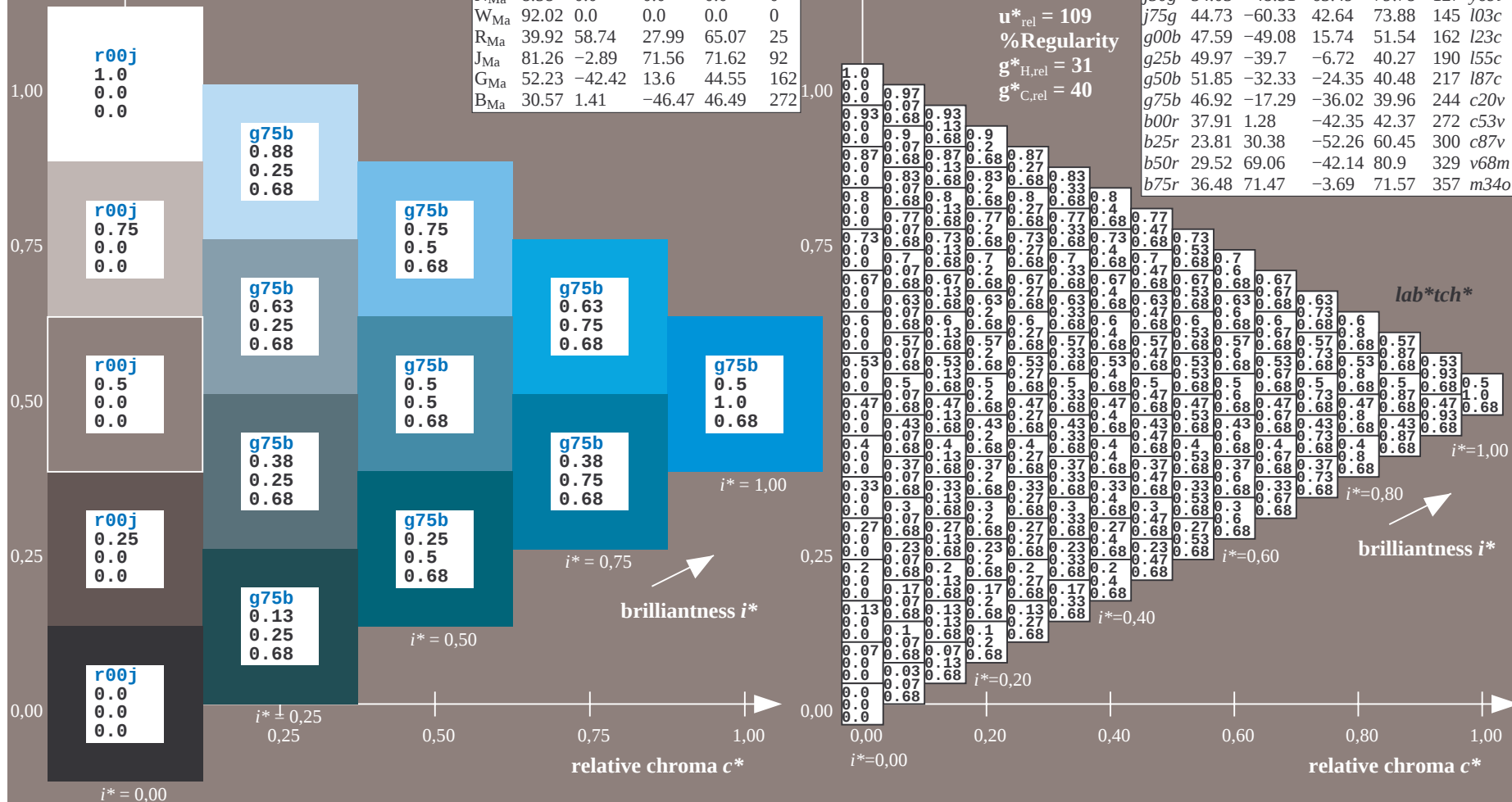
$u^*_{rel} = 109$

% 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^*

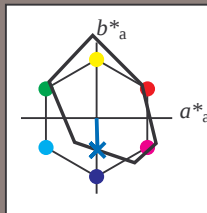
Hue texts:

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

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	

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^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

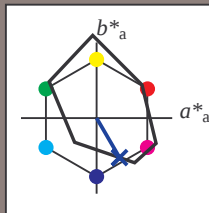
Hue texts:

$u_e^* = b25r$ $u_d^* = c87v$

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):

$LAB \cdot LAB \cdot Ma$: 24 30 -52

$LAB \cdot LCH \cdot Ma$: 24 60 300

$lab \cdot rgb \cdot Ma$: 0.5 0.0 1.0

$lab \cdot olv \cdot Ma$: 0.0 0.12 1.0

triangle lightness t^*

% Gamut

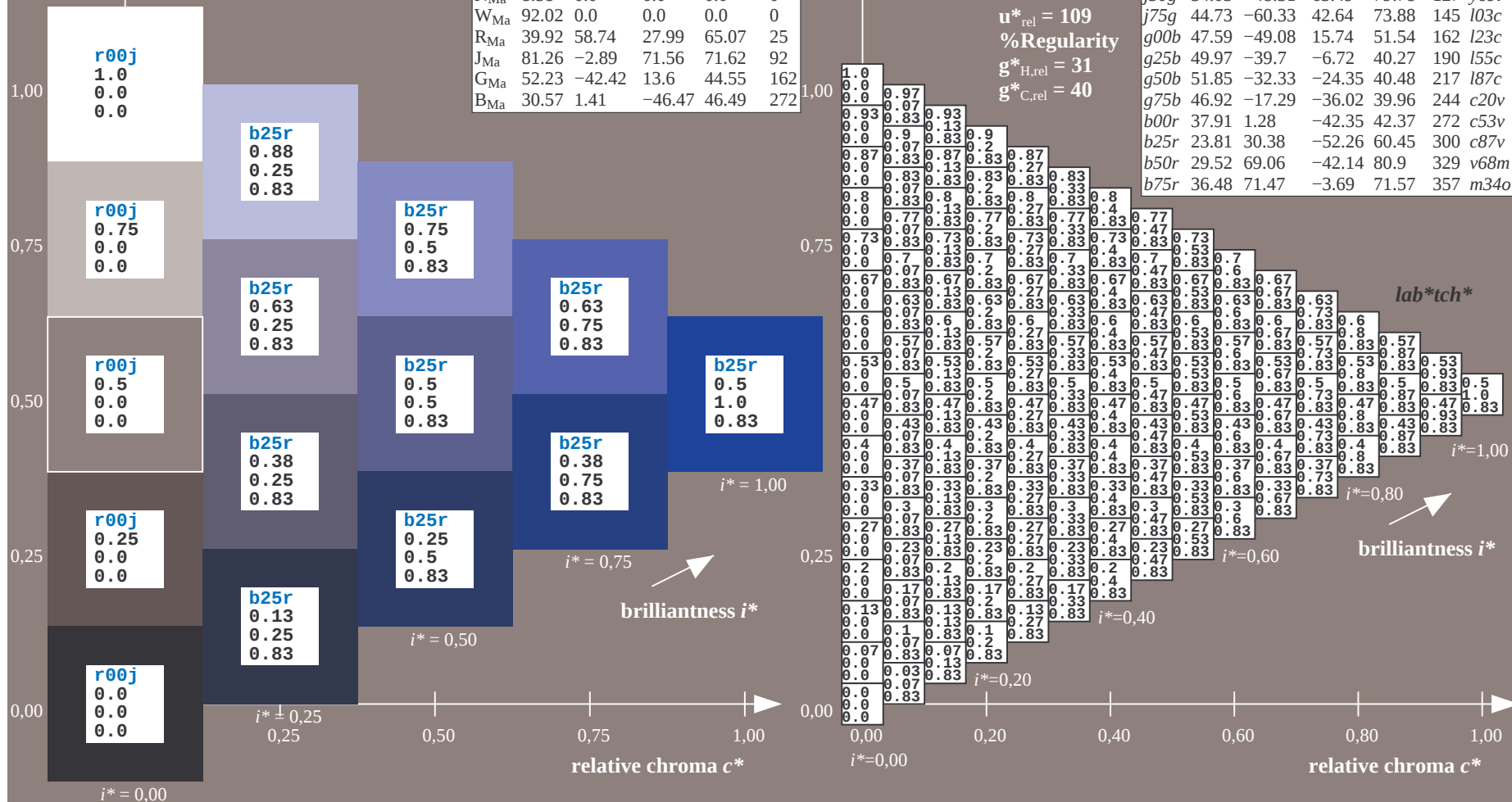
$u_{rel}^* = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.913$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

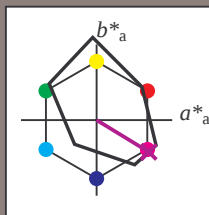
Hue texts:

$u_e^* = b50r$ $u_d^* = v68m$

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):

$LAB \cdot LAB \cdot Ma$: 30 69 -42

$LAB \cdot LCH \cdot Ma$: 30 81 328

$lab \cdot rgb \cdot Ma$: 1.0 0.0 1.0

$lab \cdot olv \cdot Ma$: 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	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	

$lab \cdot tch^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

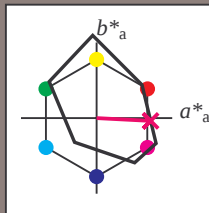
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 36 71 -4

$LAB \cdot LCH \cdot Ma$: 36 72 357

$lab \cdot rgb \cdot Ma$: 1.0 0.0 0.5

$lab \cdot olv \cdot Ma$: 1.0 0.0 0.66

triangle lightness t^*

% Gamut

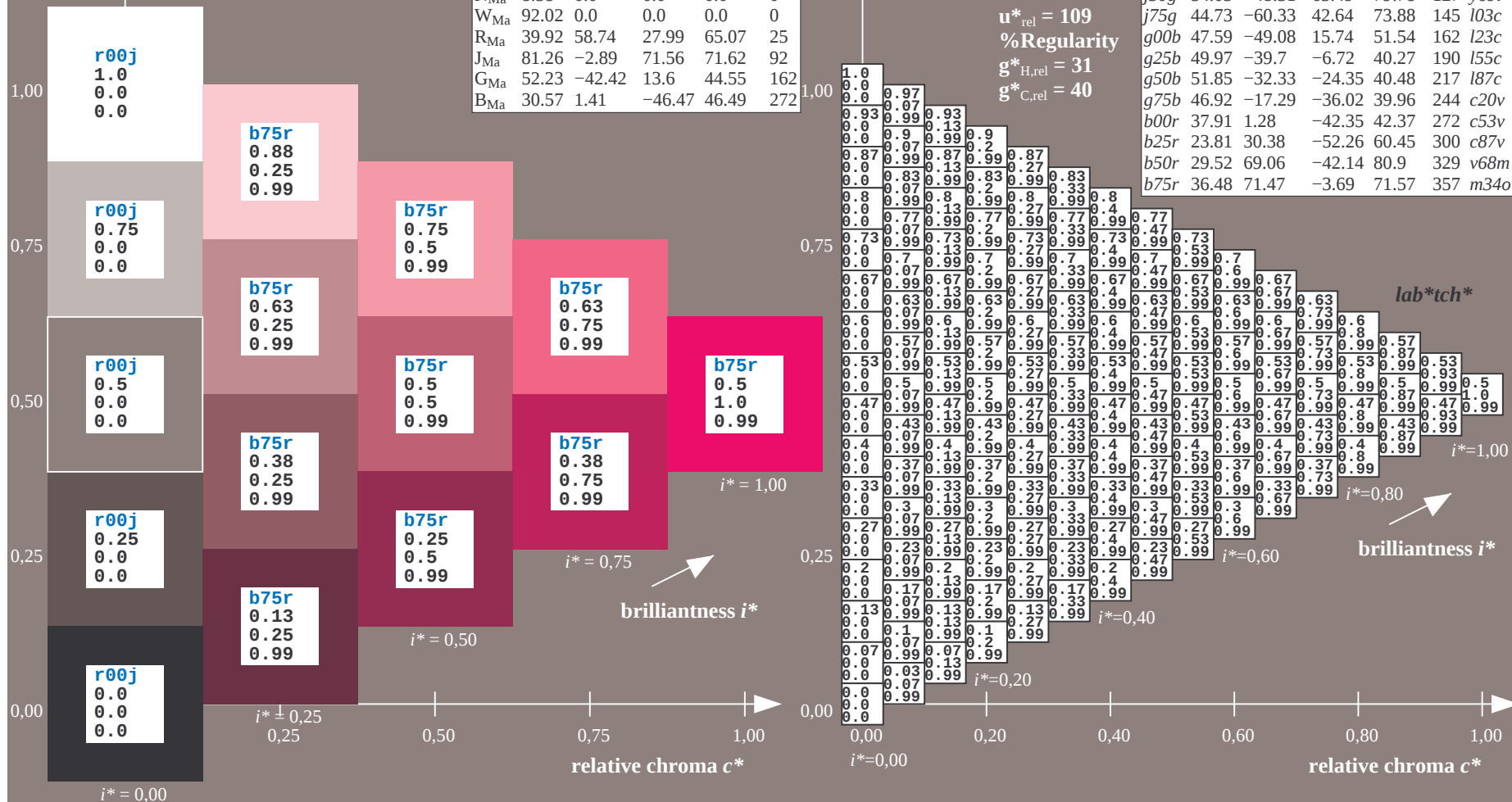
$u^*_{rel} = 109$

% Regularity

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

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

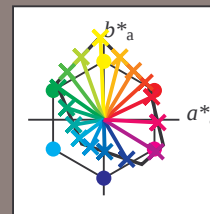
FRS09_92a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	35.47	63.32	30.17	70.15	25	m81o	
r25j	39.12	54.56	49.45	73.64	42	o10y	
r50j	50.64	39.15	64.89	75.79	59	o40y	
r75j	64.01	21.26	82.83	85.52	76	o69y	
j00g	83.18	-4.38	108.53	108.62	92	o98y	
j25g	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	



Ee360-7A, Page 126/198

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

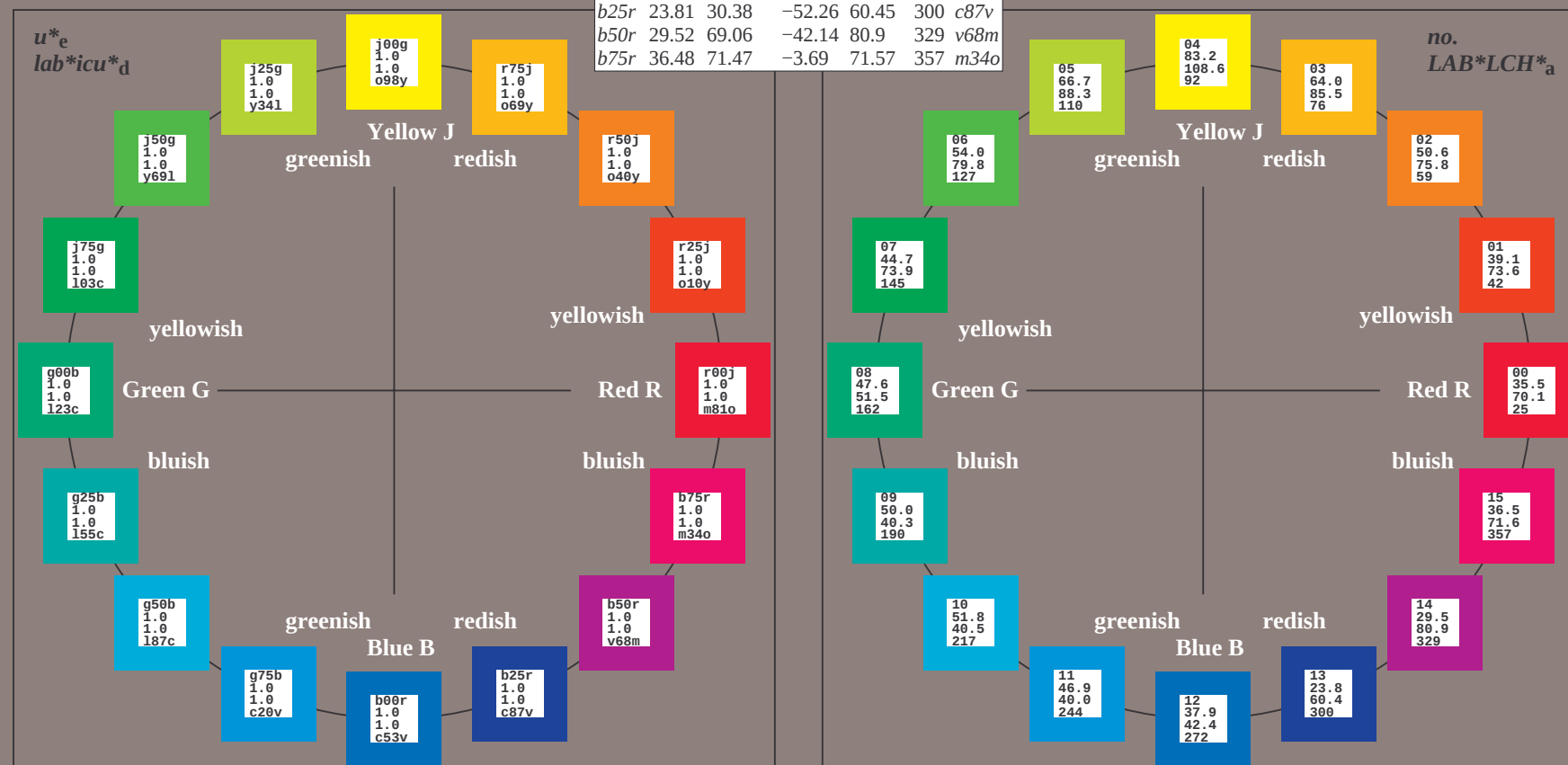
$u_{rel}^* = 109$

%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^*

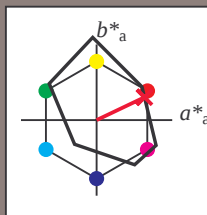
Hue texts:

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

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

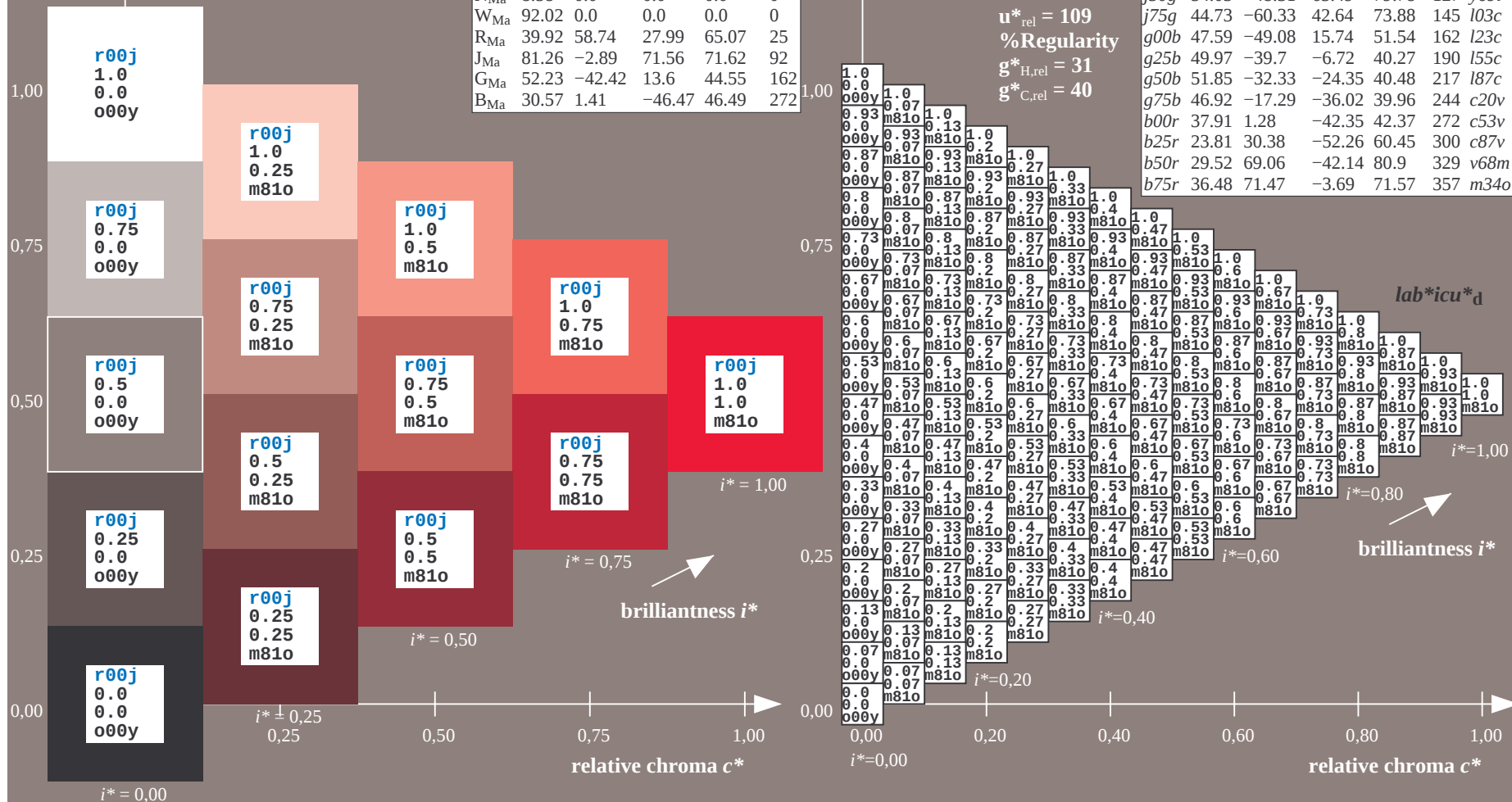
$u^*_{rel} = 109$

% 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^*

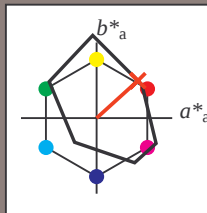
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	35.06	60.0	44.0	74.4	36	
Y _{Ma}	83.77	-5.17	109.32	109.44	93	
L _{Ma}	44.13	-62.67	48.24	79.09	142	
C _{Ma}	52.66	-29.14	-31.99	43.27	228	
V _{Ma}	14.15	50.3	-59.04	77.57	310	
M _{Ma}	37.37	78.64	-33.5	85.48	337	
N _{Ma}	8.58	0.0	0.0	0.0	0	
W _{Ma}	92.02	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	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

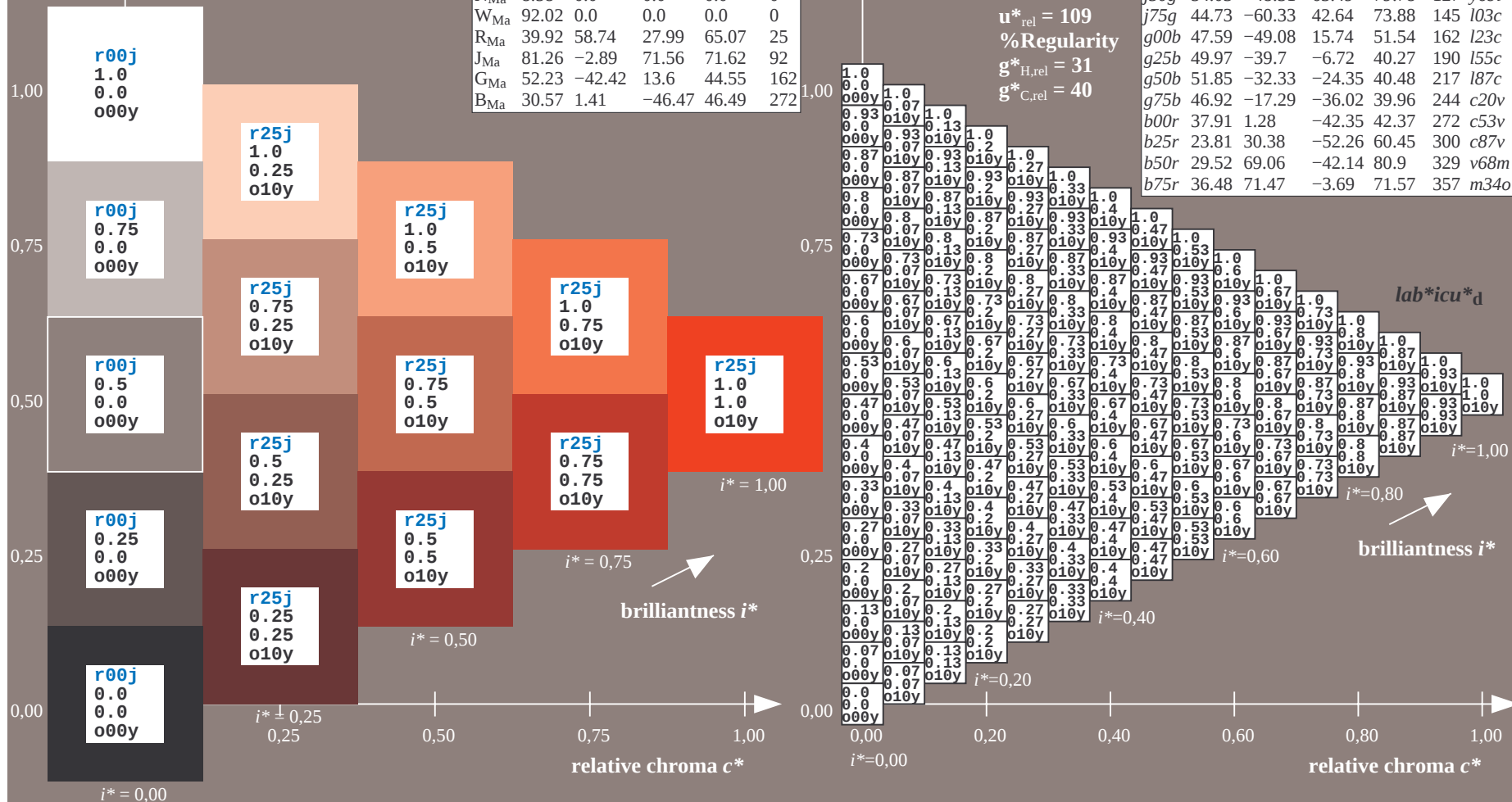
$u^*_{rel} = 109$

%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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.164$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

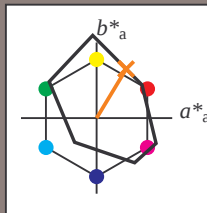
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma$: 51 39 65

$LAB \cdot LCH \cdot Ma$: 51 76 58

$lab \cdot rgb \cdot Ma$: 1.0 0.5 0.0

$lab \cdot olv \cdot Ma$: 1.0 0.4 0.0

triangle lightness t^*

% Gamut

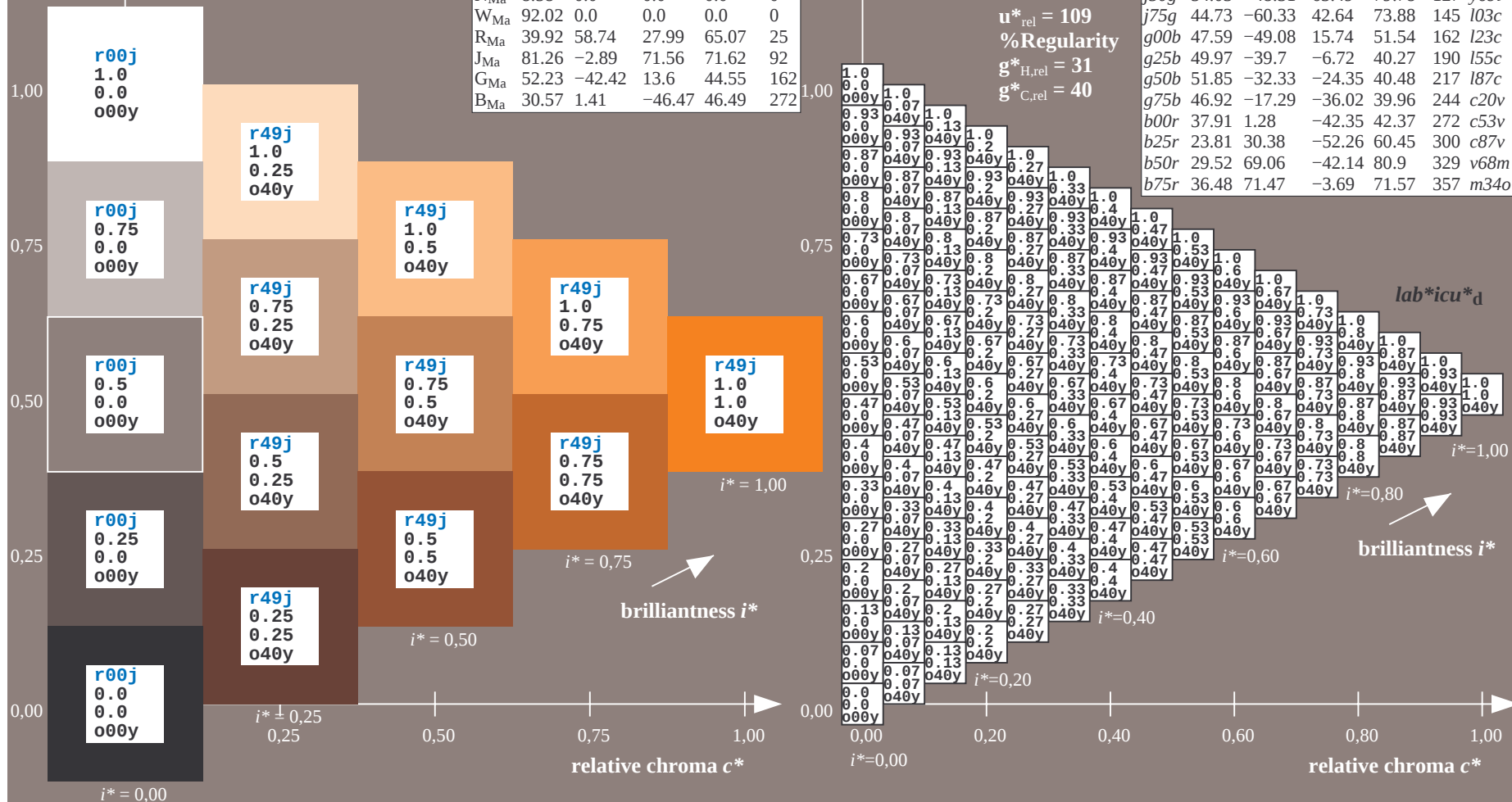
$u^*_{rel} = 109$

% 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^*

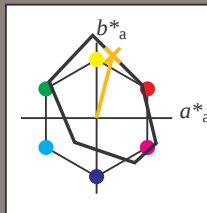
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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

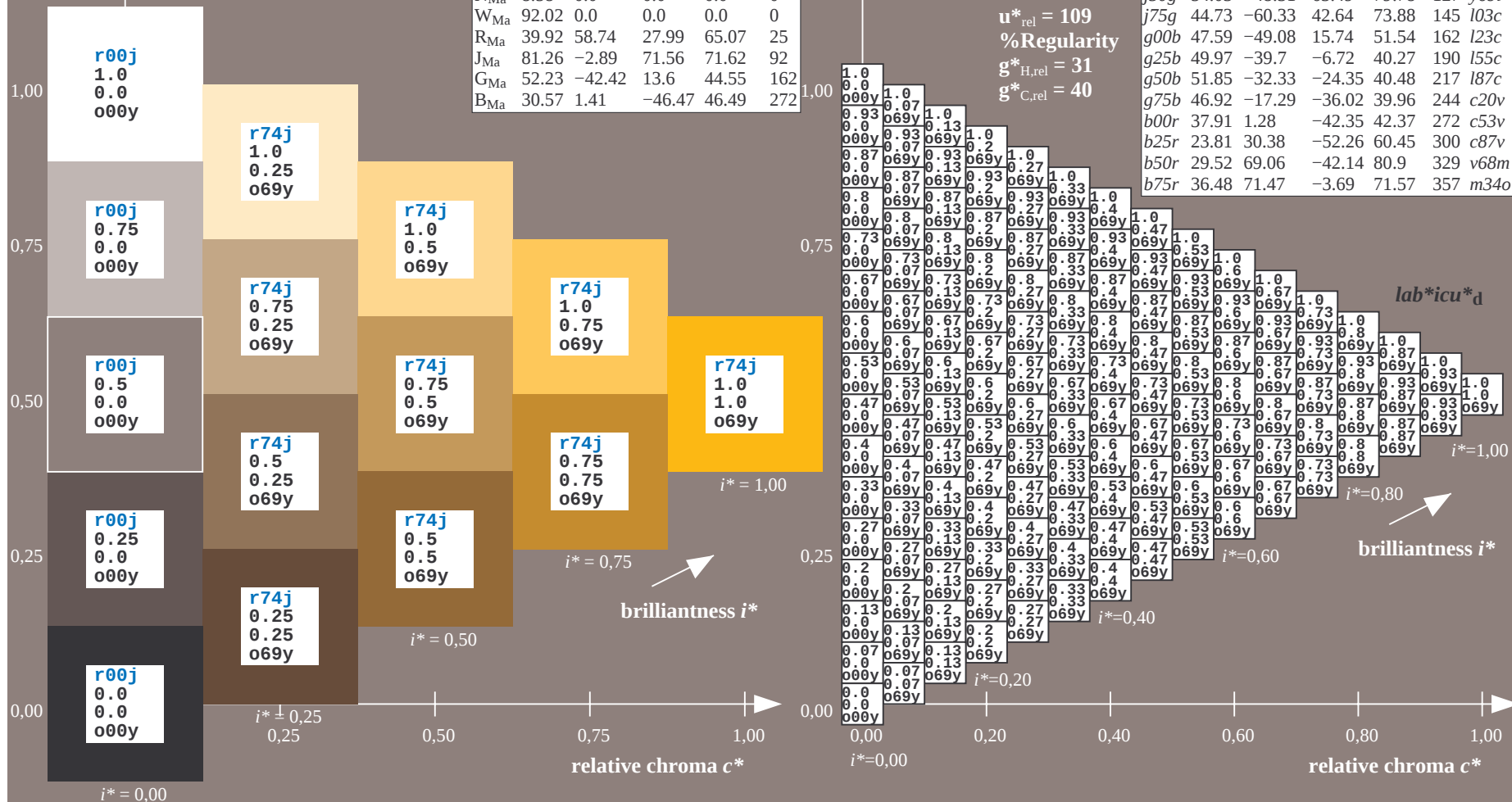
$u^*_{rel} = 109$

% 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^*

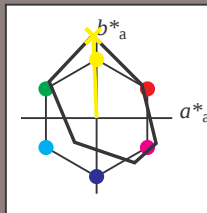
Hue texts:

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

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

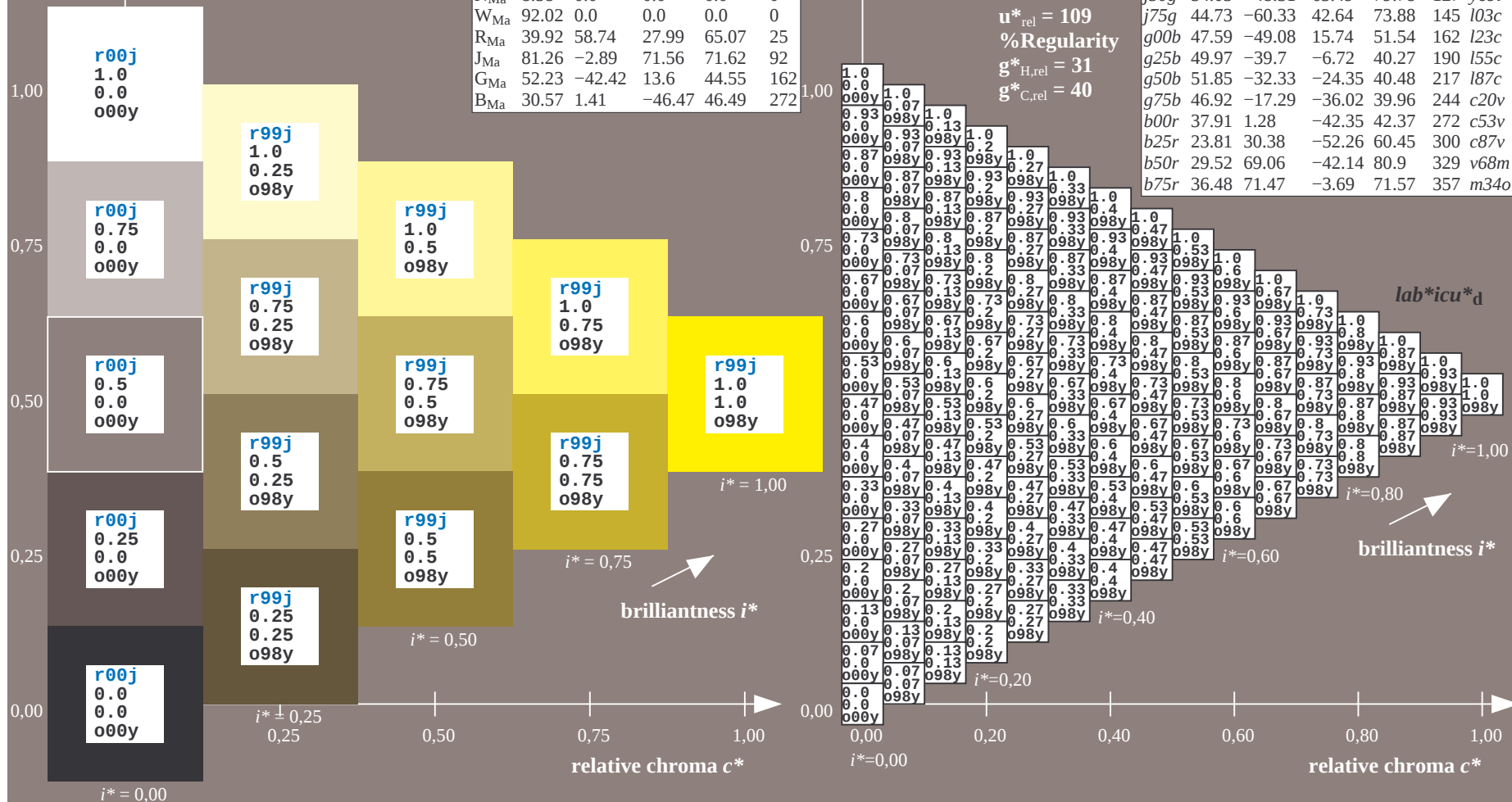
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.305$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

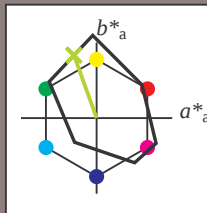
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 67 -30 83$

$LAB \cdot LCH \cdot Ma: 67 88 109$

$lab \cdot rgb \cdot Ma: 0.75 1.0 0.0$

$lab \cdot olv \cdot Ma: 0.66 1.0 0.0$

triangle lightness t^*

% Gamut

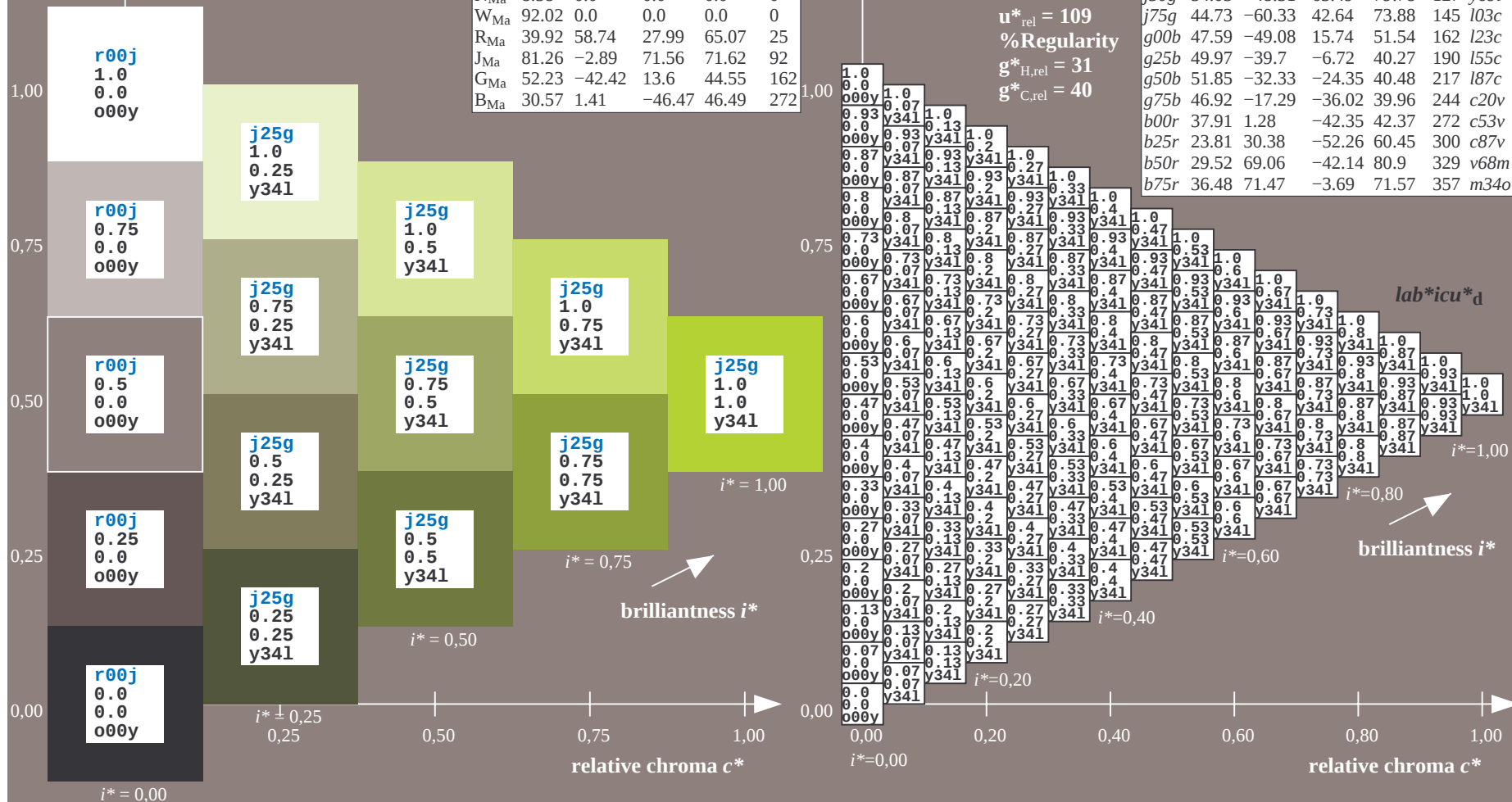
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.354$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

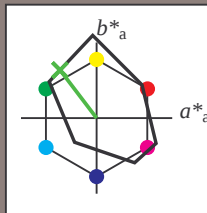
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 54 -48 63$

$LAB \cdot LCH \cdot Ma: 54 80 127$

$lab \cdot rgb \cdot Ma: 0.5 1.0 0.0$

$lab \cdot olv \cdot Ma: 0.3 1.0 0.0$

triangle lightness t^*

% Gamut

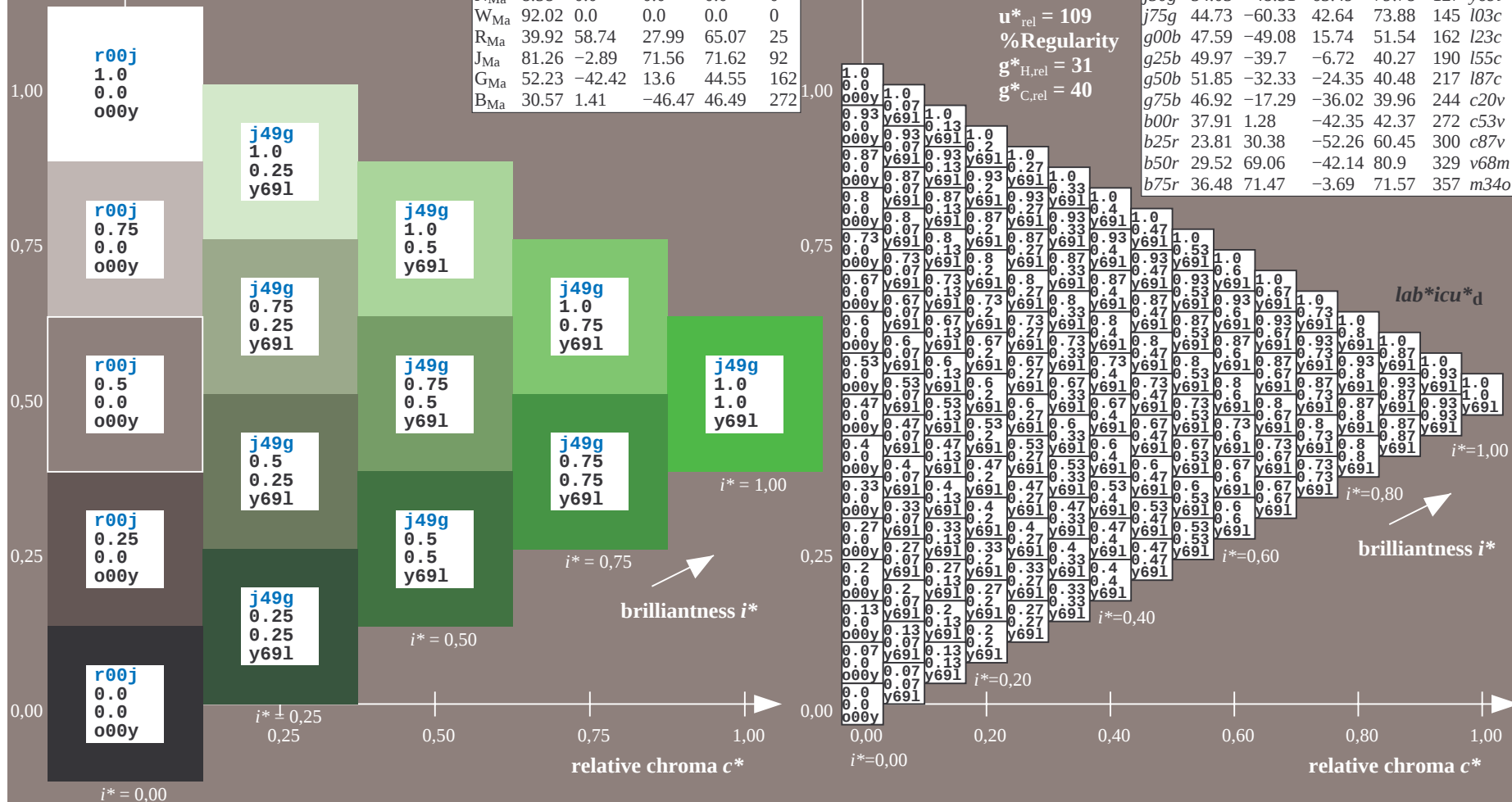
$u^*_{rel} = 109$

% 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^*

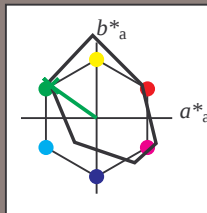
Hue texts:

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

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

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

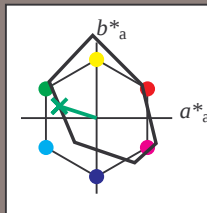
Hue texts:

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

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

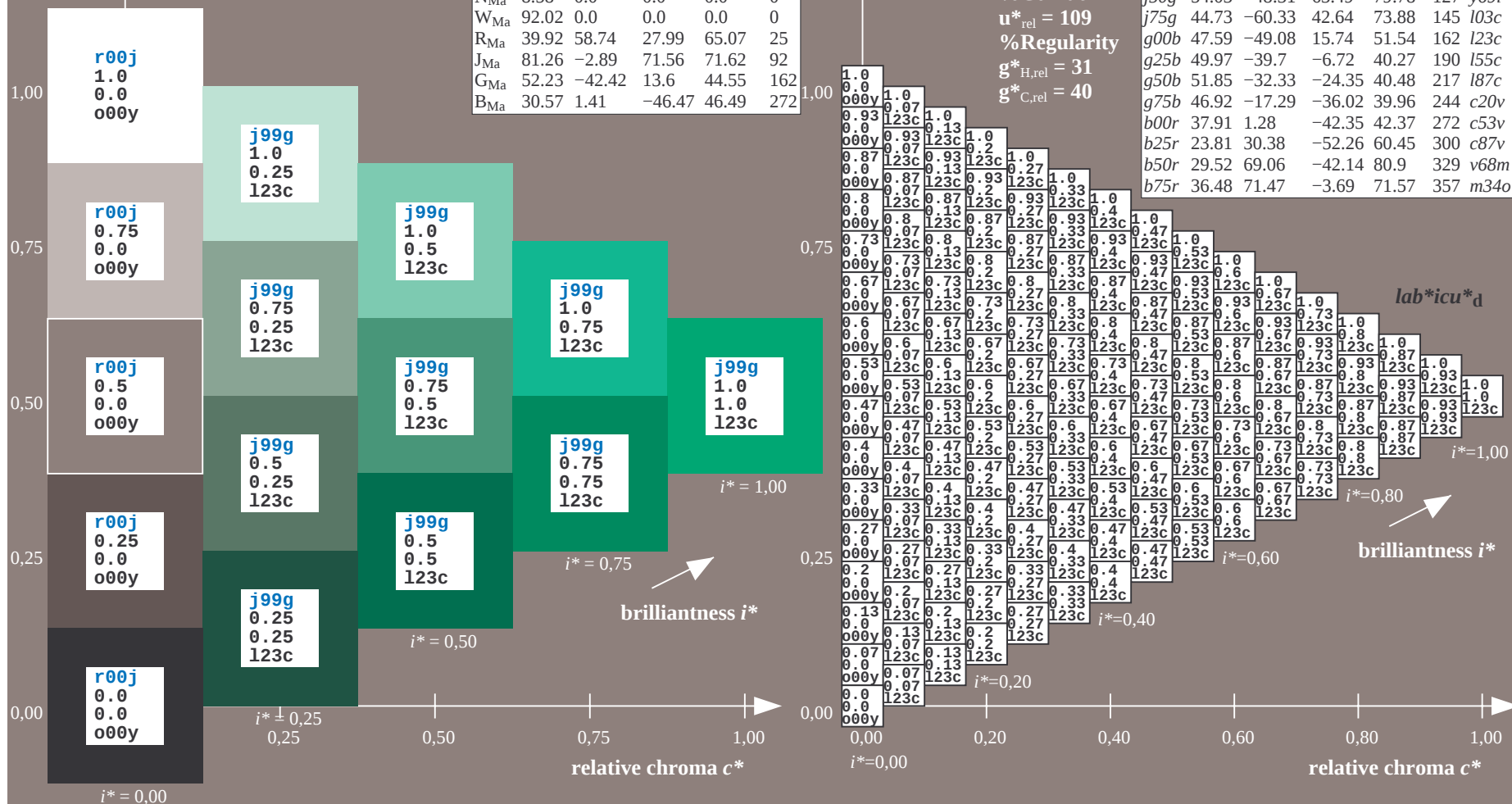
$u^*_{rel} = 109$

% 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^*

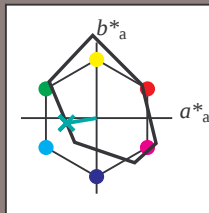
Hue texts:

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

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

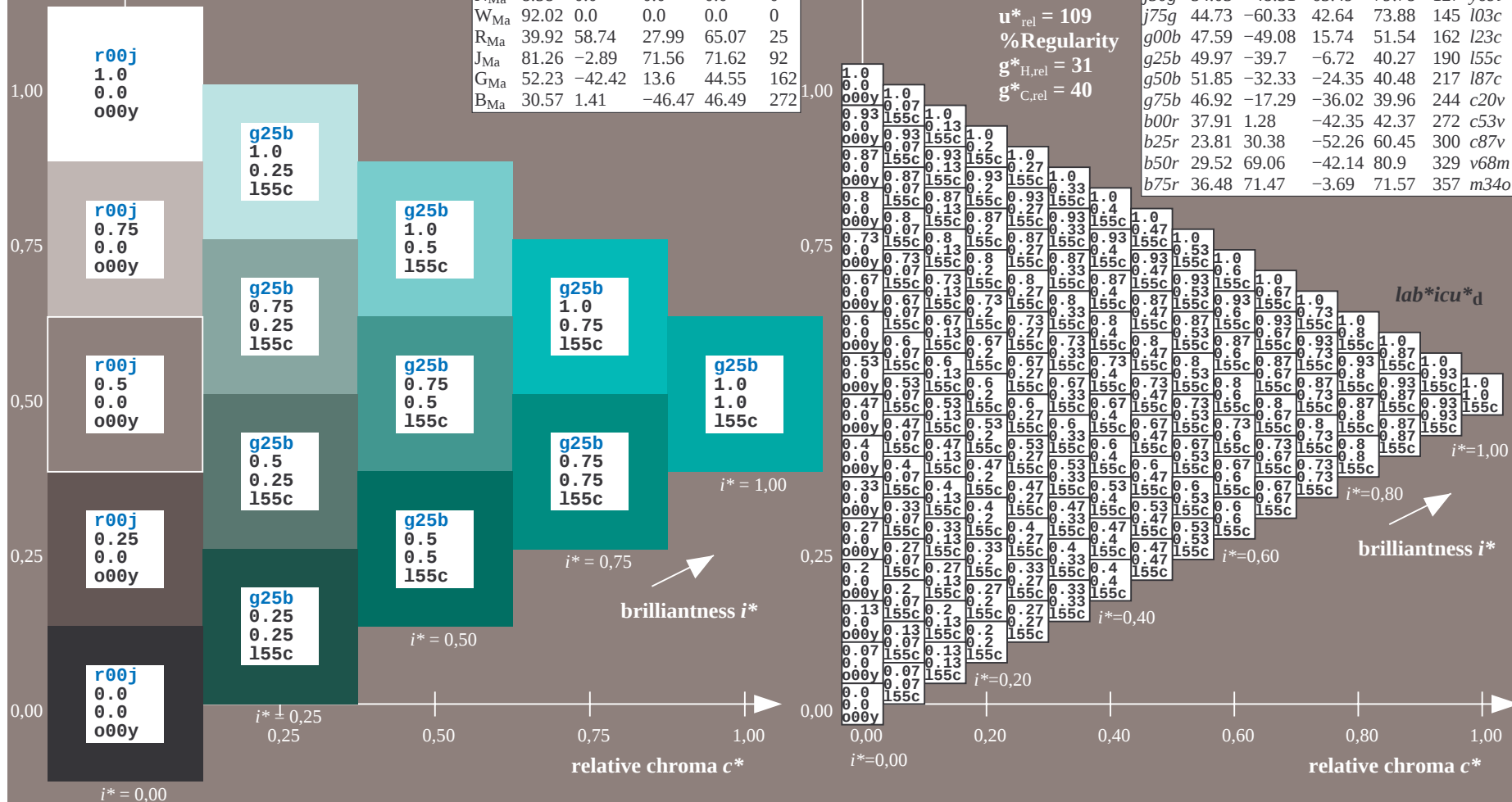
$u^*_{rel} = 109$

% 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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.603$
data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

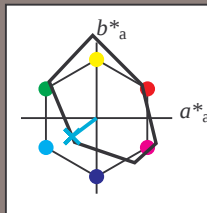
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 52 -32 -24$

$LAB \cdot LCH \cdot Ma: 52 40 216$

$lab \cdot rgb \cdot Ma: 0.0 1.0 1.0$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.87$

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	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	

$lab \cdot icu \cdot d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

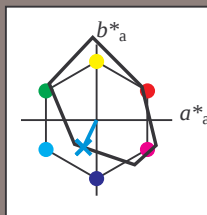
Hue texts:

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

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

$lab^*icu^*_d$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

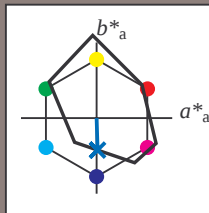
Hue texts:

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

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	

$lab^*icu^*_d$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

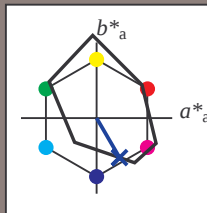
Hue texts:

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

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):

$LAB \cdot LAB \cdot Ma: 24 \ 30 \ -52$

$LAB \cdot LCH \cdot Ma: 24 \ 60 \ 300$

$lab \cdot rgb \cdot Ma: 0.5 \ 0.0 \ 1.0$

$lab \cdot olv \cdot Ma: 0.0 \ 0.12 \ 1.0$

triangle lightness t^*

% Gamut

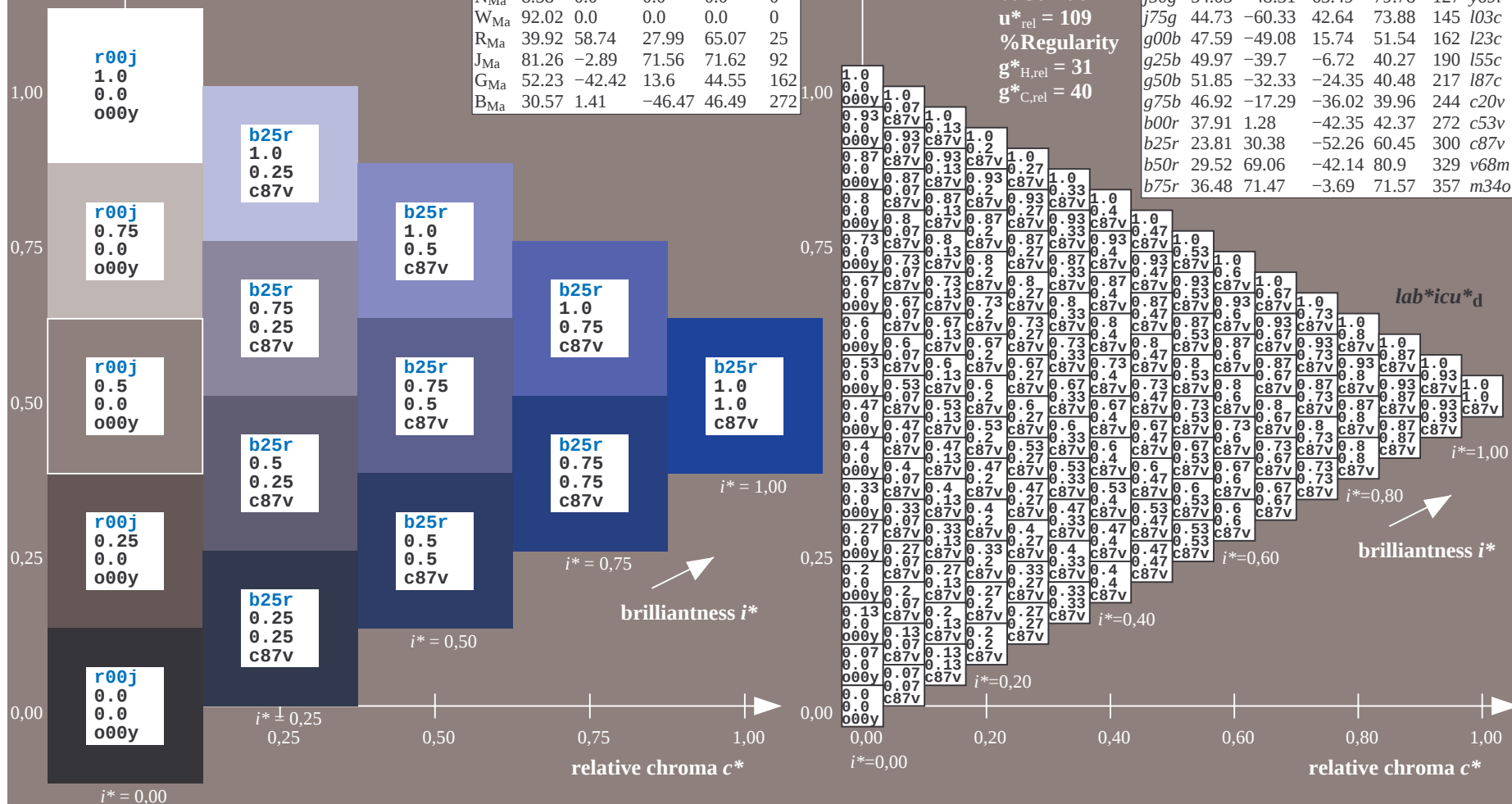
$u^*_{rel} = 109$

% 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	



$$u^*_e = b50r$$

$$lab^*icu^*_d$$

A diagram showing the hexagonal lattice of the graphite crystal structure. The lattice is represented by a network of black lines forming a honeycomb pattern. A central hexagon is highlighted with a thick black border. The vertices of this hexagon are marked with colored dots: a yellow dot at the top, a red dot at the top-right, a magenta dot at the bottom-right, a blue dot at the bottom, a cyan dot at the bottom-left, and a green dot at the top-left. A horizontal axis is labeled a^*_a and a vertical axis is labeled b^*_a .

$$u^*_e = b50r \quad u^*_d = v68m$$
$$c_R = 1.0$$
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	

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

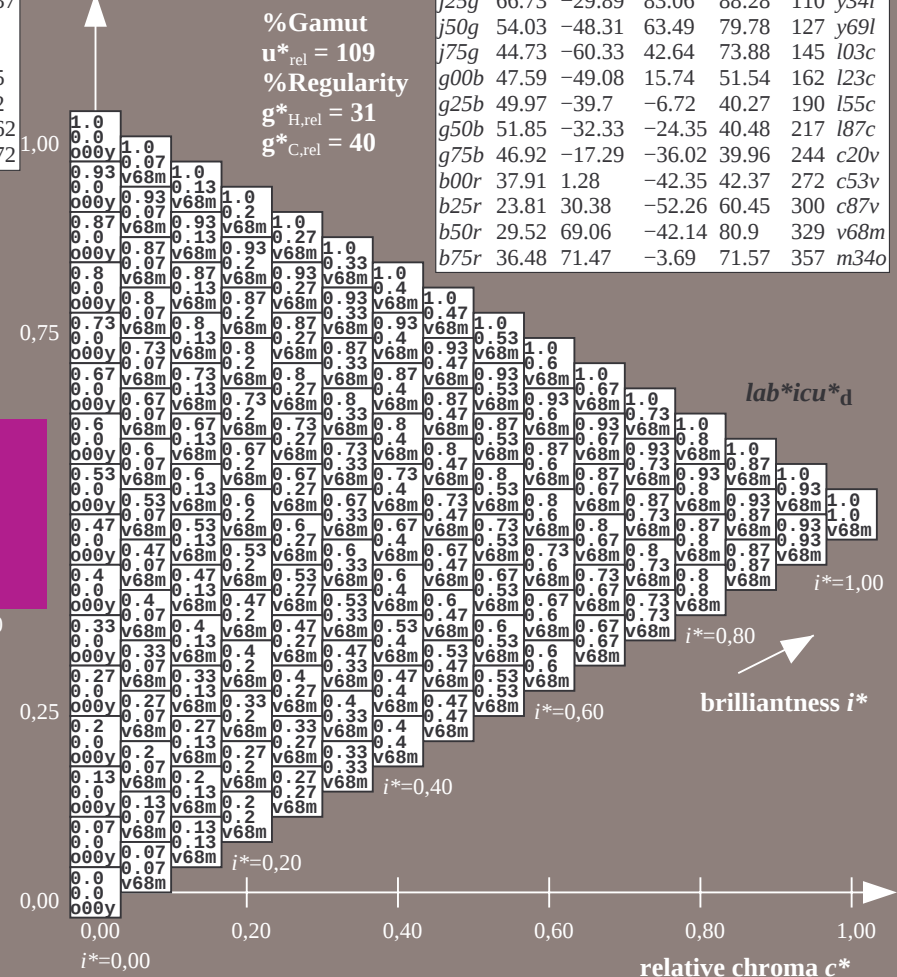
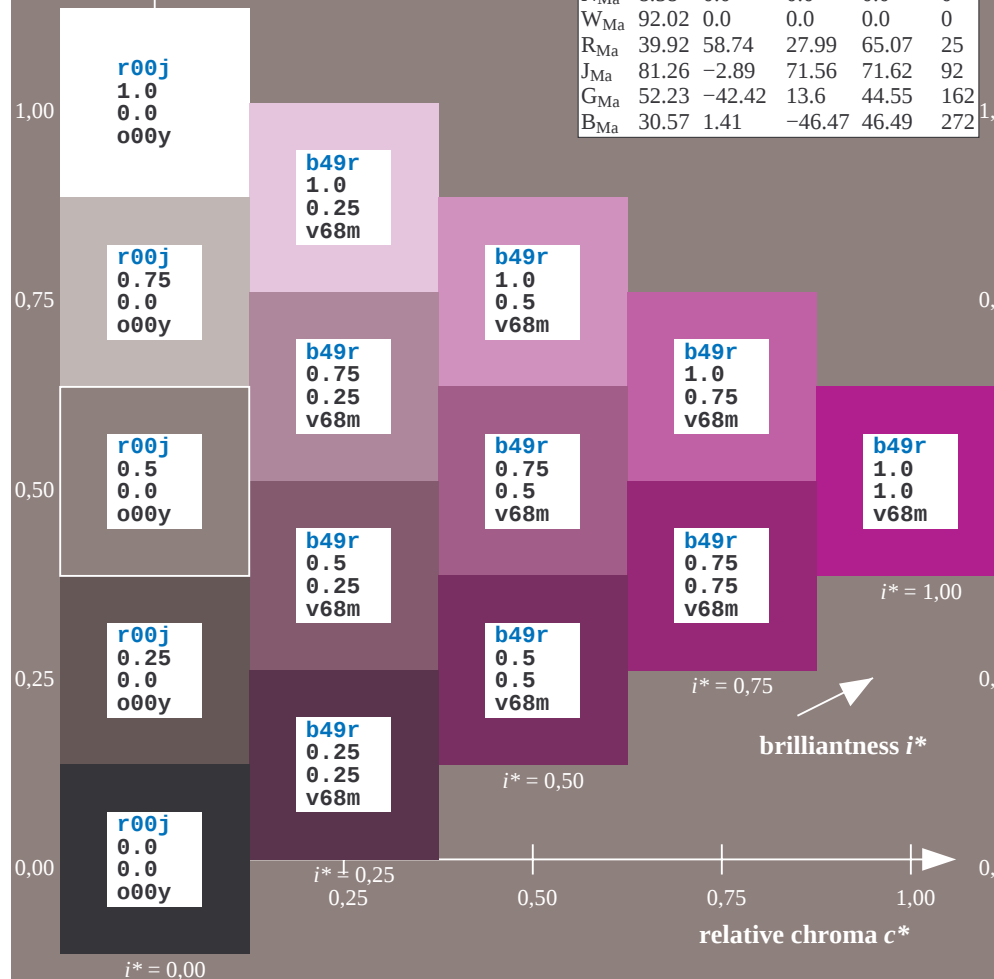
LAB*LCH*Ma: 30 81 328

lab*rgb*_Ma: 1.0 0.0 1.0

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

triangle lightness t^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

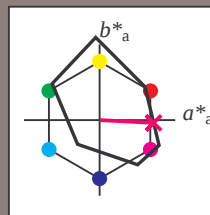
Hue texts:

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

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	

$lab^*icu^*_d$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

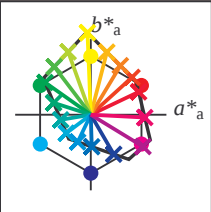
relative chroma c^*

relative chroma c^*

$i^* = 0.00$

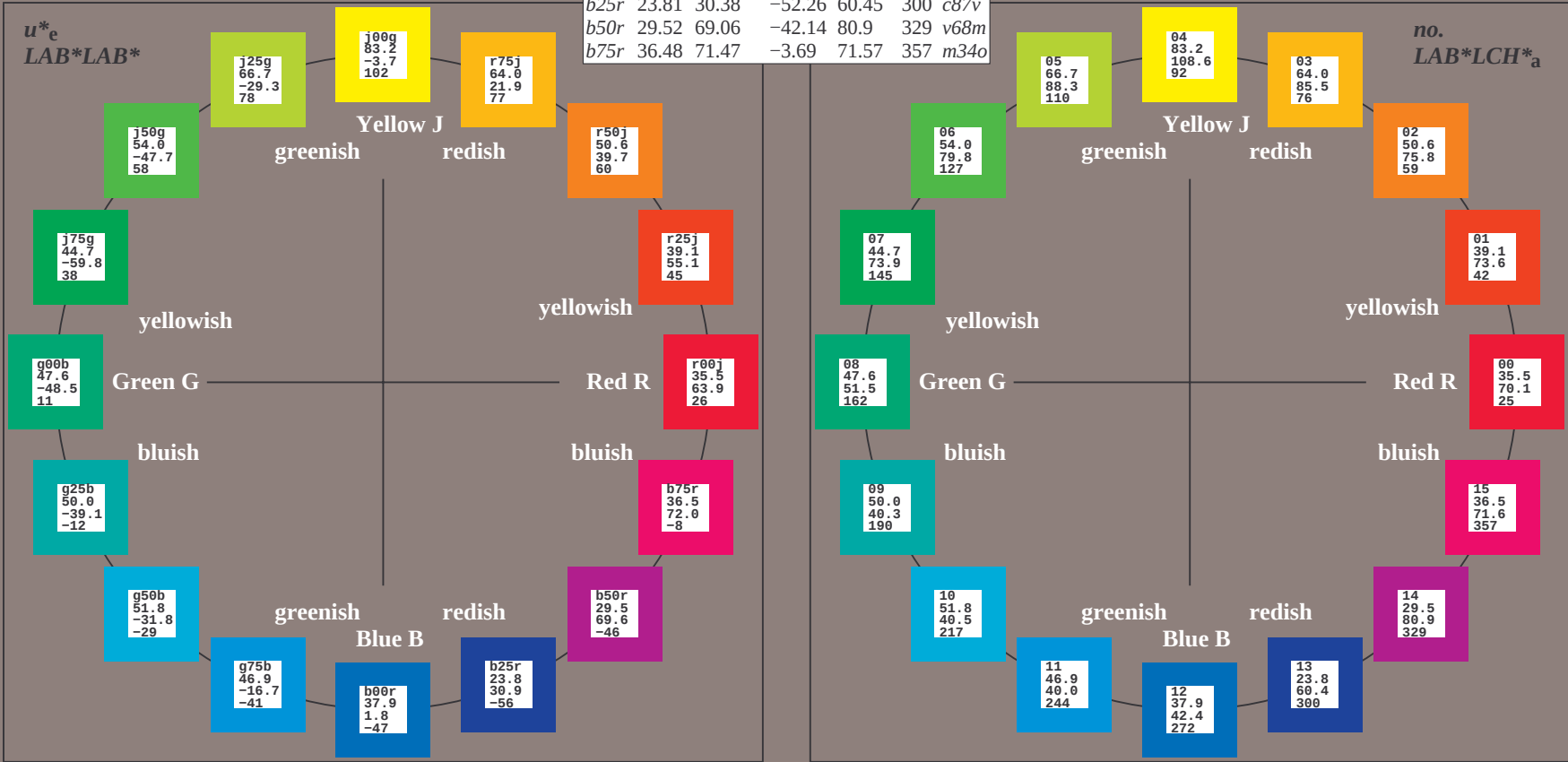
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 u_e^* and number *no.* = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues *r00j, r25j, ..., b75r*
contrast reduction factor:
 $c_R = 1.0$

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_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^*

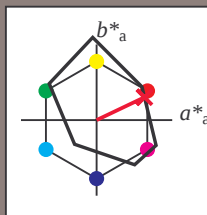
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	a^*_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):

$LAB^*LAB^*_Ma$: 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	$m34o$

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

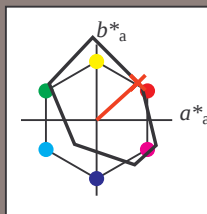
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

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^*

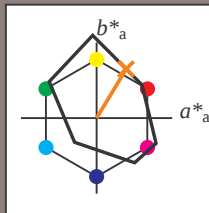
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	u^*_e	$L^*=L^*_a$	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):

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

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

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

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

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	$m34o$	

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

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^*

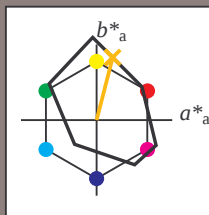
Hue texts:

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

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	$m34o$

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

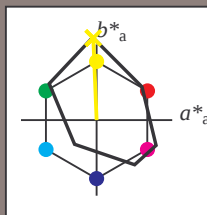
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data						
u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma: 83 -4 109$

$LAB^*LCH^*_Ma: 83 109 92$

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

$lab^*olv^*_Ma: 1.0 0.99 0.0$

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	$m34o$	

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

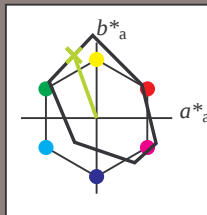
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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	$m34o$

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

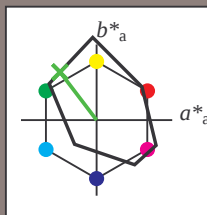
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma: 54 -48 63$

$LAB^*LCH^*_Ma: 54 80 127$

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

$lab^*olv^*_Ma: 0.3 1.0 0.0$

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^*LAB^*

$i^*=1.00$

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^*

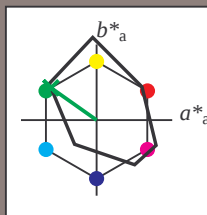
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; 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):

$LAB^*LAB^*_Ma: 45 -60 43$

$LAB^*LCH^*_Ma: 45 74 144$

$lab^*rgb^*_Ma: 0.25 1.0 0.0$

$lab^*olv^*_Ma: 0.0 1.0 0.03$

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	$l03c$
$g00b$	47.59	-49.08	15.74	51.54	162	$l23c$
$g25b$	49.97	-39.7	-6.72	40.27	190	$l55c$
$g50b$	51.85	-32.33	-24.35	40.48	217	$l87c$
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$
$b25r$	23.81	30.38	-52.26	60.45	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^*

$i^*=1,00$

brilliantness i^*

$i^*=0,80$

$i^*=0,60$

$i^*=0,40$

$i^*=0,20$

$i^*=0,00$

relative chroma c^*

relative chroma c^*

$i^* = 0,00$

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^*

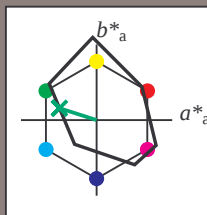
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma: 48 -49 16$

$LAB^*LCH^*_Ma: 48 52 162$

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

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

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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

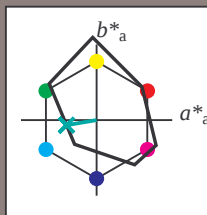
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_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):

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

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

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

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

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	$o10v$
$r50j$	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	$m34o$

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$

$i^* = 0.50$

$i^* = 0.75$

$i^* = 1.00$

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^*

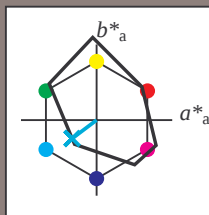
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	a^*_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):

$LAB^*LAB^*_Ma: 52 -32 -24$

$LAB^*LCH^*_Ma: 52 40 216$

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

$lab^*olv^*_Ma: 0.0 1.0 0.87$

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	$i87c$
$g75b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$

0.50

0.75

1.00

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^*

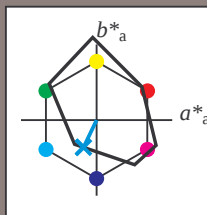
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

	u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma: 47 -17 -36$

$LAB^*LCH^*_Ma: 47 40 244$

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

$lab^*olv^*_Ma: 0.0 0.8 1.0$

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	$m34o$

LAB^*LAB^*

$i^*=1.00$

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^*

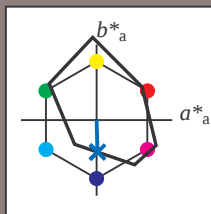
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; 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):

$LAB^*LAB^*_Ma: 38 \ 1 \ -42$

$LAB^*LCH^*_Ma: 38 \ 42 \ 271$

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

$lab^*olv^*_Ma: 0.0 \ 0.47 \ 1.0$

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	$m34o$

$u^*_e = b00r$

LAB^*LAB^*

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*ch^* and lab^*icu^*

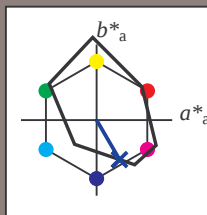
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma$: 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^*LAB^*

LAB^*LAB^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

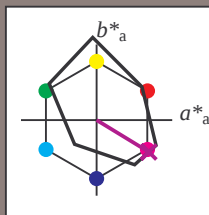
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_Ma: 30 \ 69 \ -42$

$LAB^*LCH^*_Ma: 30 \ 81 \ 328$

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

$lab^*olv^*_Ma: 0.69 \ 0.0 \ 1.0$

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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

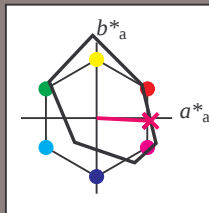
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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	$m34o$

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

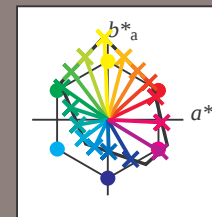
relative chroma c^*

$i^* = 0.00$

	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	11.9	18.0	21.6	26.0	30.4	34.8	39.3	43.7	48.2	15.2	20.1	27.4	30.5	34.7	39.0	43.4	47.8	52.2	92.0	84.9	77.8	70.7	63.5	56.4	49.3	42.2	35.1	8.6	8.6	8.6	8.6		
02	9.5	-7.4	-15.2	-23.0	-30.8	-38.6	-46.5	-54.3	-62.1	8.0	-0.2	-9.1	-17.1	-24.9	-32.8	-40.6	-48.4	-56.2	15.5	8.9	-0.8	-10.5	-18.7	-26.7	-34.6	-42.5	-50.3	8.2	15.7	23.1	30.6	38.1	45.6	53.1	60.5	67.9	75.3	82.7	90.1			
03	14.1	18.8	23.5	28.2	32.7	37.3	41.8	46.3	50.8	12.2	19.0	23.5	27.9	32.3	36.8	41.2	45.7	50.1	15.5	22.3	28.4	32.1	36.4	40.8	45.3	49.7	54.2	87.1	81.6	74.5	67.4	60.2	53.1	46.0	38.9	31.7	24.6	17.5	10.4			
04	-6.8	-3.2	-9.8	-16.6	-23.7	-31.0	-38.4	-45.9	-53.4	10.3	0.5	-7.3	-15.2	-23.0	-30.8	-38.6	-46.4	-54.3	17.6	8.0	-0.1	-17.1	-24.9	-32.7	-40.6	-48.4	-56.2	10.7	15.6	23.1	30.6	38.1	45.6	53.0	60.5	67.9	75.3	82.7	90.1			
05	-11	-8	-5	-1	3	8	12	17	23	-8	-5	-2	-8	-14	-20	-26	-31	-37	-2	10	14	20	26	32	38	43	-10	-6	9	11	17	23	29	34	-4	-4	-4	-4	-4	-4		
06	10.0	16.2	19.6	24.4	29.1	33.8	38.5	43.1	47.8	12.7	19.7	24.5	29.3	34.0	38.6	43.2	47.7	52.3	15.8	22.6	29.4	33.9	38.3	42.8	47.2	51.7	56.1	82.2	76.7	71.2	64.0	56.9	49.8	42.7	35.6	28.4	21.4	14.3	7.2			
07	13.0	9.3	-6.8	-13.4	-20.0	-26.7	-33.6	-40.7	-47.8	16.4	6.8	-3.1	-9.7	-16.6	-23.7	-30.8	-38.2	-45.8	20.1	10.3	0.5	-7.3	-15.1	-22.9	-30.8	-38.6	-46.4	-54.2	6.6	-3.0	0.6	8.1	15.6	23.1	30.6	38.0	45.5	52.9	60.4	67.9		
08	-18	-14	-12	-9	-6	-3	1	5	9	-15	-11	-8	-5	-2	3	7	12	17	-12	-8	4	2	8	13	19	25	31	-14	-10	-6	9	12	17	23	29	34	-4	-4	-4	-4	-4	-4
09	-17	17.9	21.7	25.1	29.8	34.4	39.4	44.1	48.8	13.4	20.4	26.6	30.0	34.8	39.5	44.2	48.9	53.6	16.3	23.2	30.1	34.9	39.7	44.4	49.0	53.6	58.2	77.3	71.7	66.2	60.7	53.6	46.5	39.4	32.3	25.1	18.0	10.9	3.9			
10	19.3	4.4	-3.3	-10.4	-17.1	-23.6	-30.2	-36.9	-43.2	8.2	13.1	0.3	-6.8	-13.4	-20.0	-26.7	-33.6	-40.6	26.2	16.4	6.8	-3.1	-9.7	-16.5	-23.6	-30.9	-38.3	-45.7	-53.0	-60.3	-67.6	-74.9	-82.2	-89.5	-96.8	-104.1	-111.4	-118.7	-126.0			
11	-26	-21	-18	-16	-13	-10	-7	-4	0	-23	-19	-14	-12	-9	-6	-3	1	5	-20	-16	-12	-8	-5	-2	7	12	-18	-14	-10	-6	9	12	18	24	-5	-5	-5	-5	-5	-5		
12	11.4	19.4	23.7	27.1	30.6	35.3	40.1	44.9	49.6	14.1	21.1	28.4	32.1	35.5	40.3	45.1	49.8	54.5	16.9	23.8	30.6	37.0	40.5	45.2	50.0	54.7	59.4	72.3	66.8	61.3	55.8	50.3	43.2	36.1	28.9	21.8	14.7	7.6	0.5			
13	25.6	9.1	0.2	-6.8	-14.0	-20.8	-27.3	-33.8	-40.4	29.0	19.4	4.4	-3.1	-10.4	-17.1	-23.6	-30.2	-36.9	32.4	23.7	13.1	0.4	-6.7	-13.4	-20.0	-26.7	-33.6	-40.6	-47.9	-55.2	-62.5	-69.8	-77.1	-84.4	-91.7	-99.0	-106.3	-113.6	-120.9			
14	-33	-28	-25	-23	-20	-17	-14	-11	-9	-30	-26	-21	-19	-16	-13	-11	-8	-4	-27	-23	-19	-15	-13	-10	-7	-3	0	-22	-18	-13	-9	-5	1	7	12	18	-5	-5	-5	-5		
15	12.1	20.7	25.6	29.3	32.6	36.1	40.8	45.6	50.4	14.8	21.8	29.8	34.2	37.5	41.0	45.8	50.6	55.3	17.6	24.5	31.5	38.8	42.5	46.0	50.7	55.5	60.2	67.4	61.9	56.4	50.9	45.4	39.9	32.8	25.6	18.5	11.4	4.3	0.2			
16	31.9	14.1	4.0	-3.5	-10.3	-17.7	-24.4	-31.0	-37.5	35.3	25.6	9.1	0.2	-6.8	-14.0	-20.8	-27.3	-33.8	38.6	29.0	19.4	4.4	-3.2	-10.4	-17.0	-23.5	-30.1	-36.7	-43.2	-49.7	-56.2	-62.7	-69.2	-75.7	-82.2	-88.7	-95.2	-101.7	-108.2			
17	-40	-35	-31	-29	-27	-24	-21	-18	-16	-37	-33	-28	-25	-23	-21	-17	-15	-12	-35	-30	-26	-22	-19	-17	-14	-11	-8	-26	-21	-17	-13	-9	-5	1	7	13	-5	-5	-5	-5		
18	12.8	21.8	27.3	31.3	34.7	38.0	41.6	46.3	51.1	15.5	22.5	31.1	36.0	39.7	43.0	46.6	51.3	56.0	18.2	25.2	32.2	40.2	44.6	48.0	51.5	56.2	61.0	62.5	57.0	51.5	46.0	40.5	34.9	29.4	22.3	15.2	7.2	71.2	71.2	71.2		
19	38.2	19.5	8.3	-1.3	-9.0	-16.3	-23.3	-30.3	-37.3	34.1	24.1	14.2	1.1	-3.5	-10.3	-17.6	-24.4	-30.9	34.4	25.3	15.3	25.7	9.1	0.2	-6.8	-14.0	-20.7	-27.2	-33.7	-40.2	-46.7	-53.2	-59.7	-66.2	-72.7	-79.2	-85.7	-92.2	-98.7			
20	-48	-42	-38	-35	-33	-31	-29	-25	-22	-45	-41	-35	-32	-29	-27	-25	-21	-19	-42	-38	-34	-28	-26	-23	-21	-18	-15	-29	-25	-21	-17	-13	-9	-4	2	8	-6	-6	-6			
21	13.5	22.9	28.8	33.2	36.8	40.2	43.5	47.1	51.8	16.2	23.2	32.3	37.1	41.7	45.2	48.5	52.1	56.8	18.9	25.9	32.9	41.5	46.5	50.1	53.4	57.0	61.7	57.6	52.1	46.6	41.0	35.5	30.0	24.5	19.0	11.9	81.6	81.6	81.6			
22	44.5	25.1	12.8	3.8	-3.7	-10.6	-17.4	-24.9	-31.7	34.8	24.8	19.5	8.3	0.0	-7.0	-13.9	-21.3	-28.1	15.1	24.2	32.0	40.2	44.2	48.0	51.8	55.6	59.4	63.2	67.0	70.8	74.6	78.4	82.2	86.0	89.8	93.6	97.4	101.2	105.0			
23	-45	-49	-45	-42	-40	-37	-35	-33	-29	-52	-48	-42	-39	-36	-34	-31	-29	-26	-49	-45	-41	-35	-32	-28	-25	-21	-16	-12	-8	-4	0	6	12	18	-4	-4	-4	-4				
24	14.2	23.9	30.2	36.5	42.3	45.6	49.0	52.7	56.9	16.9	23.9	33.3	38.2	43.6	47.3	50.6	53.9	57.6	19.6	26.6	33.6	42.7	48.1	52.2	55.6	59.3	62.9	66.5	70.1	73.7	77.3	80.9	84.5	88.1	91.7	95.3	98.9	102.5				
25	50.8	30.8	17.7	7.9	0.1	-7.3	-14.1	-21.0	-28.8	65.4	14.4	5.5	12.9	3.8	-3.7	-10.5	-17.4	-24.9	57.5	49.7	38.3	19.6	3.3	0.1	-7.0	-13.8	-21.2	-28.6	-36.0	-43.4	-50.8	-58.2	-65.6	-73.0	-80.4	-87.8	-95.2	-102.6	-110.0			
26	-63	-56	-52	-49	-46	-44	-42	-39	-37	-60	-58	-49	-45	-42	-40	-37	-36	-33	-57	-53	-49	-43	-39	-36	-34	-32	-29	-27	-24	-20	-16	-12	-8	-3	7	-6	-6	-6	-6			
27	18.5	23.3	28.8	36.8	39.6	43.5	47.7	52.0	56.4	21.8	26.6	31.7	37.7	46.2	48.8	52.5	56.5	60.8	21.9	29.9	34.8	40.3	46.8	55.6	58.1	61.6	65.5	92.0	91.0	90.0	88.9	87.9	86.9	85.8	84.8	83.8	8.6	8.6	8.6			
28	23.0	16.5	9.3	-1.4	-11.5	-20.1	-28.3	-36.4	-44.3	30.5	24.1	17.3	9.3	-2.0	-12.4	-21.4	-29.7	-37.8	35.0	24.6	15.0	17.8	9.1	-2.6	-11.3	-22.5	-31.0	-39.7	-48.4	-57.1	-65.8	-74.5	-83.2	-91.9	-100.6	-109.3	-118.0	-126.7				
29	13.8	19.6	26.7	31.4	41.0	45.1	51.6	56.2	62.1	18.2	24.3	31.9	39.0	45.3	51.6	58.3	63.9	69.2	24.9	30.6	36.4	42.3	48.1	53.9	59.7	65.5	71.3	77.1	82.9	88.7	94.5	100.3	106.1	111.9	117.7	123.5	129.3	135.1				
30	18.9	25.6	30.6	37.8	41.0	45.1	49.4	53.8	58.2	22.1	28.9	33.8	39.2	47.2	50.1	54.0	58.1	62.5	25.4	32.3	37.1	42.1	48.1	56.6	59.3	62.9	67.0	82.3	81.6	80.6	79.5	78.5	77.5	76.4	75.4	74.4	14.1	14.1	14.1			
31	25.2	15.5	8.9	-0.8	-10.4	-18.7	-26.7	-34.6	-42.5	32.7	23.0	16.6	9.3	-1.4	-11.5	-20.1	-28.3	-36.4	30.5	24.1	17.4	9.3	-2.0	-12.4	-21.3	-29.8	-38.7	-47.6	-56.5	-65.4	-74.3	-83.2	-92.1	-101.0	-109.9	-118.8	-127.7	-136.6				
32	29.3	17.7	8.0	-4.1	-9.1	-17.0	-24.9	-32.7	-40.5	34.8	25.2	15.5	8.0	-0.7	-10.4	-18.7	-26.7	-34.6	32.4	23.0	16.6	9.3	-1.3	-11.5	-20.1	-28.3	-36.4	-44.5	-52.6	-60.7	-68.8	-76.9	-85.0	-93.1	-101.2	-109.3	-117.4	-125.5				
33	-5	-2	1	9	9	20	25	31	37	0	3	7	13	22	26	32	38	43	5	8	12	18	25	36	39	44	50	-21	-13	-6	8	22	35	49	63	77	-4	-4	-4	-4		
34	19.4	26.2	33.0	39.9	44.3	48.8	53.2	57.6	62.1	22.6	29.5	36.3	43.2	49.3	52.9	57.3	61.7	66.1	25.9	32.8	39.6	46.5	51.4	58.7	61.8	66.0	70.3	62.8	62.1	61.4	60.7	59.7	58.7	57.6	56.6	55.6	25.3	25.3	25.3			
35	30.0	20.2	10.4	0.5	-7.3	-15.1	-22.9	-30.7	-38.6	37.1	27.4	17.7	8.1	-0.1	-9.1	-17.0	-24.9	-32.7	44.5	34.9	25.3	15.6	9.0	-0.7	-10.4	-18.7	-26.7	-34.6	-42.5	-50.4	-58.3	-66.2	-74.1	-82.0	-89.9	-97.8	-105.7	-113.6				
36	19.8	26.7	33.6	40.6	45.4	50.1	54.8	59.5	64.0	23.0	29.8	36.6	43.5	50.3	54.7	59.2	63.6	68.1	26.2	33.1	39.9	46.8	53.6	59.7	63.3	67.7	72.1	53.1	52.4	51.7	51.0	50.3	49.3	48.2	47.2	46.2	30.8	30.8	30.8			

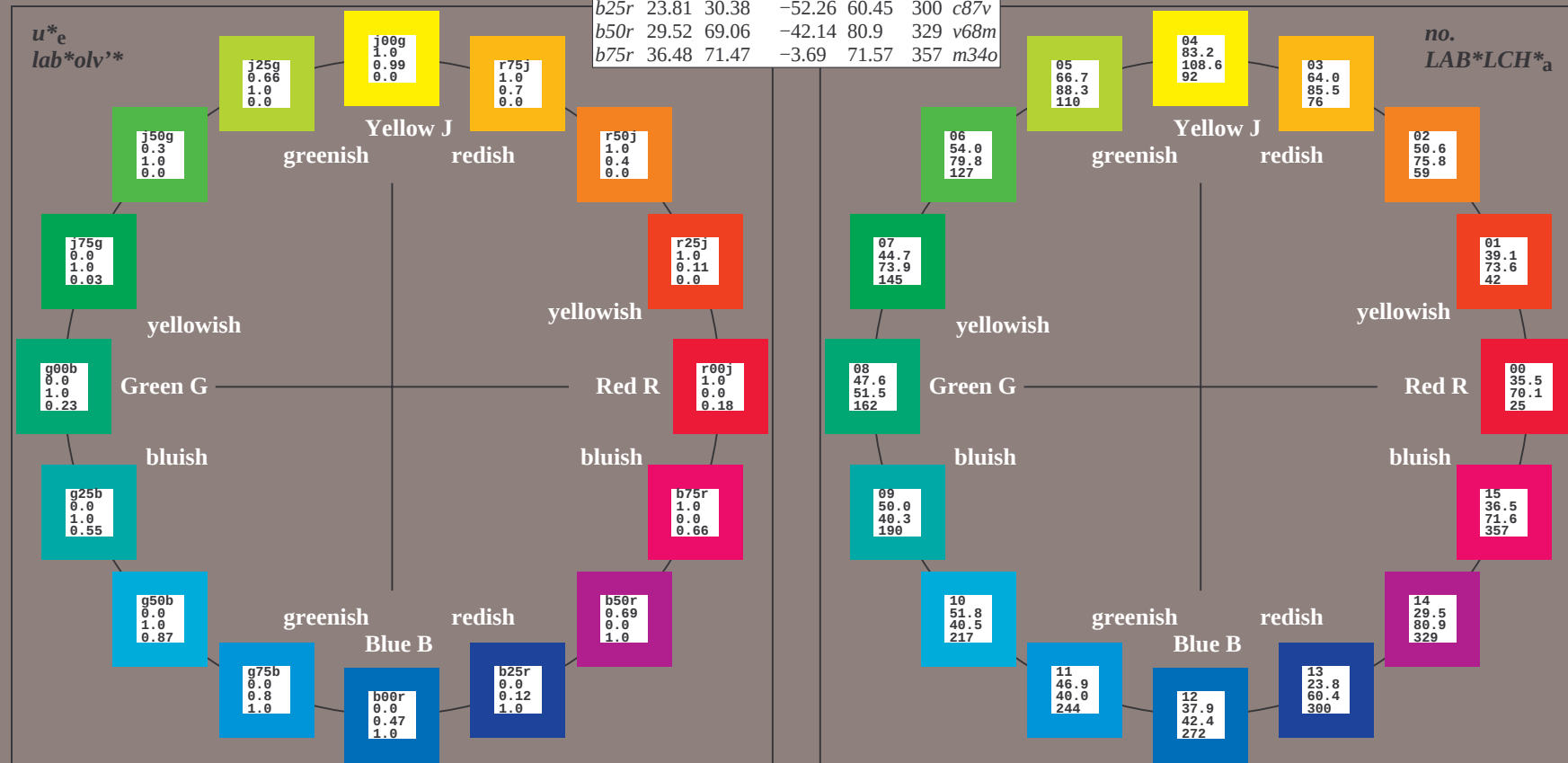
Input and output:
 Colorimetric Printer Reflective System FRS09_92a
 data for any colour:
 u_e^* and number *no.* = 00 .. 15
 elementary hue text:
 $u_e^* = 16$ hues *r00j*, *r25j*, ..., *b75r*
 contrast reduction factor:
 $c_R = 1.0$

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; 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^*

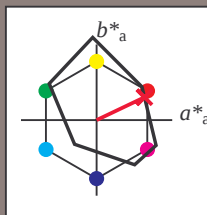
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

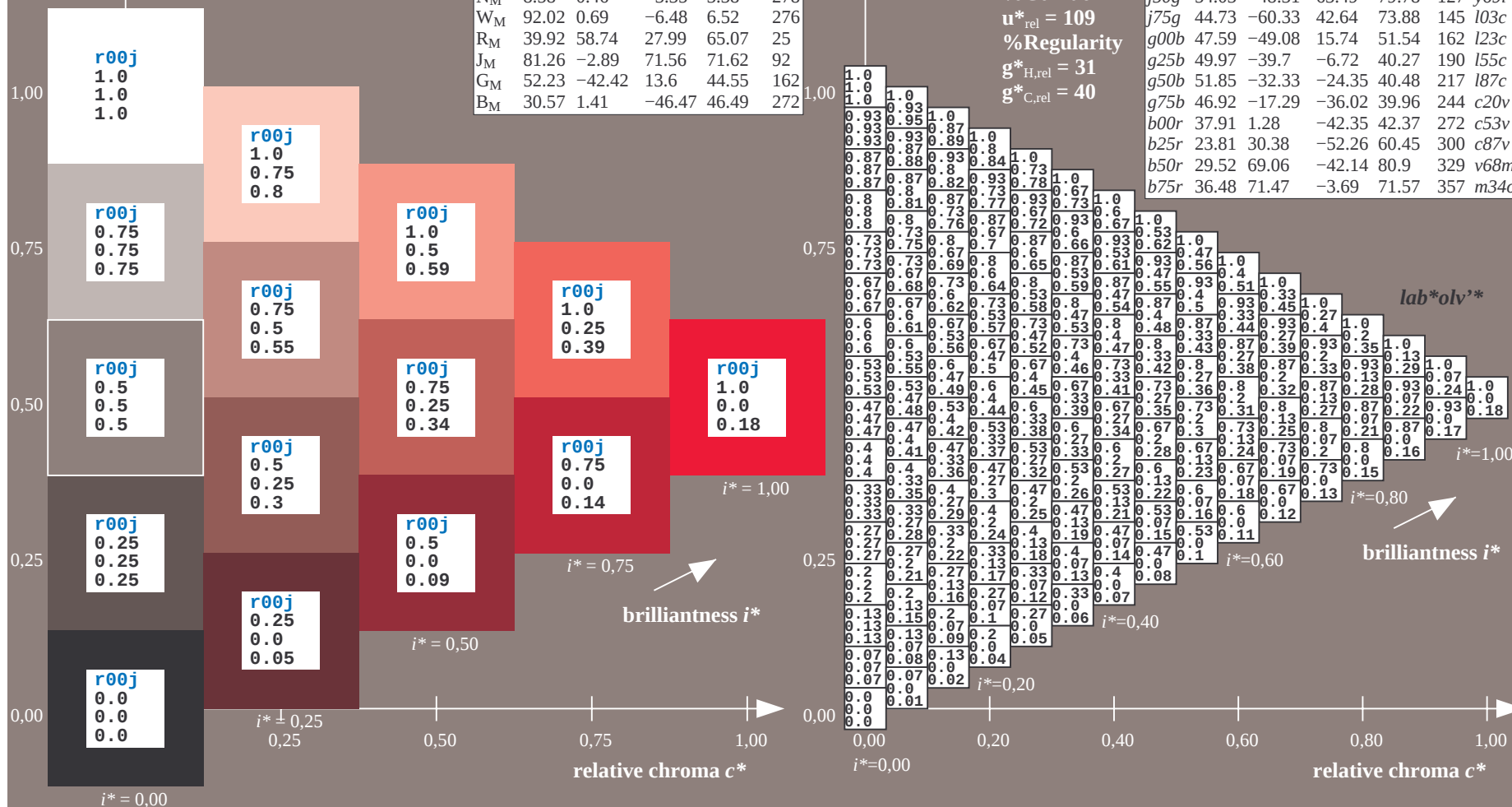
lab^*olv^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

relative chroma c^*



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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

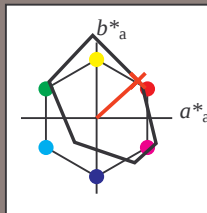
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	a^*	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):

$LAB \cdot LAB \cdot Ma$: 39 55 49

$LAB \cdot LCH \cdot Ma$: 39 74 42

$lab \cdot rgb \cdot Ma$: 1.0 0.25 0.0

$lab \cdot olv \cdot Ma$: 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	$i03c$
$g00b$	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	$m34o$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

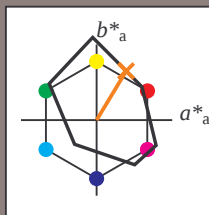
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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

$u^*_{rel} = 109$

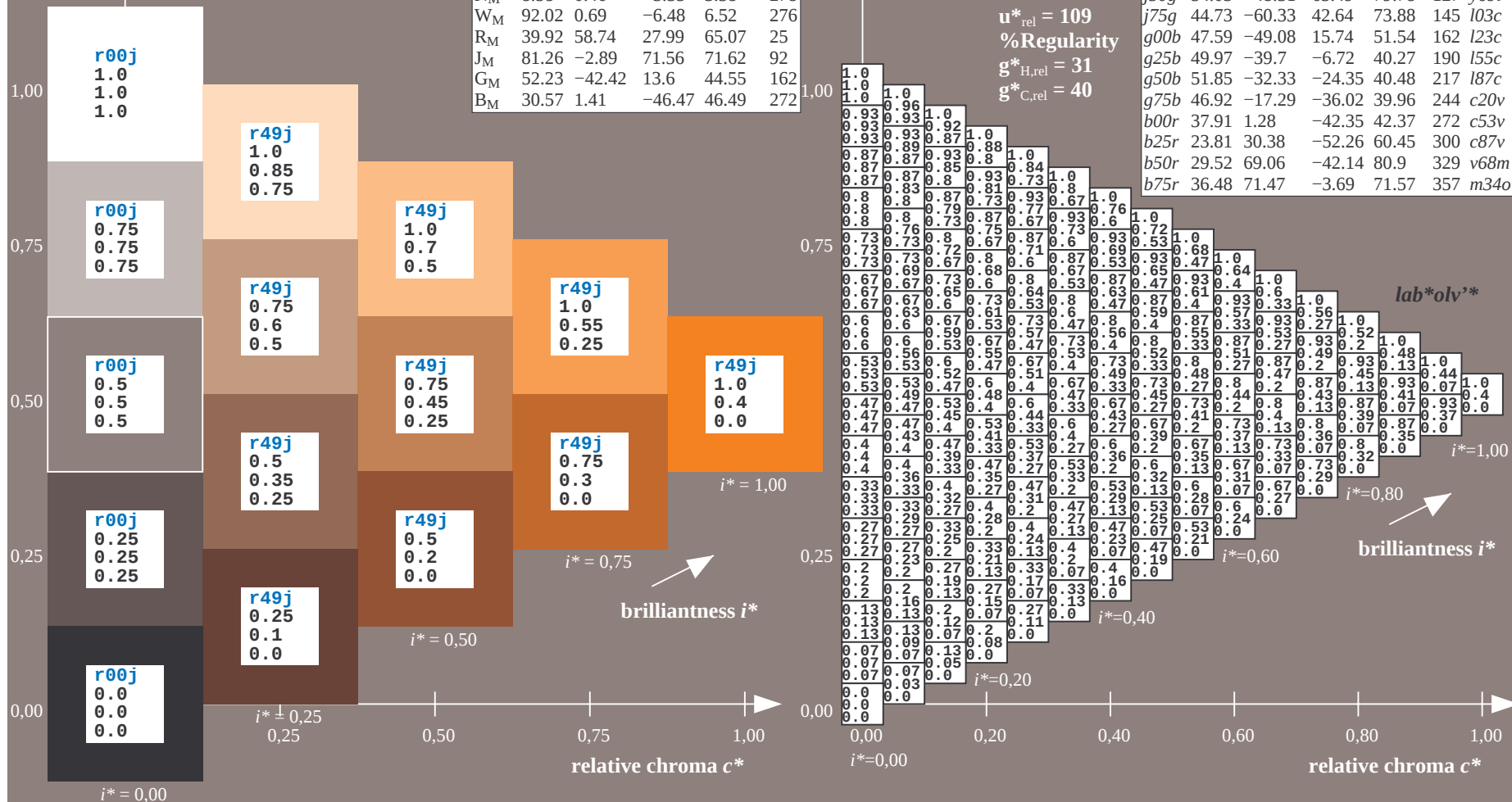
% Regularity

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

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

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^*

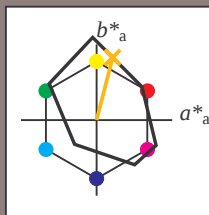
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_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):

$LAB^*LAB^*_{Ma}$: 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

$u^*_{rel} = 109$

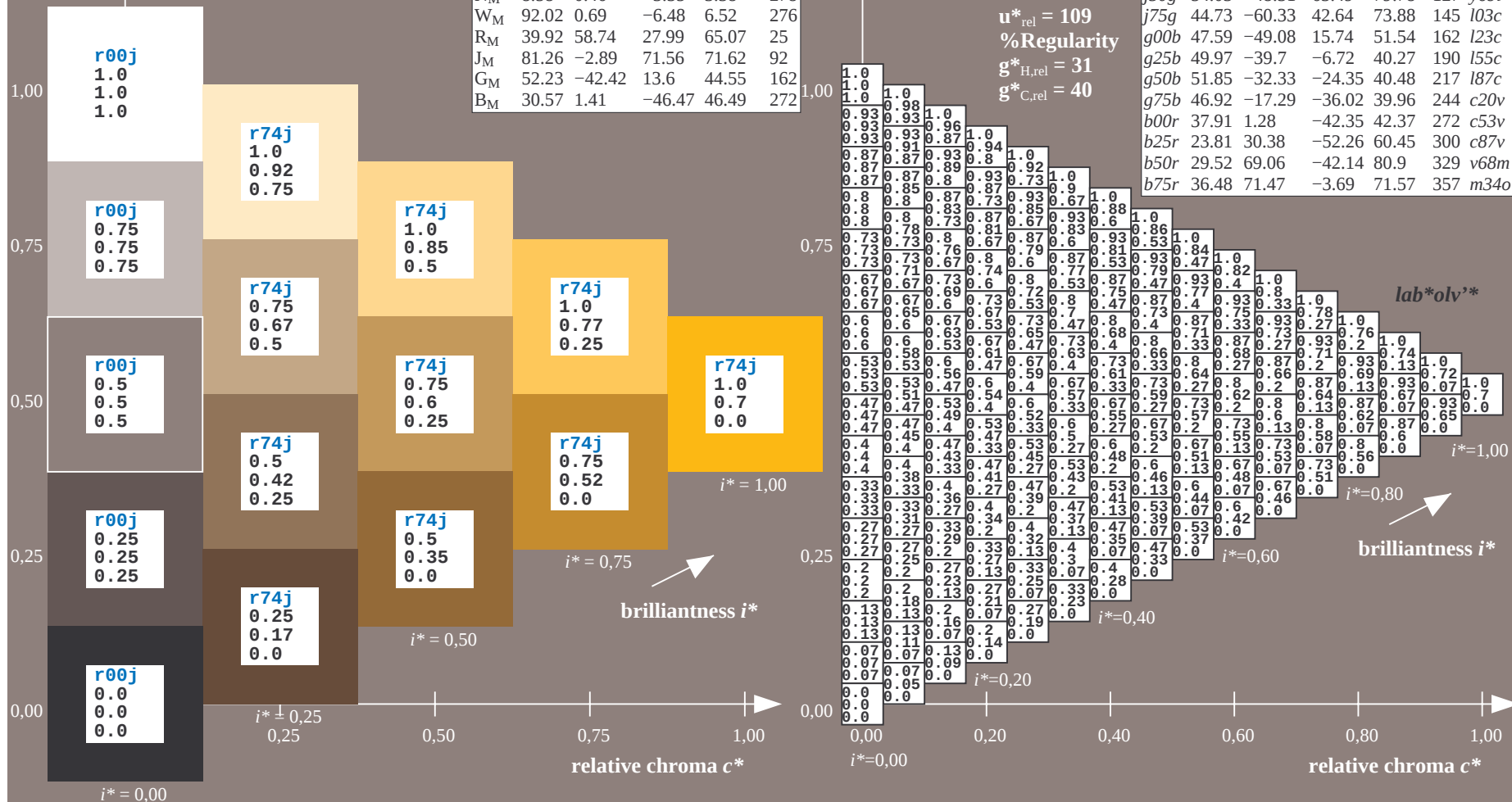
% Regularity

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

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

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 $h^* = lab \cdot h^* = h_{ab}/360 = 0.256$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

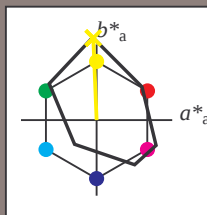
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

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

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

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

$lab \cdot olv^*_{Ma}$: 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	$m34o$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

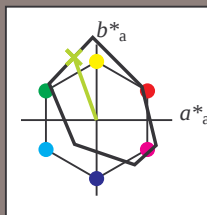
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; 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):

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

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

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

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

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	$m34o$

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^*

$i^* = 0.00$

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^*

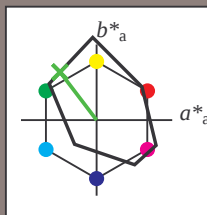
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

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

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

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

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

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	$m34o$

$u^*_e = j50g$

lab^*olv^*

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^*

$i^* = 0.00$

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:

$lab \cdot tch^*$ and $lab \cdot icu^*$

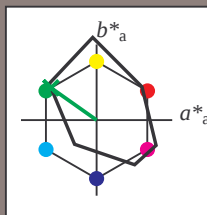
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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):

$LAB \cdot LAB \cdot Ma: 45 -60 43$

$LAB \cdot LCH \cdot Ma: 45 74 144$

$lab \cdot rgb \cdot Ma: 0.25 1.0 0.0$

$lab \cdot olv \cdot Ma: 0.0 1.0 0.03$

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	$l03c$
$g00b$	47.59	-49.08	15.74	51.54	162	$l23c$
$g25b$	49.97	-39.7	-6.72	40.27	190	$l55c$
$g50b$	51.85	-32.33	-24.35	40.48	217	$l87c$
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$

$u^*_e = j75g$

$lab \cdot olv^*$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS09_92a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.451$

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

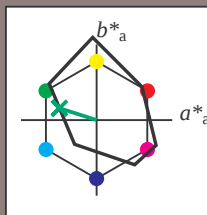
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

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

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

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

$lab \cdot olv^*_{Ma}$: 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	$i03c$
$g00b$	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	$m34o$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

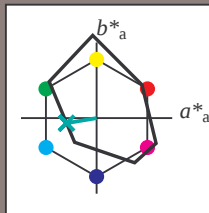
Hue texts:

$u_e^* = g25b$ $u_d^* = l55c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u_e^*	$L^*=L_a^*$	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^*	b^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
$r00j$	35.47	63.32	30.17	70.15	25	$m81o$
$r25j$	39.12	54.56	49.45	73.64	42	$o10y$
$r50j$	50.64	39.15	64.89	75.79	59	$o40y$
$r75j$	64.01	21.26	82.83	85.52	76	$o69y$
$j00g$	83.18	-4.38	108.53	108.62	92	$o98y$
$j25g$	66.73	-29.89	83.06	88.28	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	$m34o$

$u_e^* = g25b$

lab^*olv^*

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^*

$i^* = 0.00$

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^*

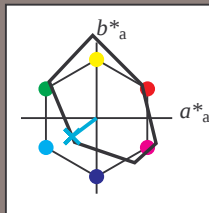
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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	$i03c$
$g00b$	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	$m34o$

$u^*_e = g50b$

lab^*olv^*

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^*

$i^* = 0.00$

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^*

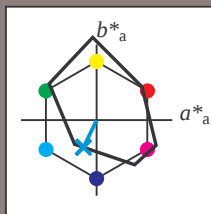
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

$u^*_e = g75b$

lab^*olv^*

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^*

$i^* = 0.00$

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^*

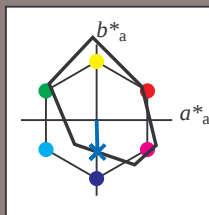
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

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

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^*

$i^* = 0.00$

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

data for any colour:

$lab \cdot tch^*$ and $lab \cdot icu^*$

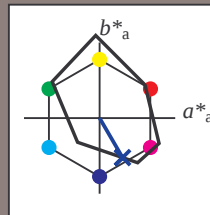
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	a^*_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):

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

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

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

$lab \cdot olv^*_{Ma}$: 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	$m34o$

$lab \cdot olv^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

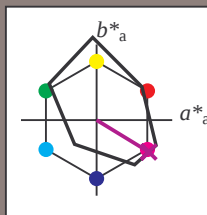
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$i03c$
$g00b$	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^*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^*

$i^* = 0.00$

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^*

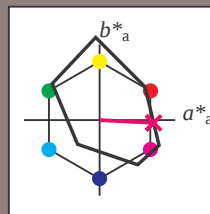
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; 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	$m34o$

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^*

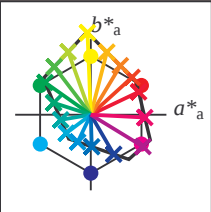
relative chroma c^*

$i^* = 0.00$

Ee360-7A, Page 180/198

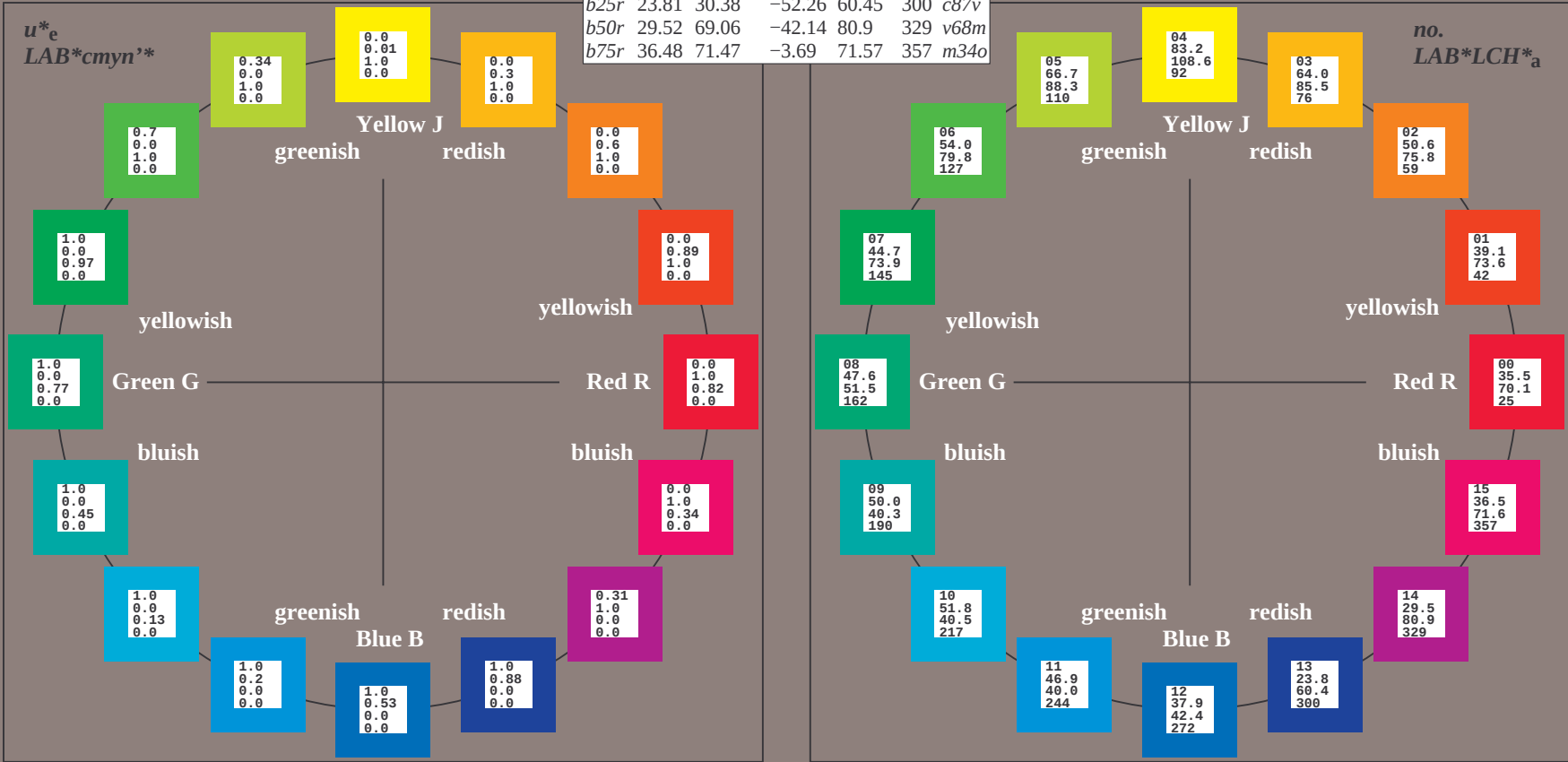
Input and output:
Colorimetric Printer Reflective System FRS09_92a
data for any colour:
 u_e^* and number $no.$ = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

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^*

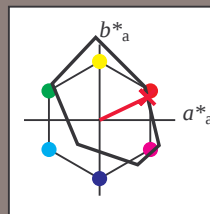
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

$i^* \pm 0.25$

0.50

0.75

1.00

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^*

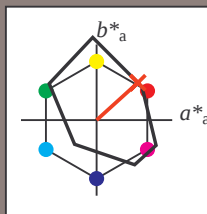
Hue texts:

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

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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

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^*

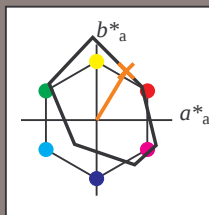
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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	$m34o$

LAB^*cmyn^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

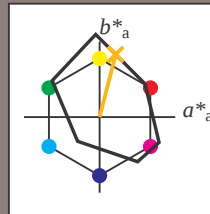
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$103c$
$g00b$	47.59	-49.08	15.74	51.54	162	$123c$
$g25b$	49.97	-39.7	-6.72	40.27	190	$155c$
$g50b$	51.85	-32.33	-24.35	40.48	217	$187c$
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$
$b25r$	23.81	30.38	-52.26	60.45	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^*=0.00$

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^*

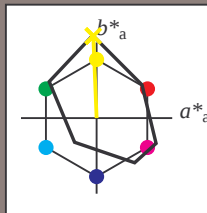
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

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

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

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

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

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	$m34o$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

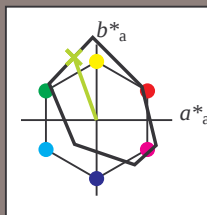
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; 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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

$LAB^*cmy^n^*$

$i^*=1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

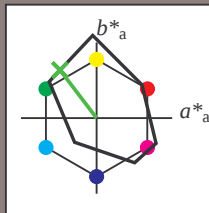
Hue texts:

$u_e^* = j50g$ $u_d^* = y69l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

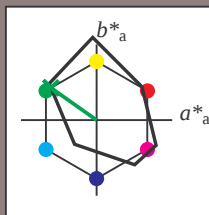
Hue texts:

$u^*_e = j75g$ $u^*_d = l03c$

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):

$LAB^*LAB^*_{Ma}$: 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	$l03c$
$g00b$	47.59	-49.08	15.74	51.54	162	$l23c$
$g25b$	49.97	-39.7	-6.72	40.27	190	$l55c$
$g50b$	51.85	-32.33	-24.35	40.48	217	$l87c$
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$
$b25r$	23.81	30.38	-52.26	60.45	300	$c87v$
$b50r$	29.52	69.06	-42.14	80.9	329	$v68m$
$b75r$	36.48	71.47	-3.69	71.57	357	$m34o$

$u^*_e = j75g$

LAB^*cmyn^*

LAB^*cmyn^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

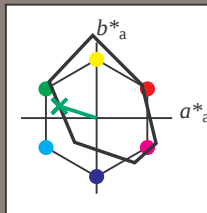
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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

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

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

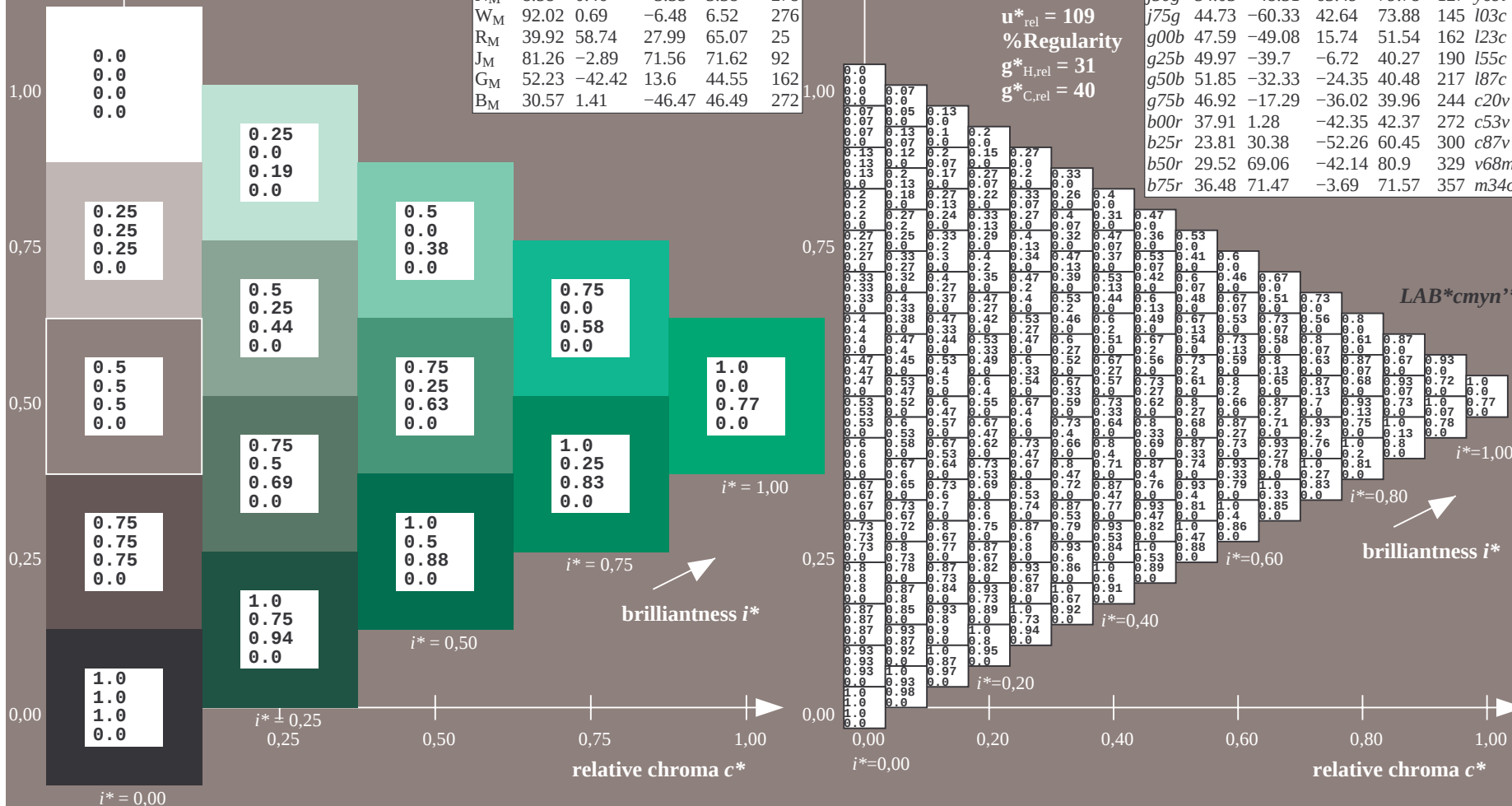
FRS09_92a; adapted (a) CIELAB data

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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*



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^*

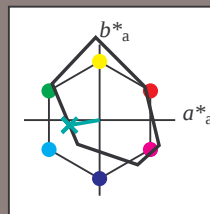
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

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

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

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

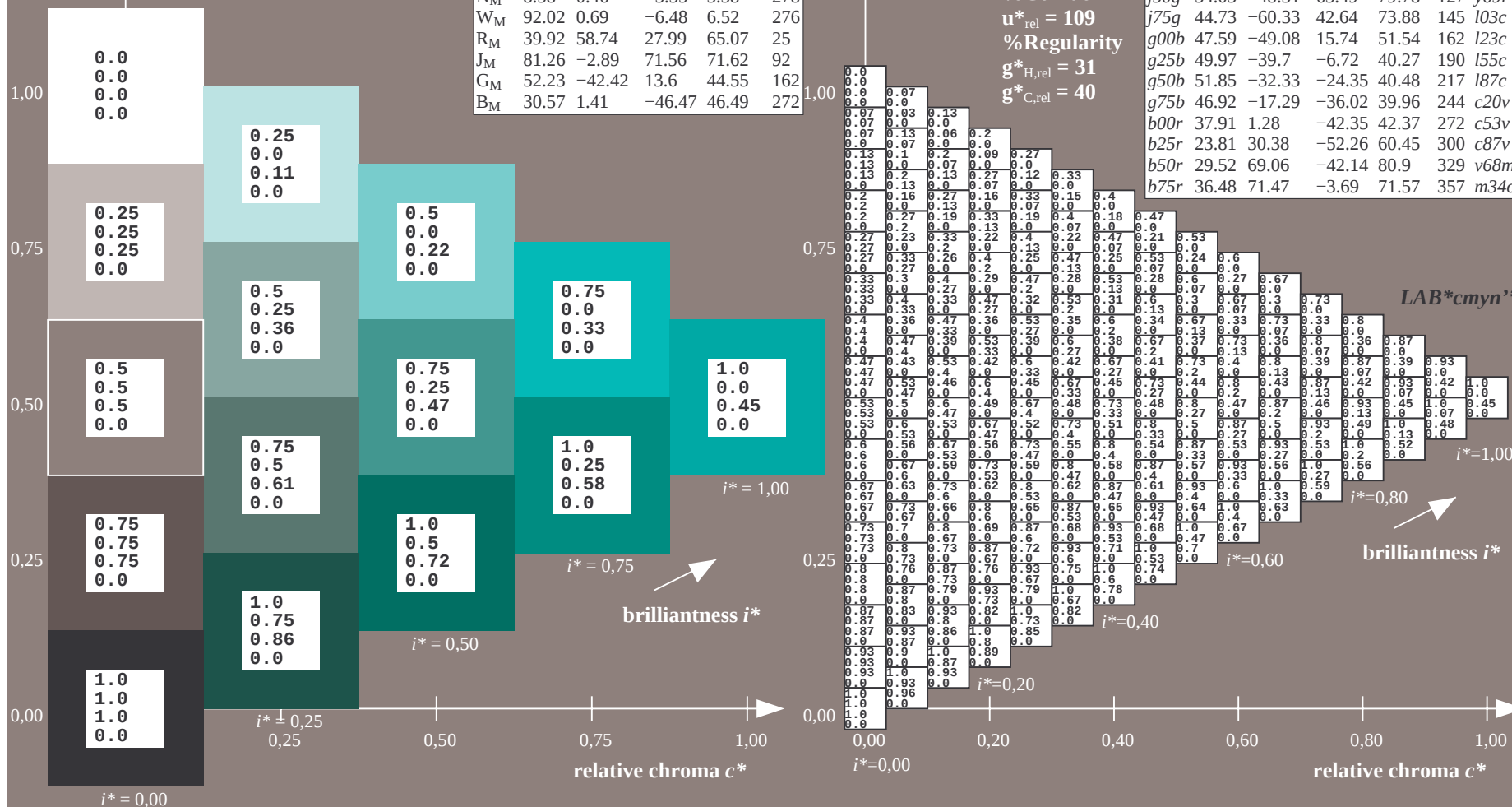
FRS09_92a; adapted (a) CIELAB data

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	$i03c$
$g00b$	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^*

$i^*=1.00$

brilliantness i^*



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^*

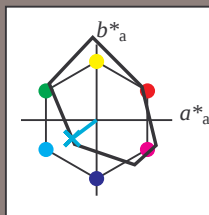
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$i87c$
$g75b$	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^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

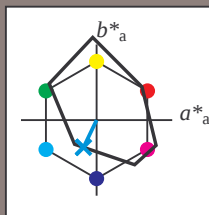
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$m34o$

LAB^*cmyn^*

$i^*=1.00$

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^*

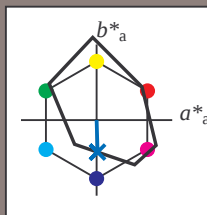
Hue texts:

$u_e^* = b00r$ $u_d^* = c53v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u_e^*	$L^*=L^*_a$	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):

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

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

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

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

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	$m34o$

$u_e^* = b00r$

LAB^*cmyn^*

LAB^*cmyn^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

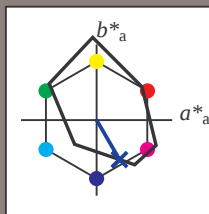
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$103c$
$g00b$	47.59	-49.08	15.74	51.54	162	$123c$
$g25b$	49.97	-39.7	-6.72	40.27	190	$155c$
$g50b$	51.85	-32.33	-24.35	40.48	217	$187c$
$g75b$	46.92	-17.29	-36.02	39.96	244	$c20v$
$b00r$	37.91	1.28	-42.35	42.37	272	$c53v$
$b25r$	23.81	30.38	-52.26	60.45	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^*cmyn^*

LAB^*cmyn^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

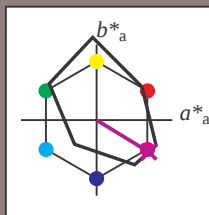
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; CIELAB data

u^*_e	$L^*=L^*_a$	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):

$LAB^*LAB^*_{Ma}$: 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	$i03c$
$g00b$	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	$m34o$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

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^*

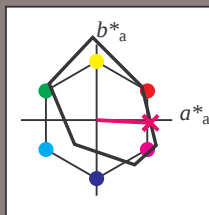
Hue texts:

$u_e^* = b75r$ $u_d^* = m34o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS09_92a; 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	$m34o$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

	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*cmyn'*
01	00																																					