

Input and output:

Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

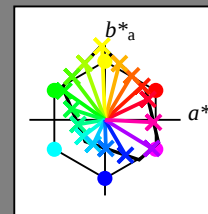
$u^*_e = 16$ hues *r00j*, *r25j*, ..., *b75r*

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	39.18	56.94	27.13	63.07	25	<i>m81o</i>
<i>r25j</i>	42.41	49.1	44.5	66.26	42	<i>o10y</i>
<i>r50j</i>	52.78	35.22	58.37	68.17	59	<i>o40y</i>
<i>r75j</i>	64.82	19.12	74.47	76.89	76	<i>o69y</i>
<i>j00g</i>	82.06	-3.94	97.52	97.6	92	<i>o98y</i>
<i>j25g</i>	67.26	-26.87	74.67	79.36	110	<i>y34l</i>
<i>j50g</i>	55.83	-43.45	57.11	71.76	127	<i>y69l</i>
<i>j75g</i>	47.5	-54.18	38.3	66.35	145	<i>l03c</i>
<i>g00b</i>	50.07	-44.09	14.13	46.3	162	<i>l23c</i>
<i>g25b</i>	52.21	-35.66	-6.03	36.17	190	<i>l55c</i>
<i>g50b</i>	53.9	-29.04	-21.87	36.36	217	<i>l87c</i>
<i>g75b</i>	49.44	-15.51	-32.31	35.84	244	<i>c20v</i>
<i>b00r</i>	41.36	1.15	-37.95	37.97	272	<i>c53v</i>
<i>b25r</i>	28.74	27.19	-46.77	54.1	300	<i>c87v</i>
<i>b50r</i>	33.74	61.97	-37.81	72.59	329	<i>v68m</i>
<i>b75r</i>	40.08	64.26	-3.32	64.35	357	<i>m33o</i>



%Gamut

$u^*_{rel} = 88$

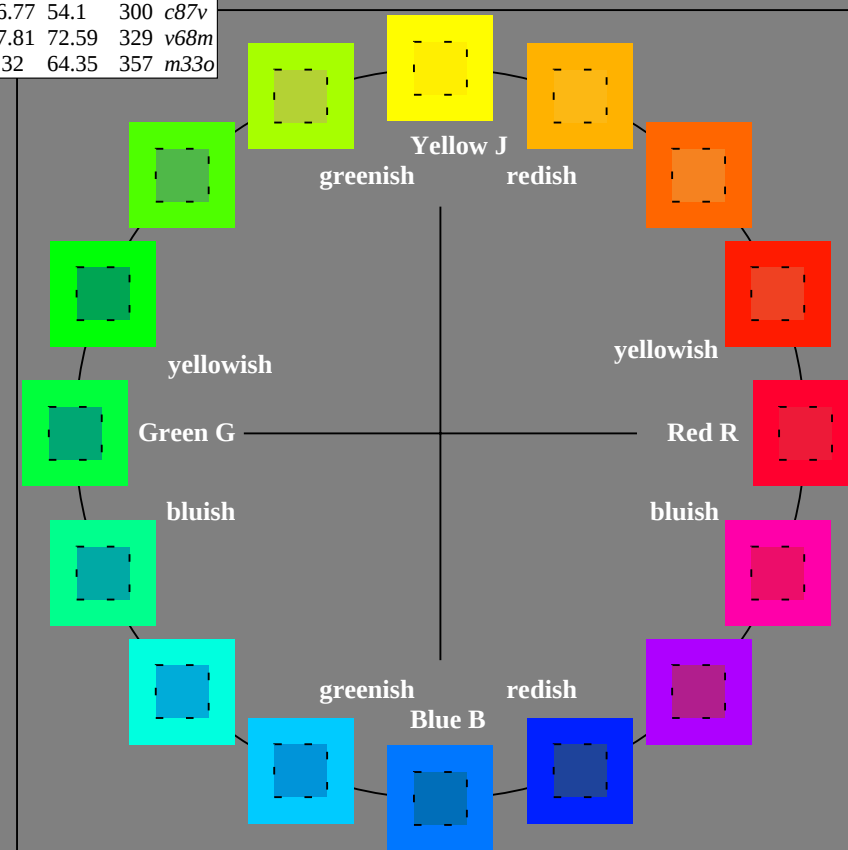
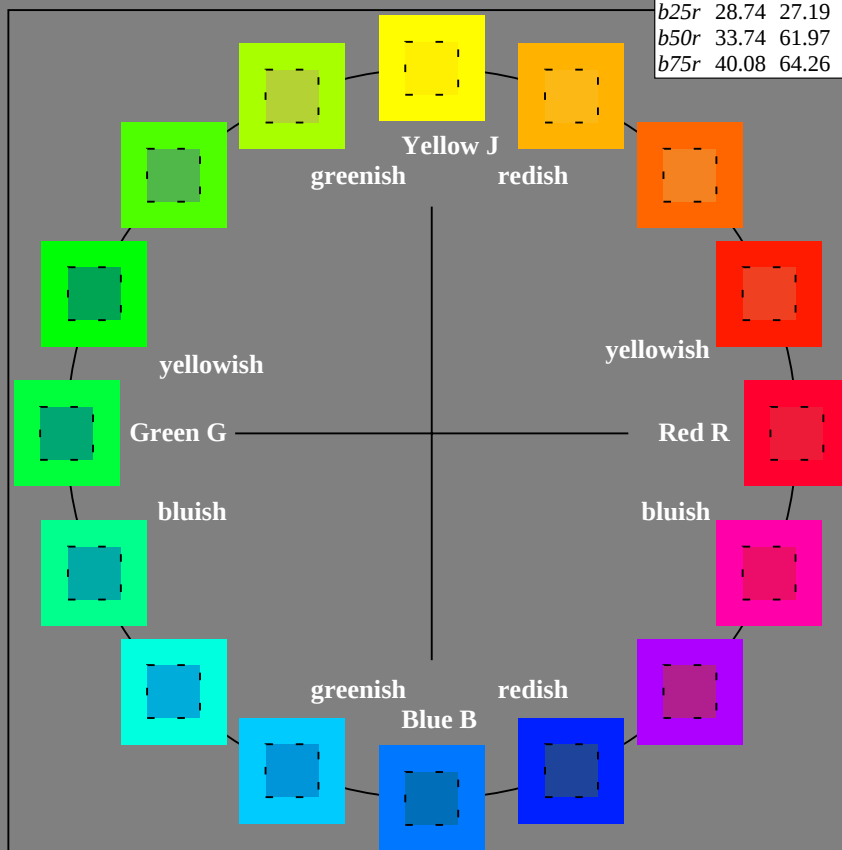
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{CIE}	39.92	58.74	27.99	65.07	92
J _{CIE}	81.26	-2.89	71.56	71.62	92
G _{CIE}	52.23	-42.42	13.6	44.55	162
B _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:

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

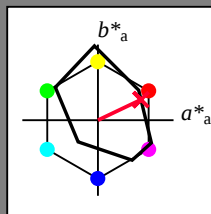
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data
 u_e^* $L^*=L_a^*$ a_a^* b_a^* $C_{ab,a}^*$ $h_{ab,a}^*$

O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 57 27

LAB^*LCH^*Ma : 39 63 25

lab^*rgb^*Ma : 1.0 0.0 0.0

lab^*olv^*Ma : 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

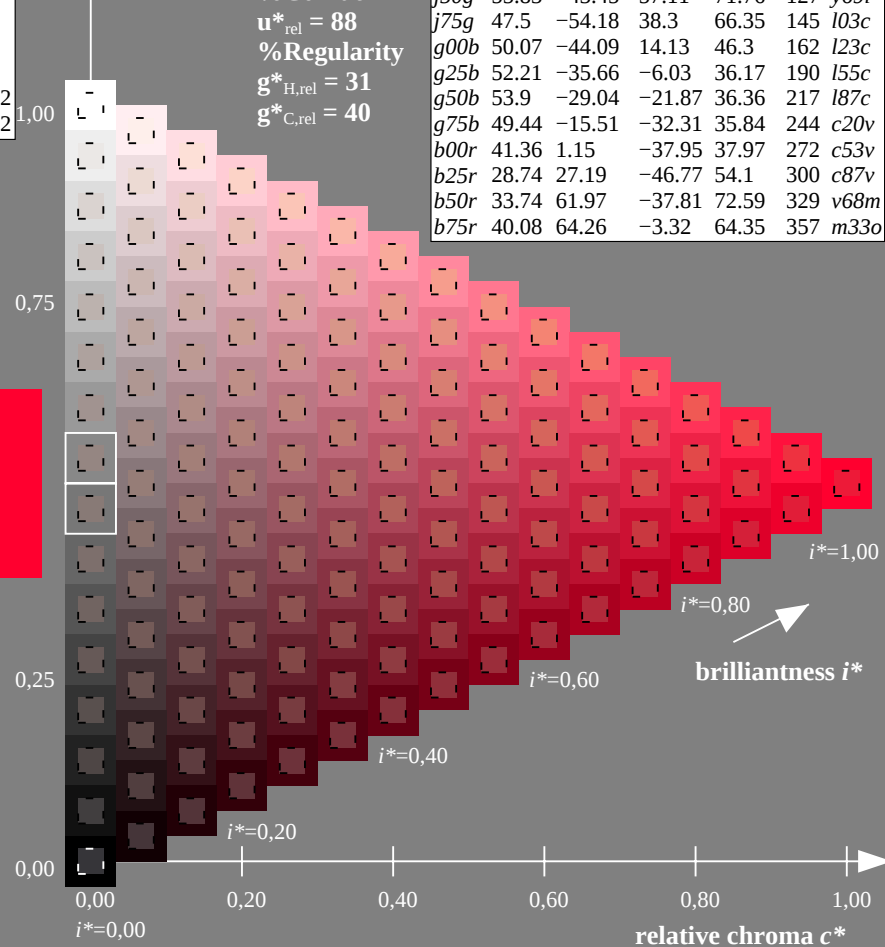
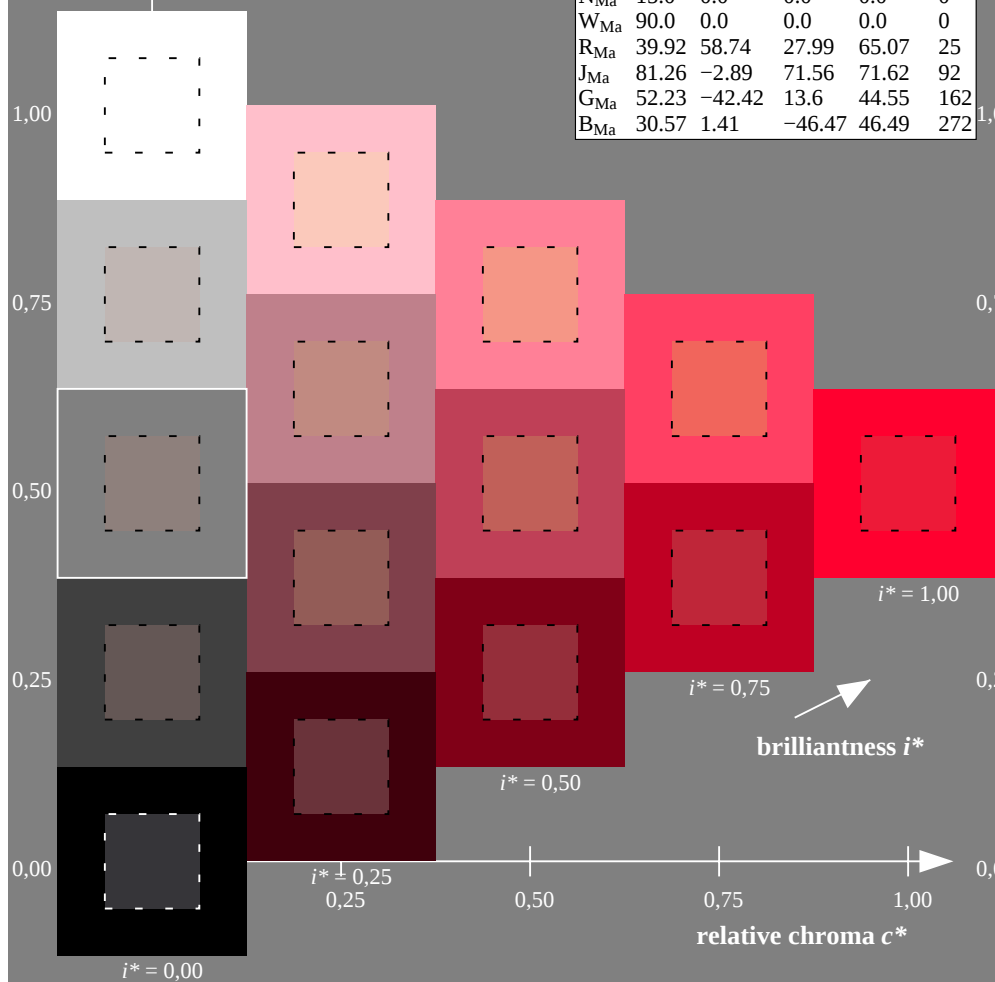
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data
 u_e^* $L^*=L_a^*$ a_a^* b_a^* $C_{ab,a}^*$ $h_{ab,a}^*$ u_d^*

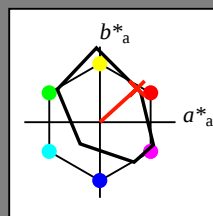
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



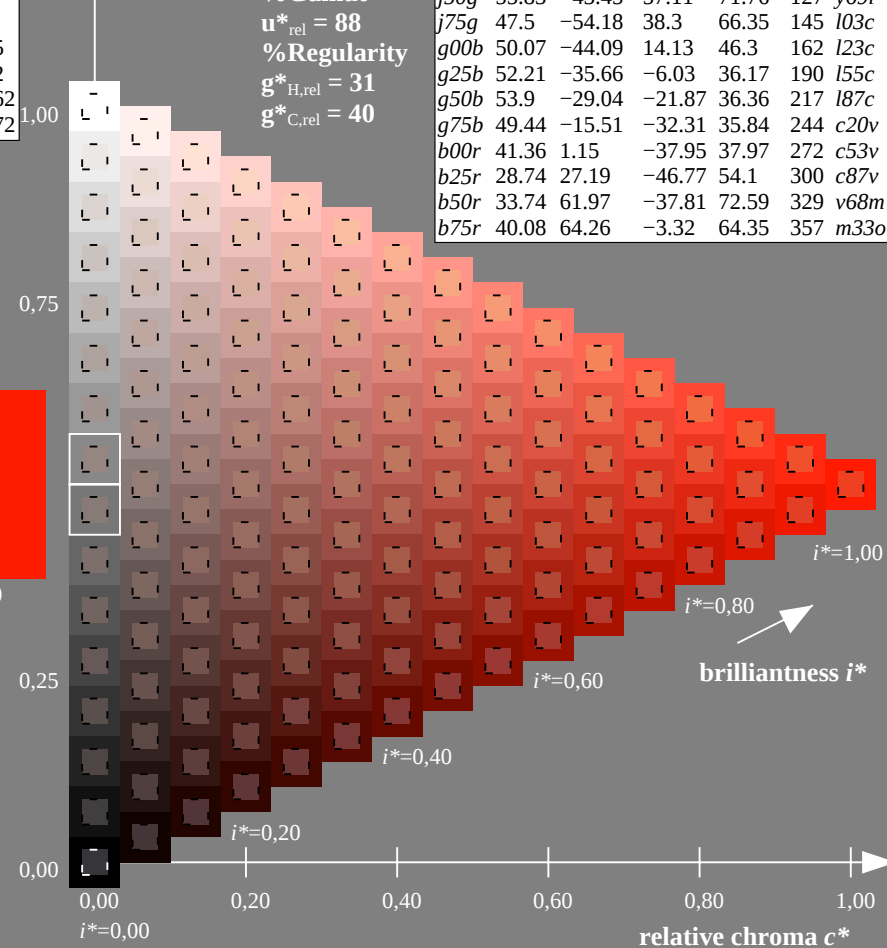
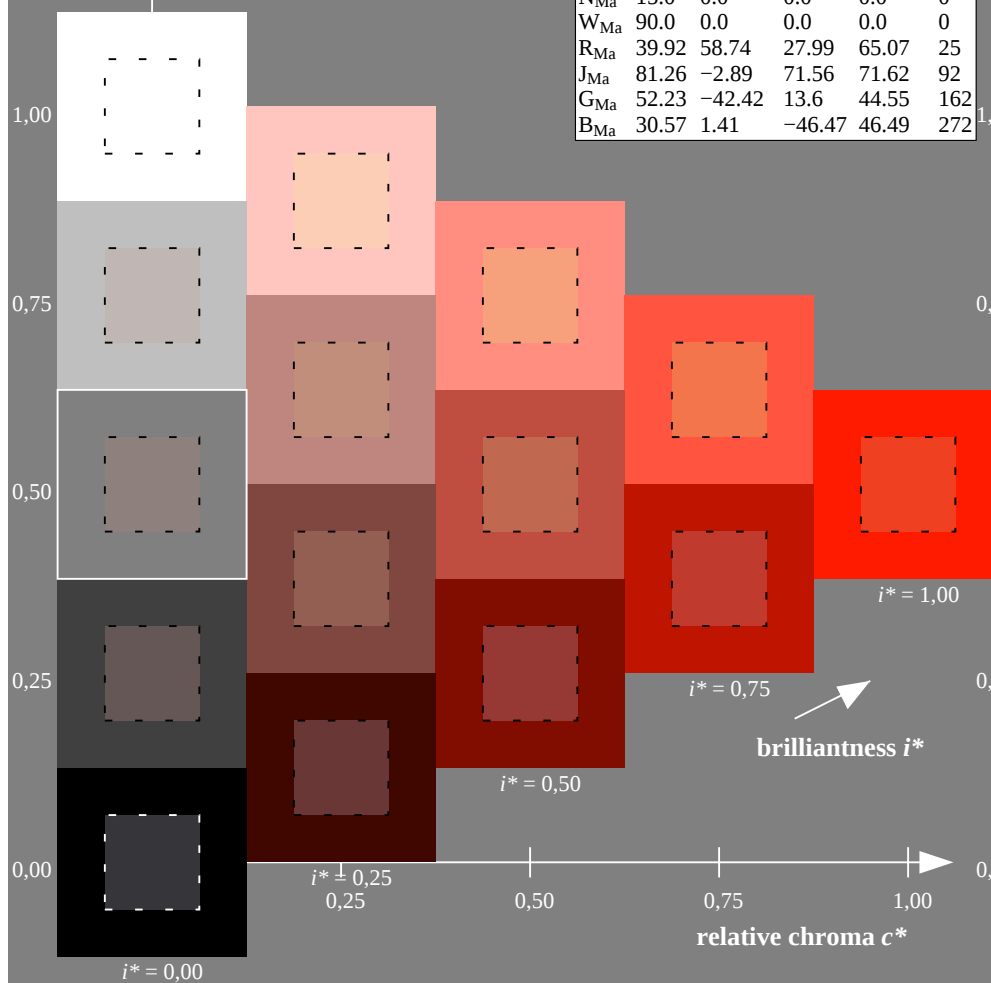
FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 42 49 44
 LAB^*LCH^*Ma : 42 66 42
 lab^*rgb^*Ma : 1.0 0.25 0.0
 lab^*olv^*Ma : 1.0 0.1 0.0
triangle lightness t^*

%Gamut
 $u_{rel}^* = 88$
%Regularity
 $g_{H,rel}^* = 31$
 $g_{C,rel}^* = 40$

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:

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

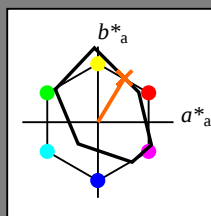
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 53 35 58

LAB^*LCH^*Ma : 53 68 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

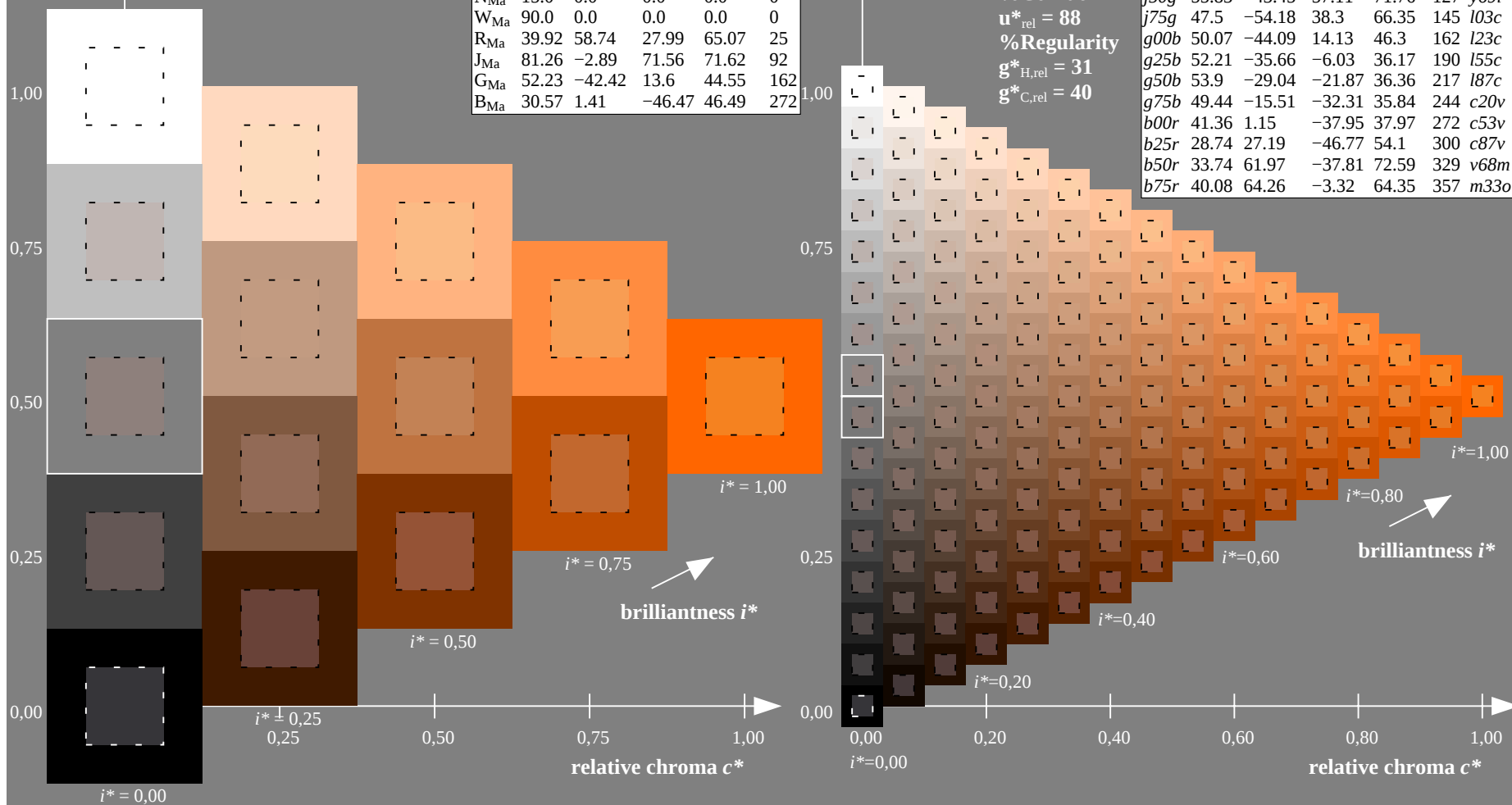
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

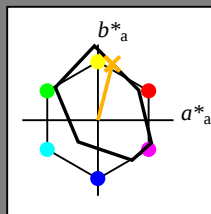
Hue texts:

$u_e^* = r75j$ $u_d^* = o69y$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 65 19 74

LAB^*LCH^*Ma : 65 77 75

lab^*rgb^*Ma : 1.0 0.75 0.0

lab^*olv^*Ma : 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

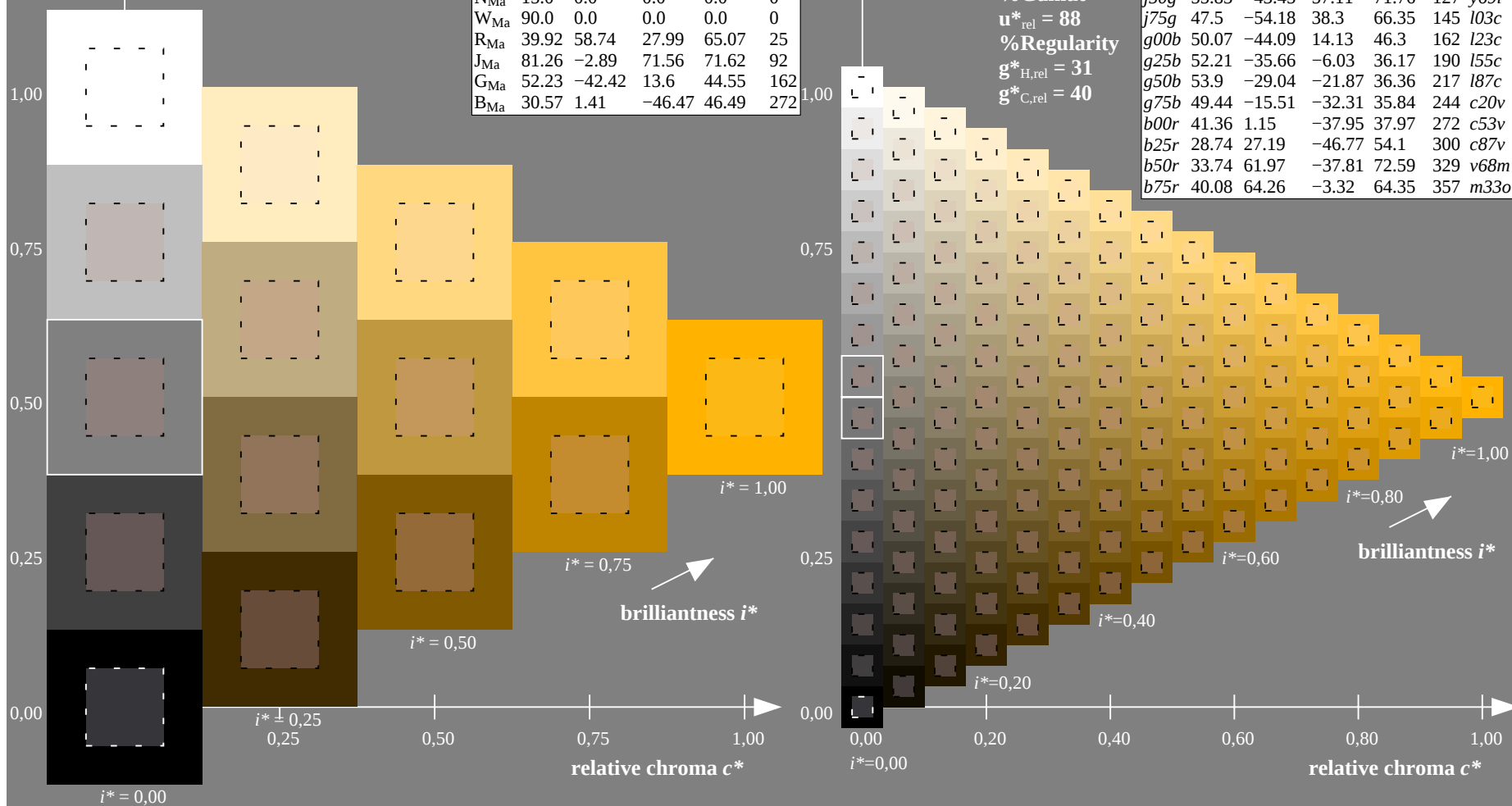
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	i03c	
g00b	50.07	-44.09	14.13	46.3	162	i23c	
g25b	52.21	-35.66	-6.03	36.17	190	i55c	
g50b	53.9	-29.04	-21.87	36.36	217	i87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

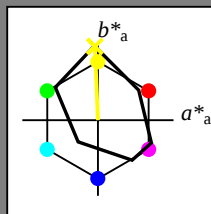
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
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V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

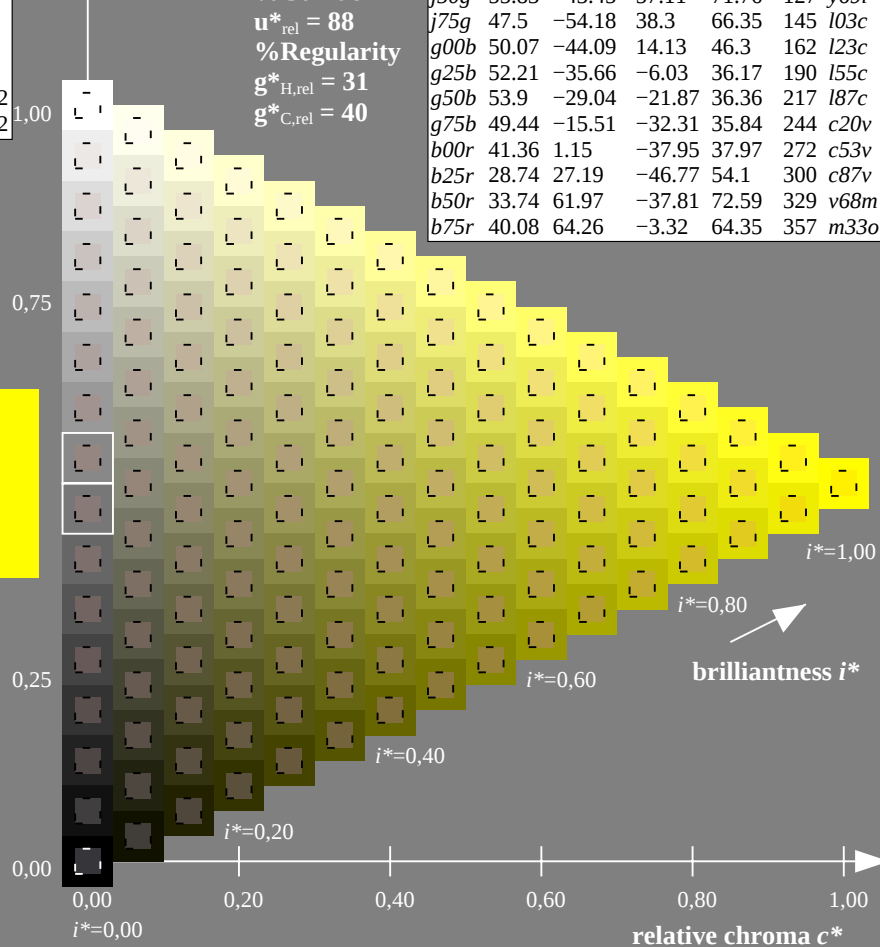
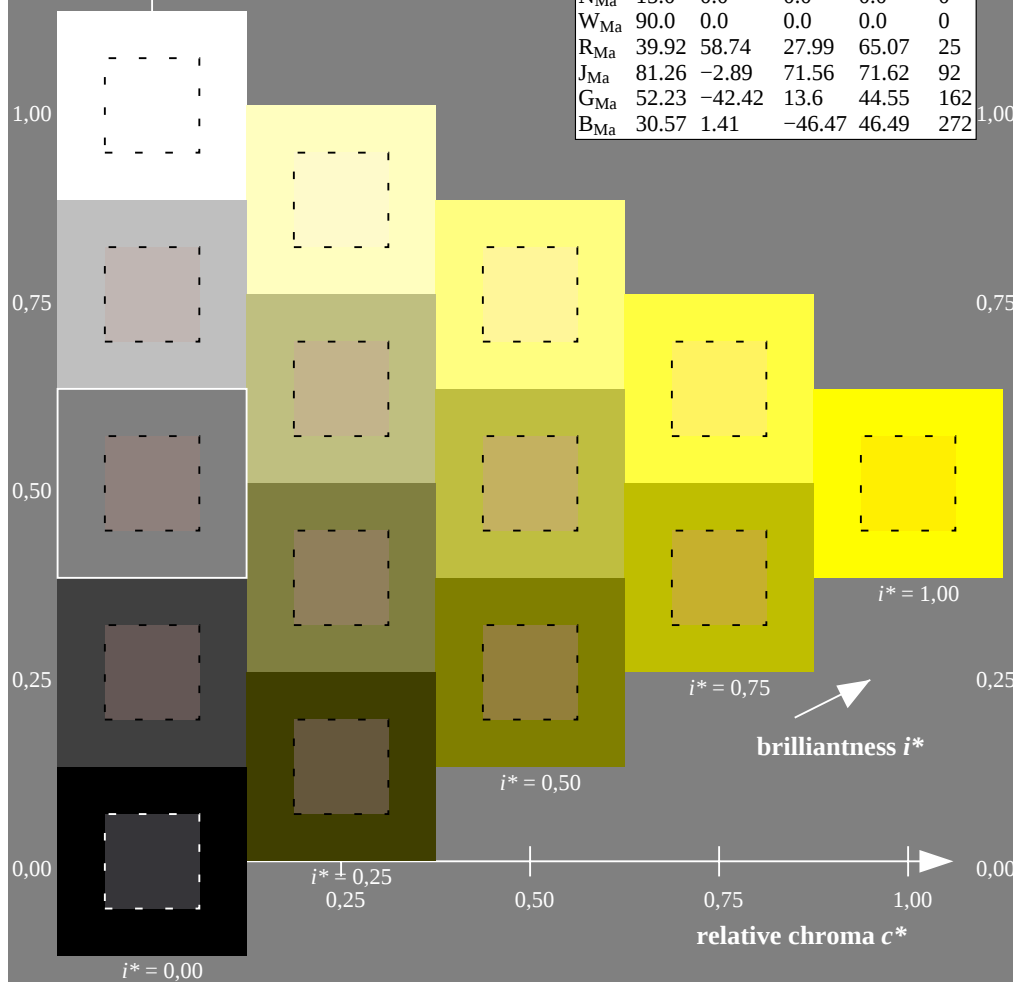
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

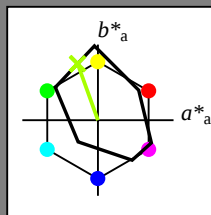
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

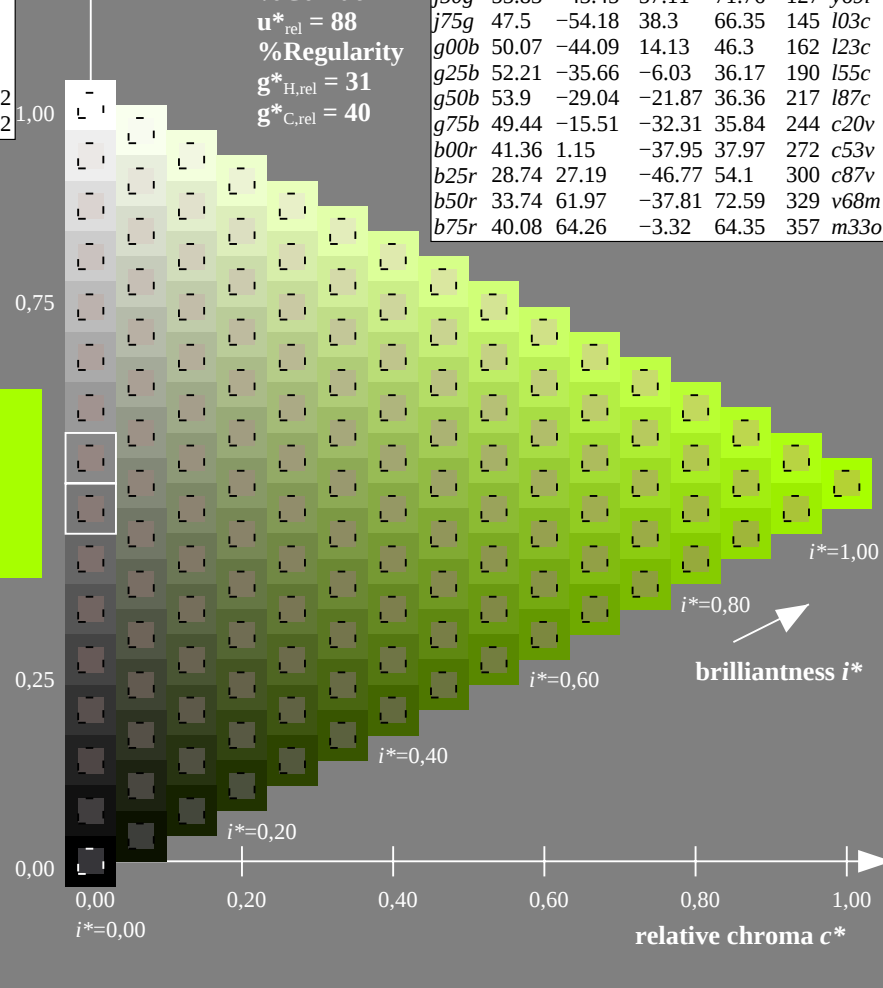
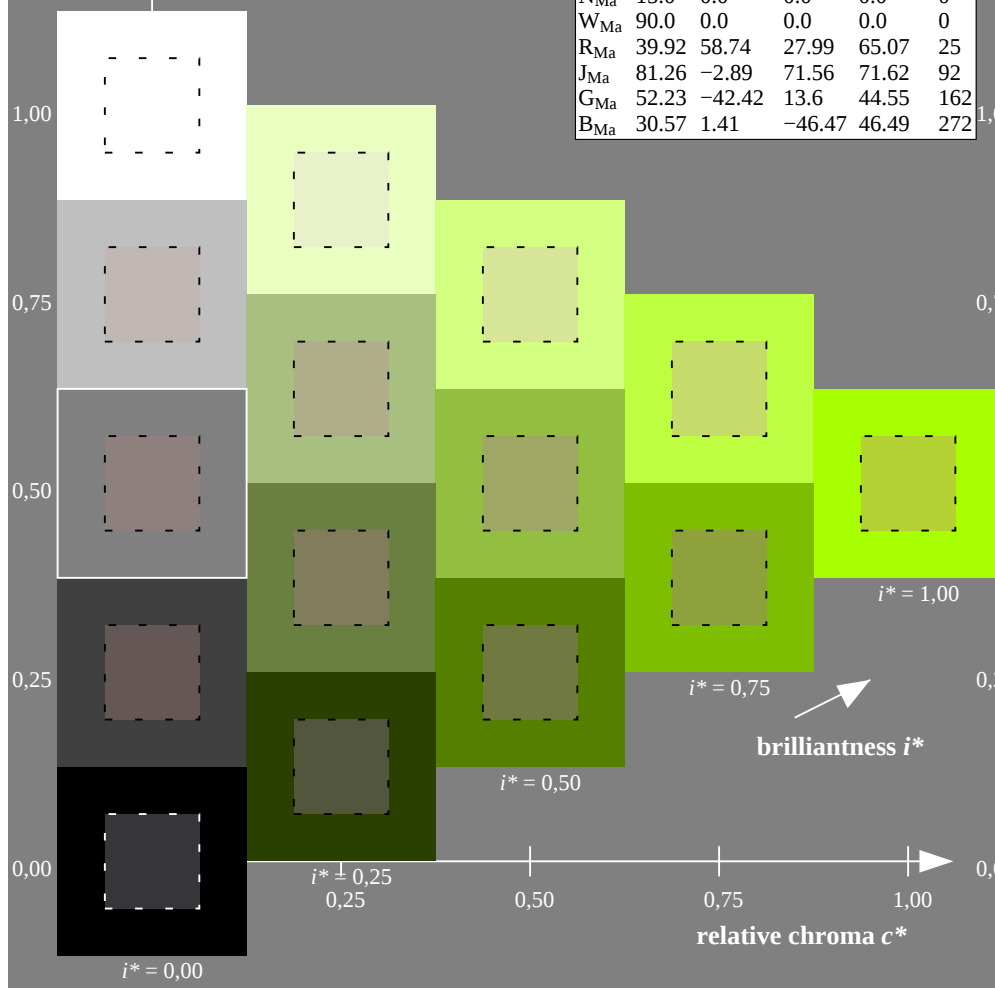
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

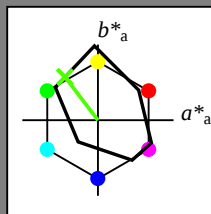
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

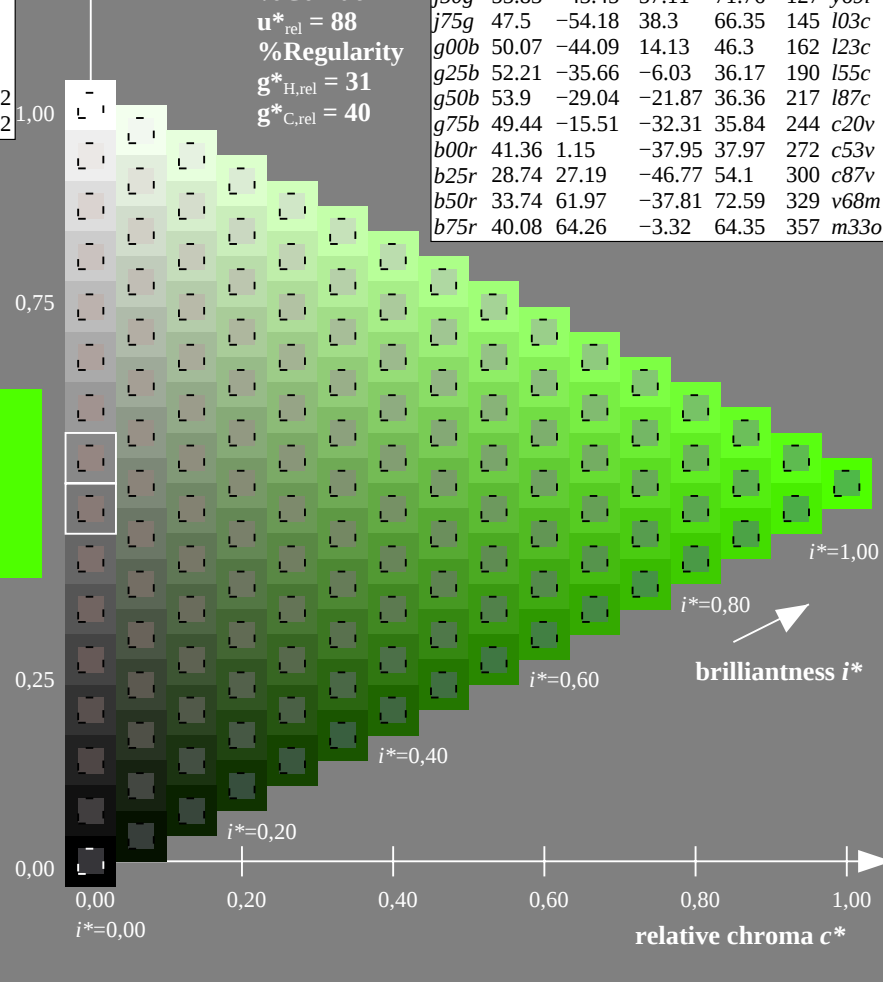
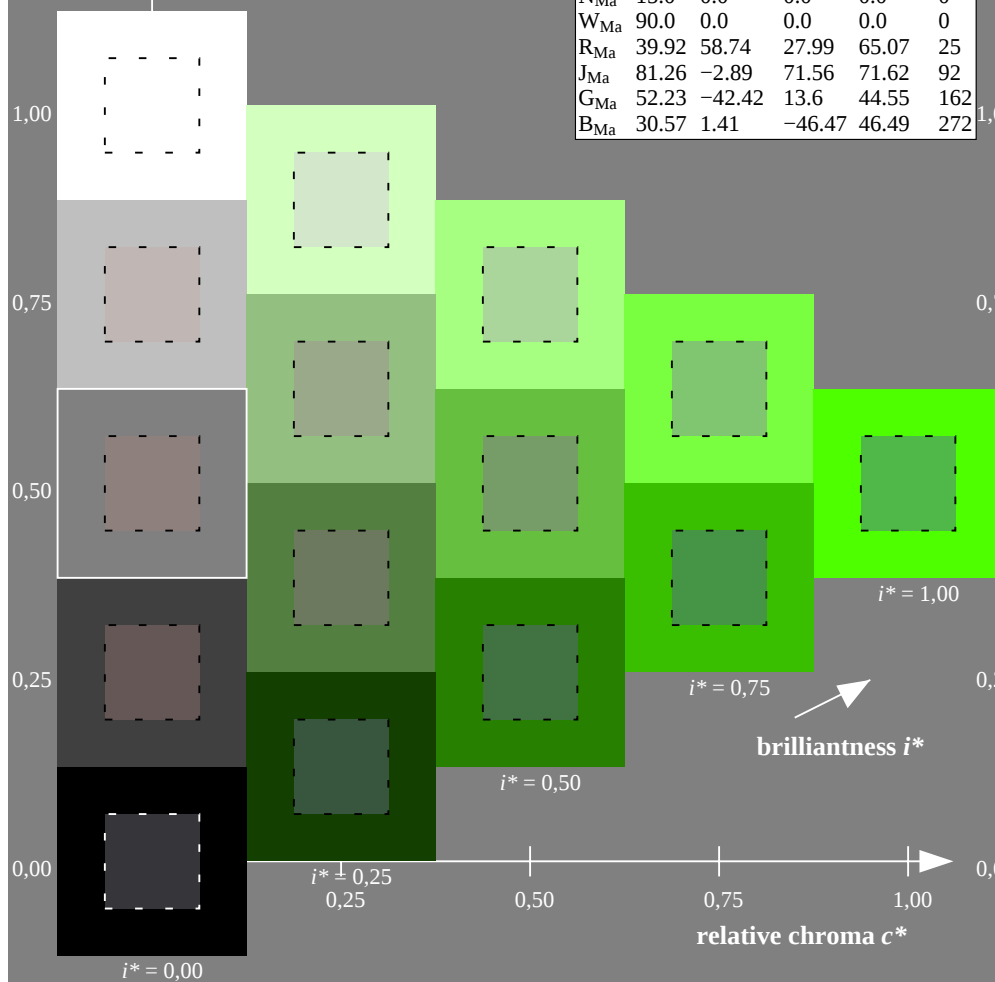
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

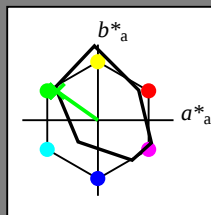
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

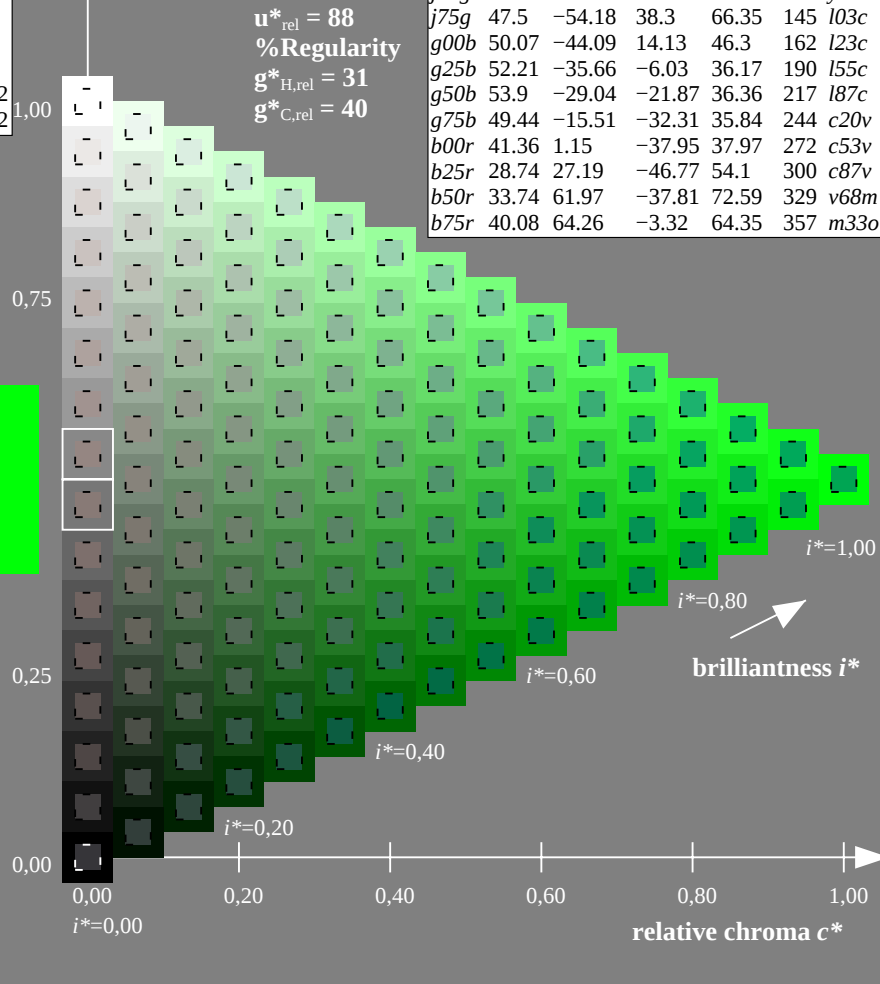
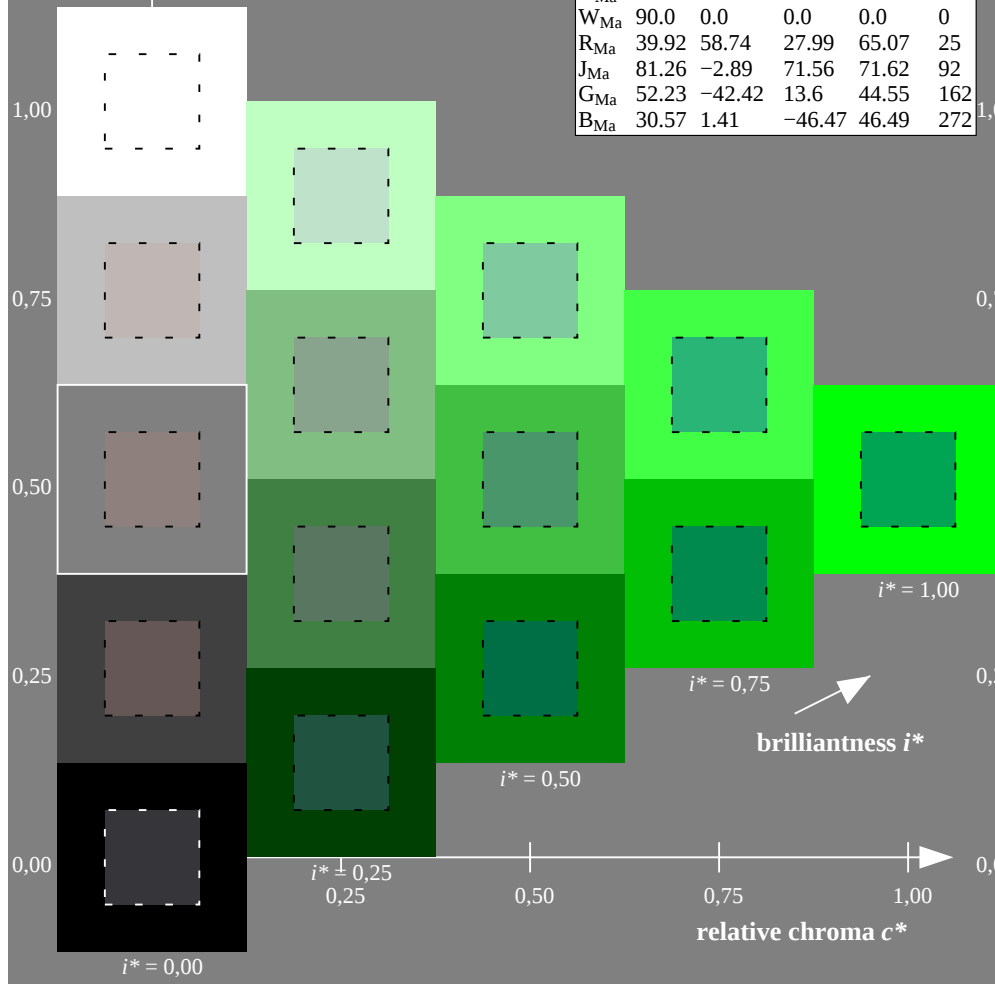
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = j75g$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

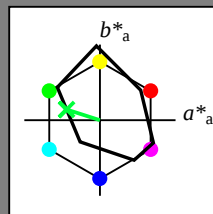
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

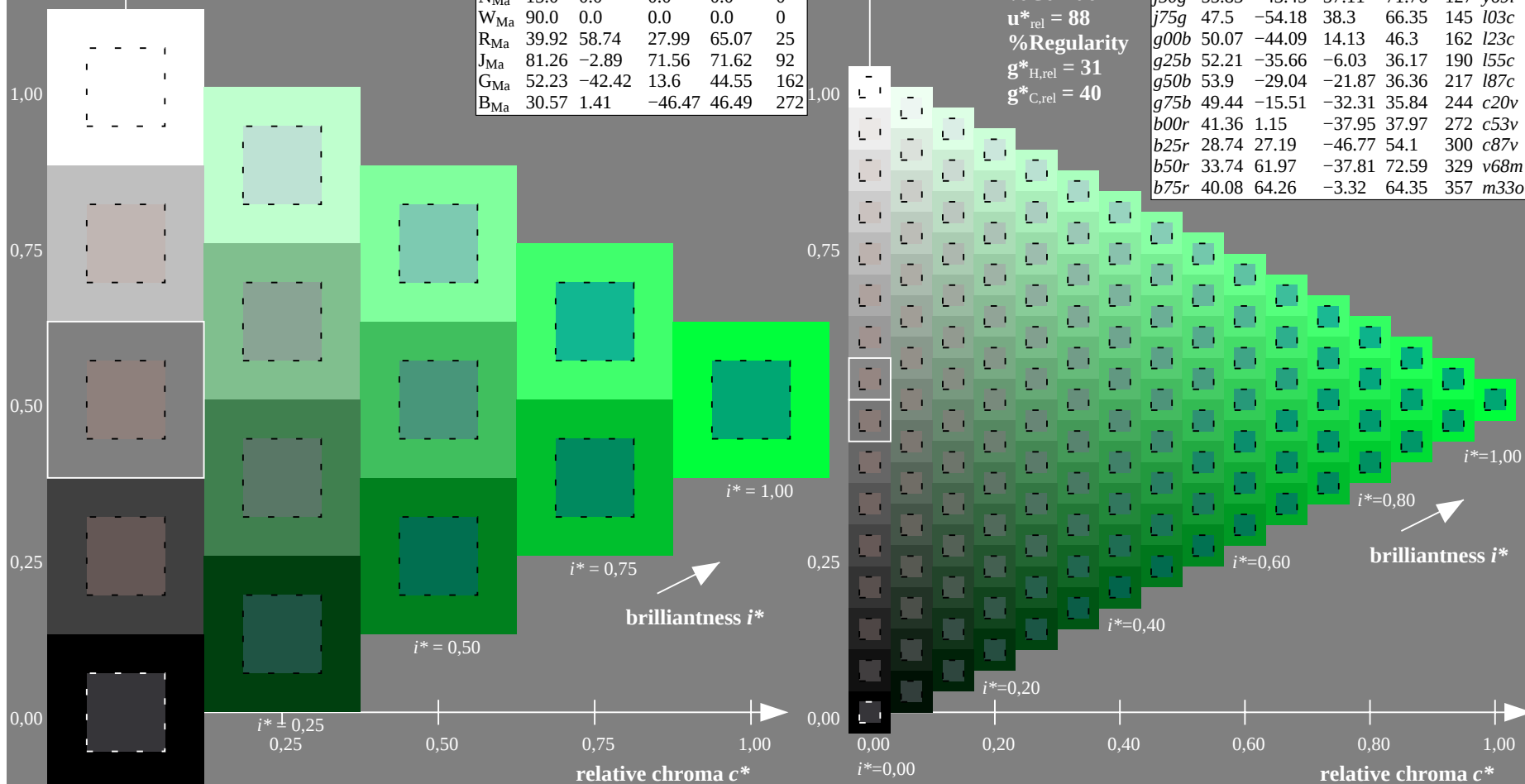
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

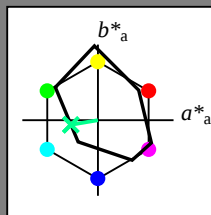
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

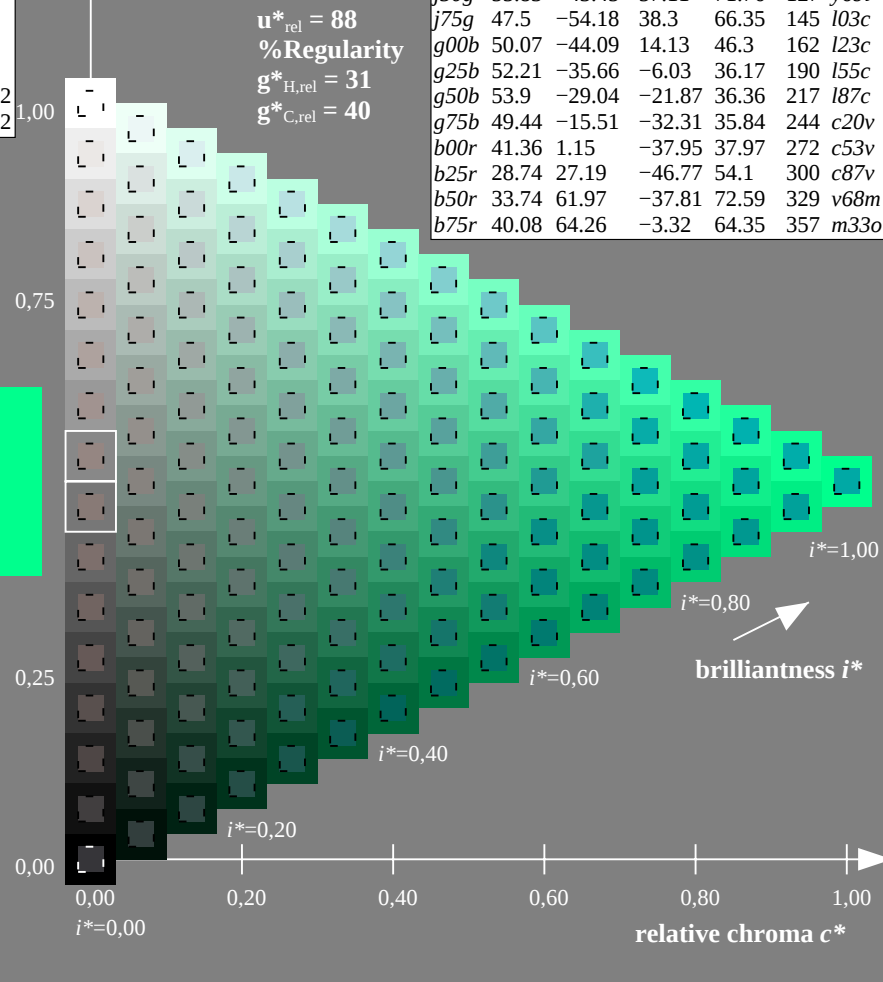
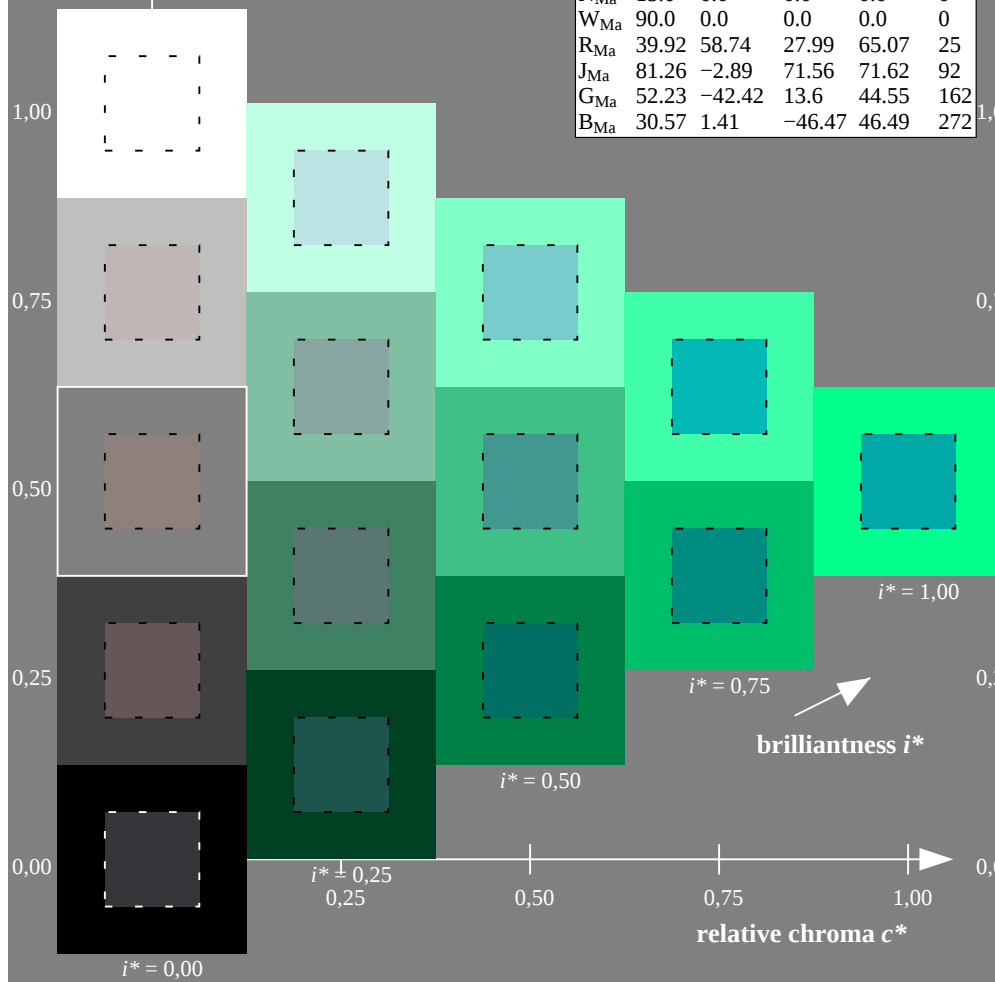
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

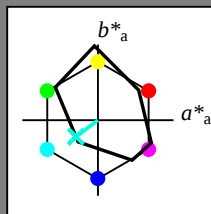
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

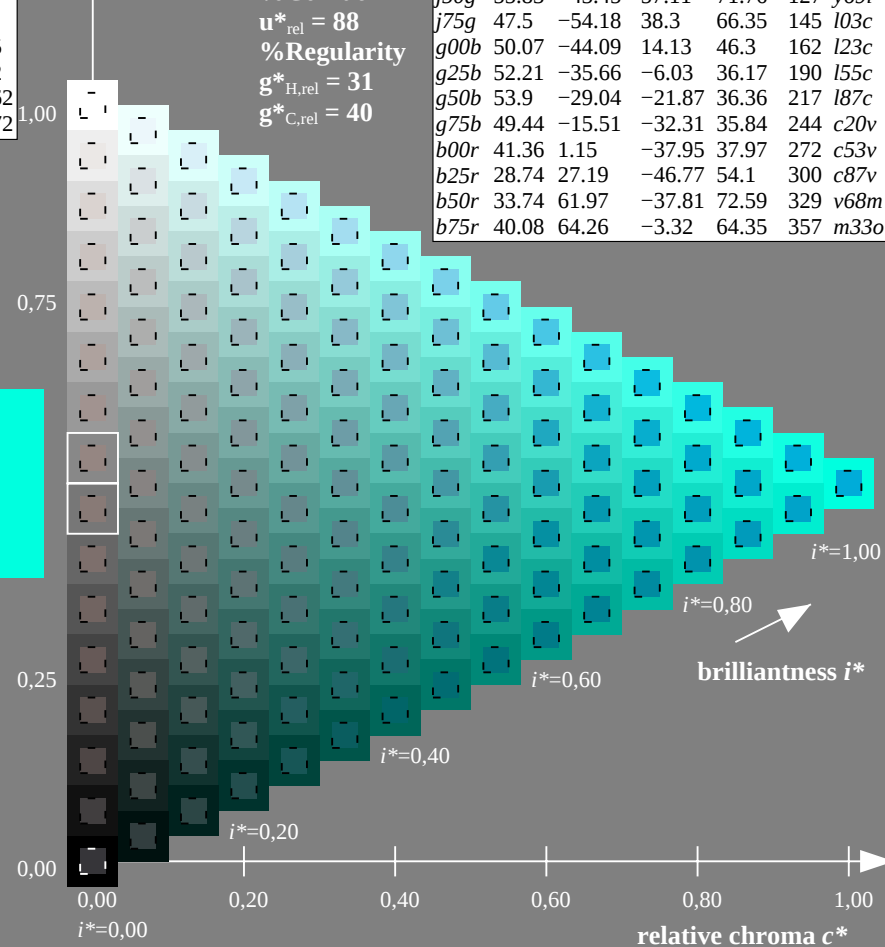
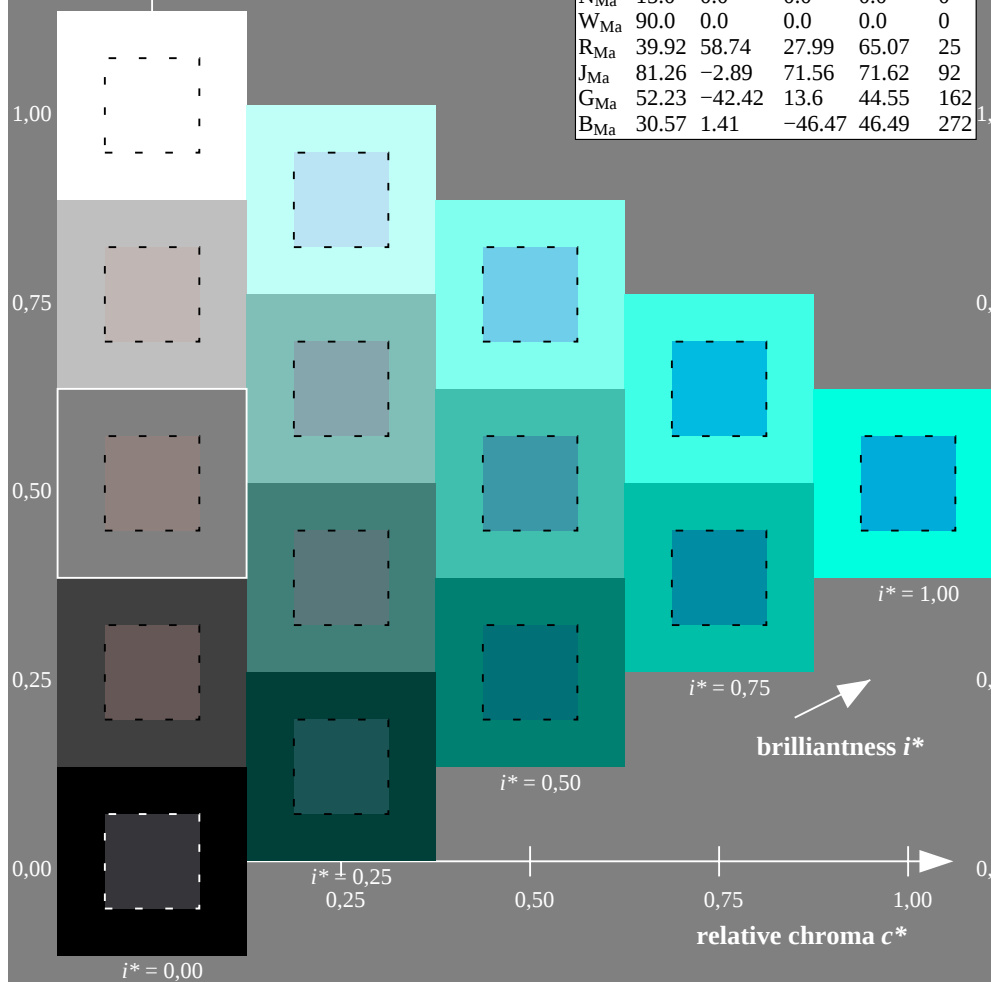
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:

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

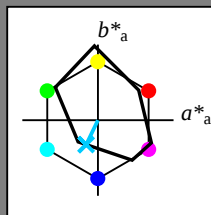
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

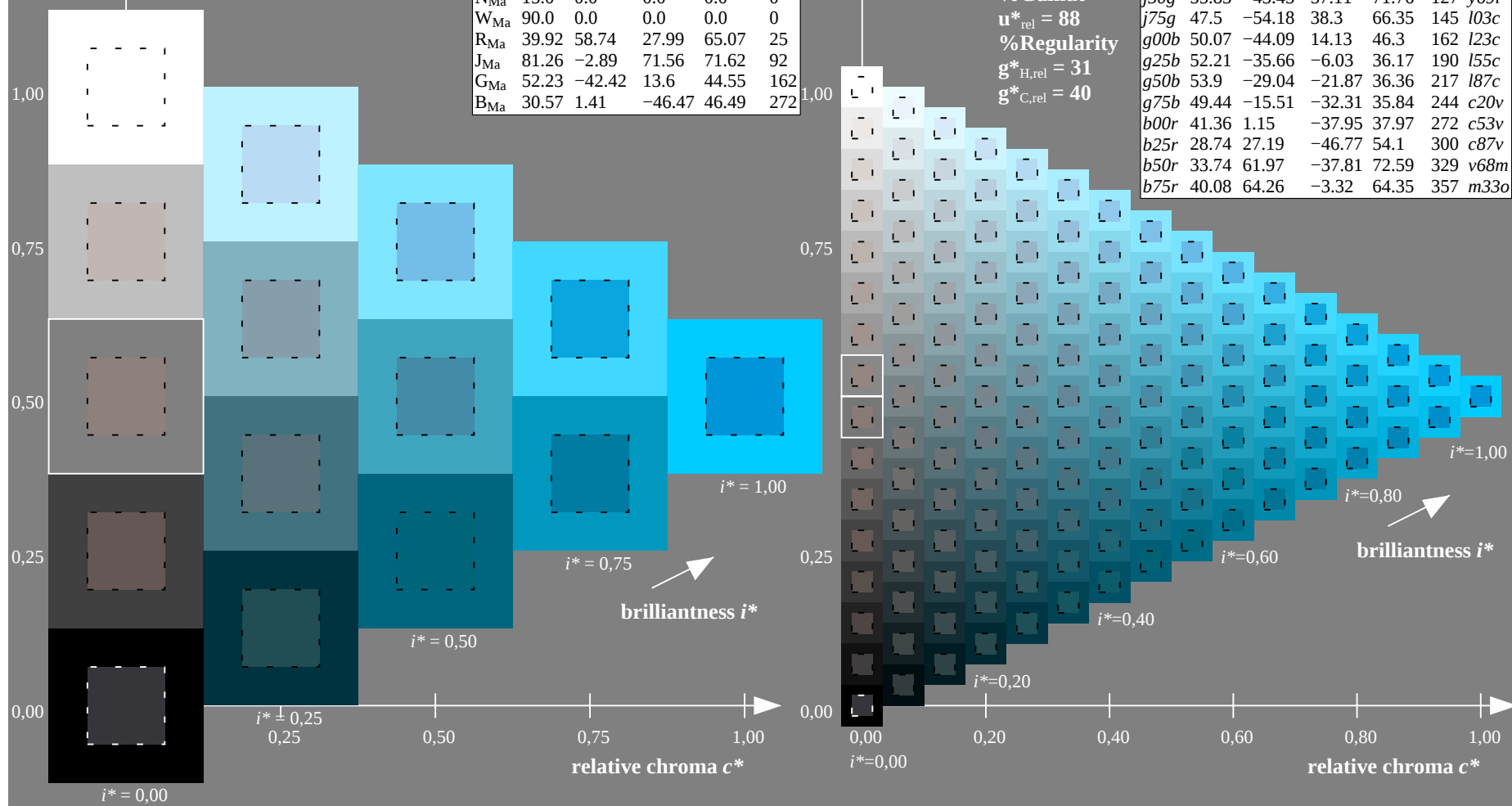
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

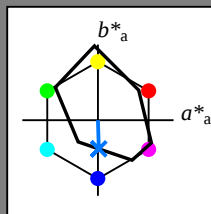
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

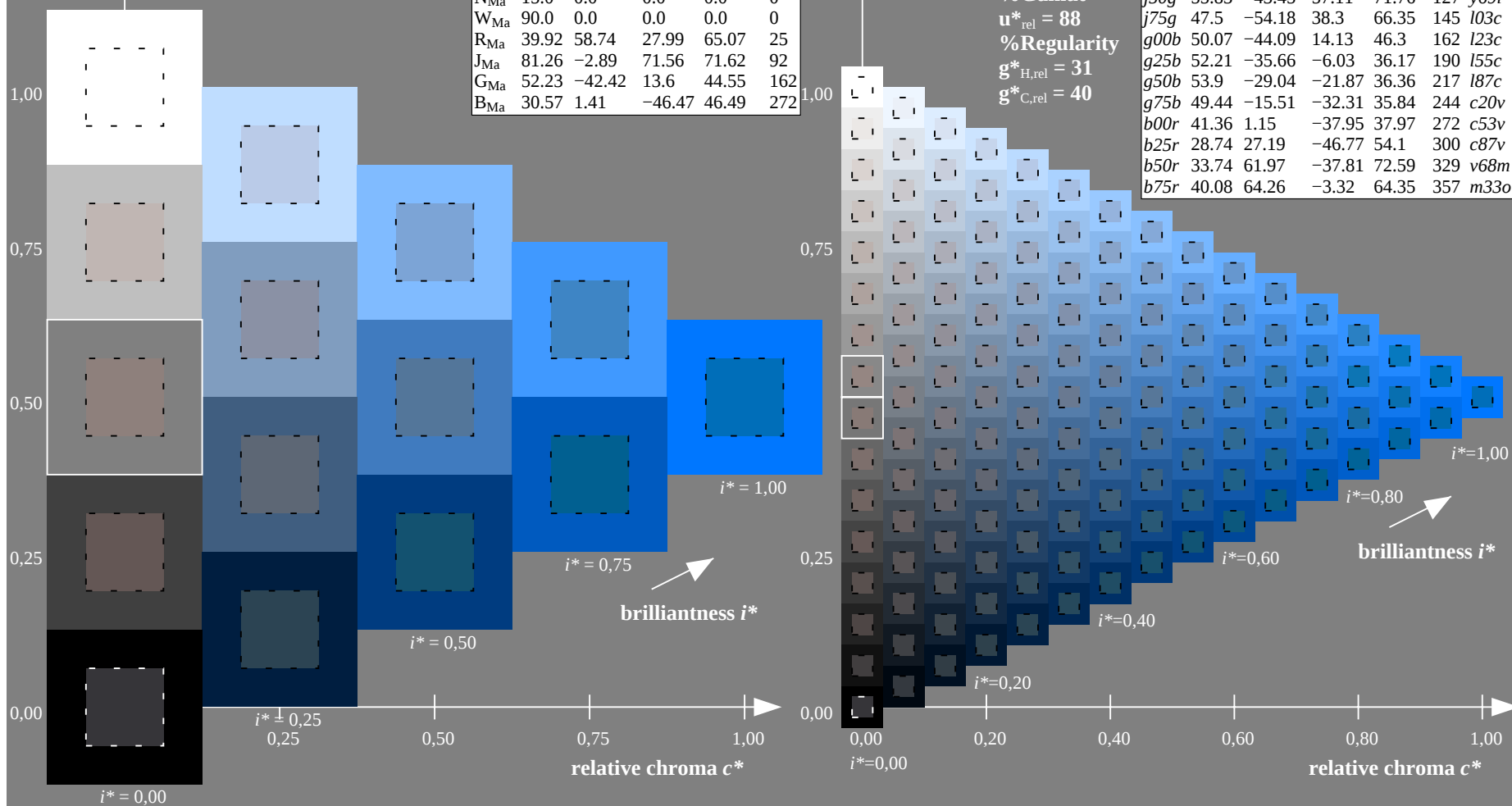
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

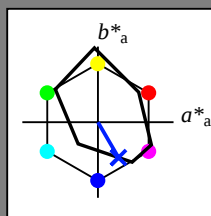
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 29 27 -47

LAB^*LCH^*Ma : 29 54 300

lab^*rgb^*Ma : 0.5 0.0 1.0

lab^*olv^*Ma : 0.0 0.12 1.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

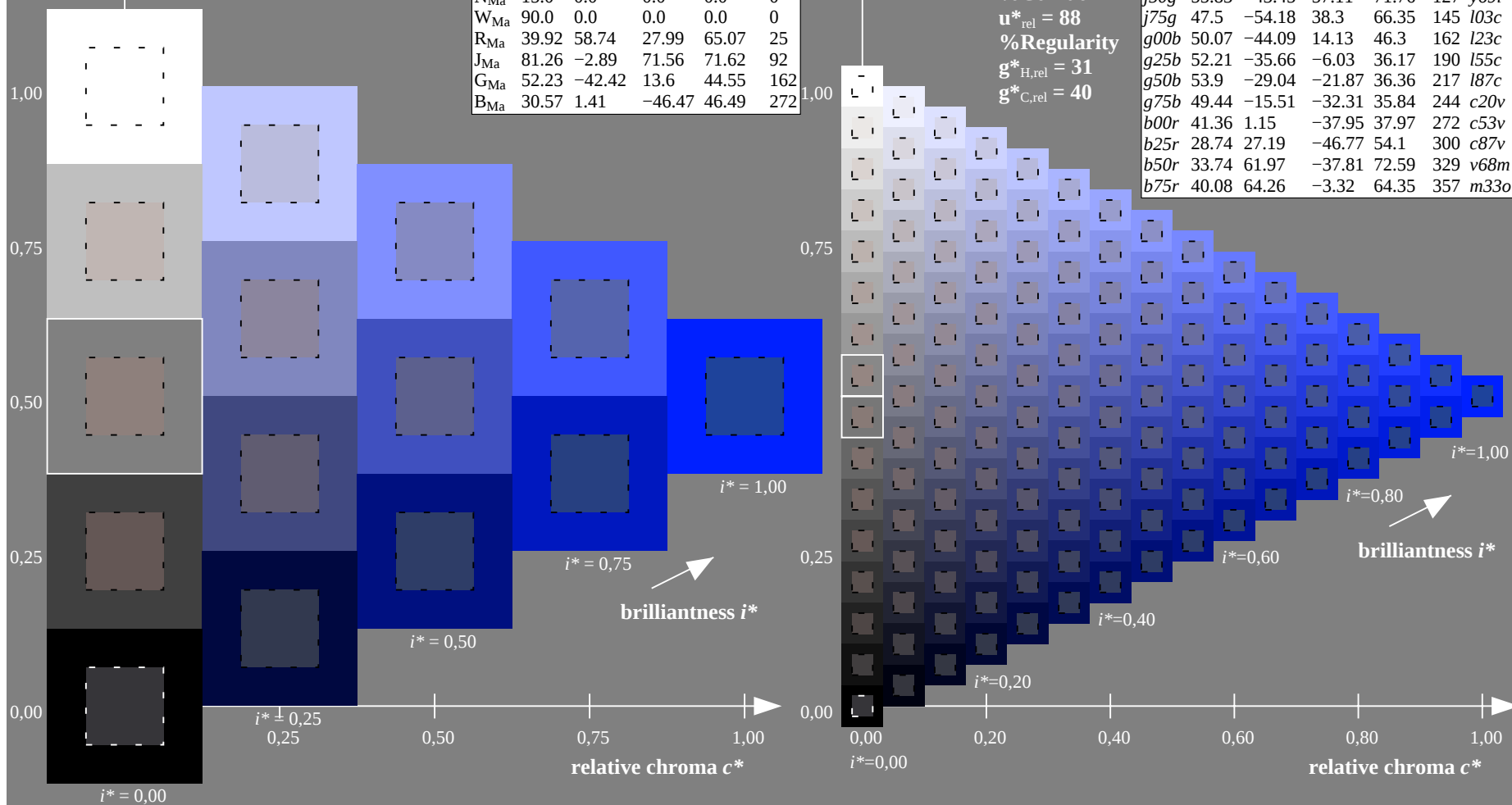
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

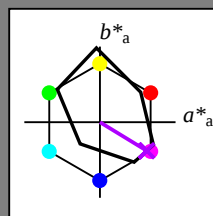
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

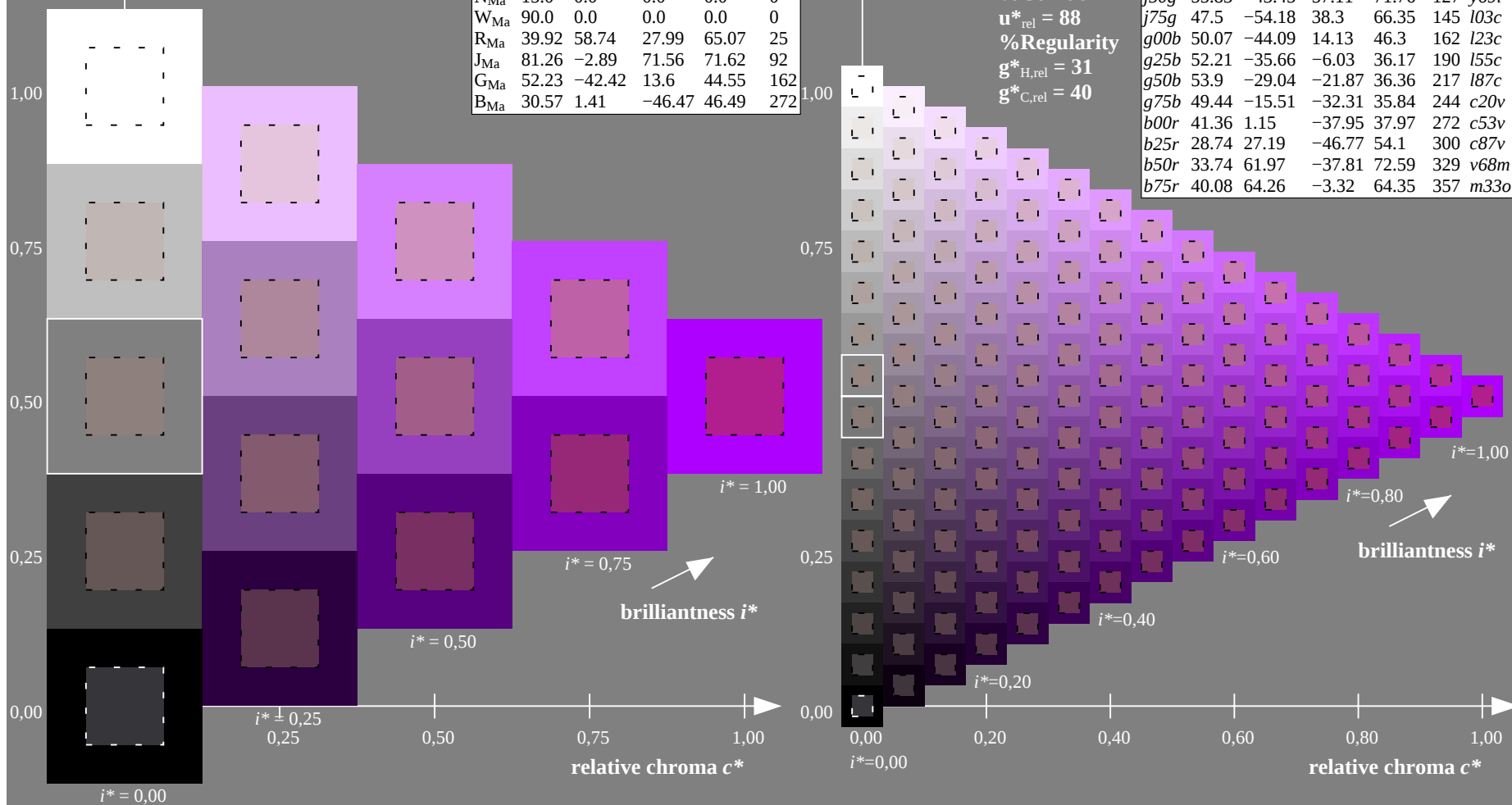
$u^*_{rel} = 88$

%Regularity

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

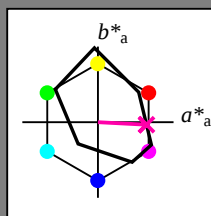
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	i03c	
g00b	50.07	-44.09	14.13	46.3	162	i23c	
g25b	52.21	-35.66	-6.03	36.17	190	i55c	
g50b	53.9	-29.04	-21.87	36.36	217	i87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m33o$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 40 64 -3

LAB^*LCH^*Ma : 40 64 357

lab^*rgb^*Ma : 1.0 0.0 0.5

lab^*olv^*Ma : 1.0 0.0 0.66

triangle lightness t^*

%Gamut

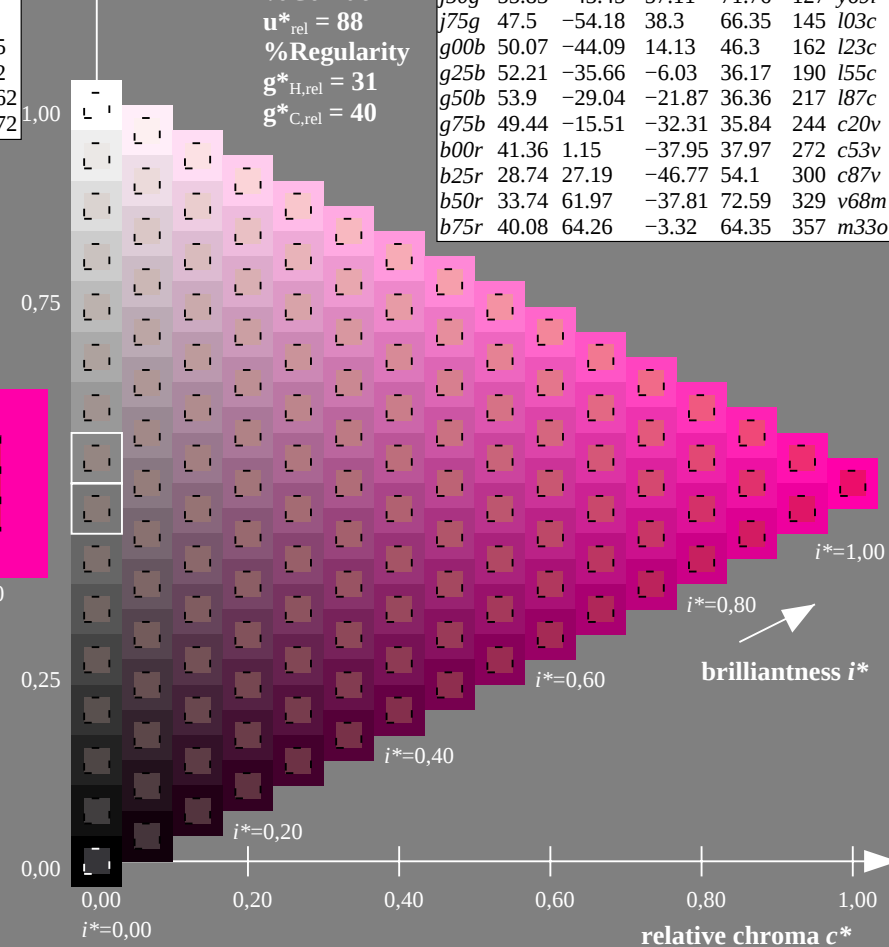
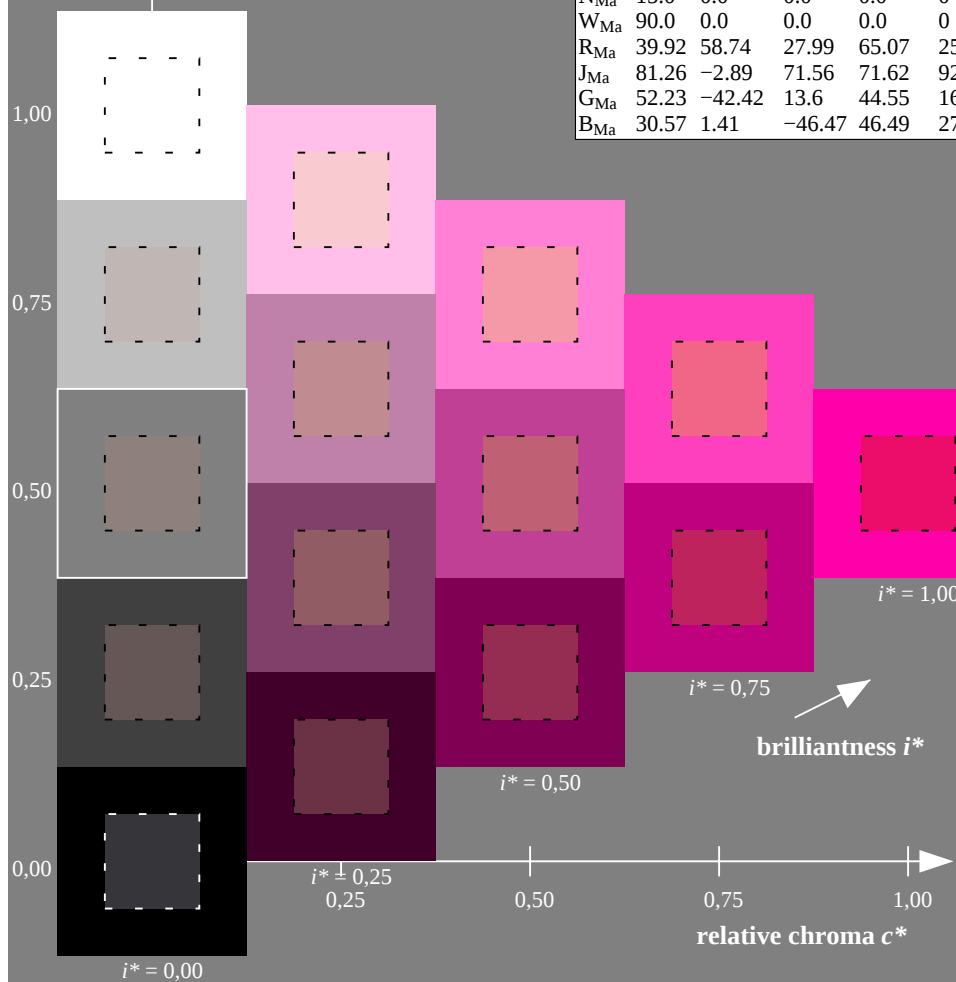
$u_{rel}^* = 88$

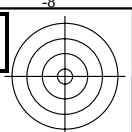
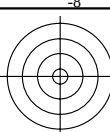
%Regularity

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

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

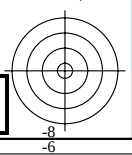
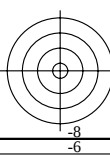
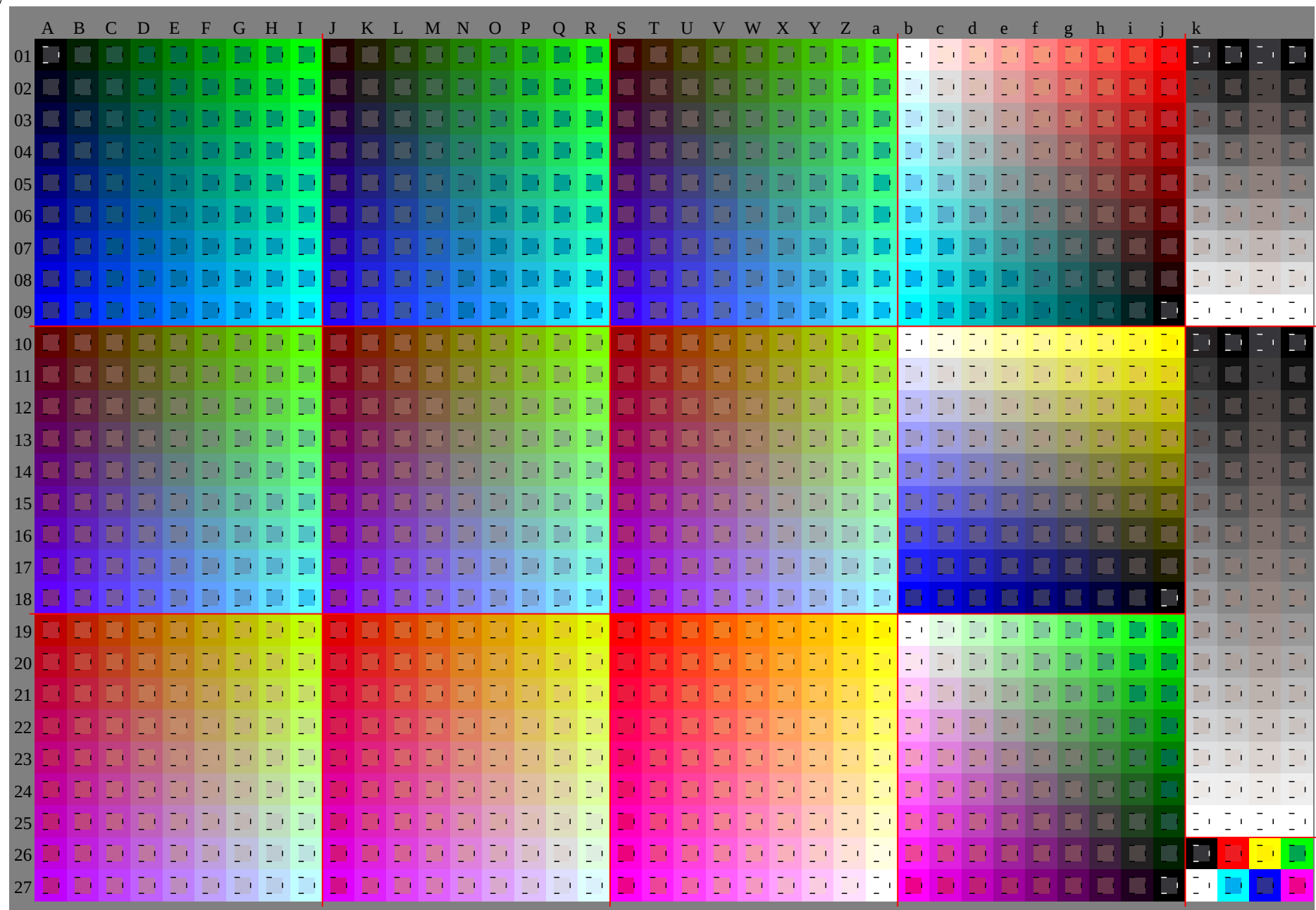
FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o





See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/.HTM
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

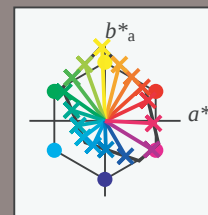


Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

u_e^* and number *no.* = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
<i>r00j</i>	39.18	56.94	27.13	63.07	25	<i>m81o</i>
<i>r25j</i>	42.41	49.1	44.5	66.26	42	<i>o10y</i>
<i>r50j</i>	52.78	35.22	58.37	68.17	59	<i>o40y</i>
<i>r75j</i>	64.82	19.12	74.47	76.89	76	<i>o69y</i>
<i>j00g</i>	82.06	-3.94	97.52	97.6	92	<i>o98y</i>
<i>j25g</i>	67.26	-26.87	74.67	79.36	110	<i>y34l</i>
<i>j50g</i>	55.83	-43.45	57.11	71.76	127	<i>y69l</i>
<i>j75g</i>	47.5	-54.18	38.3	66.35	145	<i>l03c</i>
<i>g00b</i>	50.07	-44.09	14.13	46.3	162	<i>l23c</i>
<i>g25b</i>	52.21	-35.66	-6.03	36.17	190	<i>l55c</i>
<i>g50b</i>	53.9	-29.04	-21.87	36.36	217	<i>l87c</i>
<i>g75b</i>	49.44	-15.51	-32.31	35.84	244	<i>c20v</i>
<i>b00r</i>	41.36	1.15	-37.95	37.97	272	<i>c53v</i>
<i>b25r</i>	28.74	27.19	-46.77	54.1	300	<i>c87v</i>
<i>b50r</i>	33.74	61.97	-37.81	72.59	329	<i>v68m</i>
<i>b75r</i>	40.08	64.26	-3.32	64.35	357	<i>m33o</i>



%Gamut

$u_{rel}^* = 88$

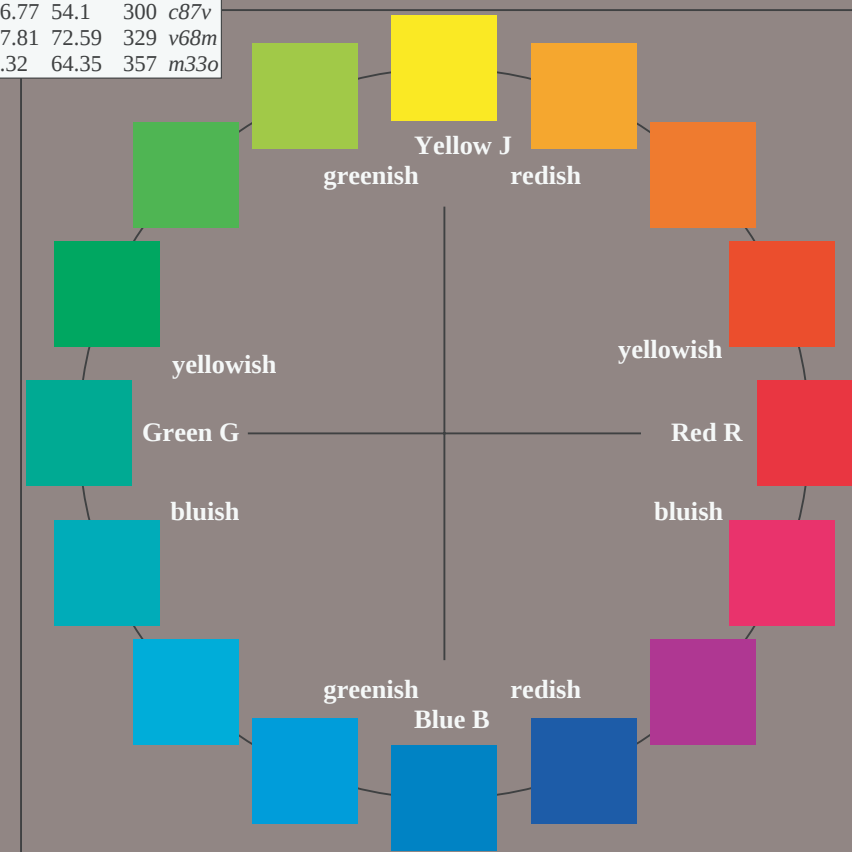
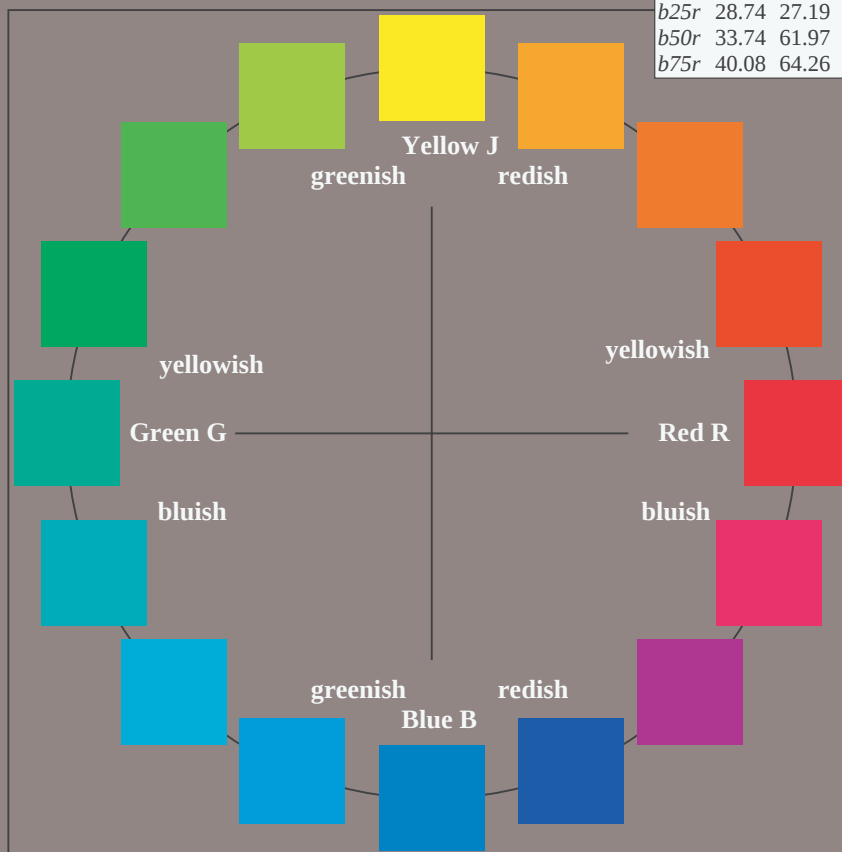
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

Name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

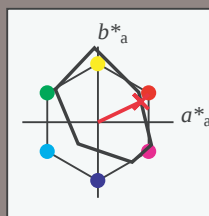
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

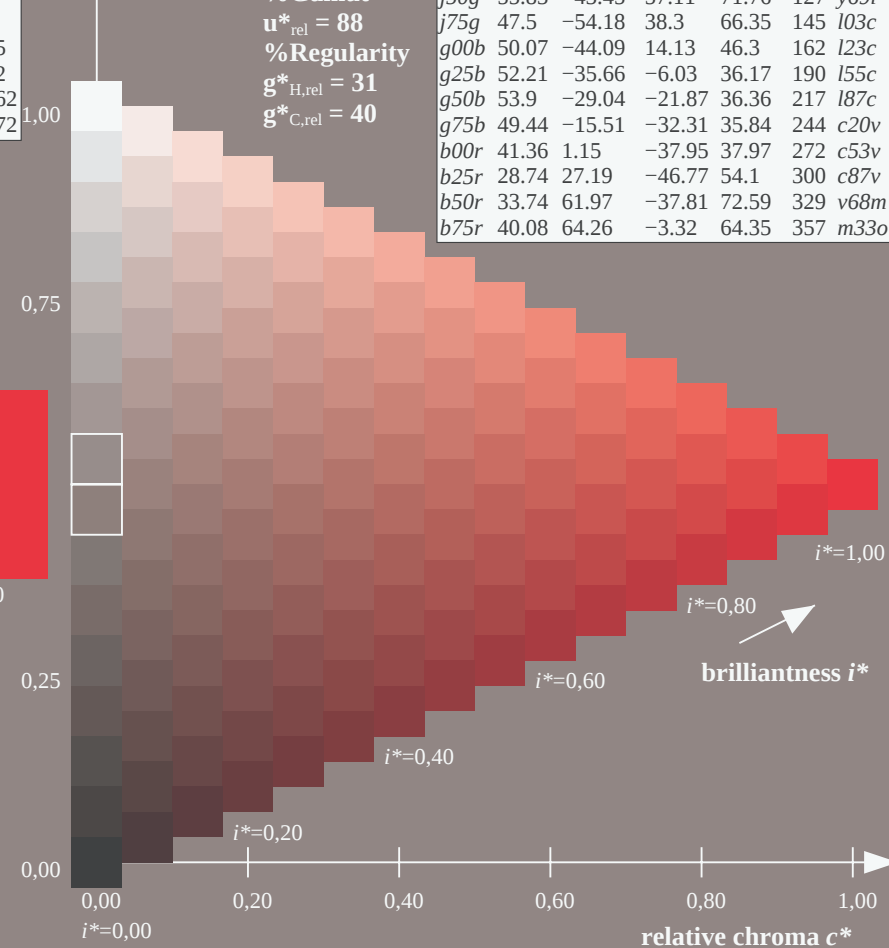
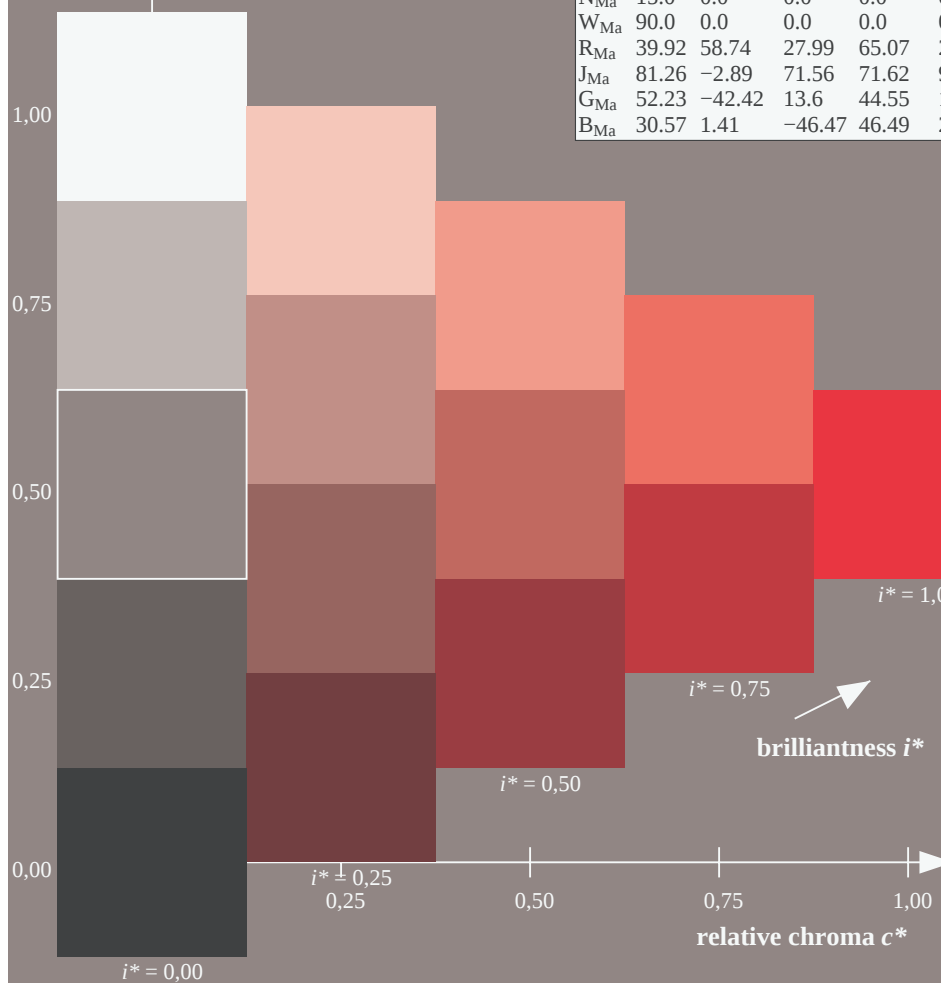
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

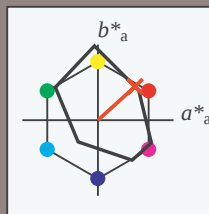
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

%Gamut

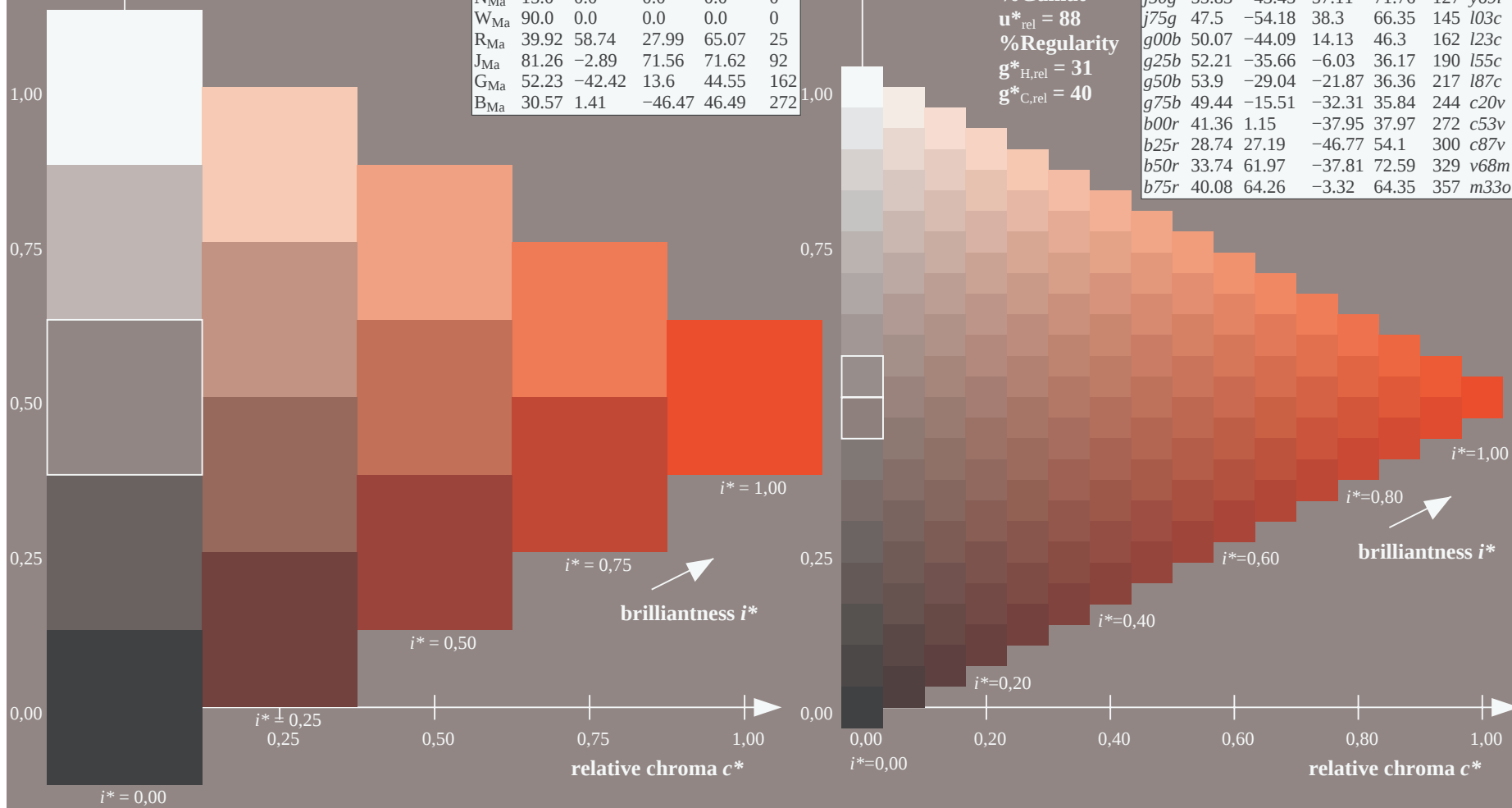
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

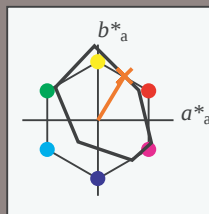
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

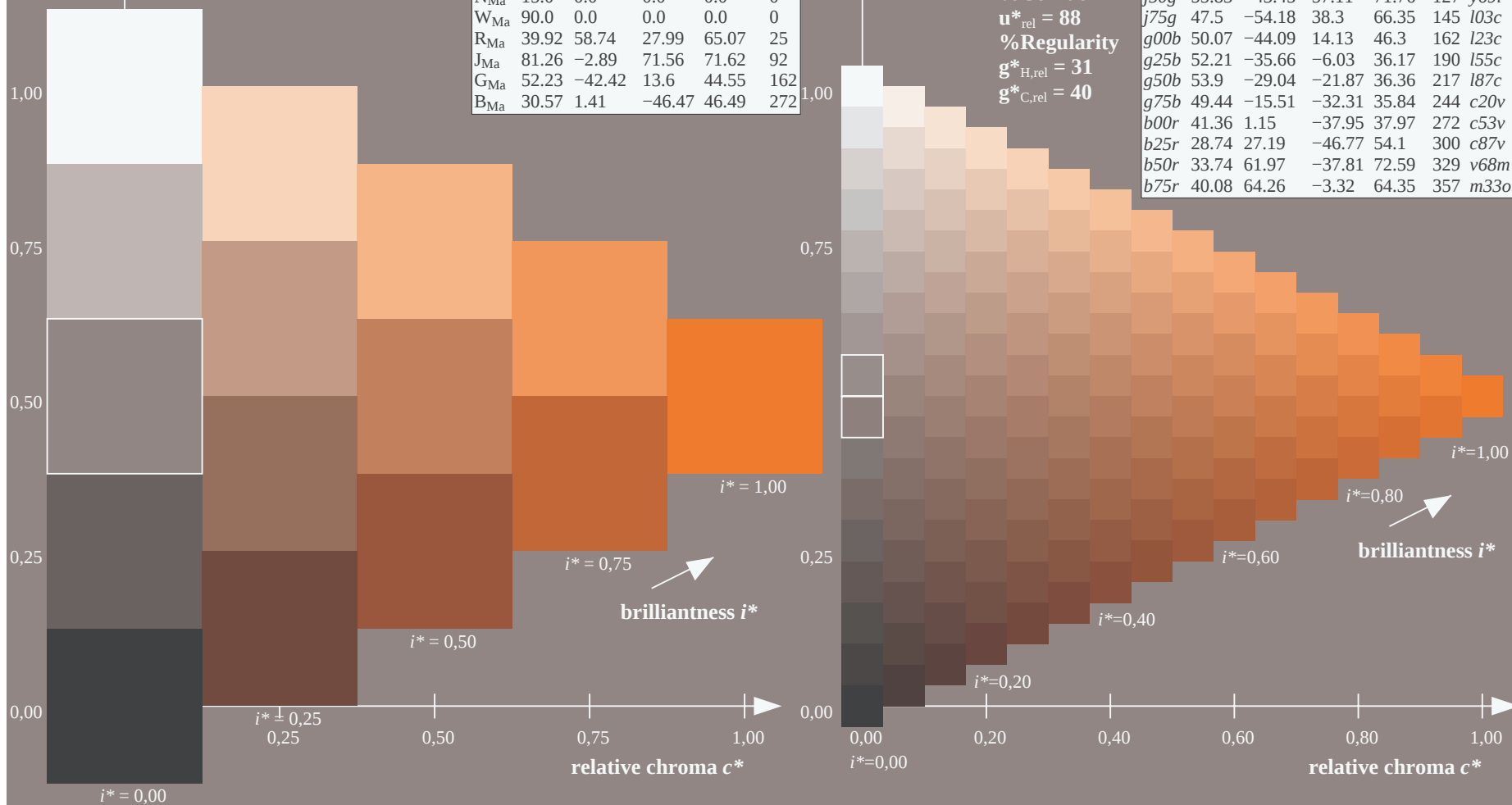
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

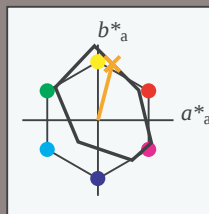
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

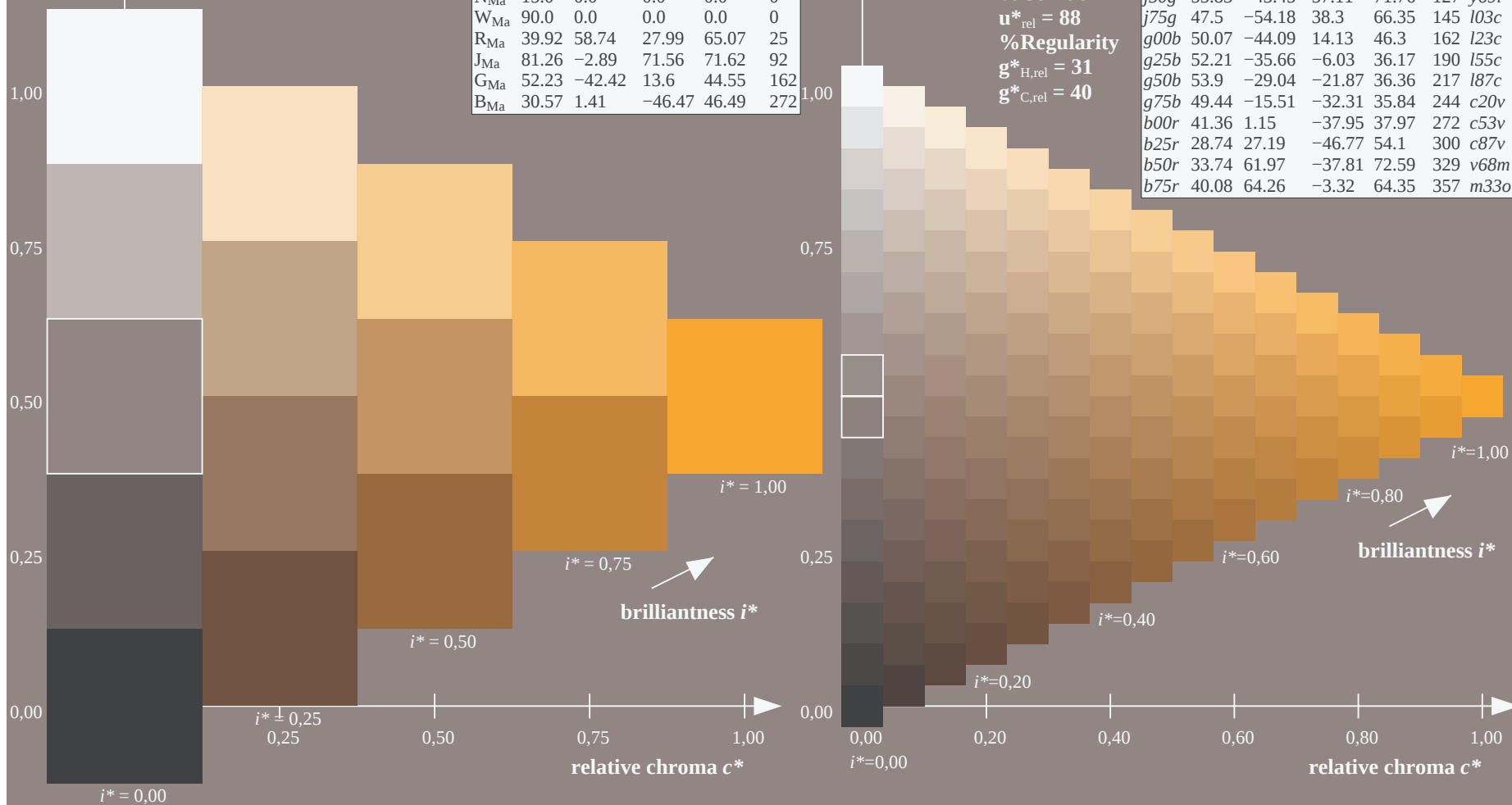
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

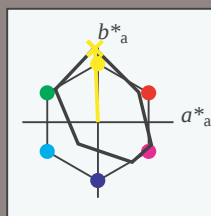
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

%Gamut

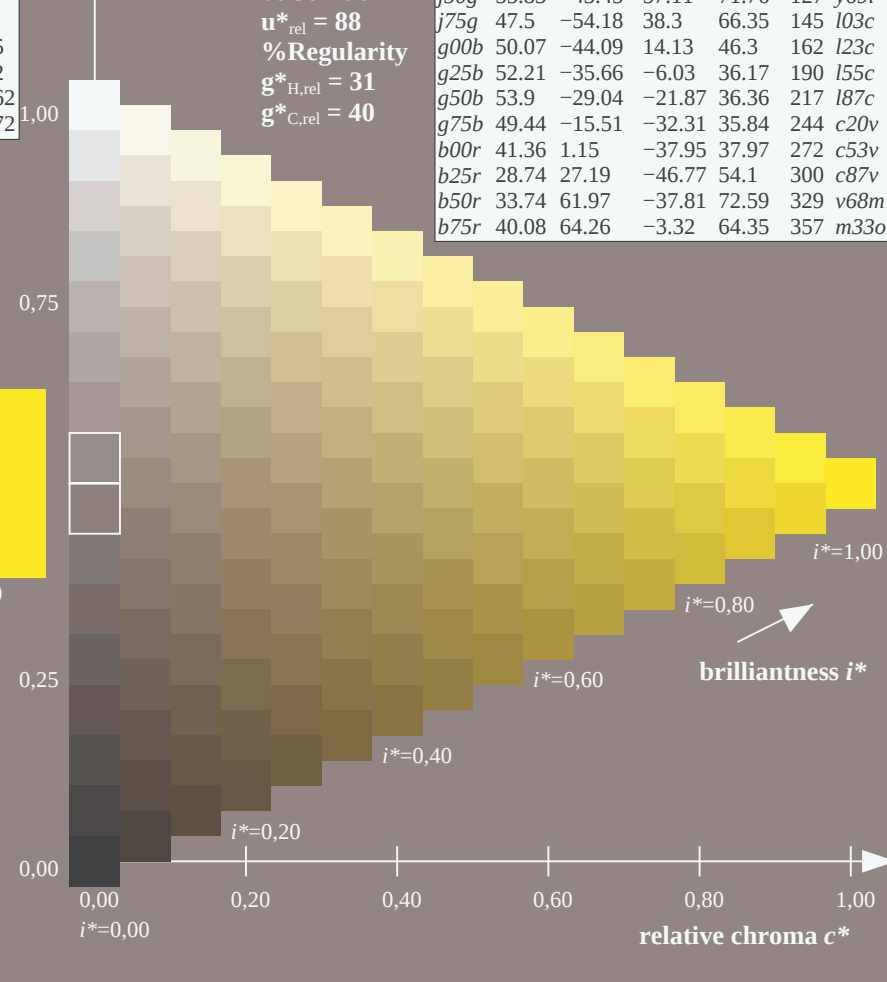
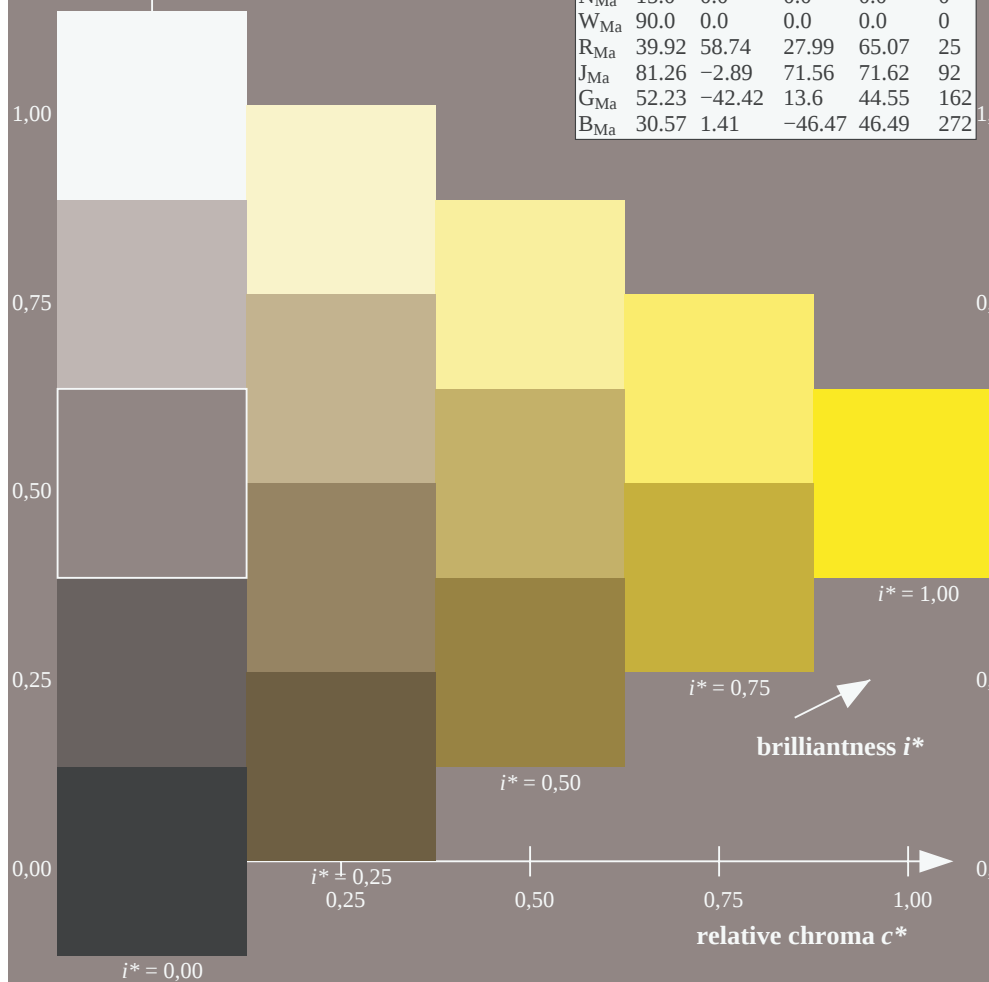
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

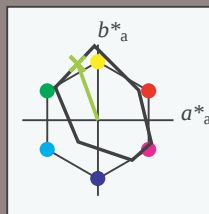
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

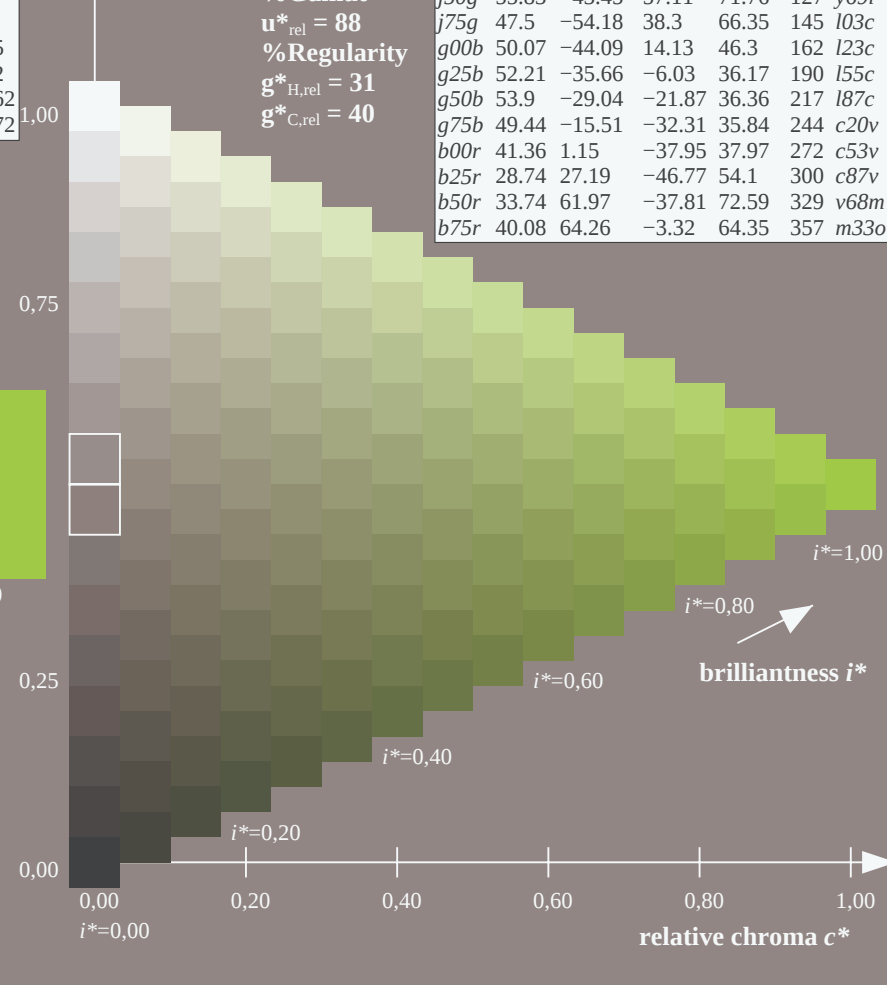
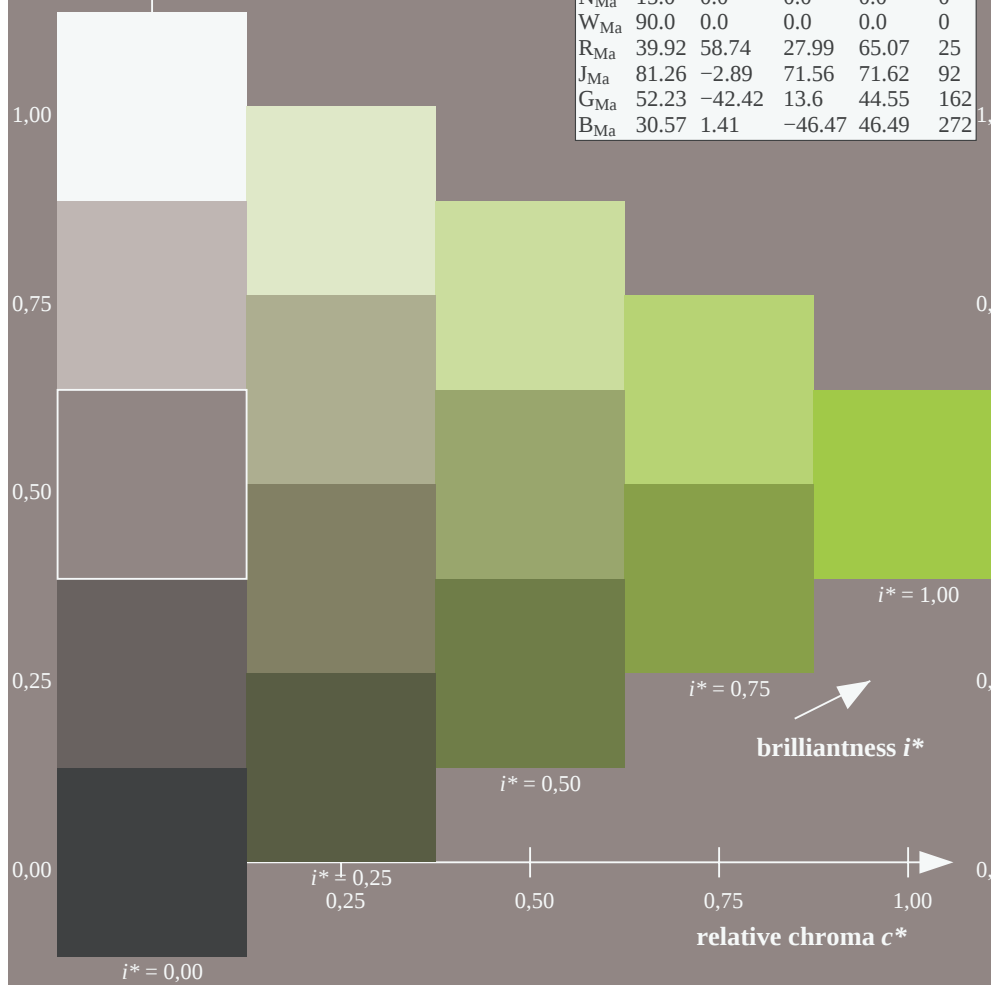
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

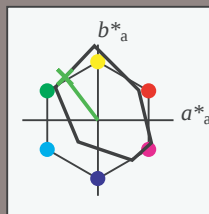
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

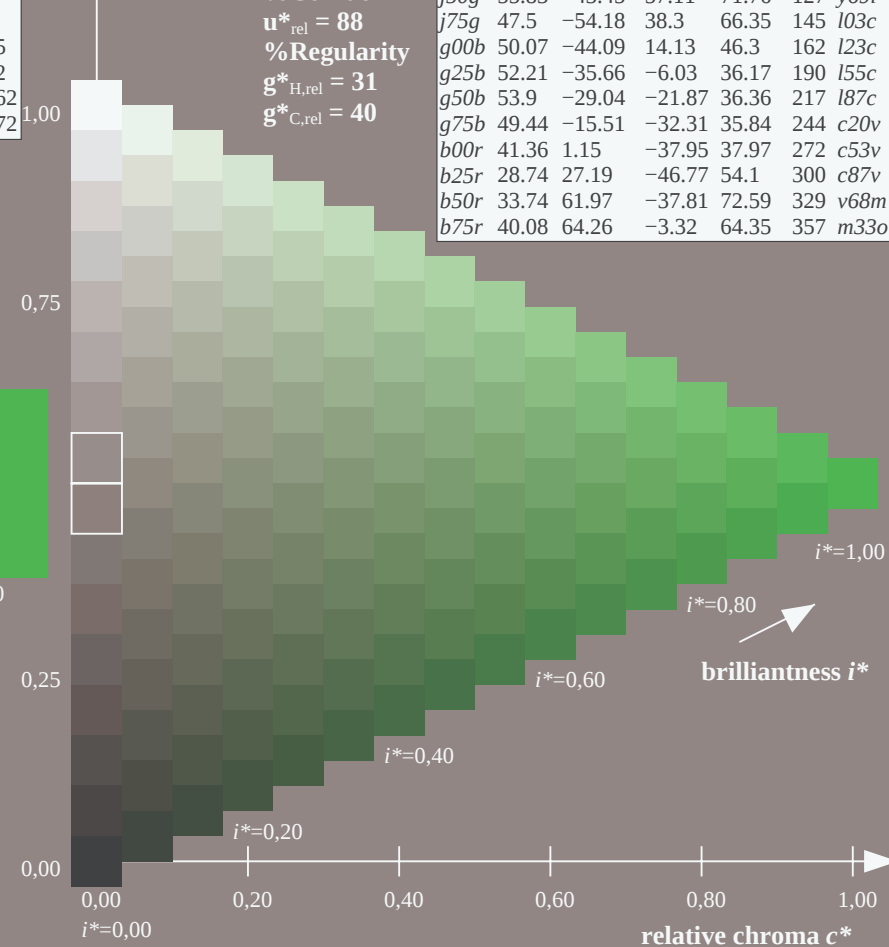
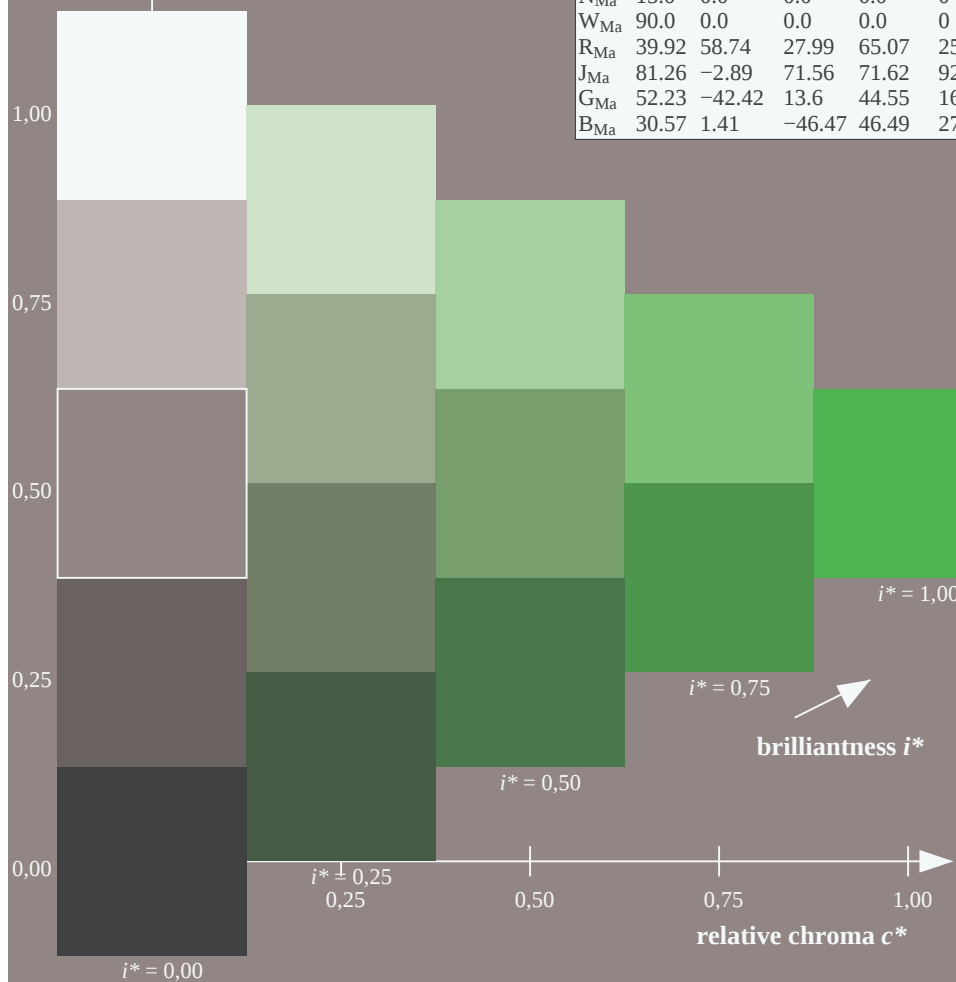
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

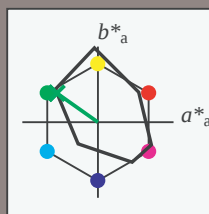
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

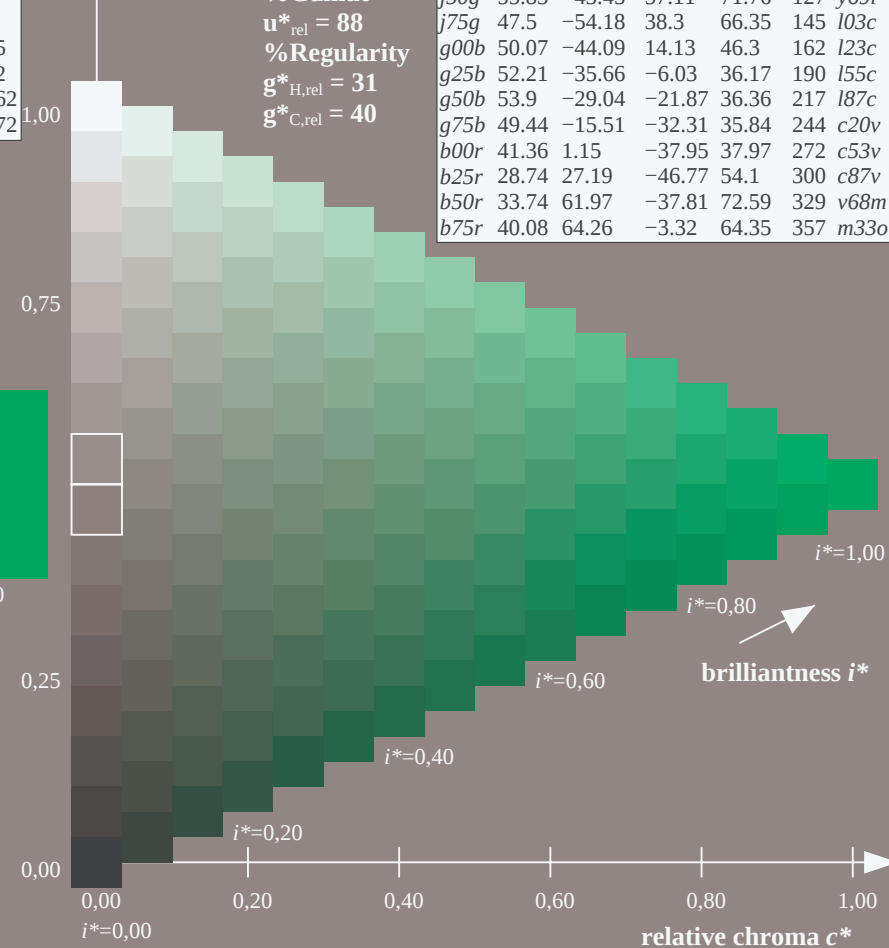
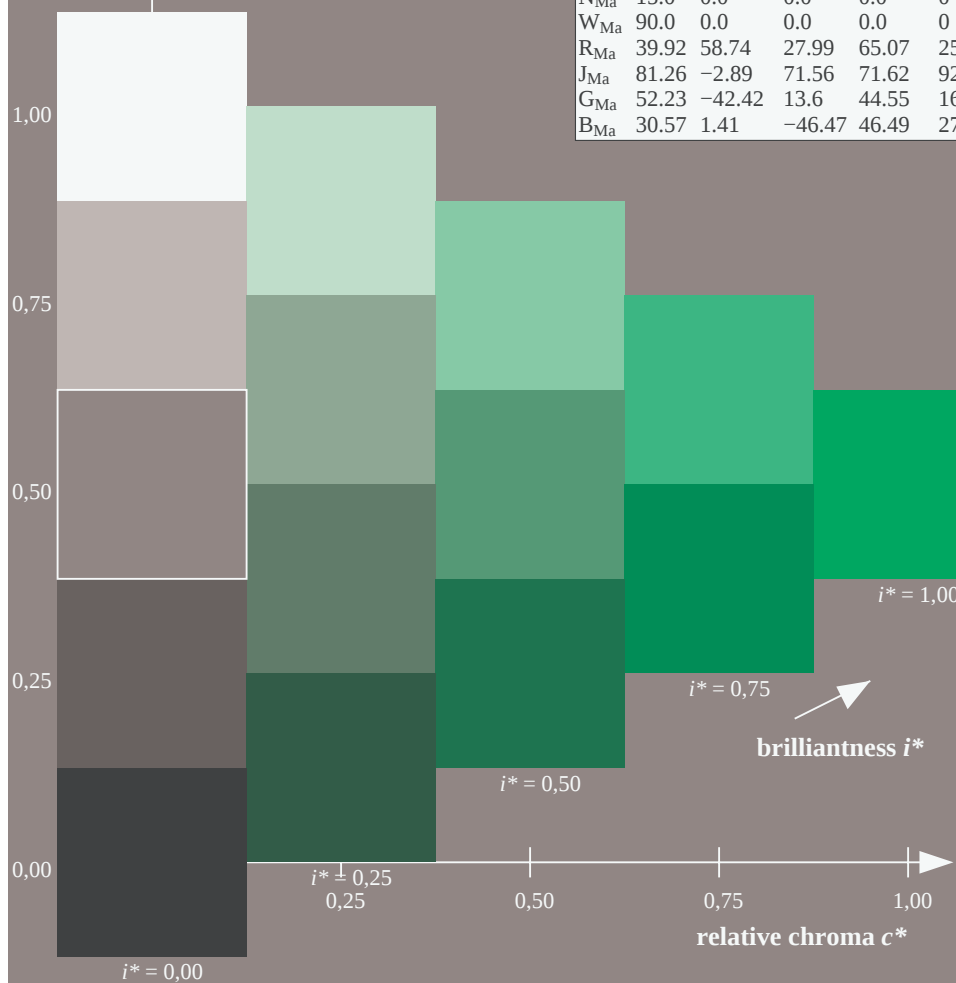
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	i03c	
g00b	50.07	-44.09	14.13	46.3	162	i23c	
g25b	52.21	-35.66	-6.03	36.17	190	i55c	
g50b	53.9	-29.04	-21.87	36.36	217	i87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

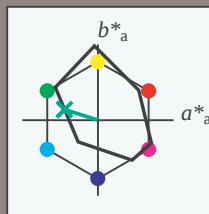
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

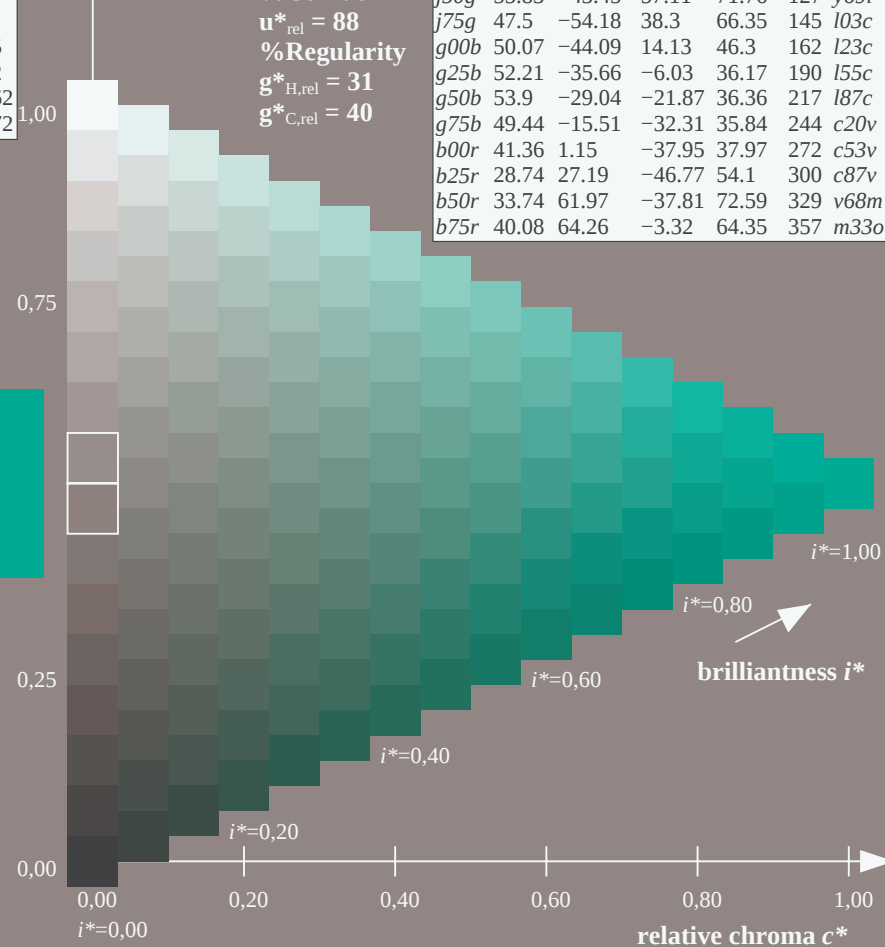
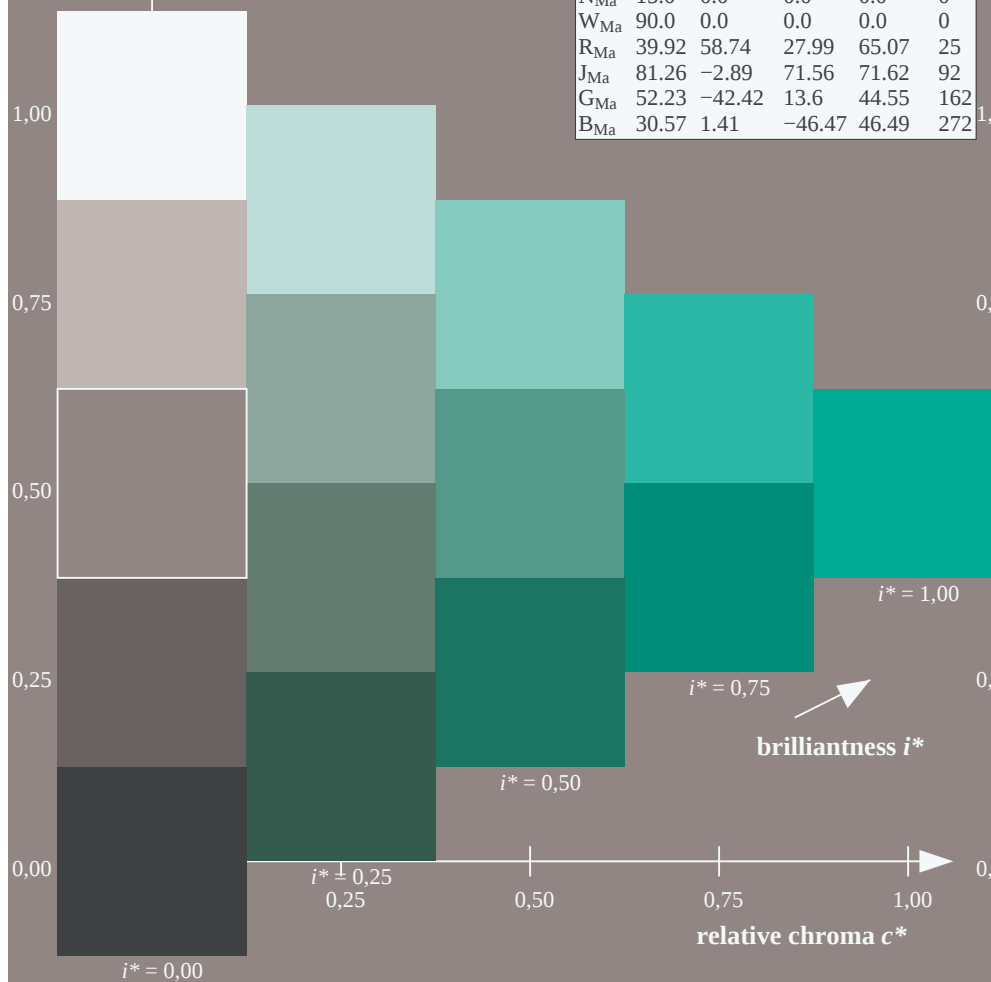
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

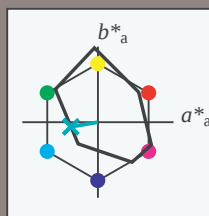
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

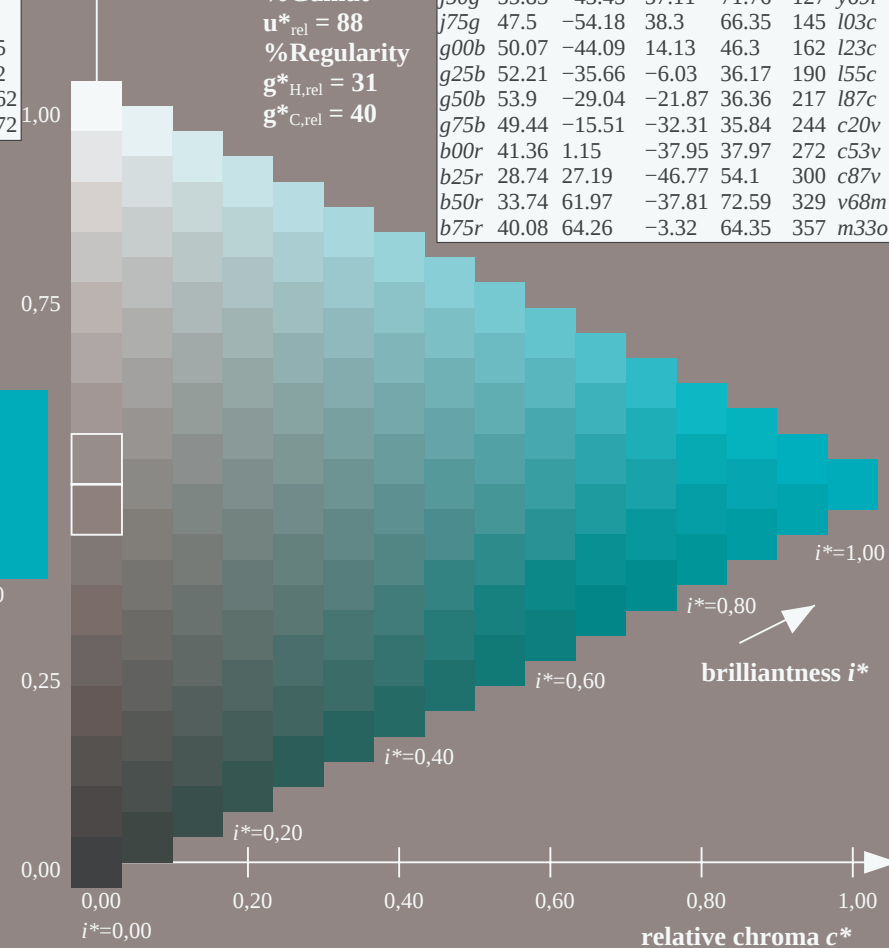
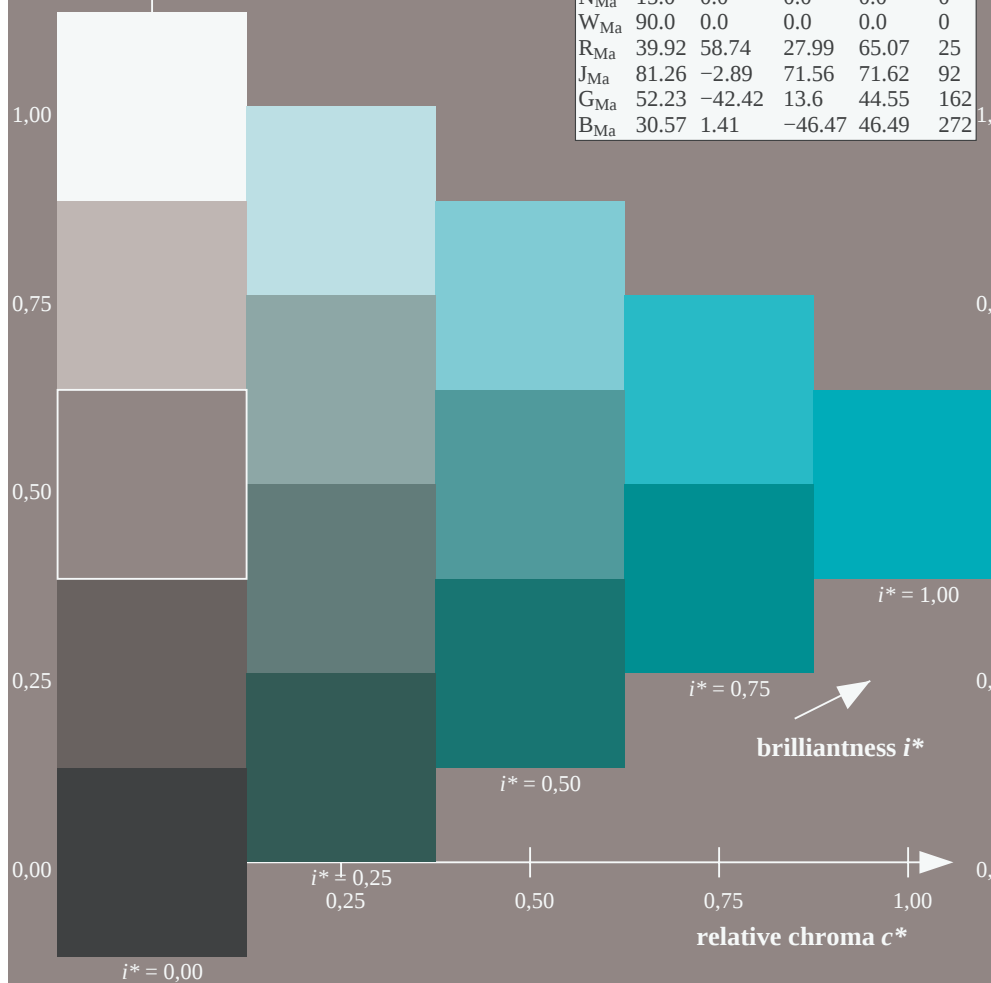
%Regularity

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

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

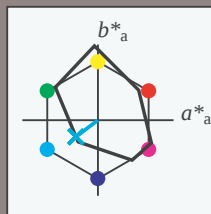
FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

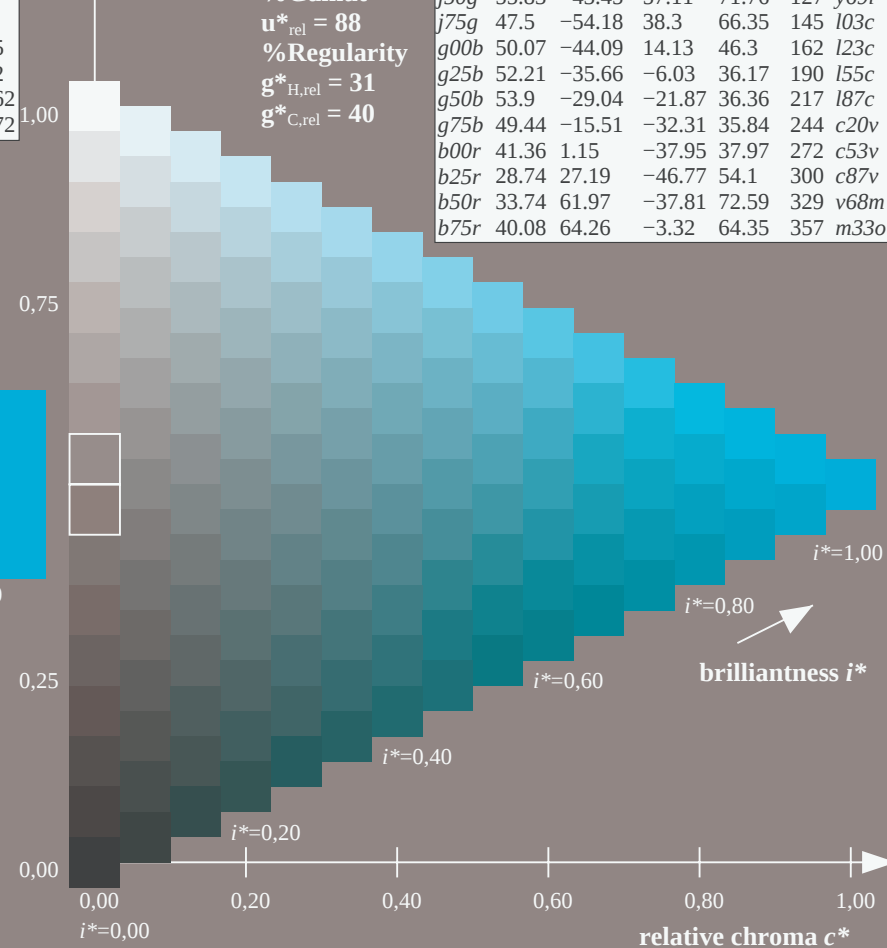
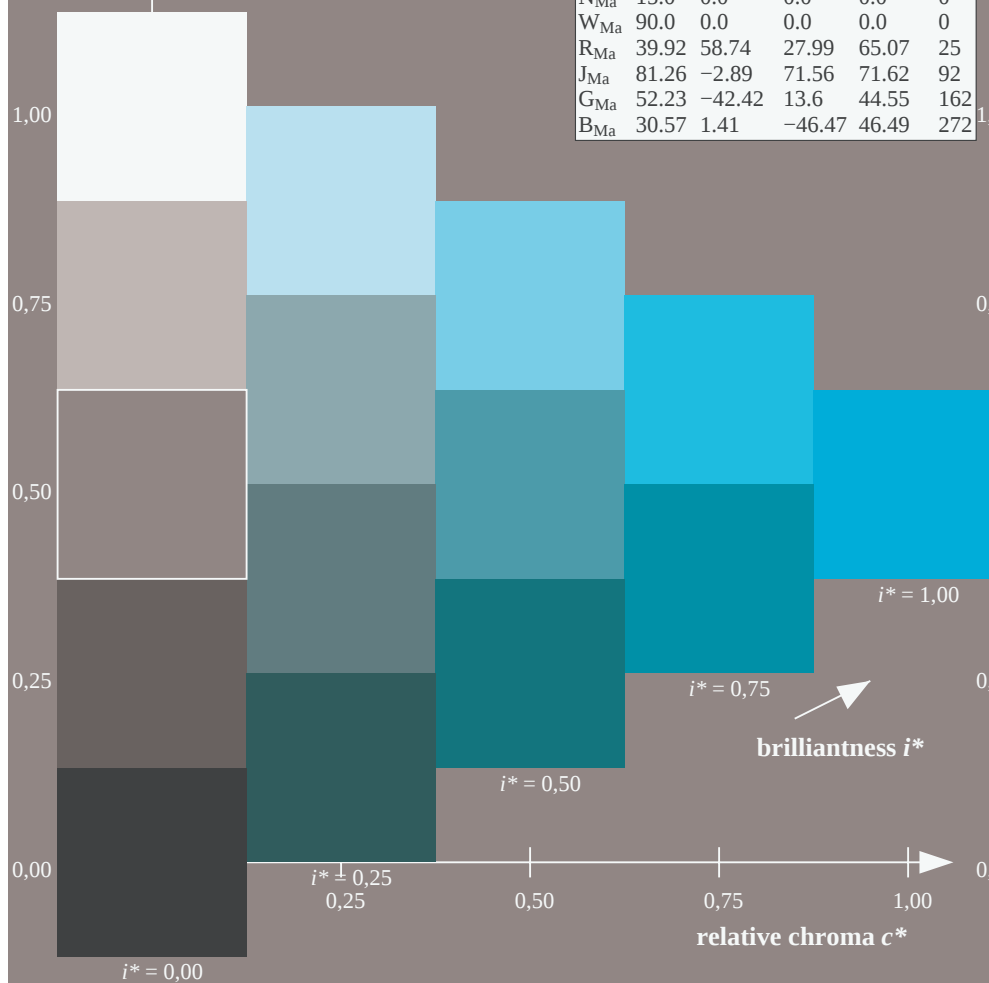
$u^*_{rel} = 88$

%Regularity

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

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

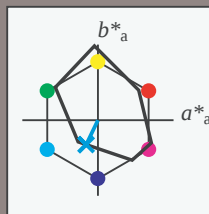
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

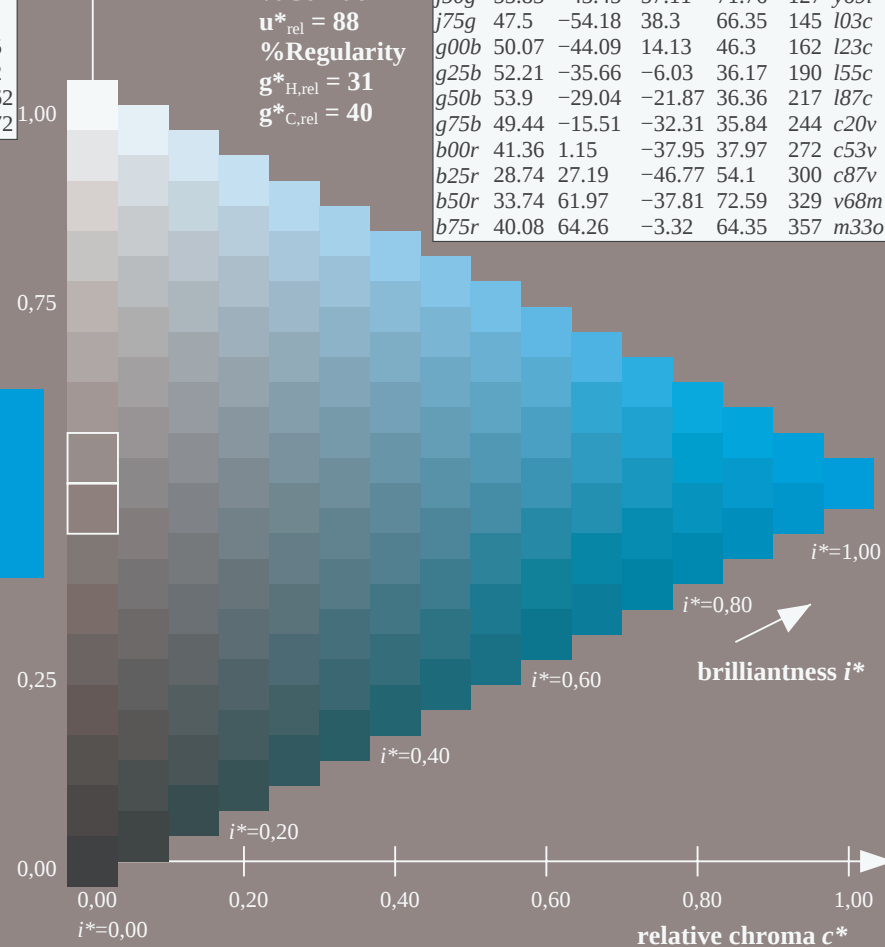
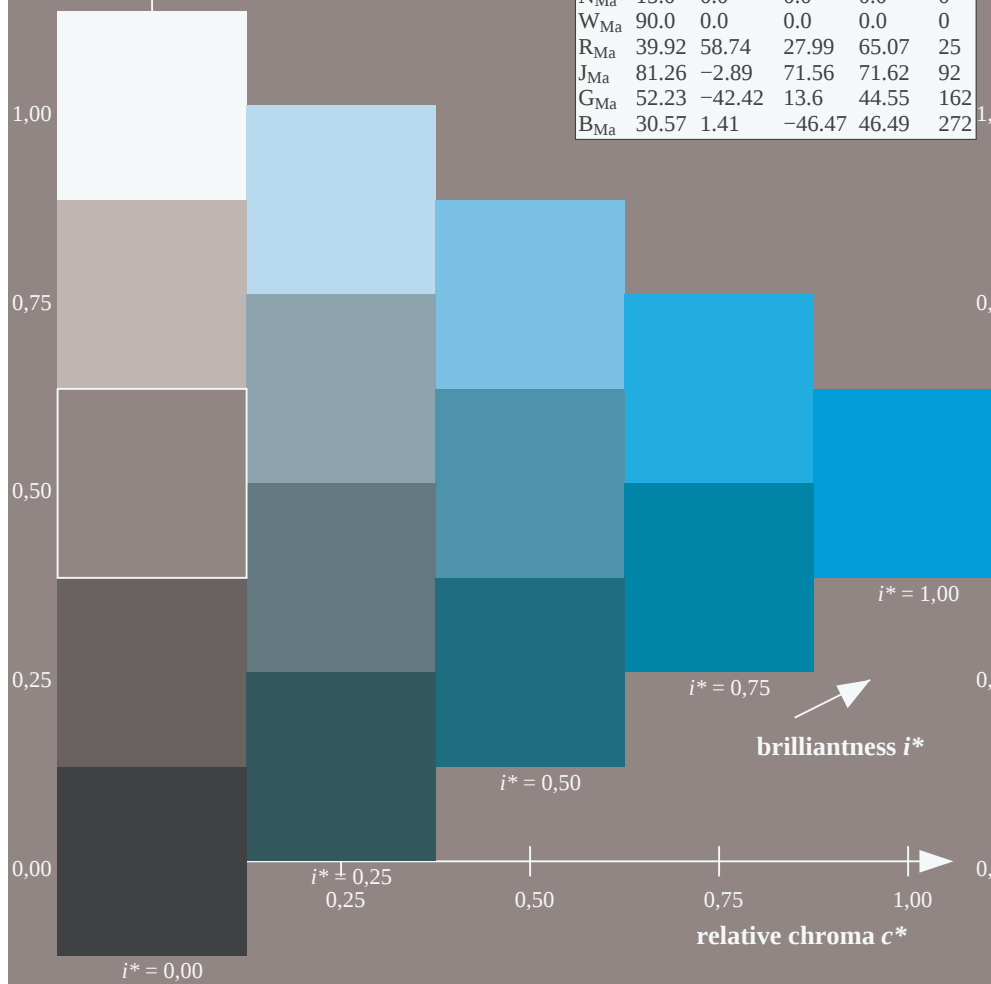
$u^*_{rel} = 88$

%Regularity

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

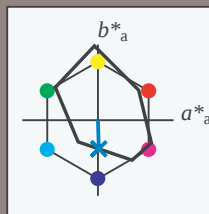
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

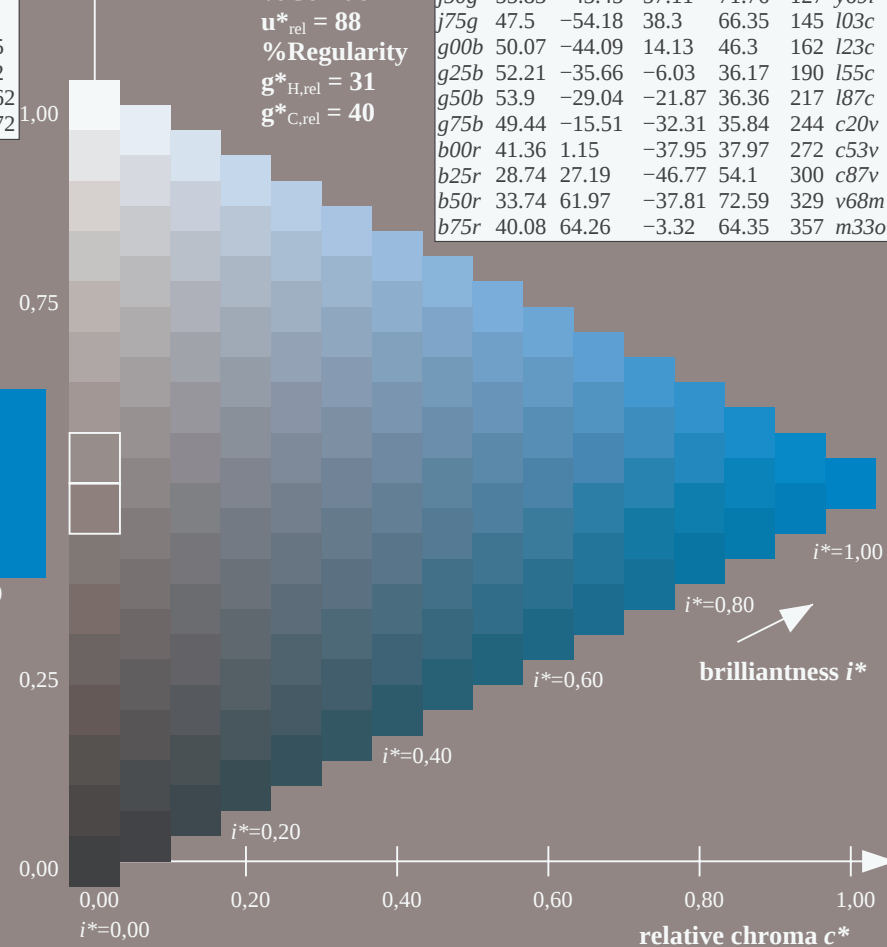
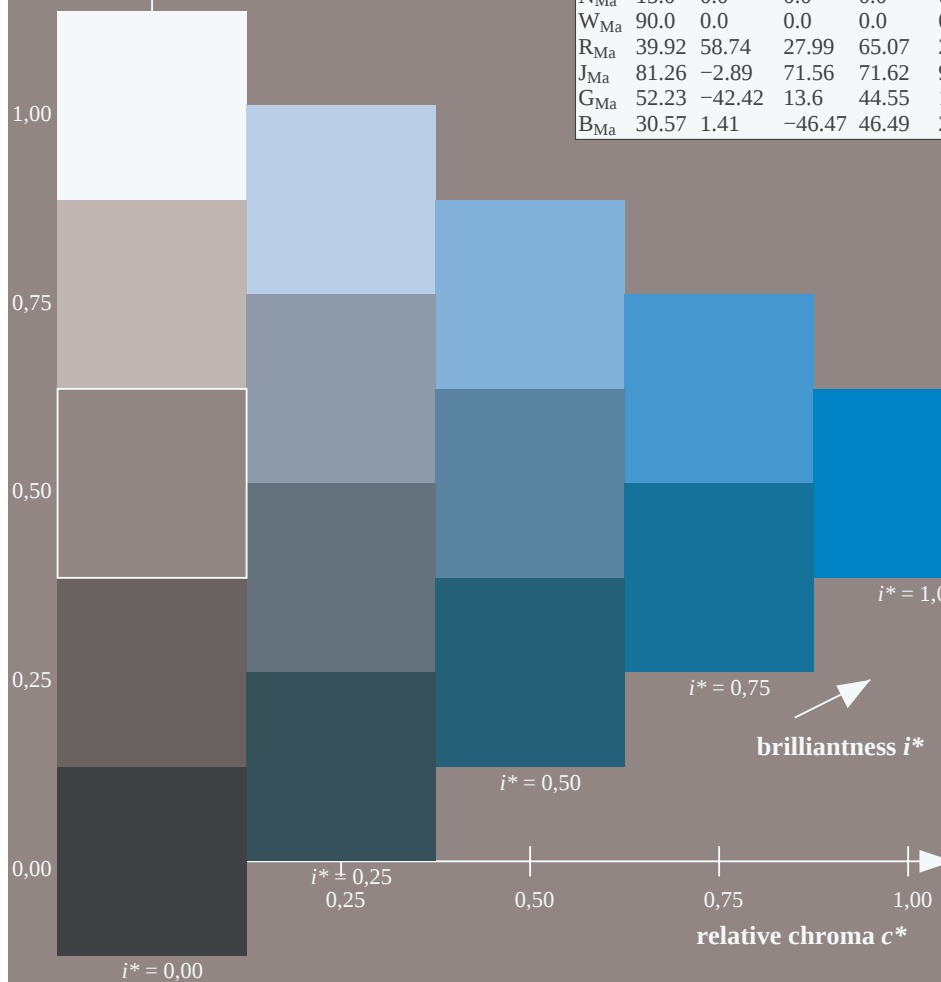
$u_{rel}^* = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

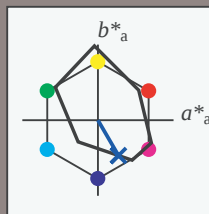
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

%Gamut

$u_{rel}^* = 88$

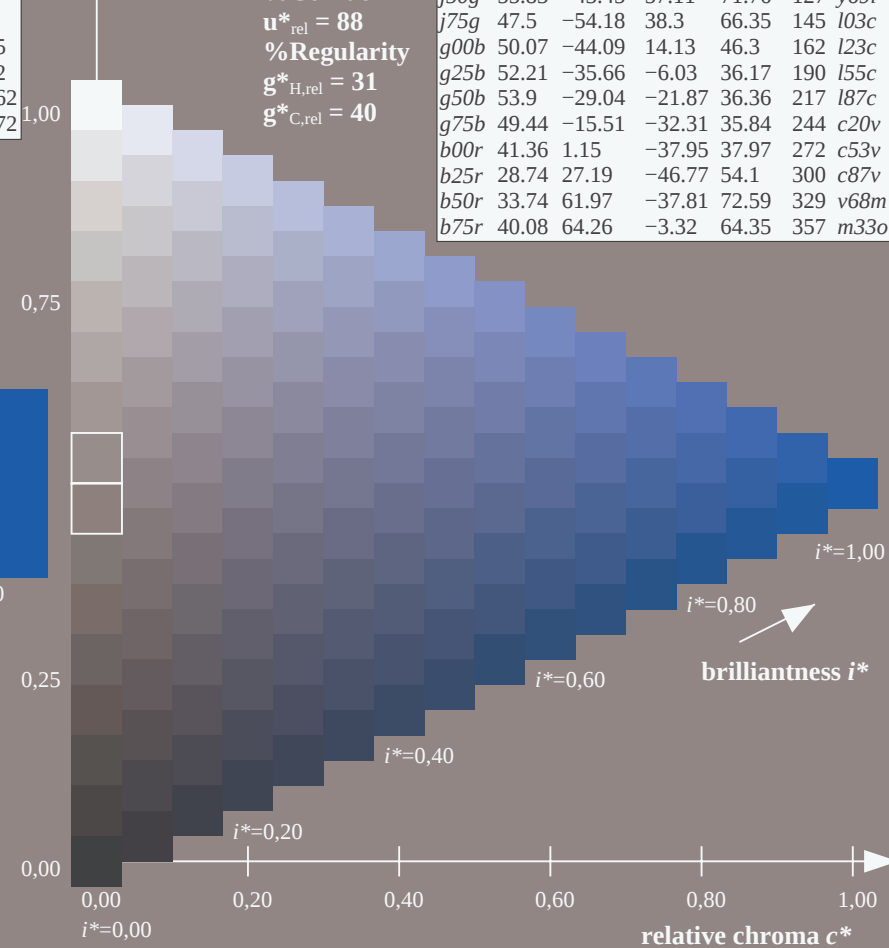
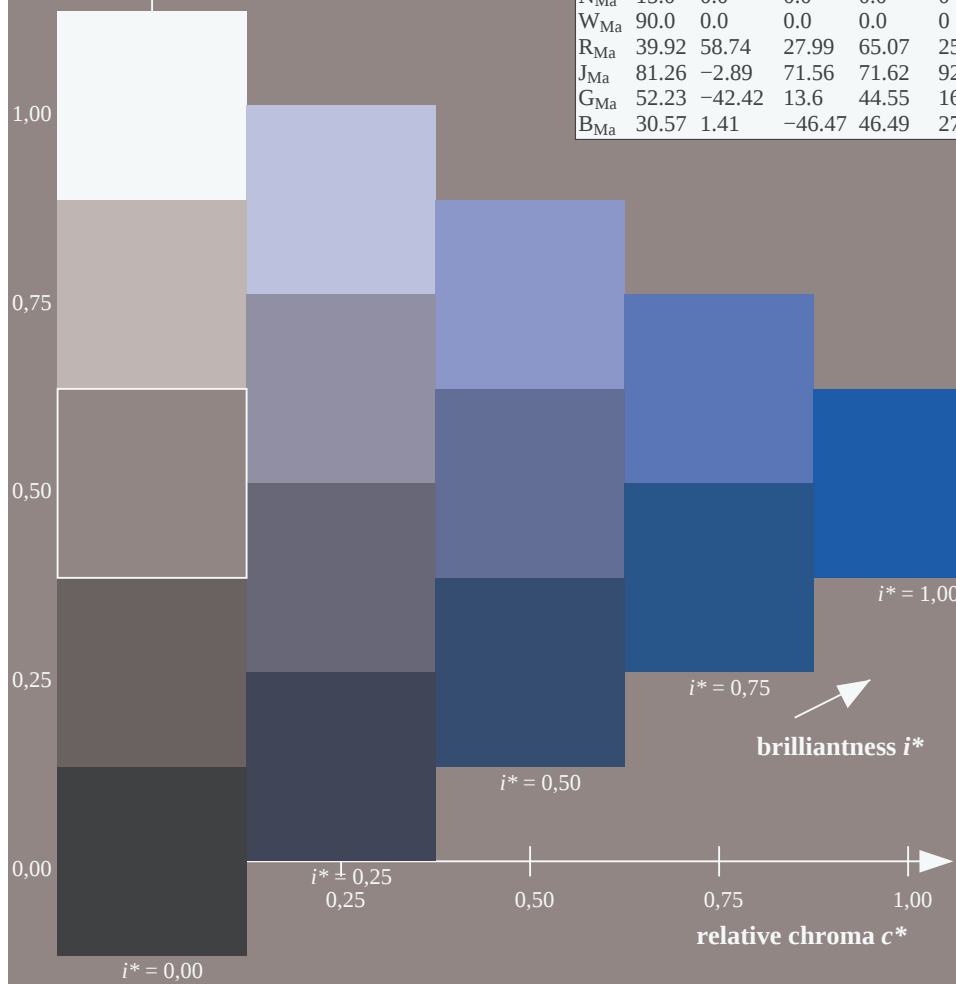
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

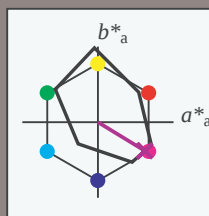
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

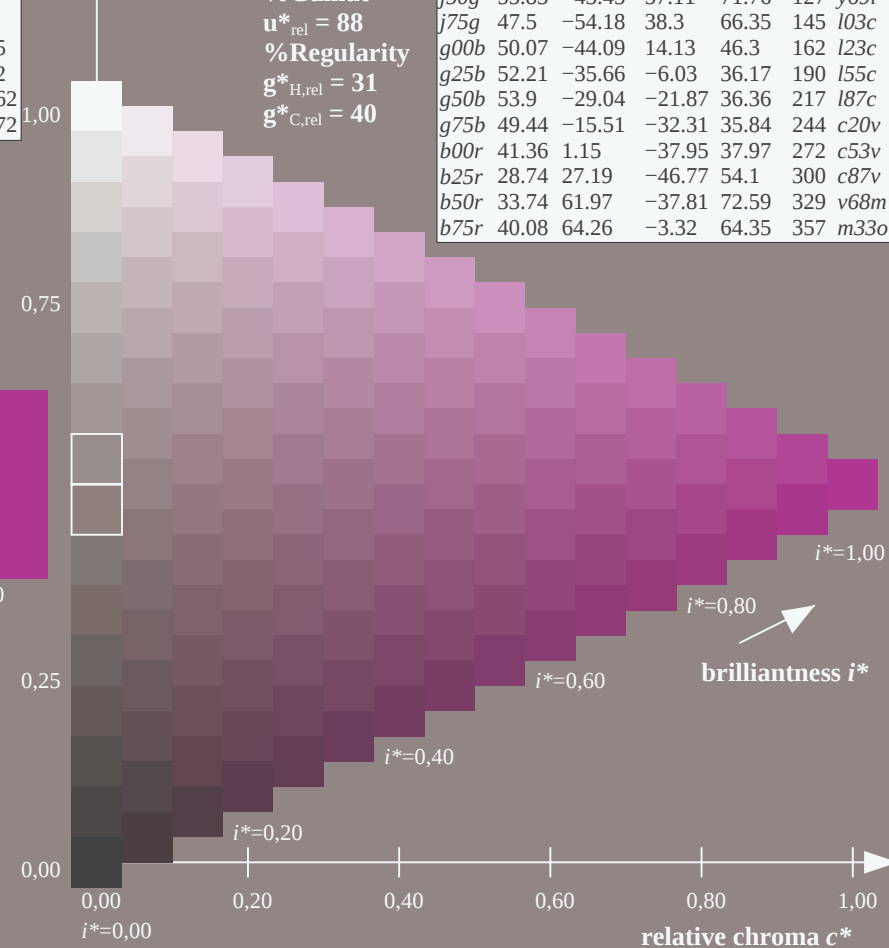
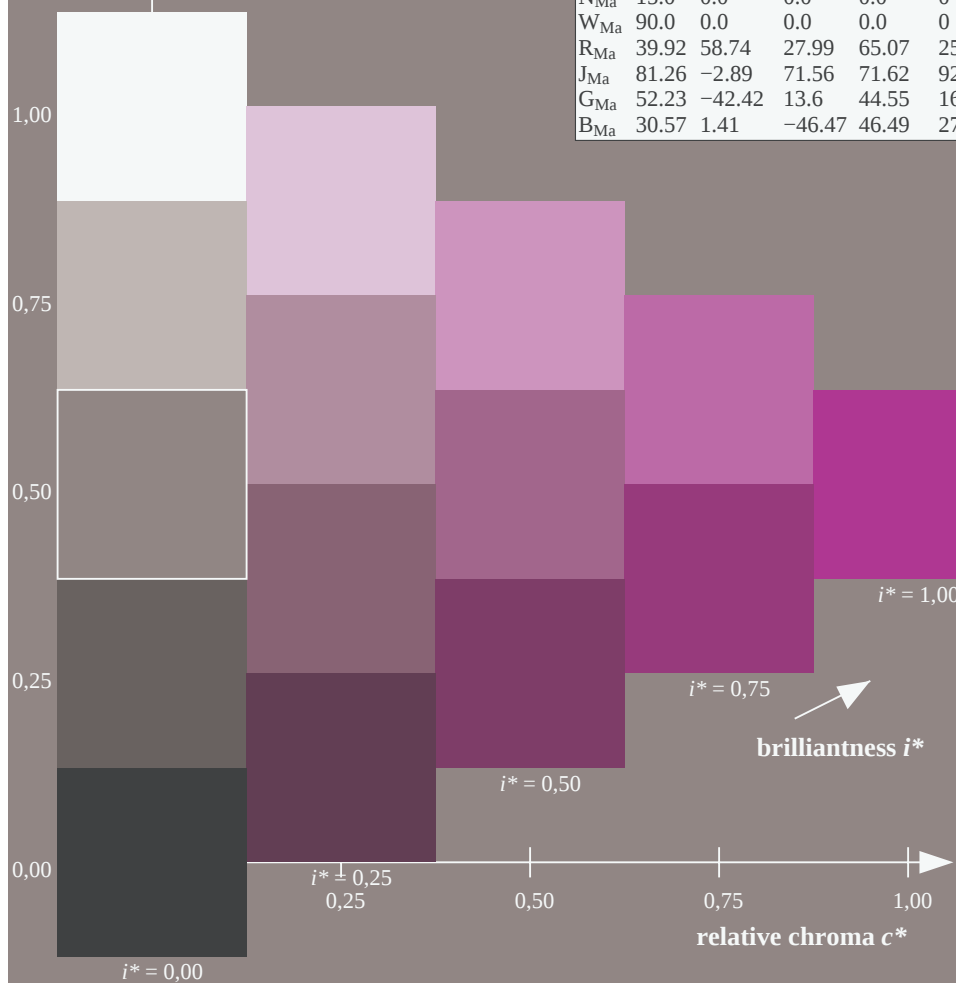
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

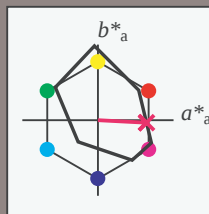
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

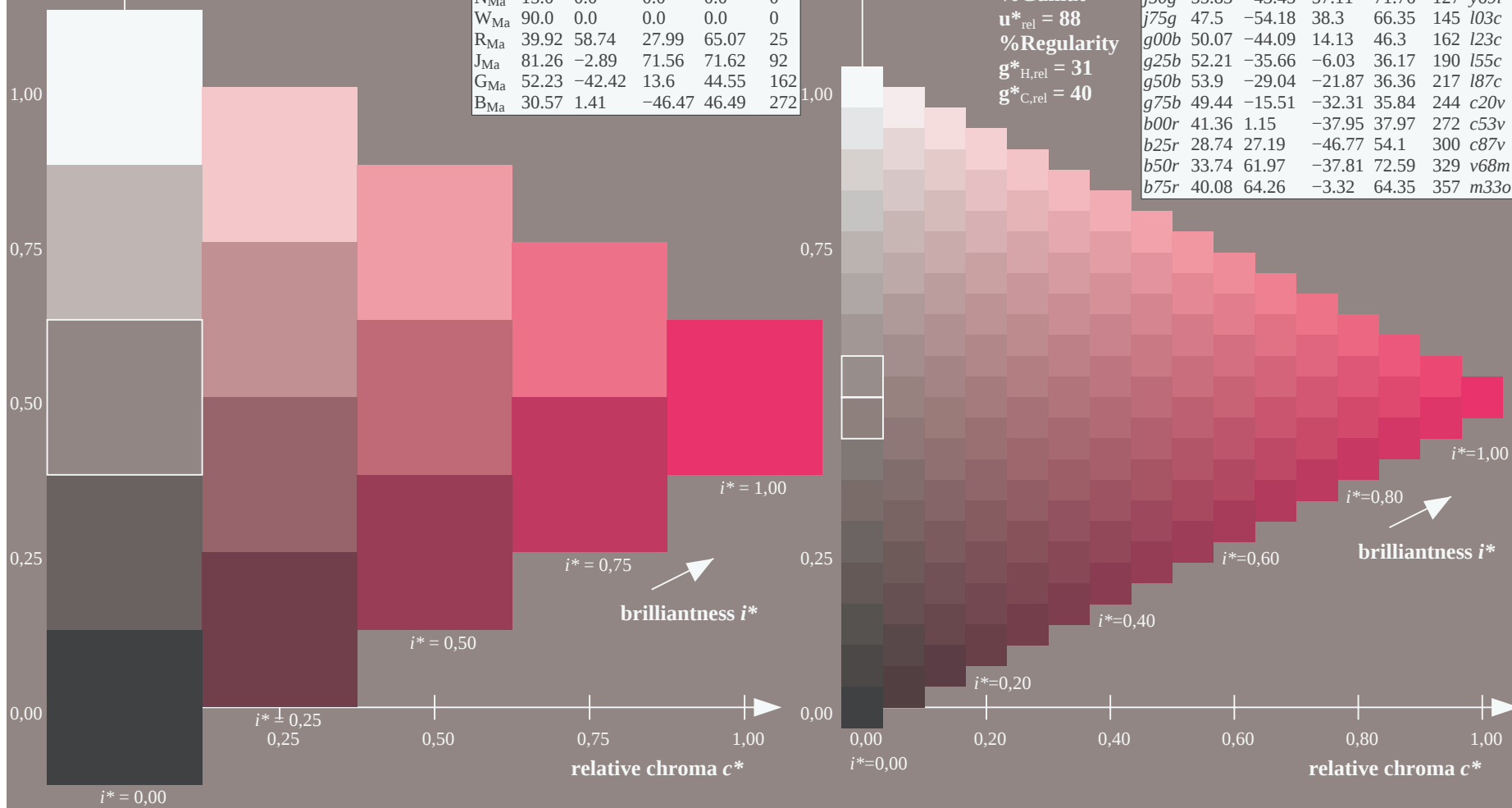
%Regularity

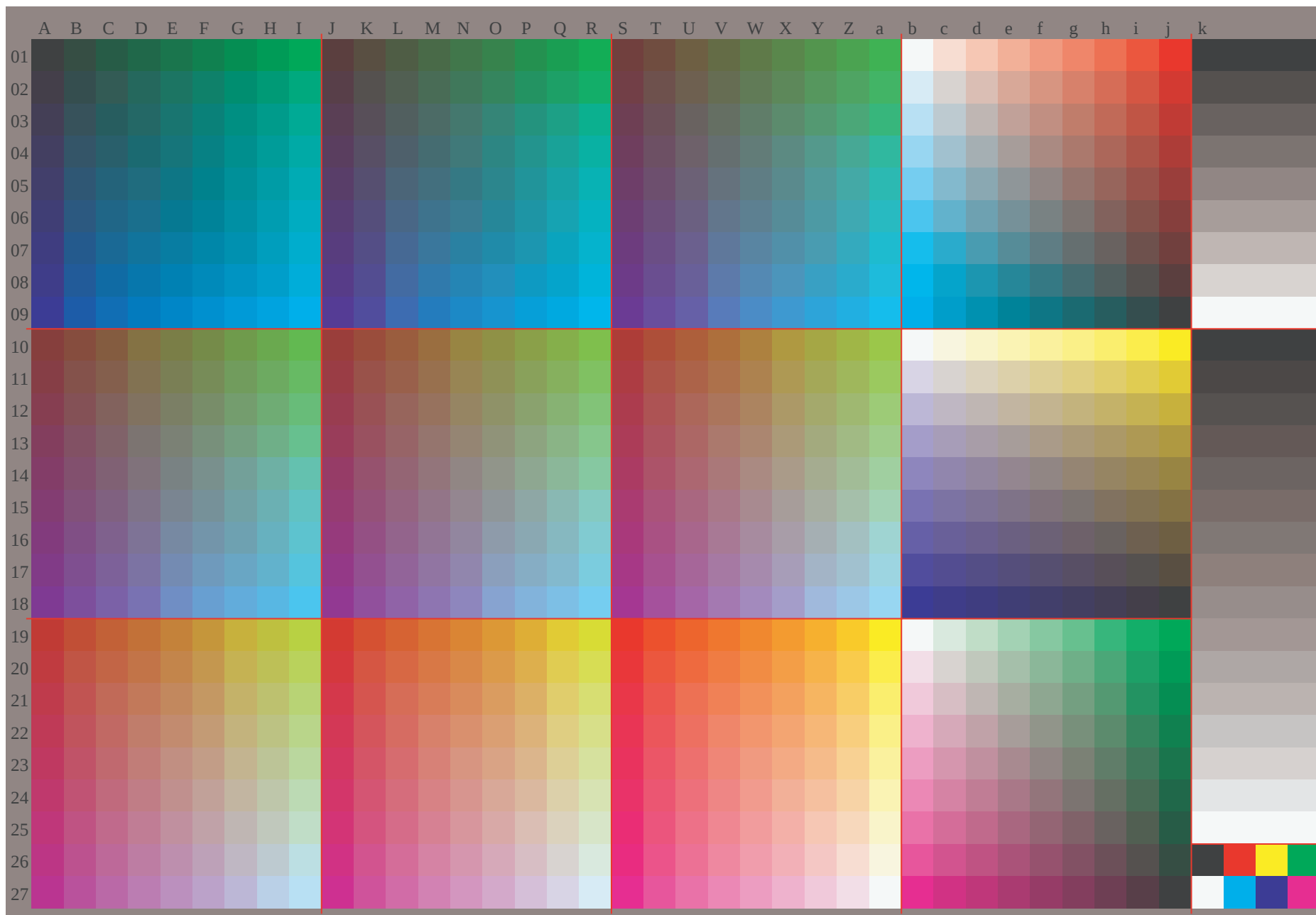
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o





Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

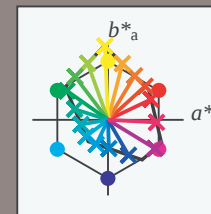
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

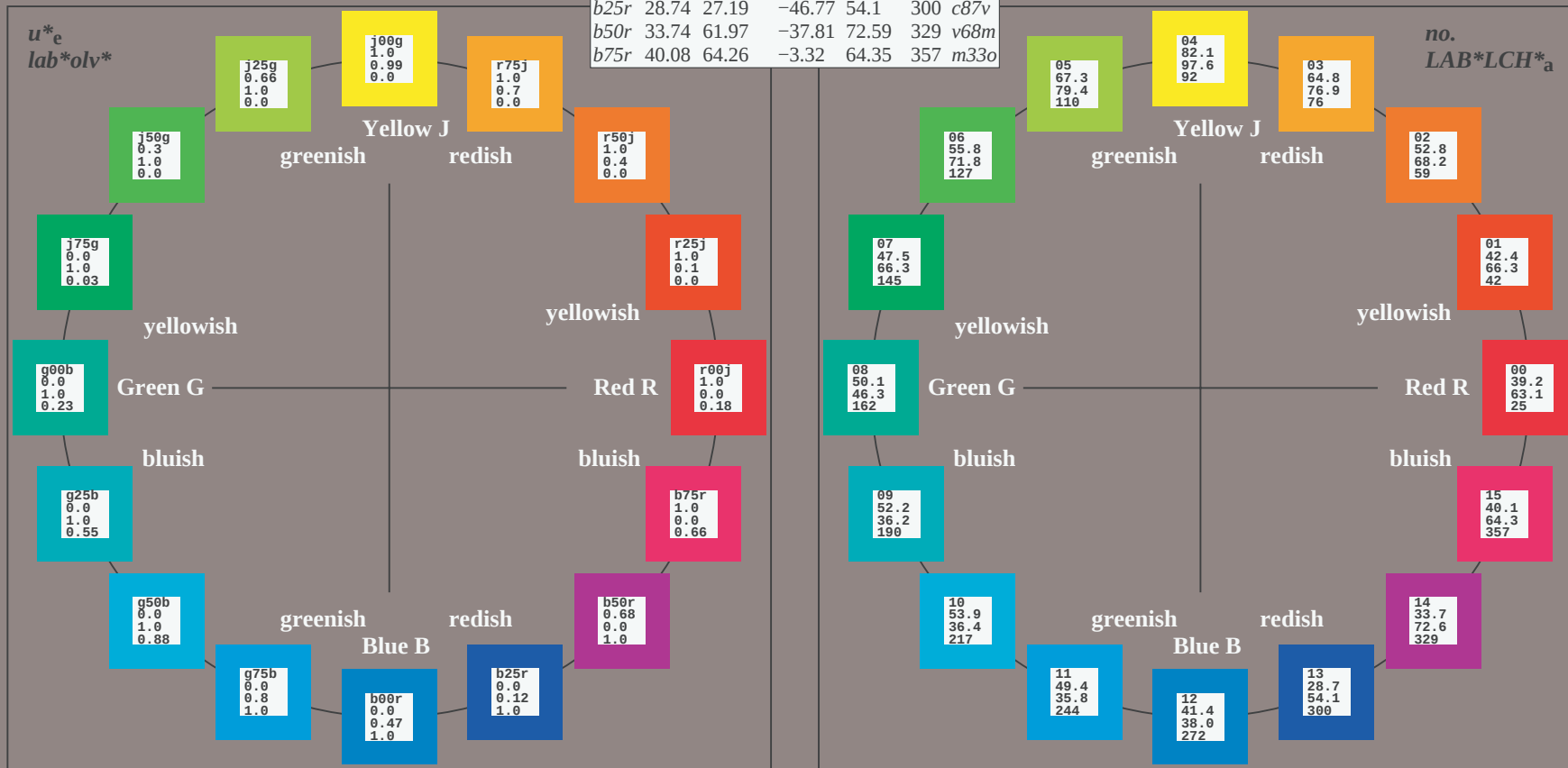
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

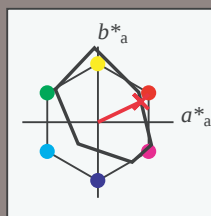
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

% Gamut

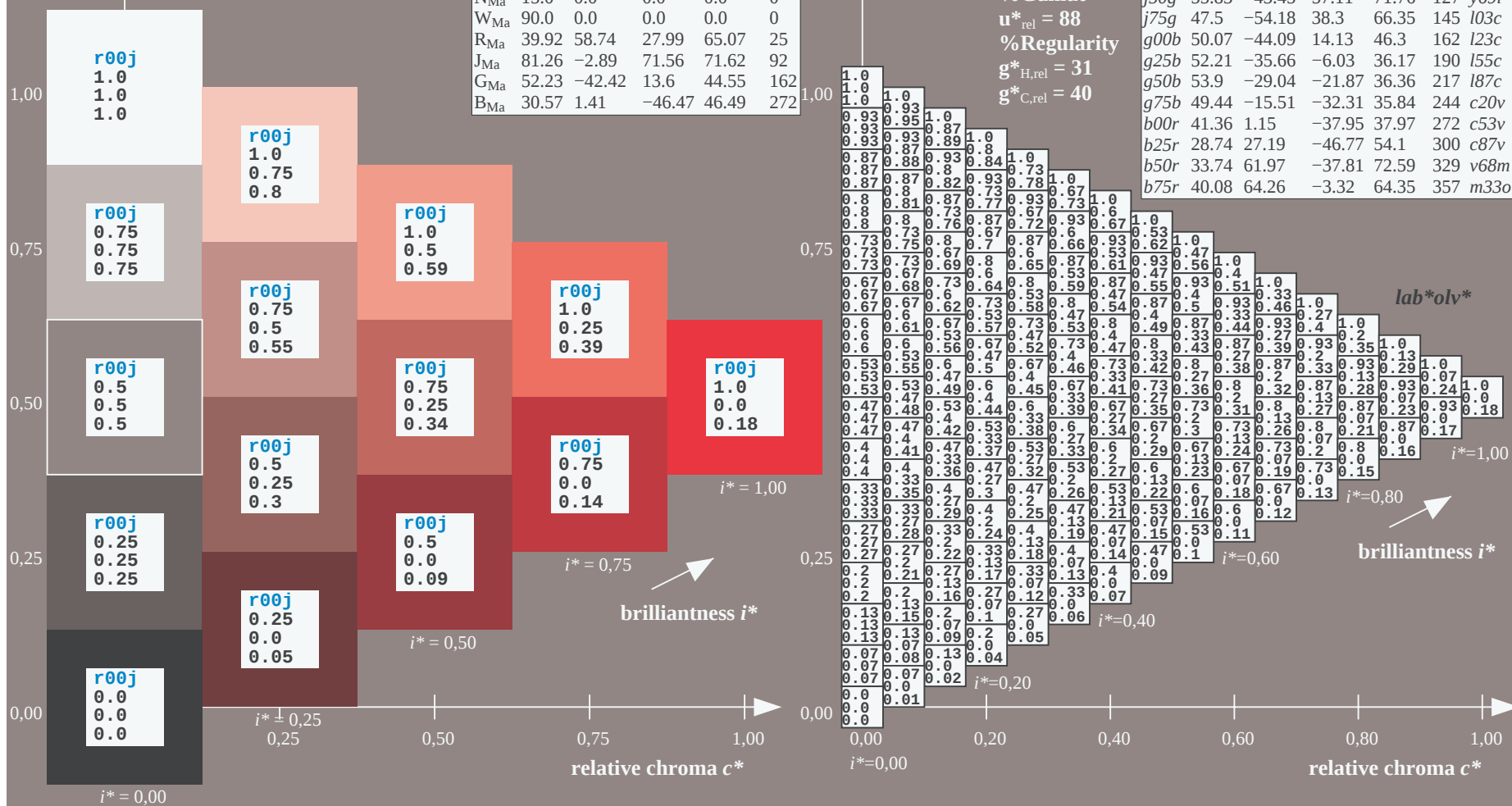
$u^*_{rel} = 88$

% Regularity

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

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

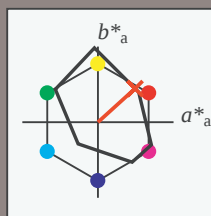
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

% Gamut

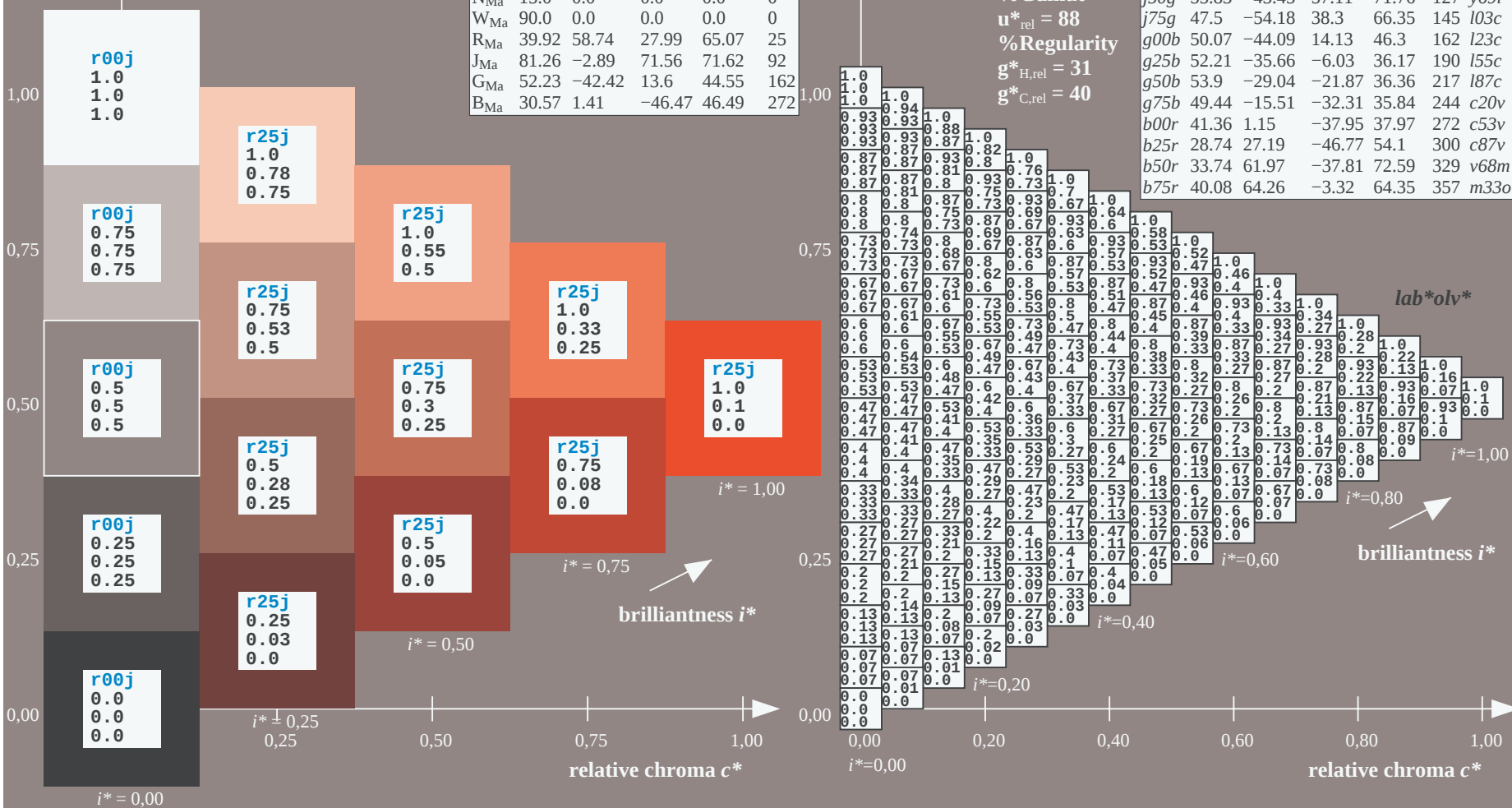
$u^*_{rel} = 88$

% Regularity

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

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

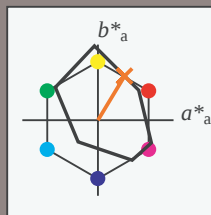
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

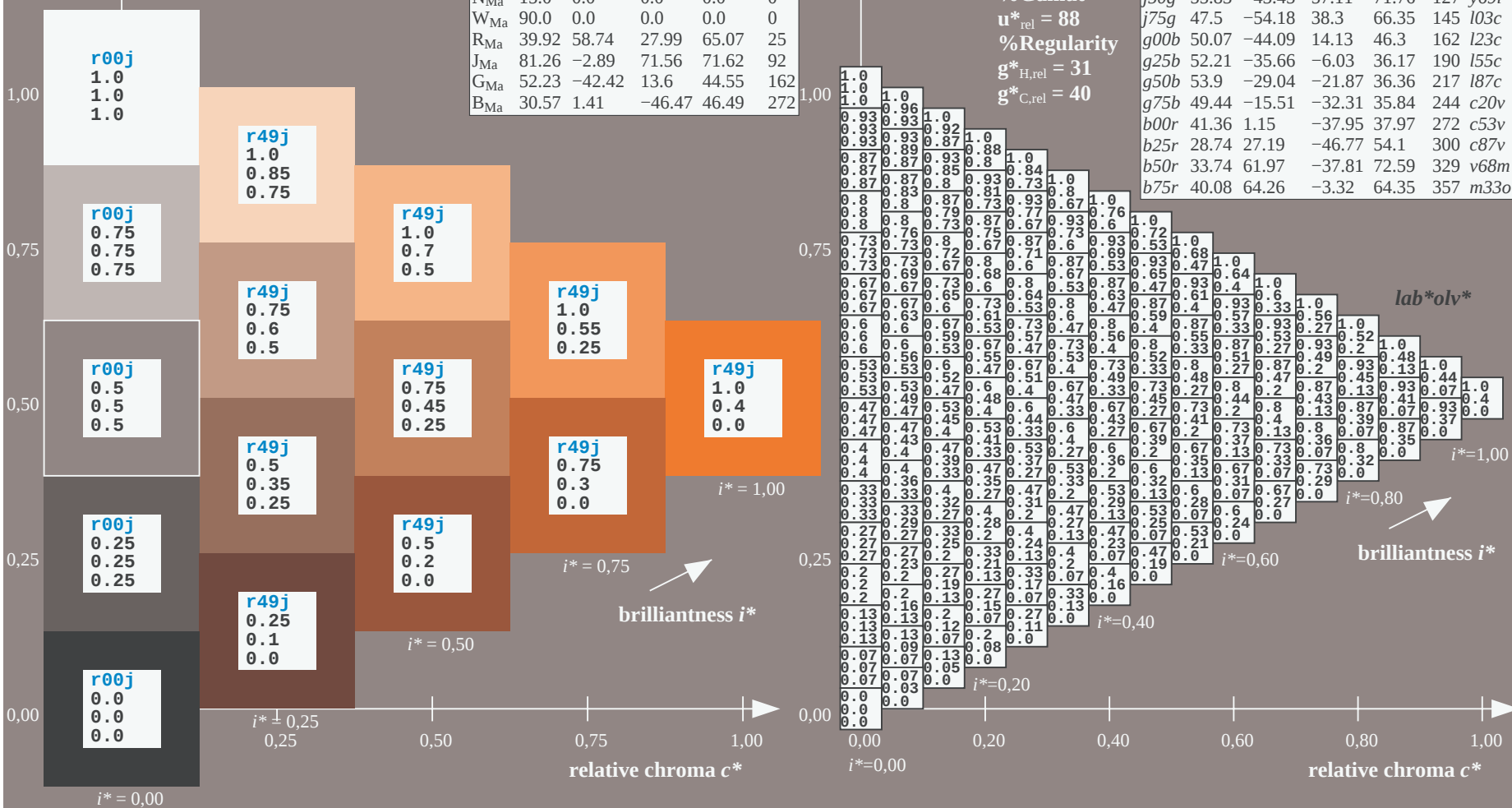
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

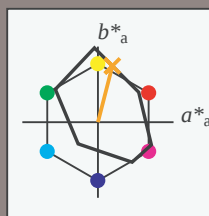
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

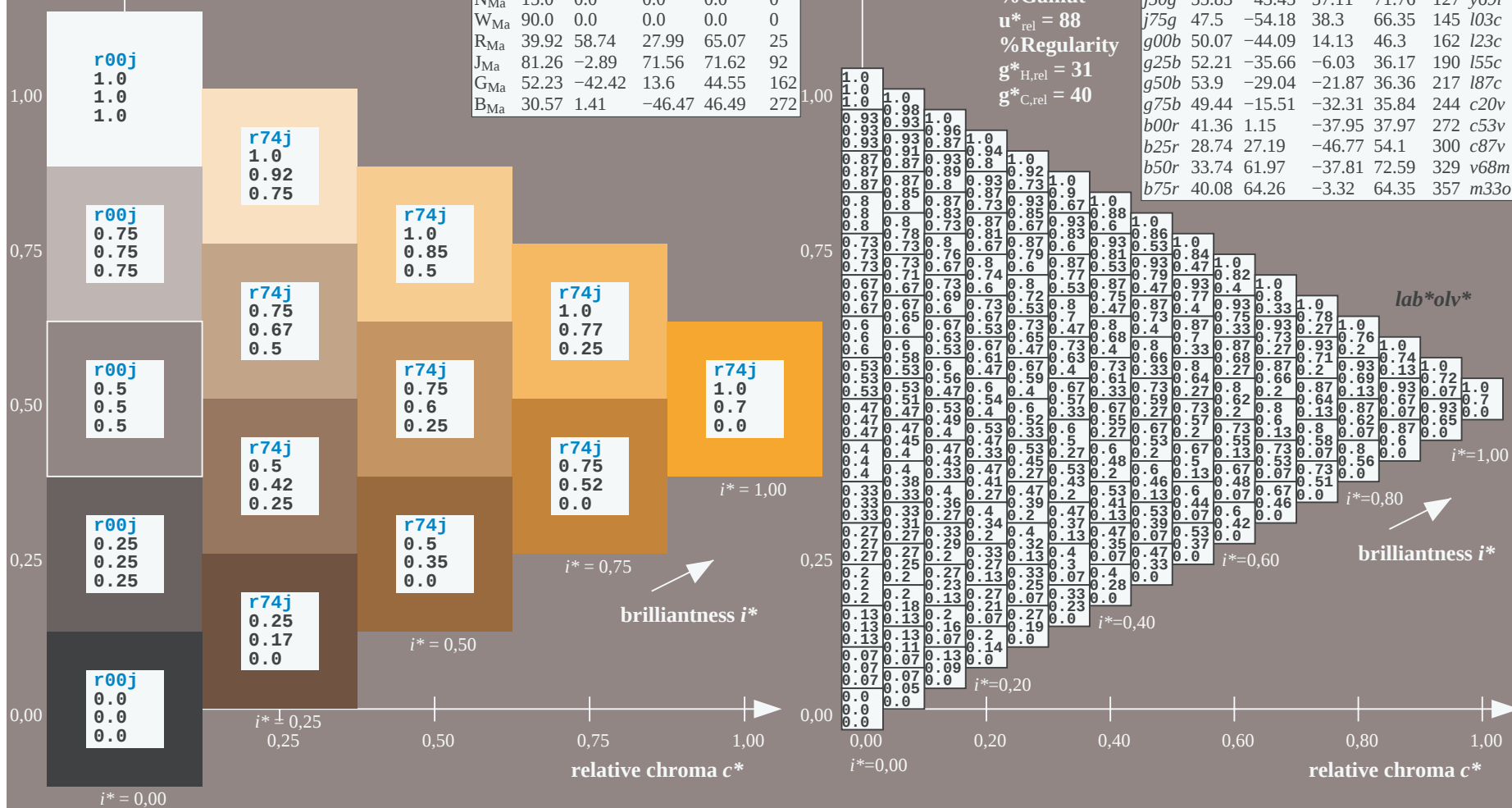
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:

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

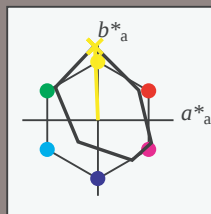
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

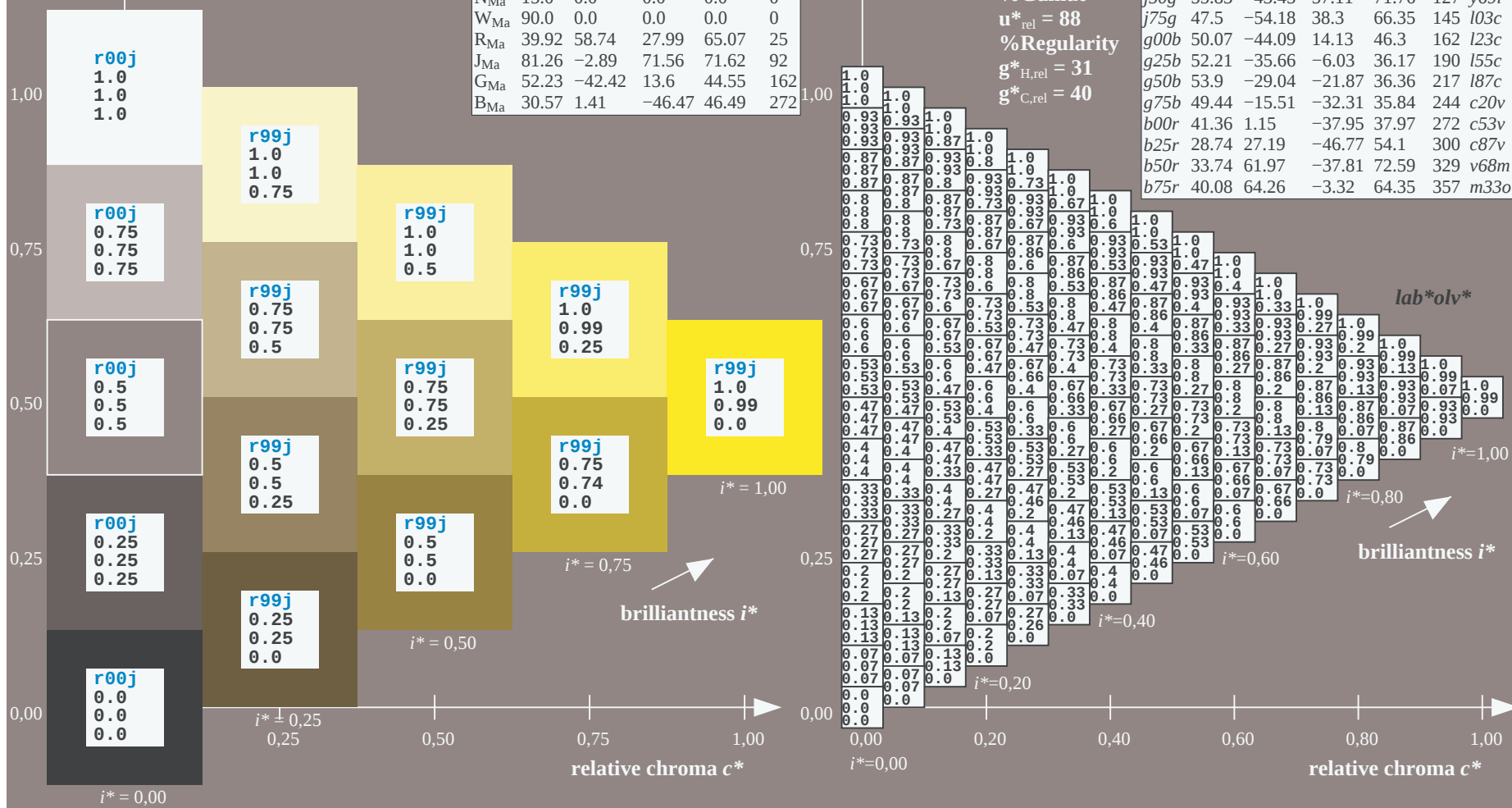
% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

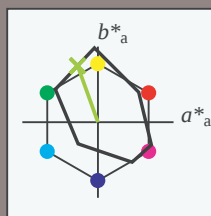
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

% Gamut

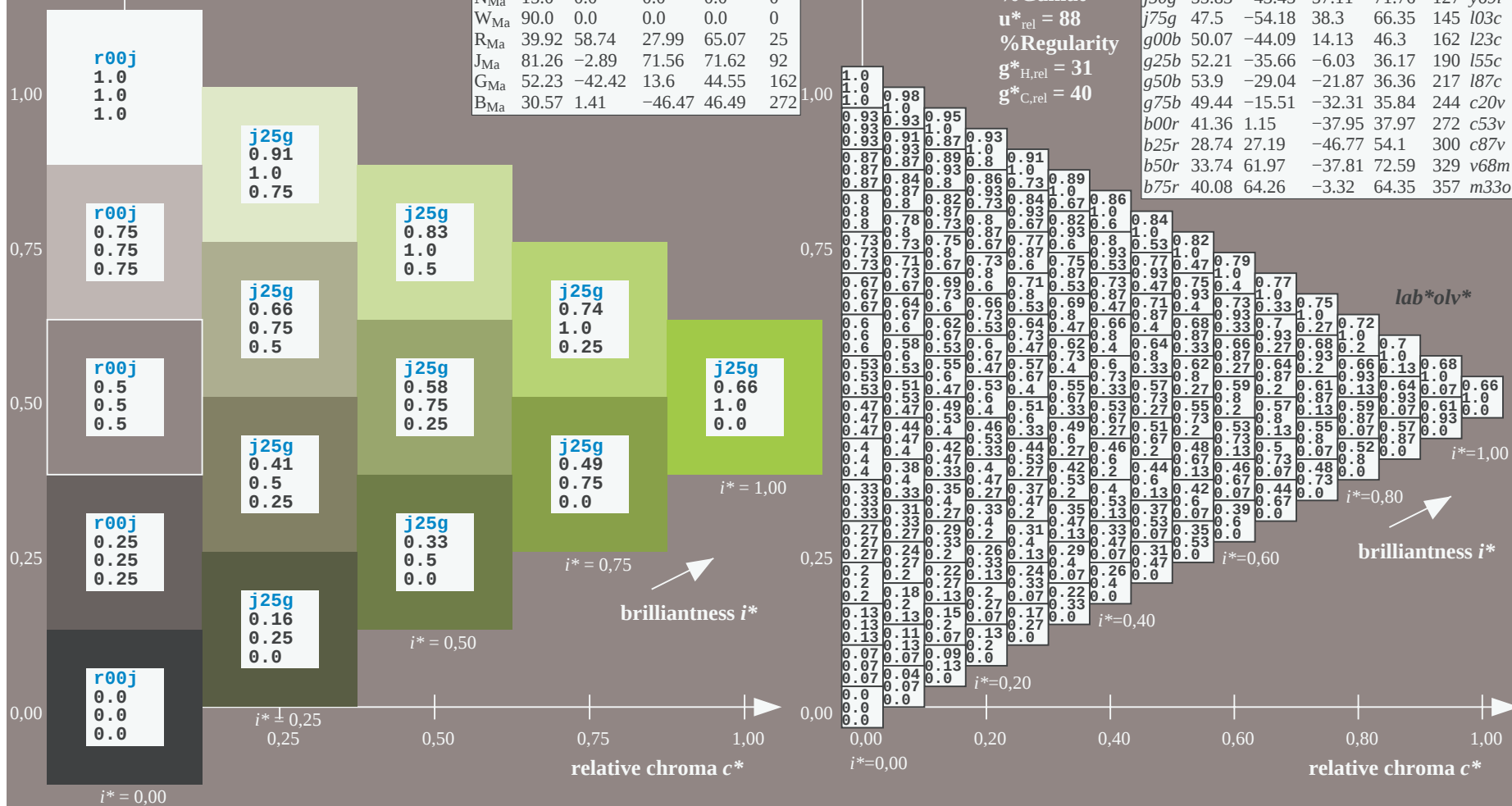
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

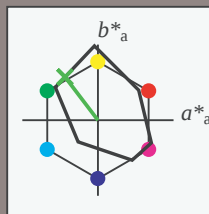
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

% Gamut

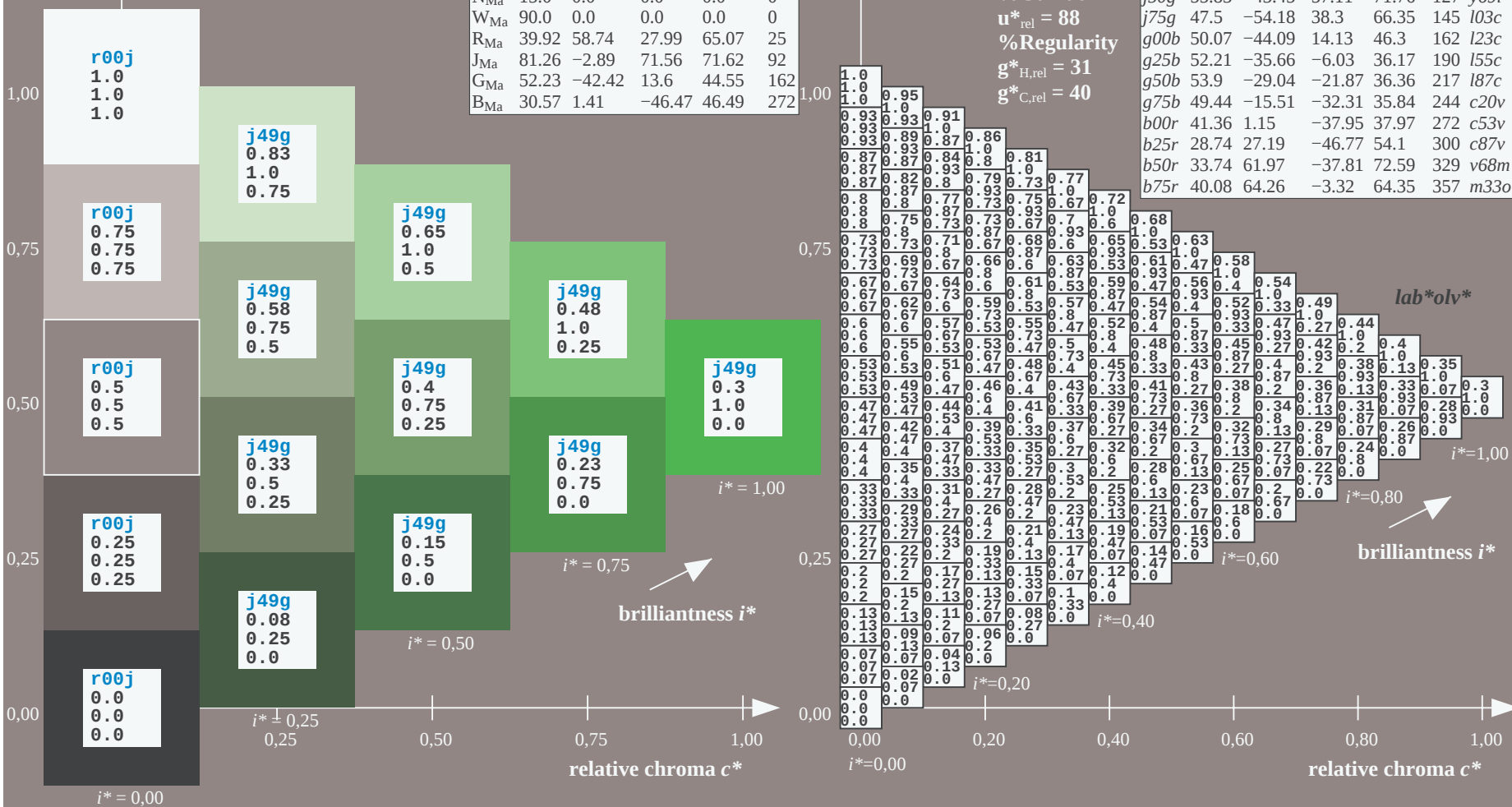
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

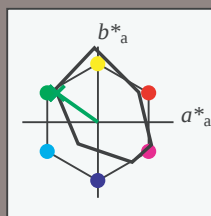
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

% Gamut

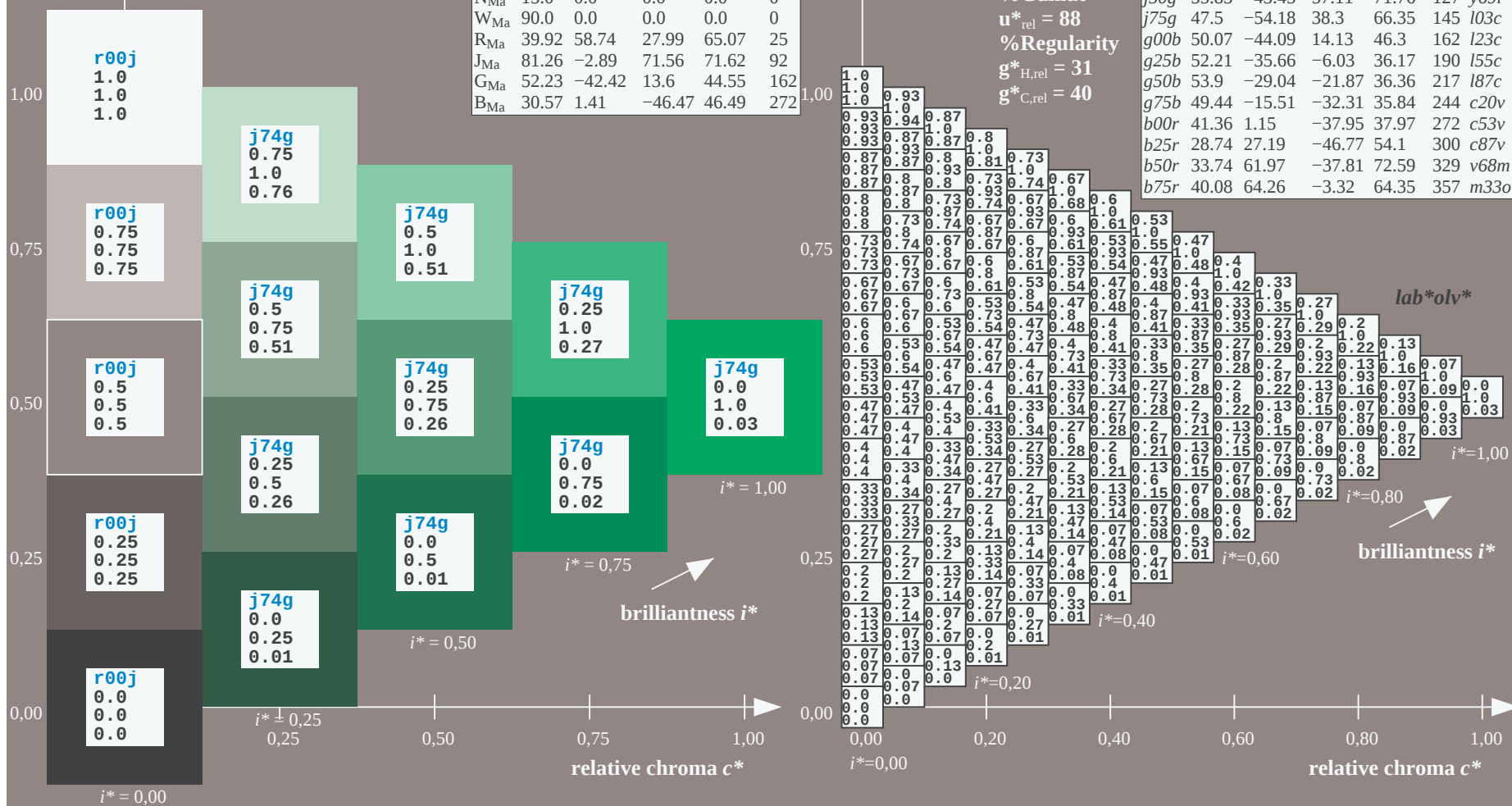
$u^*_{rel} = 88$

% Regularity

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

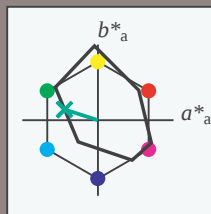
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

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



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

% Gamut

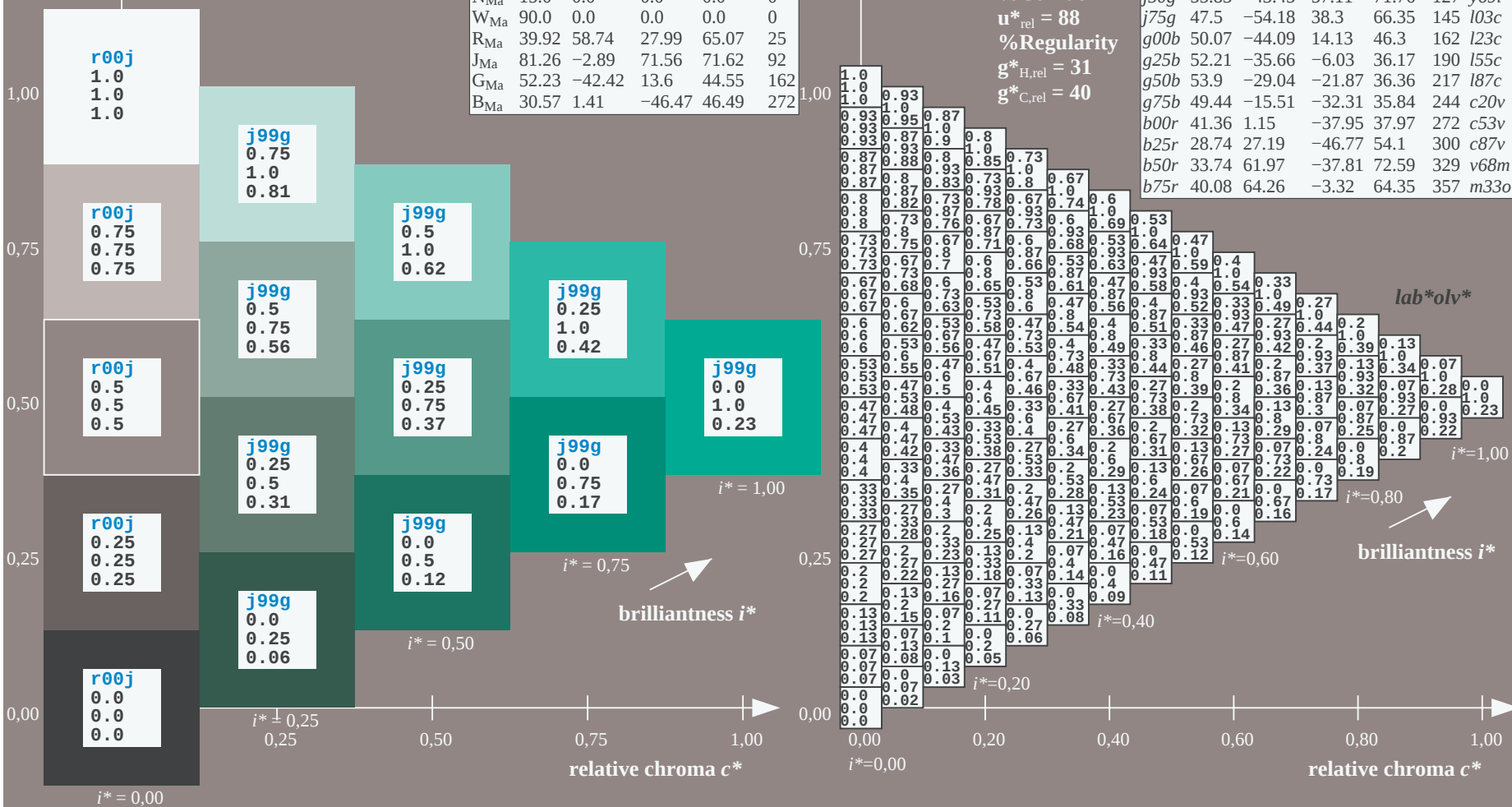
$u^*_{rel} = 88$

% Regularity

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

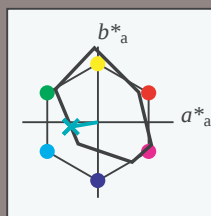
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^*=1.00$

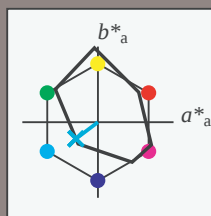
$i^*=0.80$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

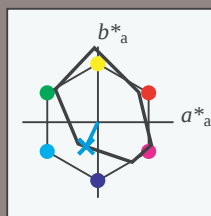
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

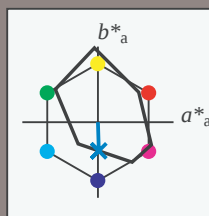
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

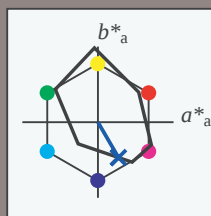
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

% Gamut

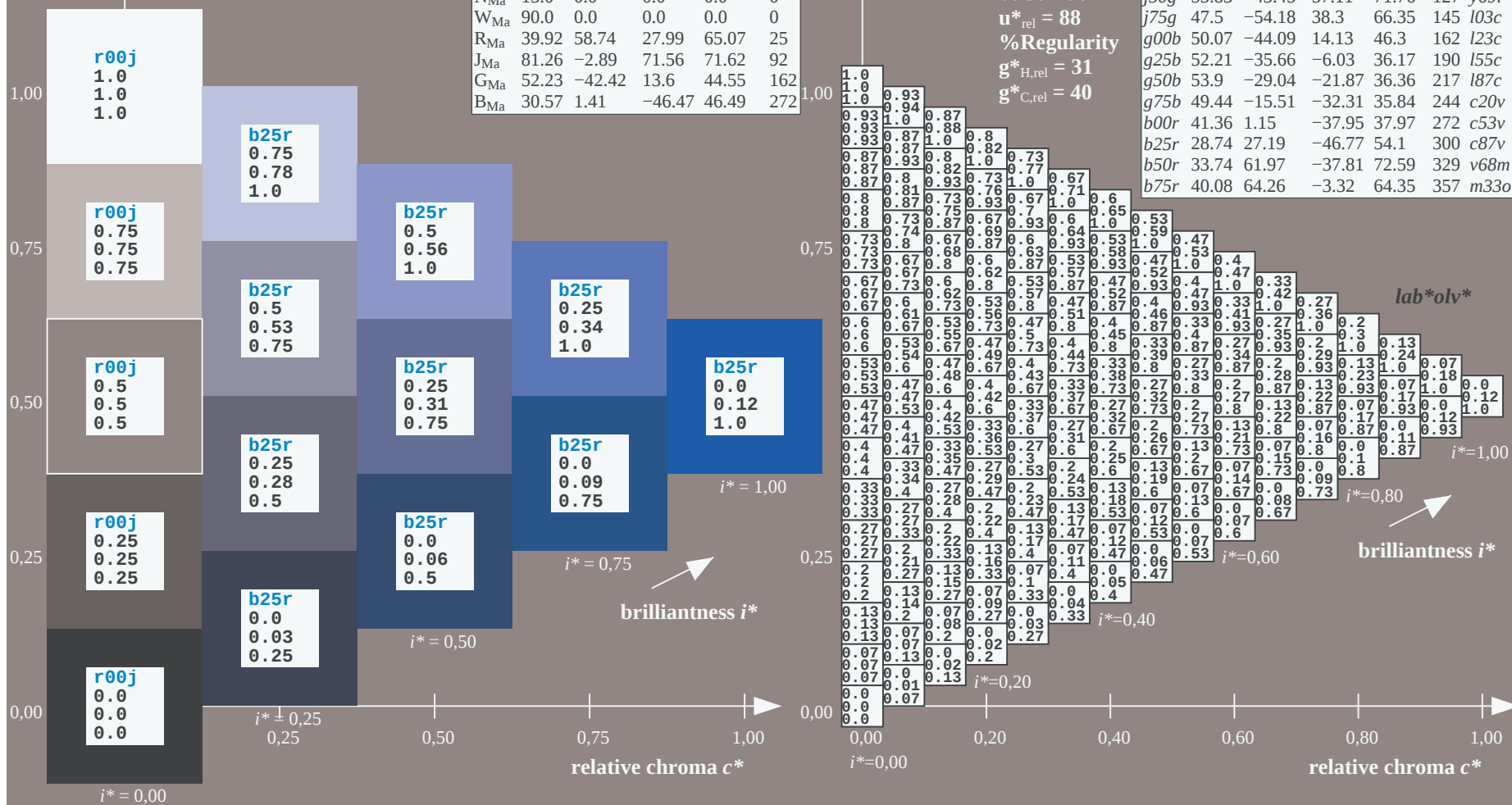
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

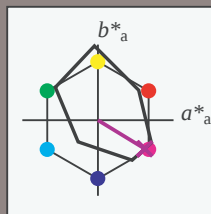
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

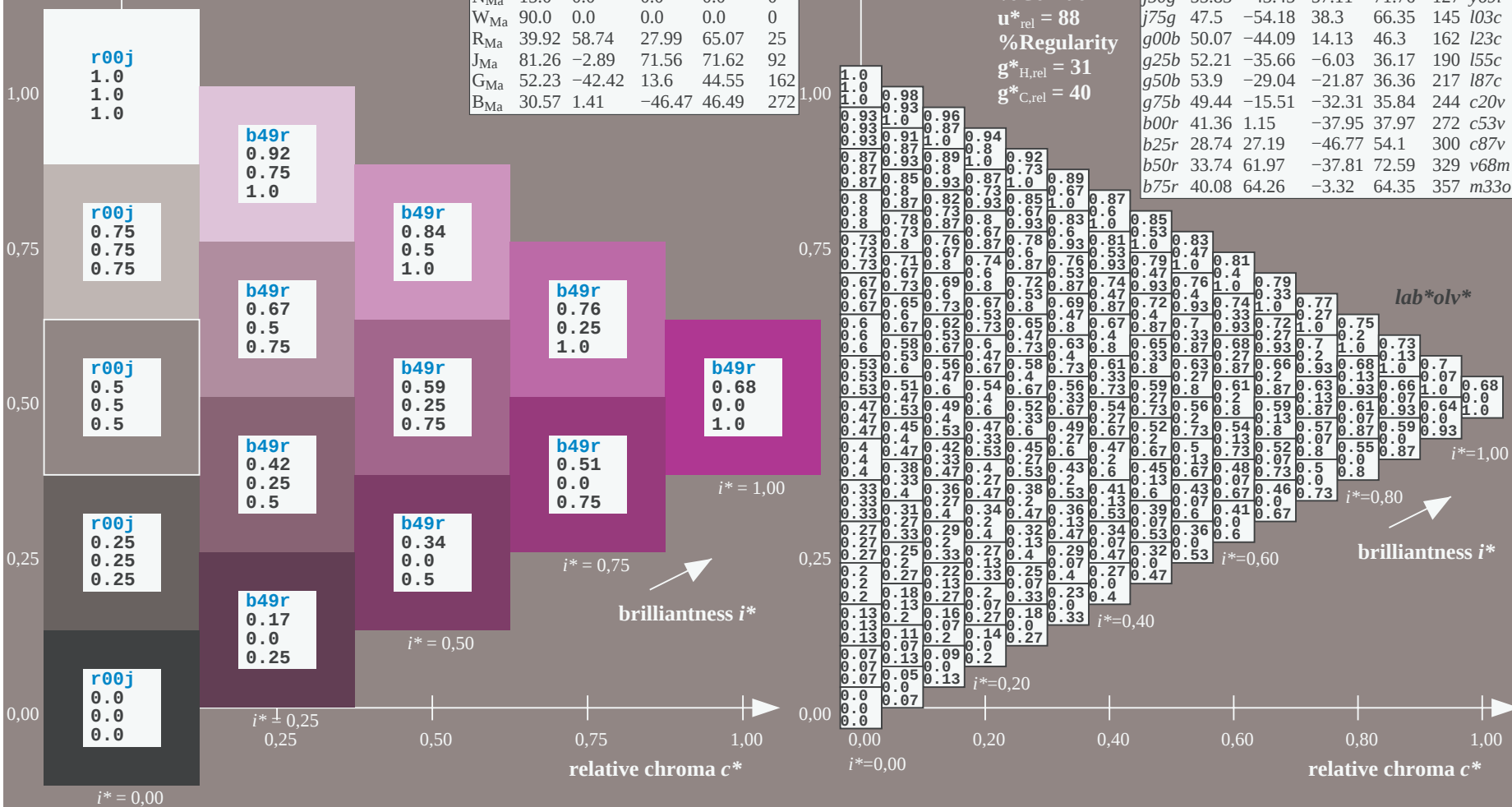
% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

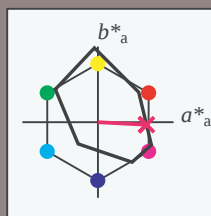
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

% Gamut

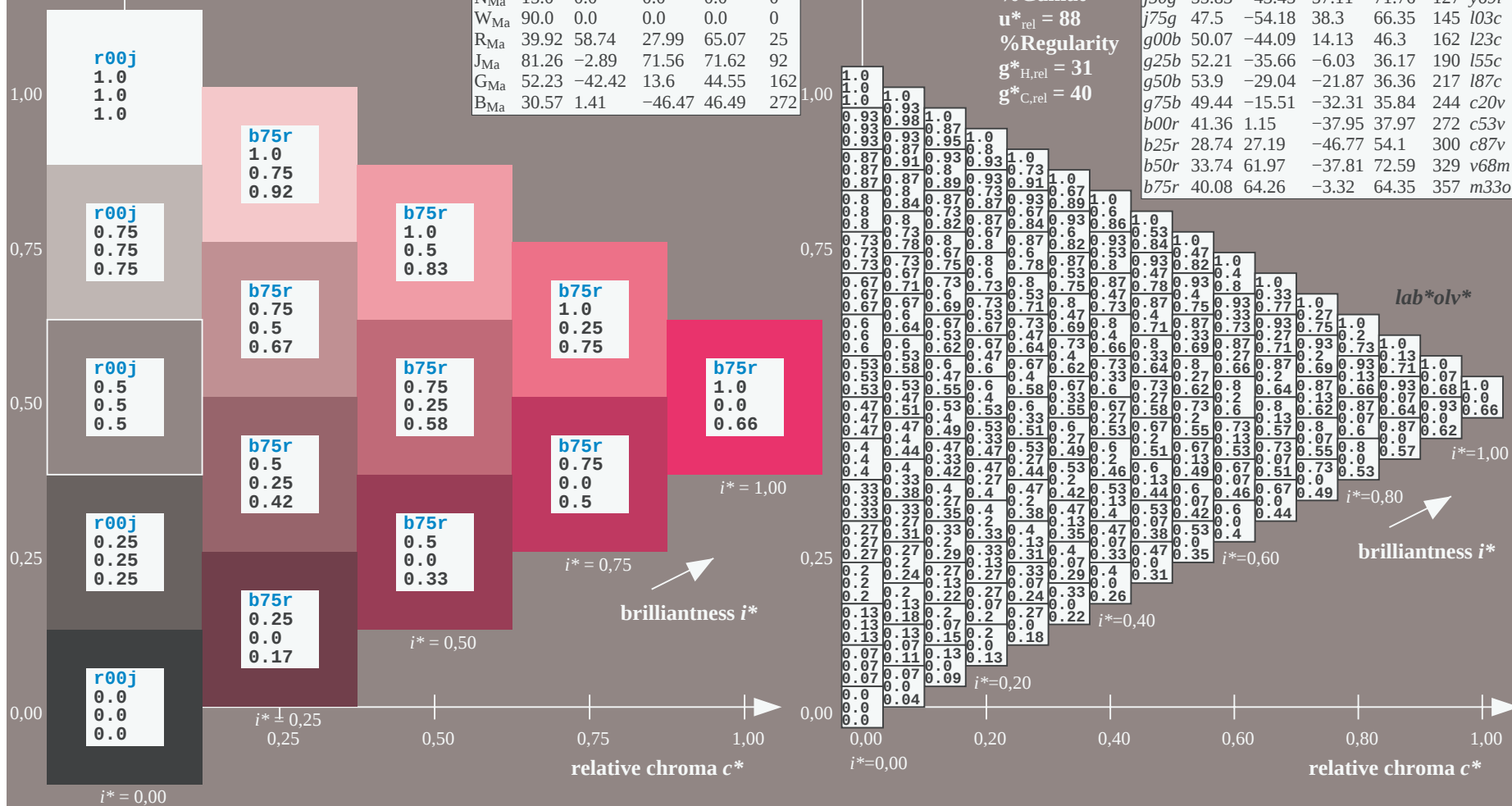
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*oly*					
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.12	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.13	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	
0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88		
0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0															

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

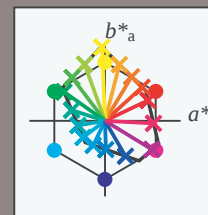
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

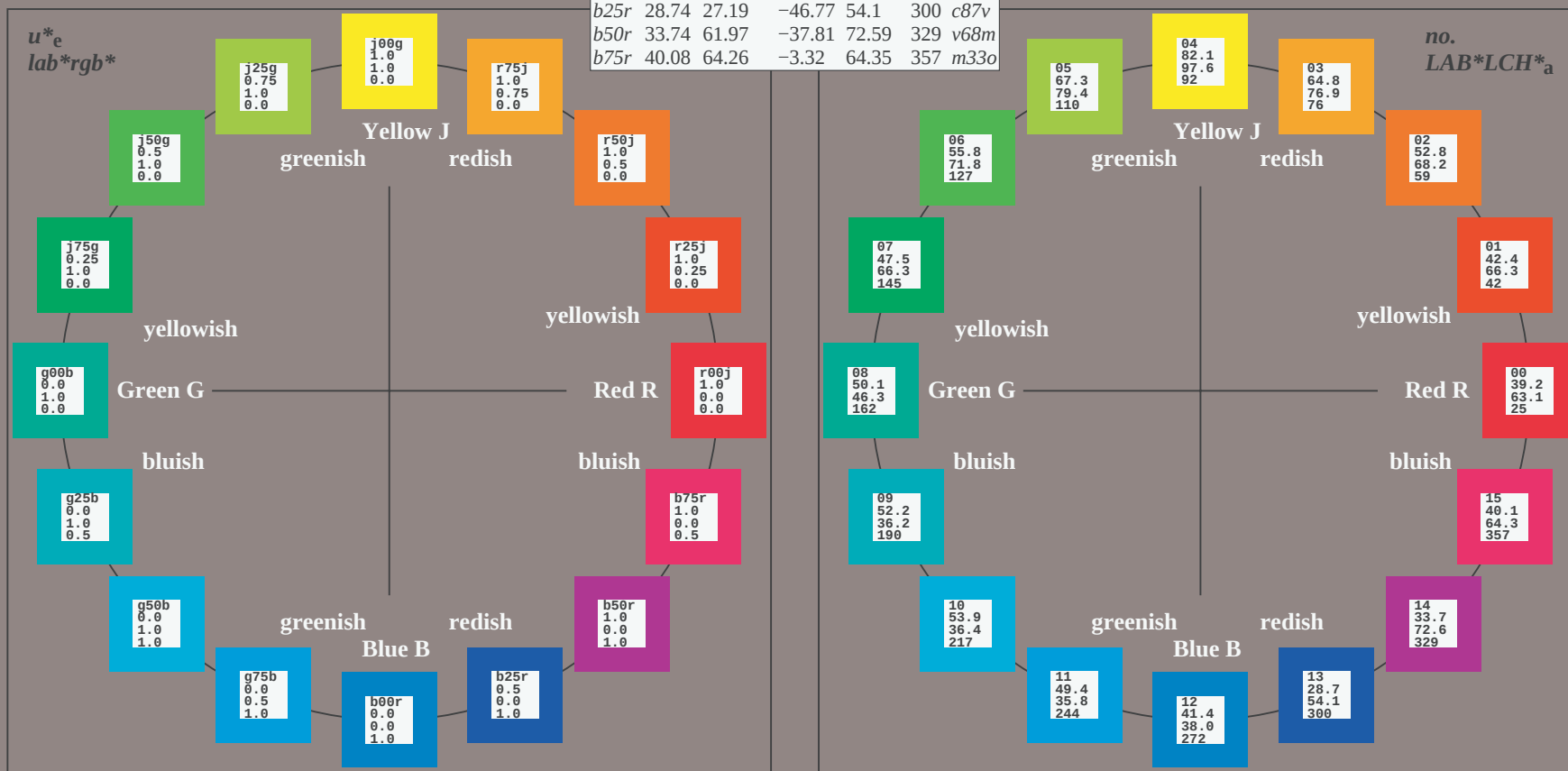
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

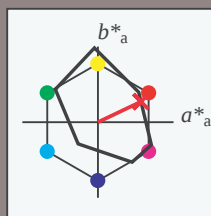
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

% Gamut

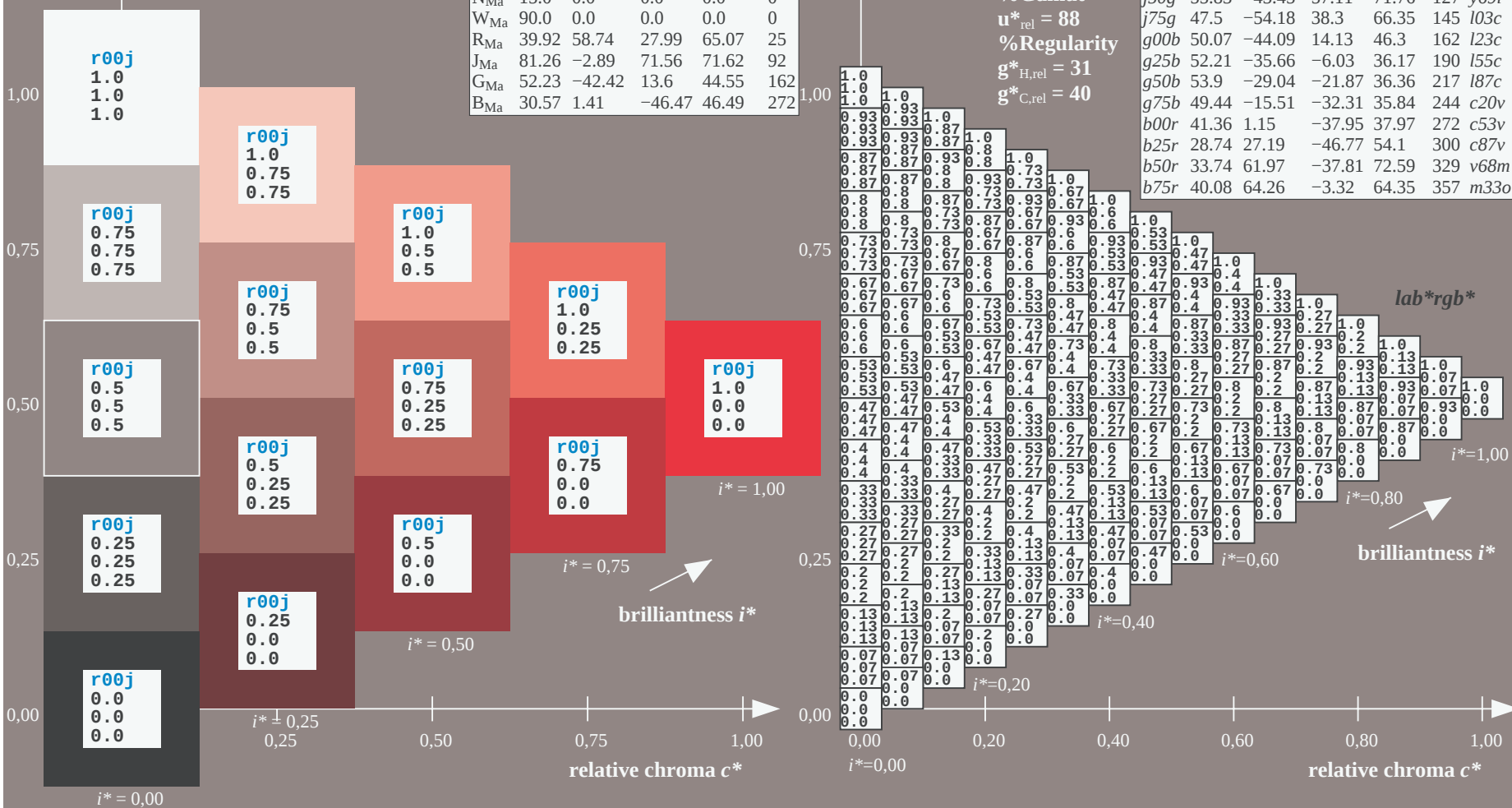
$u^*_{rel} = 88$

% Regularity

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

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

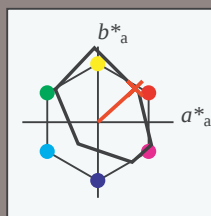
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

% Gamut

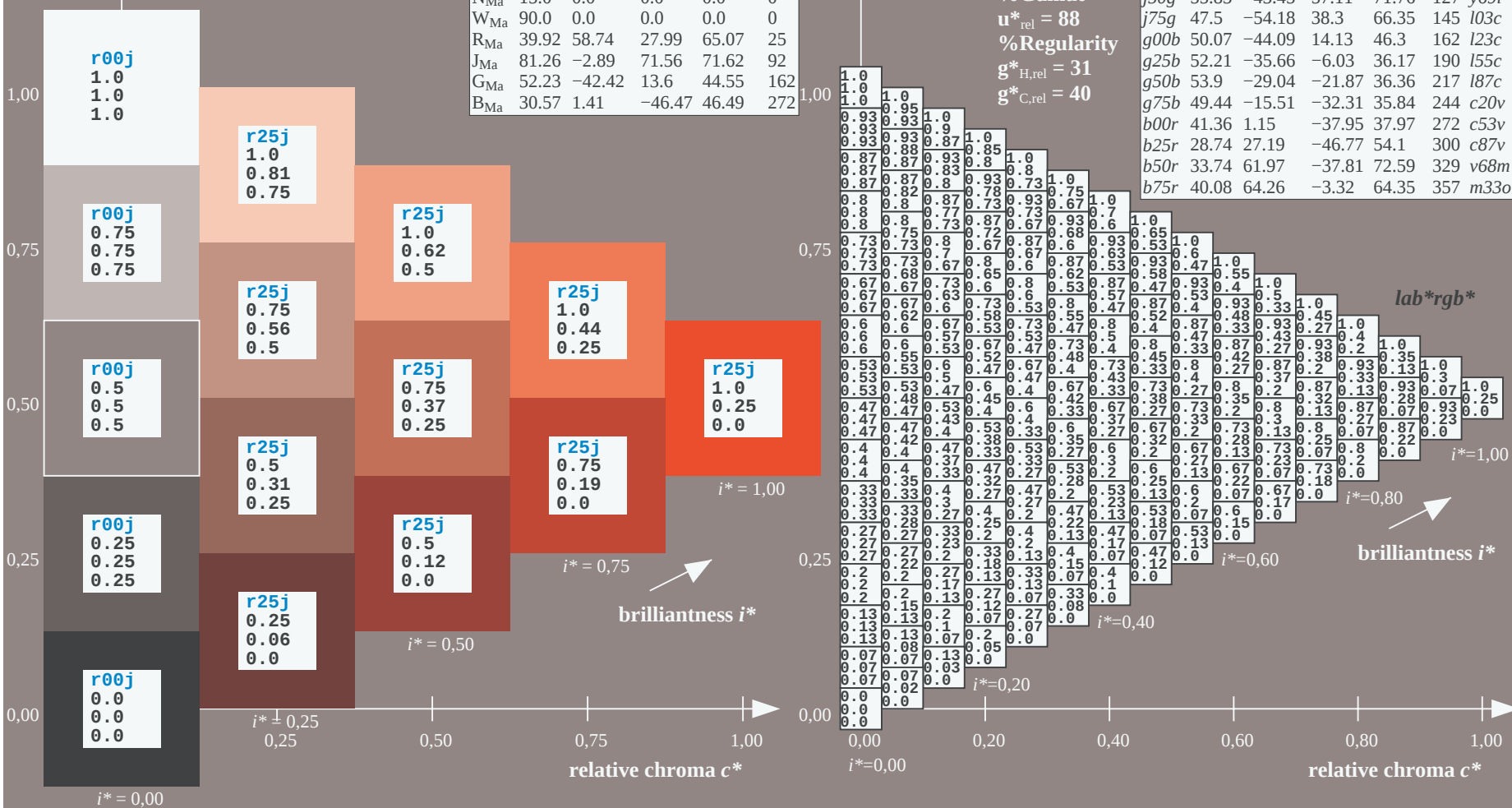
$u^*_{rel} = 88$

% Regularity

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

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

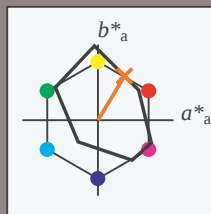
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

% Gamut

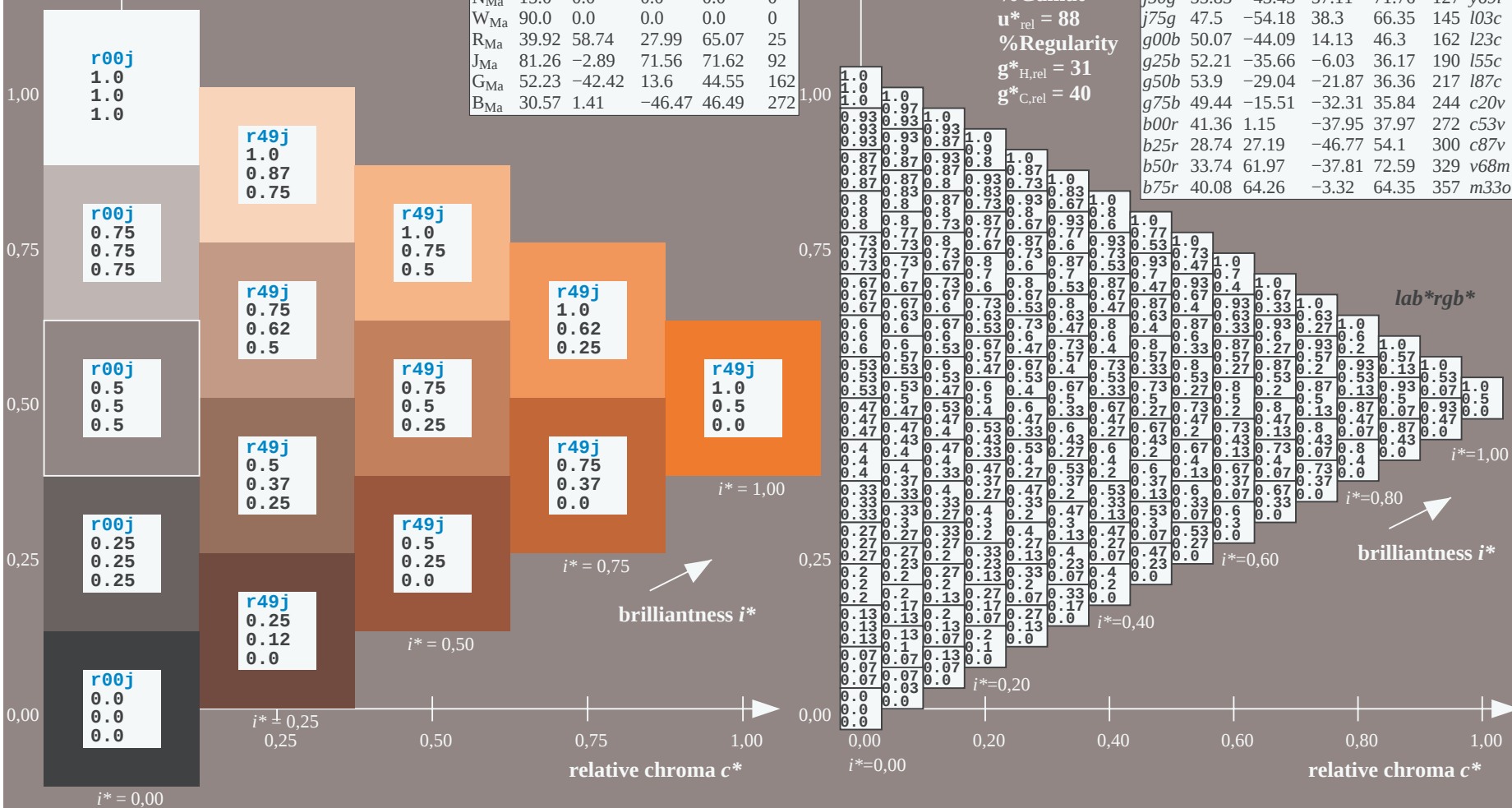
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

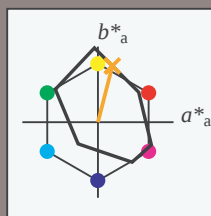
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

% Gamut

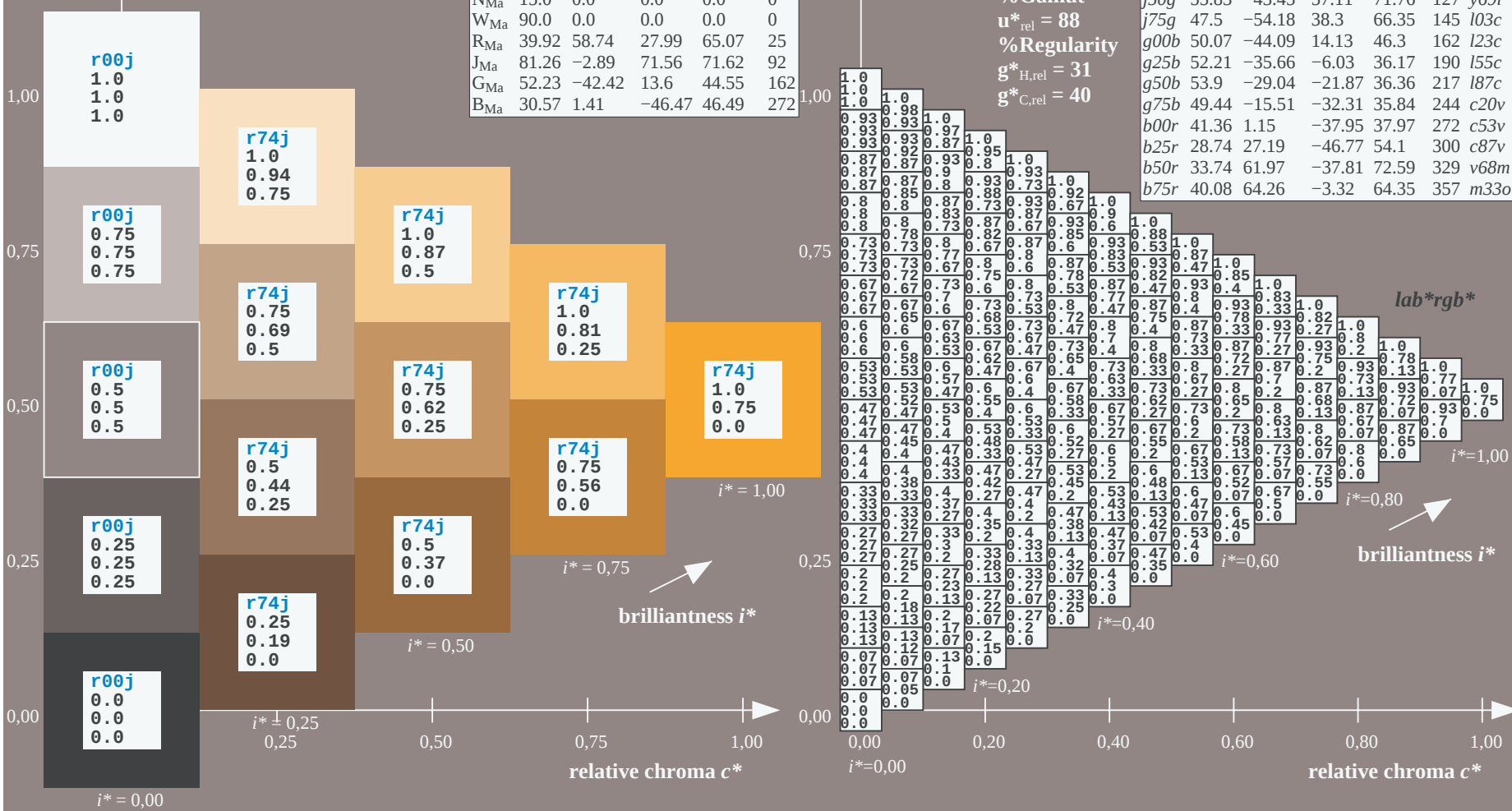
$u^*_{rel} = 88$

% Regularity

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

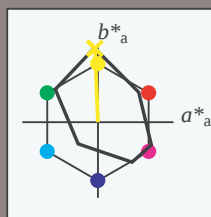
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

% Gamut

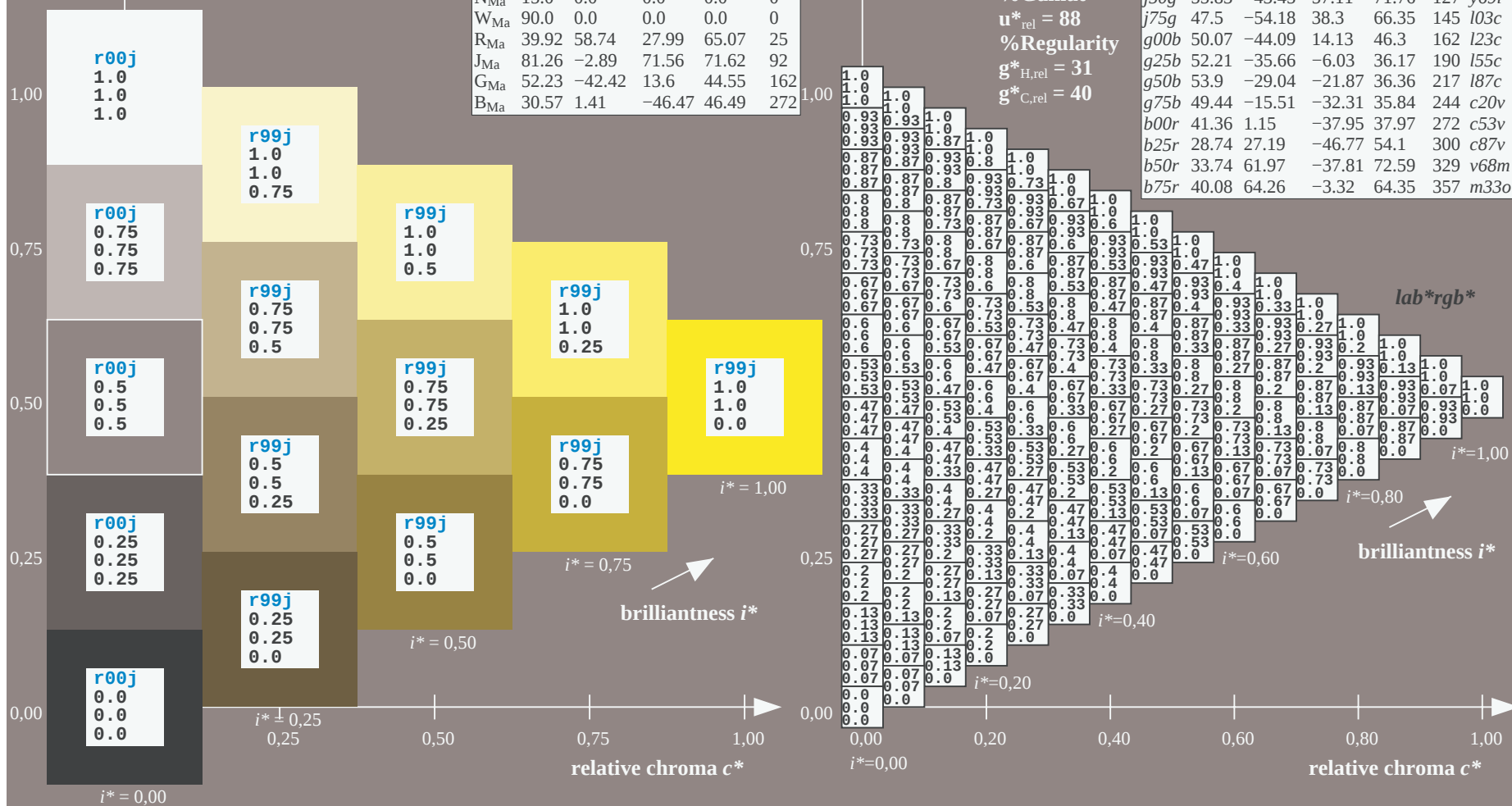
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

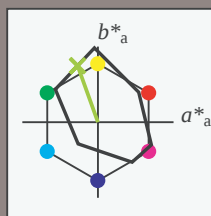
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

% Gamut

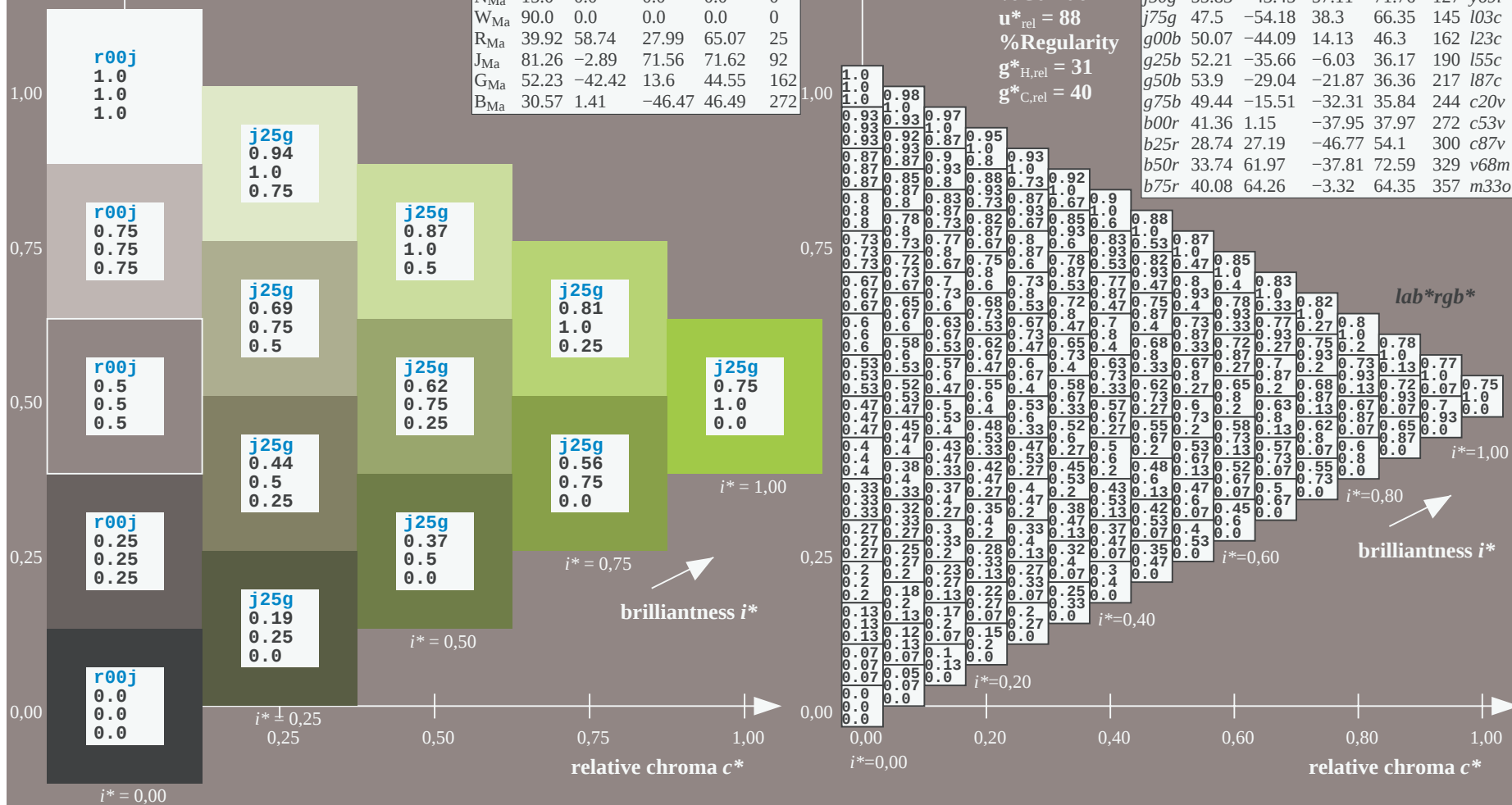
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

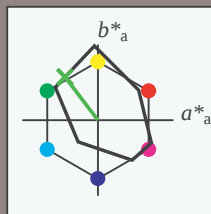
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

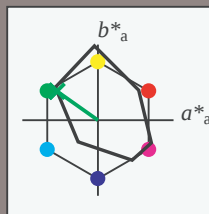
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

% Gamut

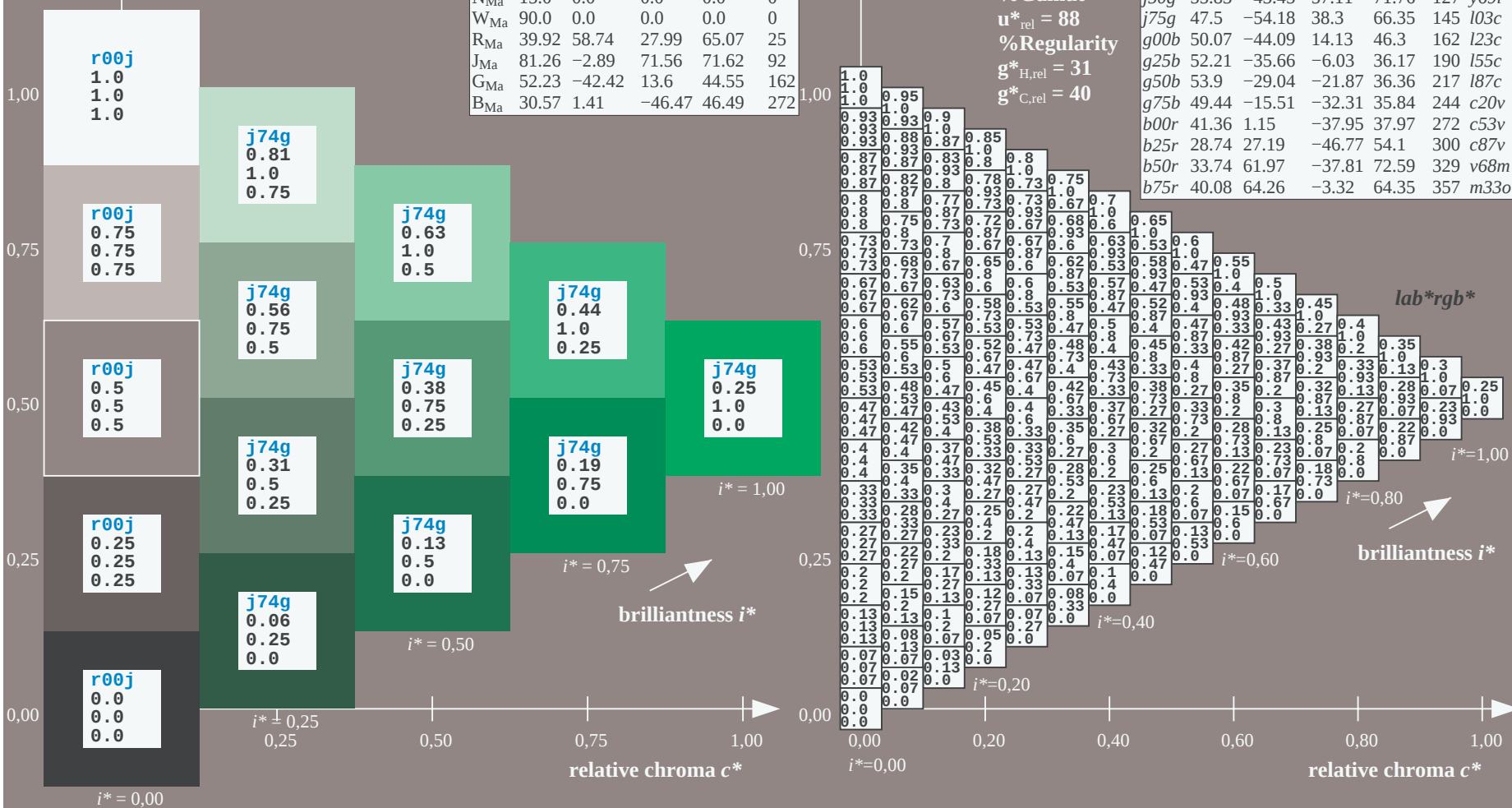
$u^*_{rel} = 88$

% Regularity

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

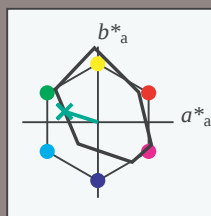
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g00b$ $u_d^* = l23c$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*rgb^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

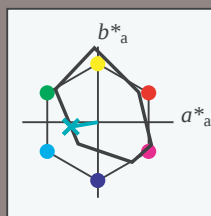
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

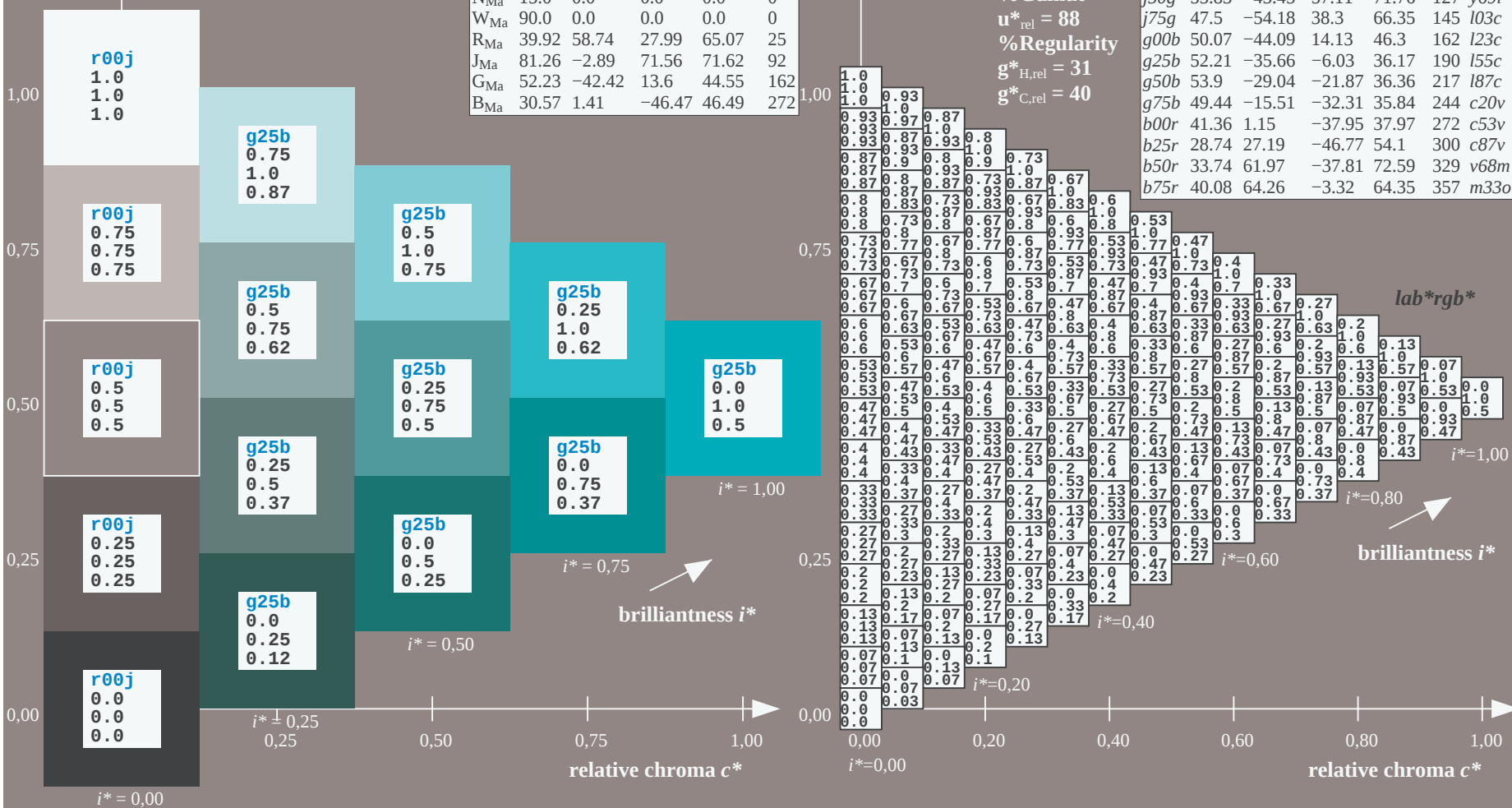
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

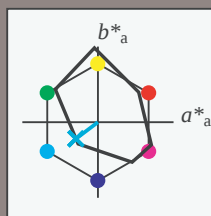
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

% Gamut

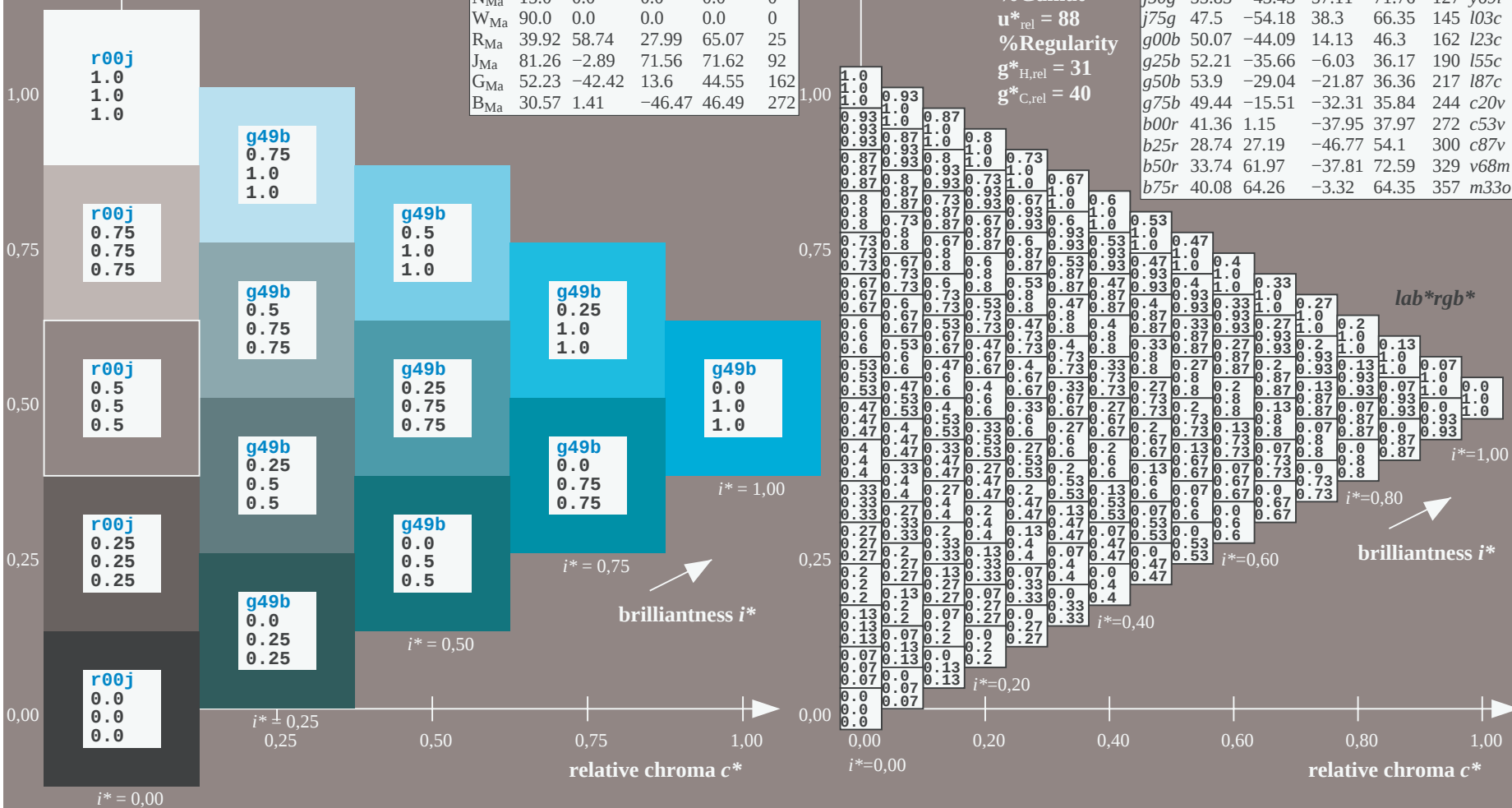
$u^*_{rel} = 88$

% Regularity

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

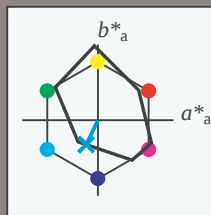
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

% Gamut

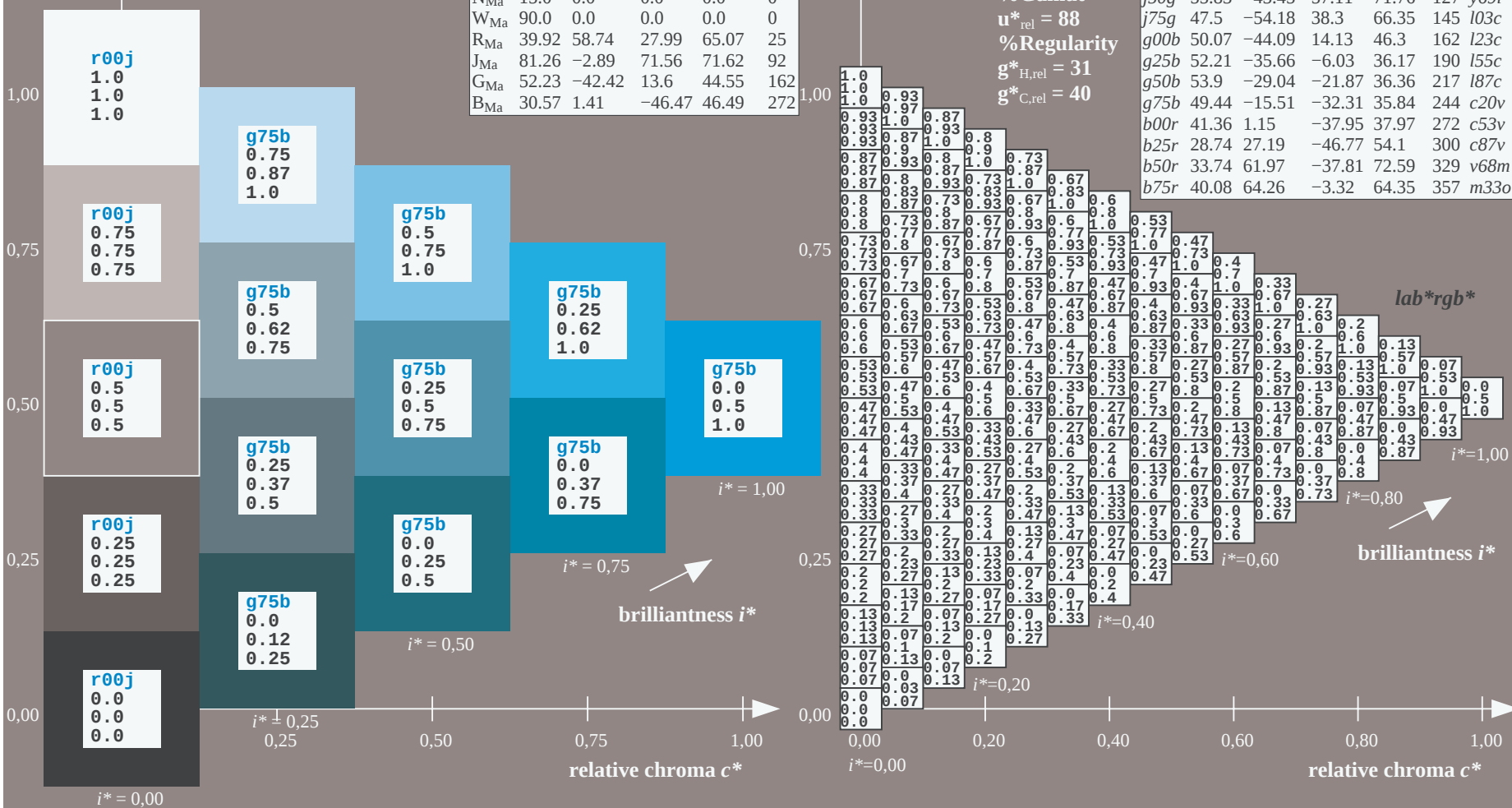
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

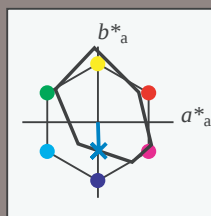
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

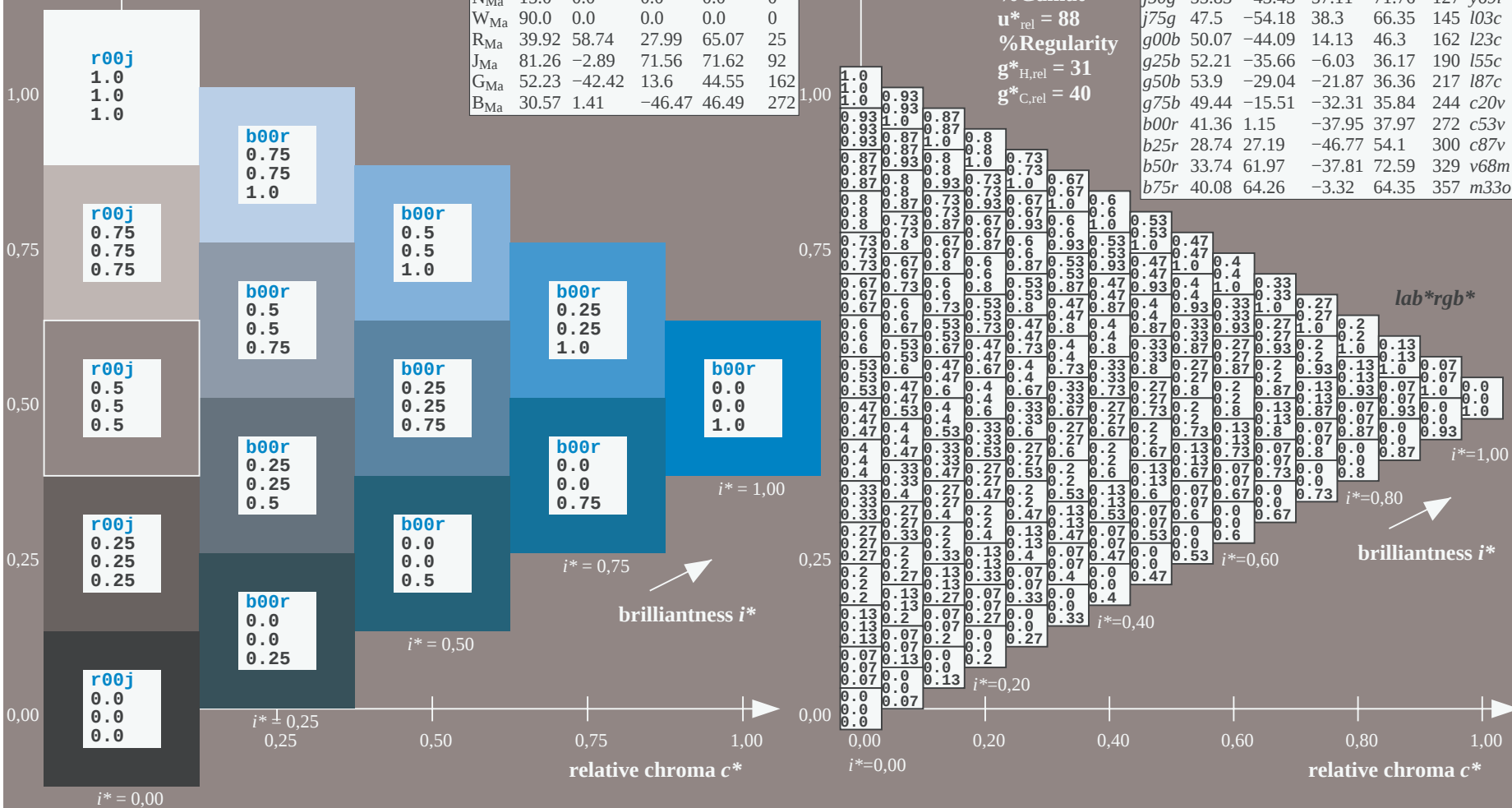
$u^*_{rel} = 88$

%Regularity

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

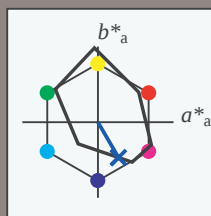
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

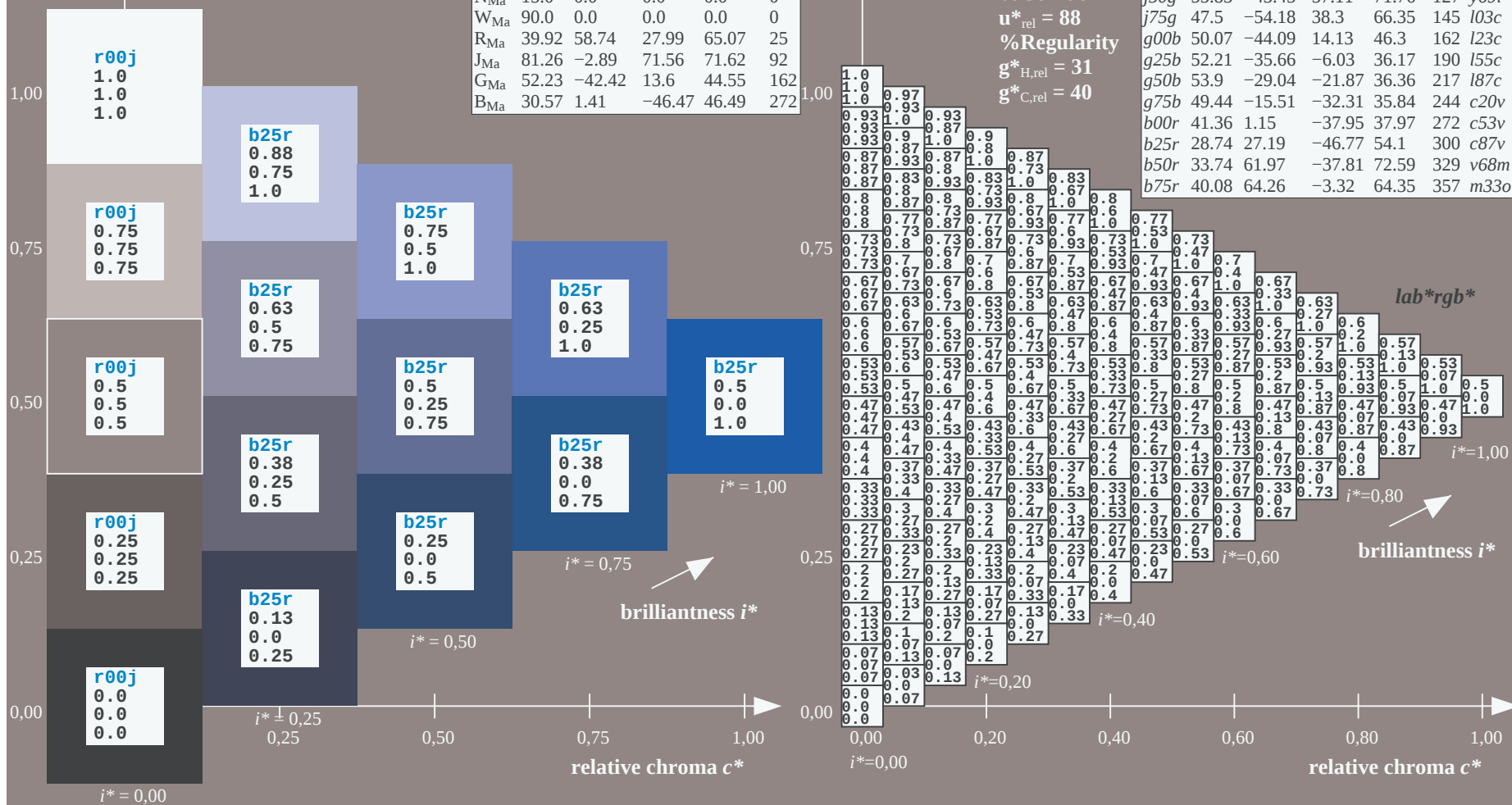
% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

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



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

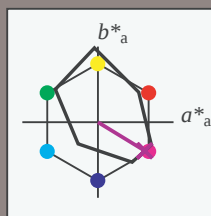
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

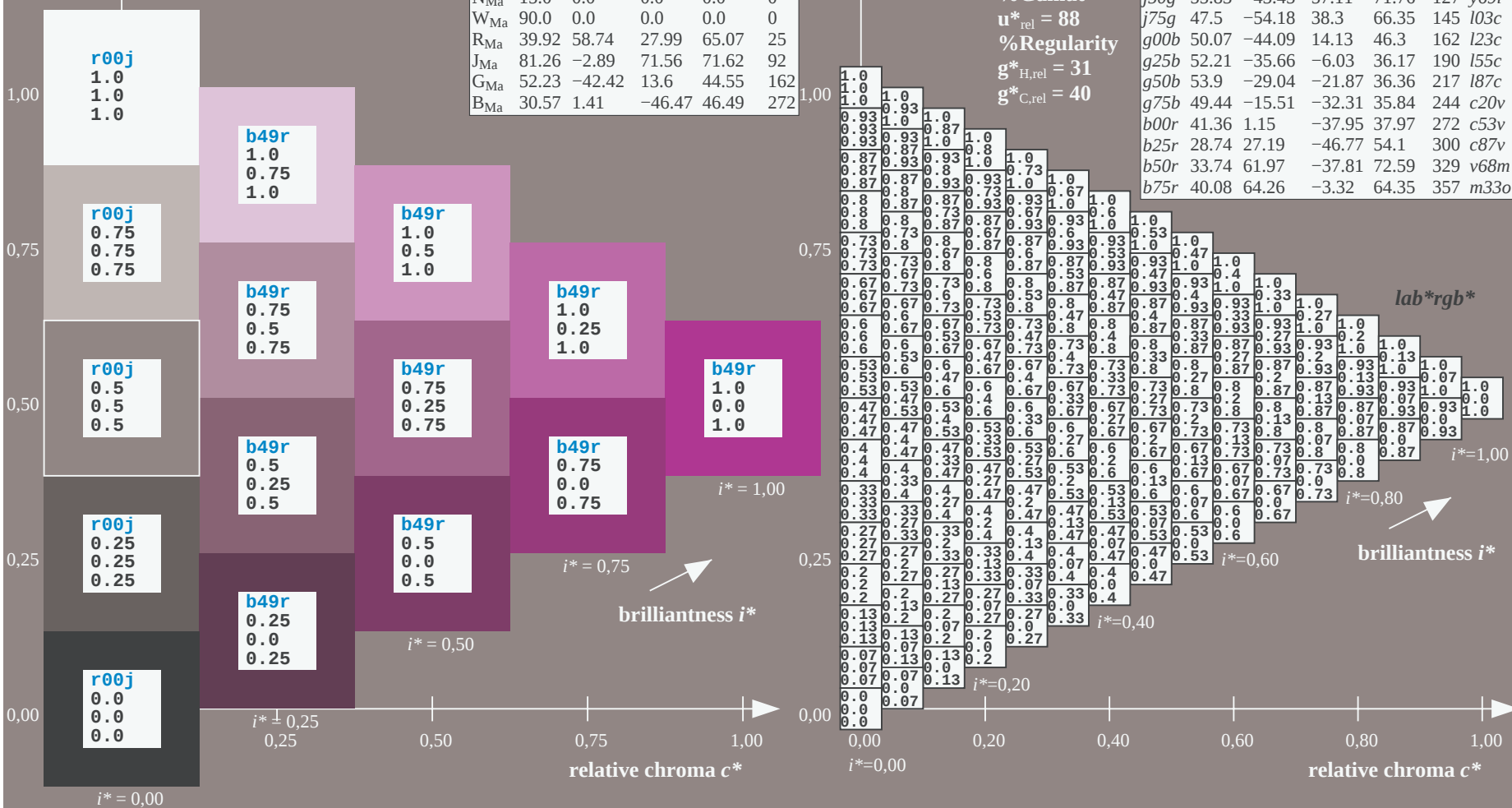
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

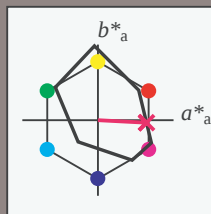
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

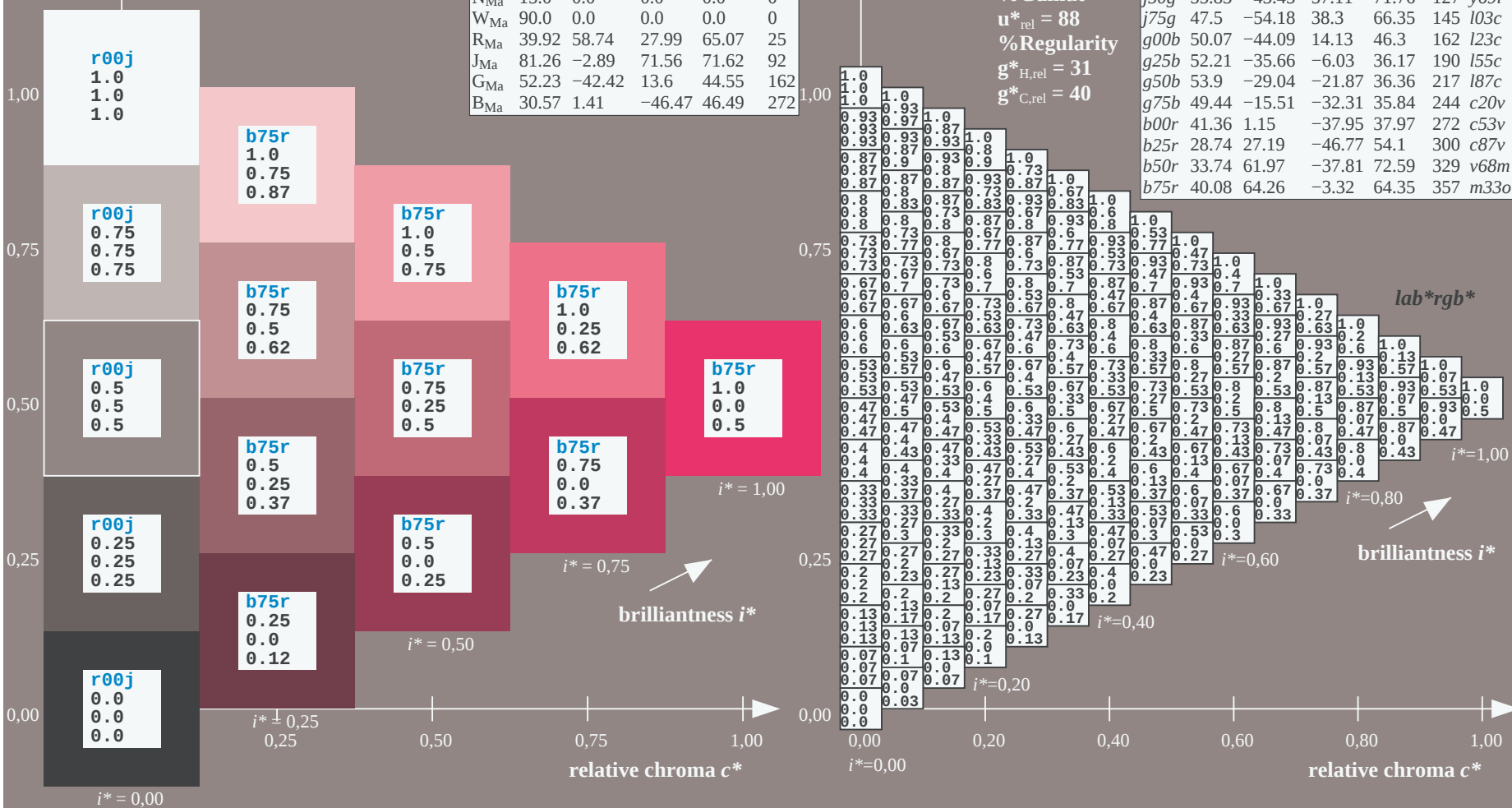
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

BAM registration: 20081001-Ee33/10/L.33E0FF.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

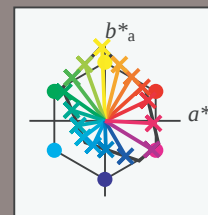
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*					
01	0.0	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.28	0.3	0.13	0.12	0.16	0.2	0.23	0.27	0.3	0.34	0.37	0.25	0.25	0.25	0.28	0.32	0.36	0.39	0.43	0.46	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.02	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.04	0.15	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.9	0.79	0.69	0.58	0.48	0.37	0.27	0.16	0.0	0.0	0.0	0.0			
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
02	0.09	0.0	0.0	0.0	0.0	0.03	0.06	0.1	0.13	0.13	0.13	0.16	0.2	0.23	0.27	0.3	0.34	0.37	0.25	0.25	0.25	0.28	0.32	0.36	0.39	0.43	0.46	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13	
	0.0	0.1	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.15	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.98	0.88	0.77	0.67	0.56	0.46	0.35	0.25	0.14	0.13	0.13	0.13	0.13	0.13	0.13	
	0.13	0.13	0.1	0.06	0.01	0.0	0.0	0.0	0.0	0.11	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.08	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.98	0.88	0.77	0.67	0.56	0.46	0.35	0.25	0.14	0.13	0.13	0.13	0.13	
03	0.17	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.21	0.13	0.13	0.13	0.13	0.15	0.19	0.22	0.25	0.25	0.25	0.29	0.32	0.36	0.39	0.43	0.46	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25	0.25	
	0.25	0.05	0.2	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.98	0.88	0.77	0.67	0.56	0.46	0.35	0.25	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13
	0.25	0.05	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.98	0.88	0.77	0.67	0.56	0.46	0.35	0.25	0.14	0.13	0.13	0.13	0.13	0.13	0.13	0.13
04	0.26	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.3	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.37	0.35	0.34	0.25	0.25	0.25	0.25	0.28	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38	
	0.0	0.0	0.11	0.3	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.14	0.33	0.5	0.63	0.75																											

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

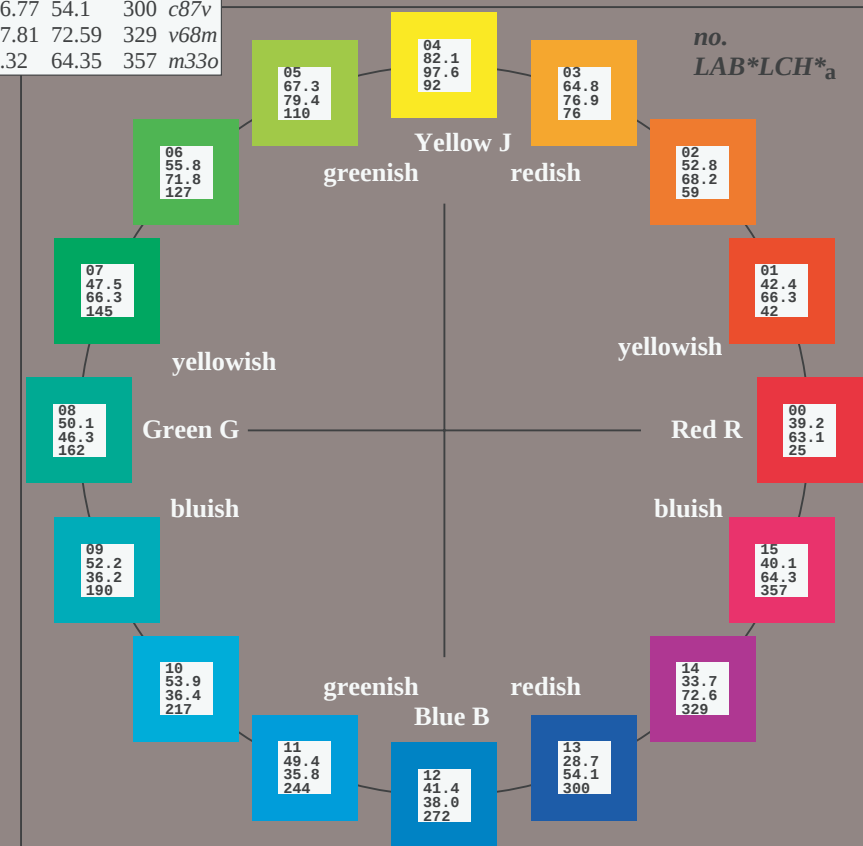
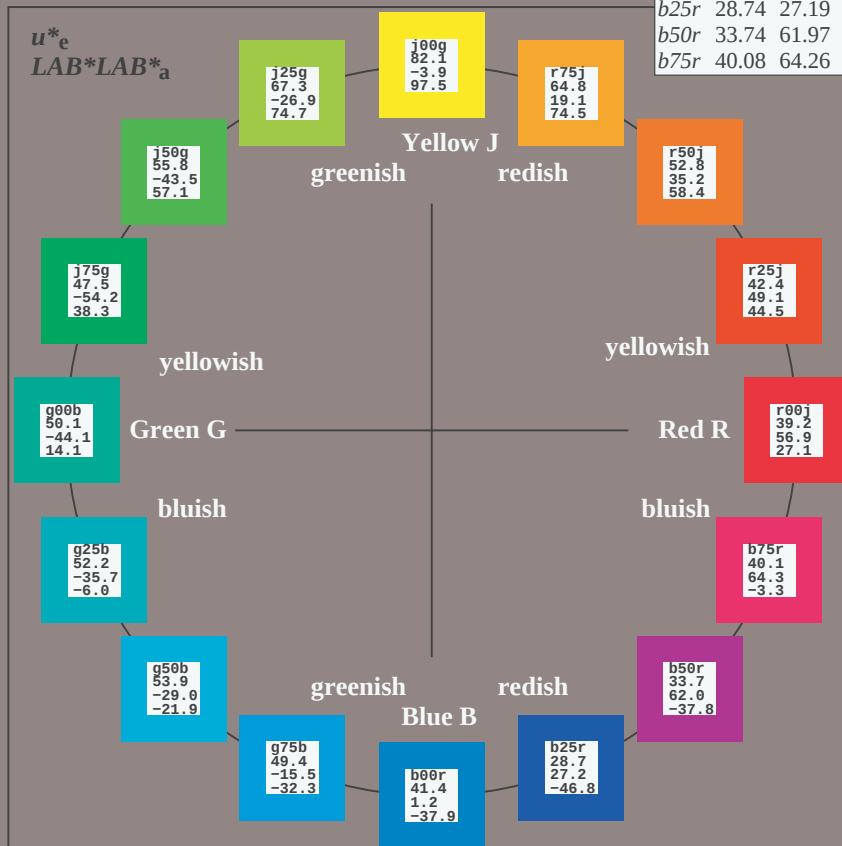
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

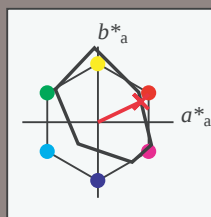
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_Ma$: 39 63 25

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

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

triangle lightness t^*

%Gamut

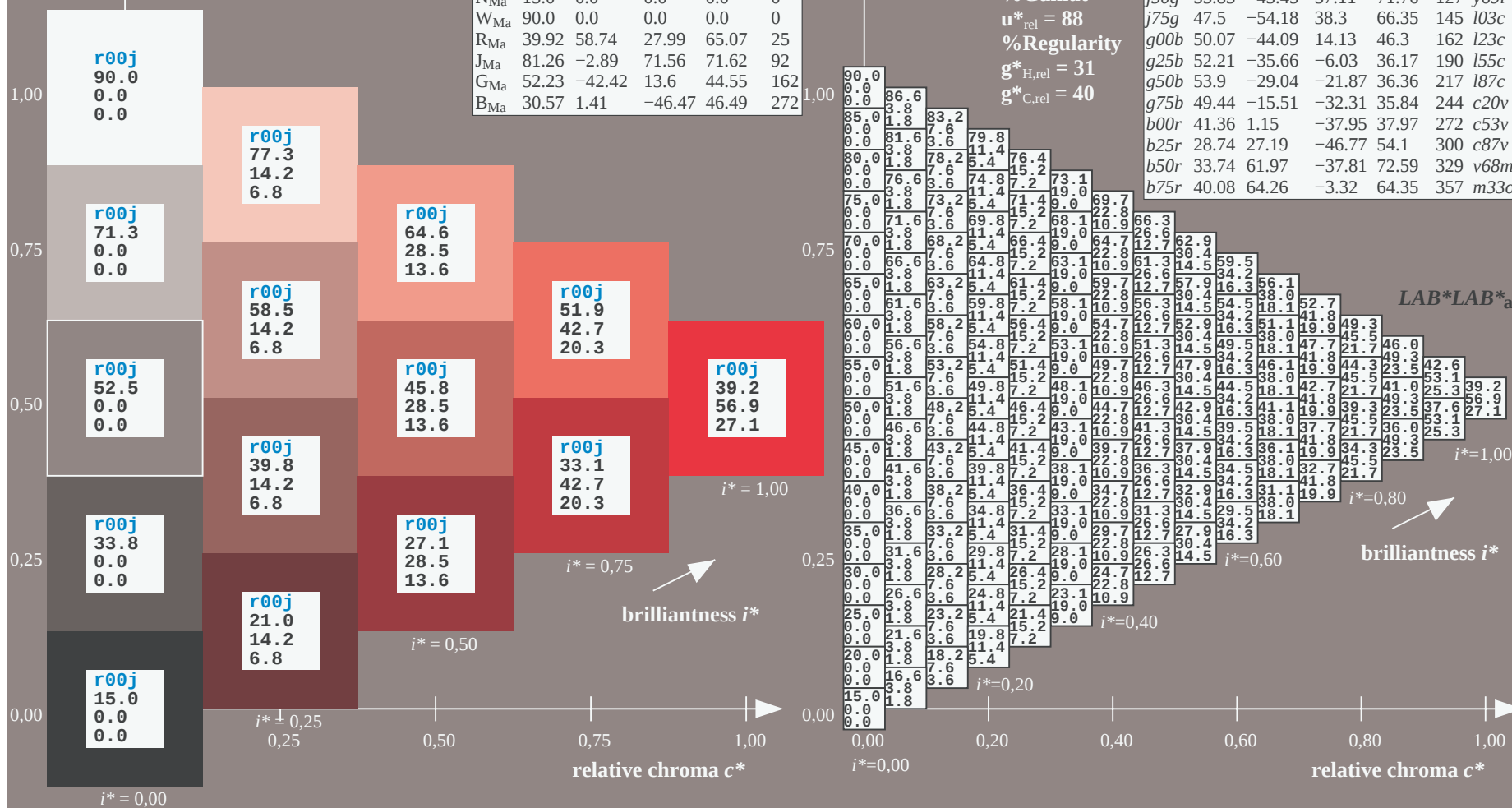
$u^*_{rel} = 88$

%Regularity

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

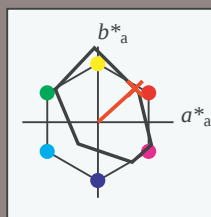
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

%Gamut

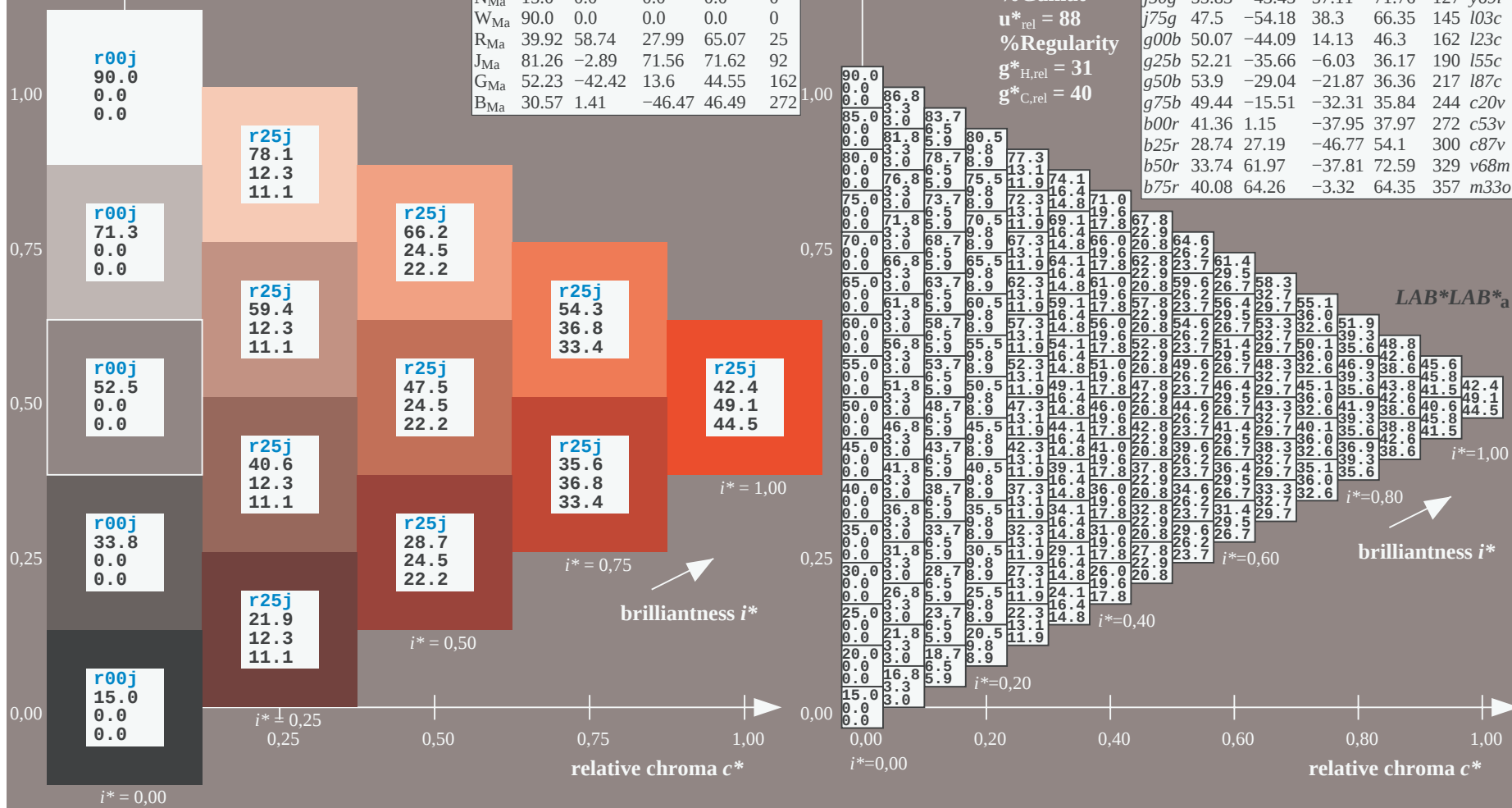
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

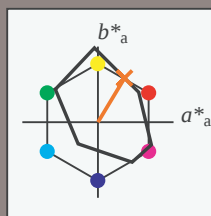
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

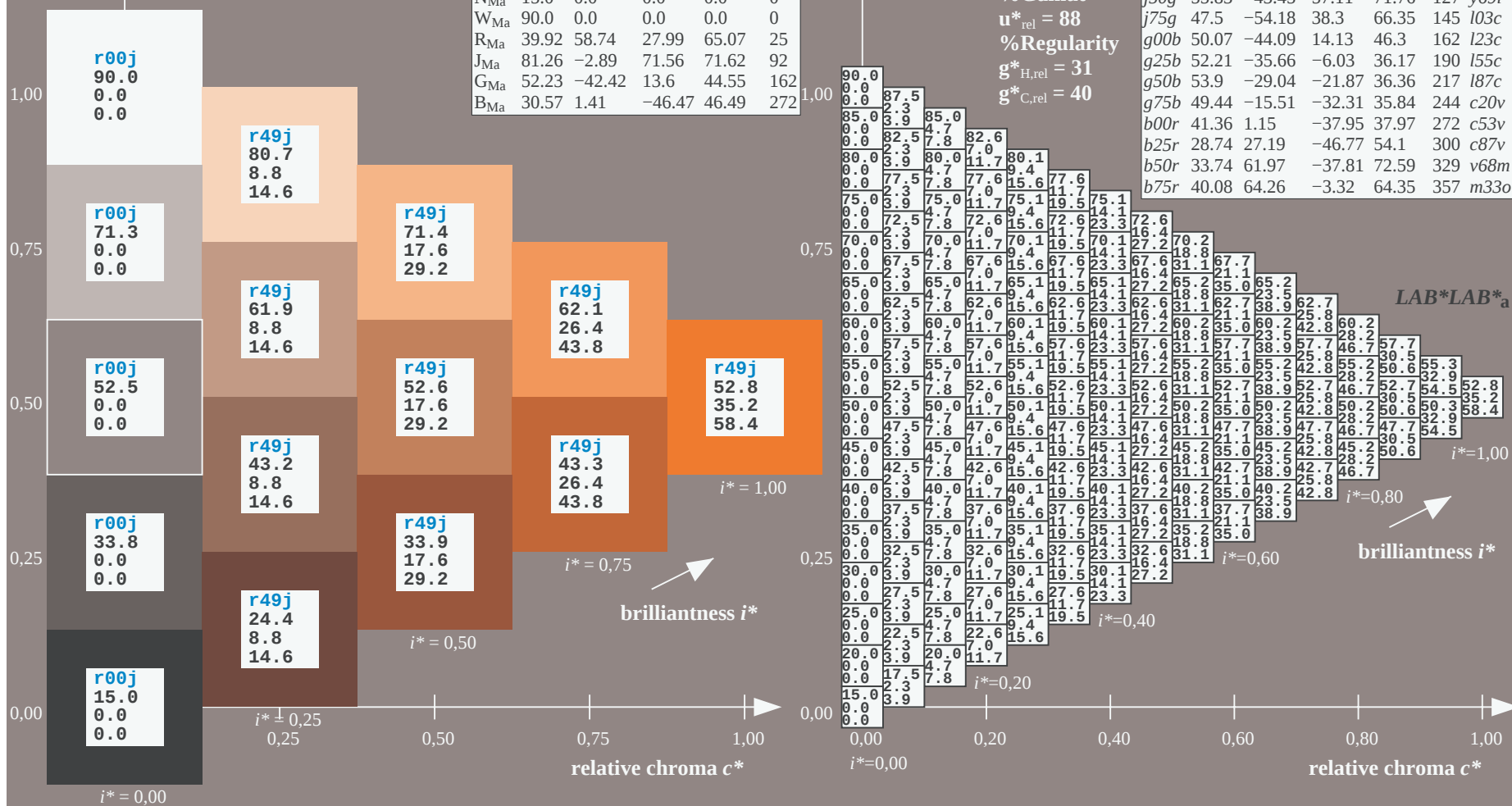
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

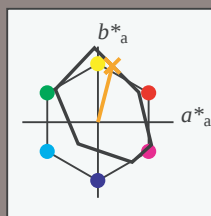
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

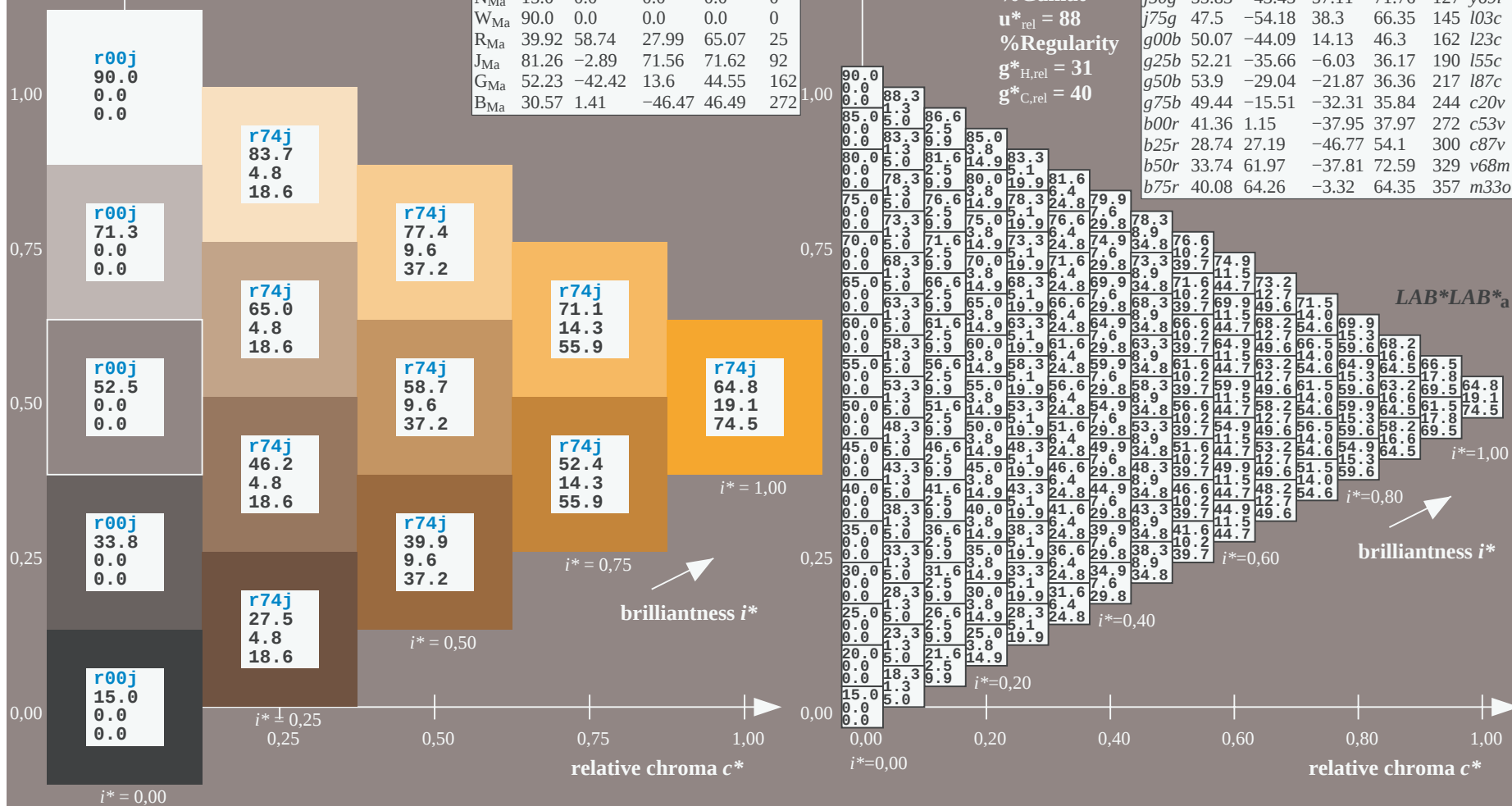
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

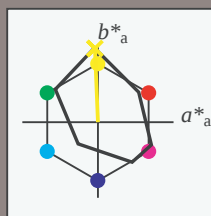
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 82 -4 98

$LAB^*LCH^*_Ma$: 82 98 92

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

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

triangle lightness t^*

%Gamut

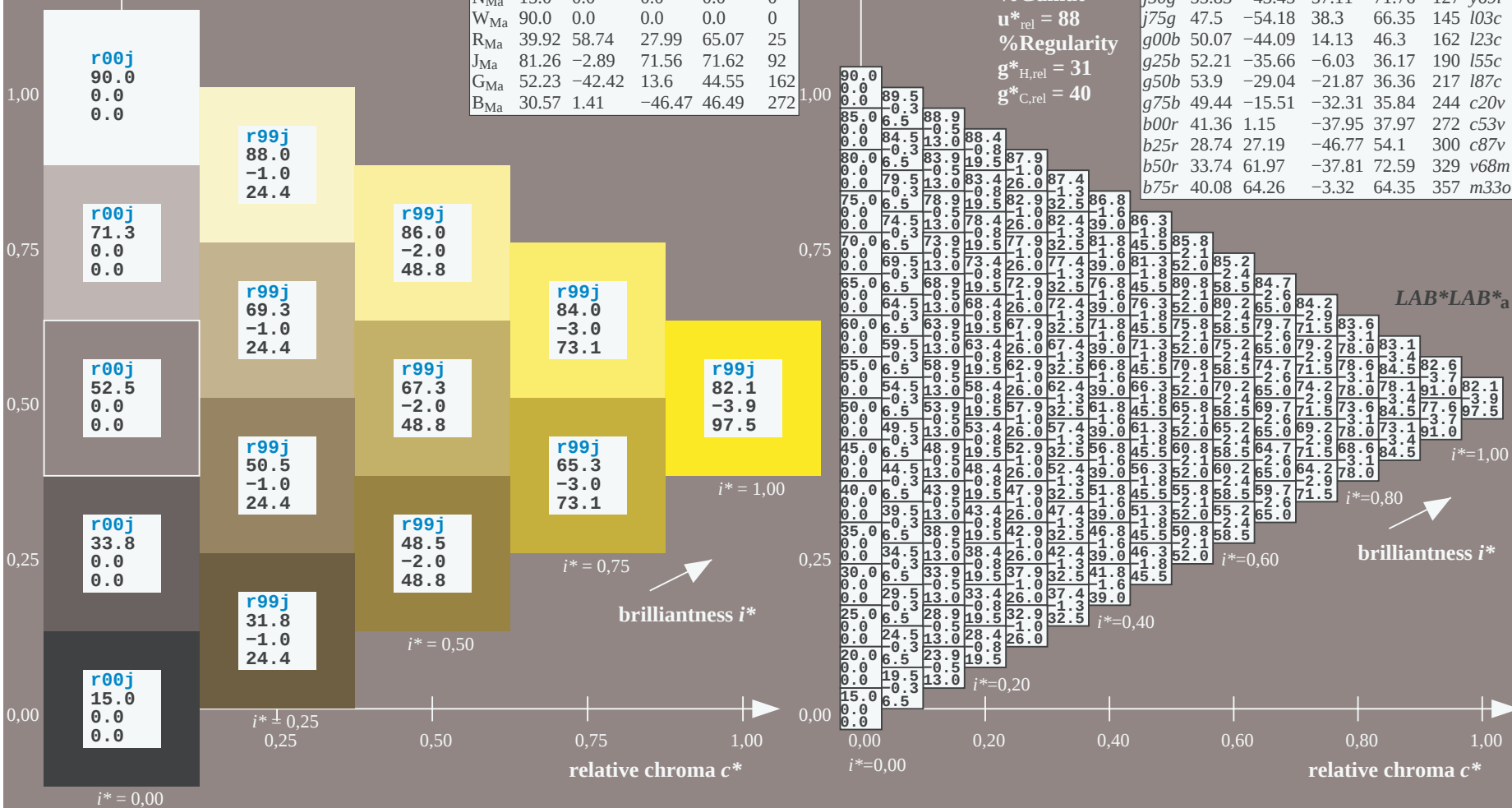
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

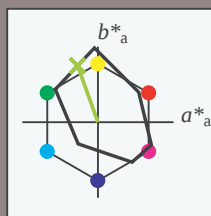
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

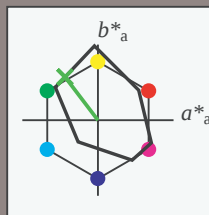
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

%Gamut

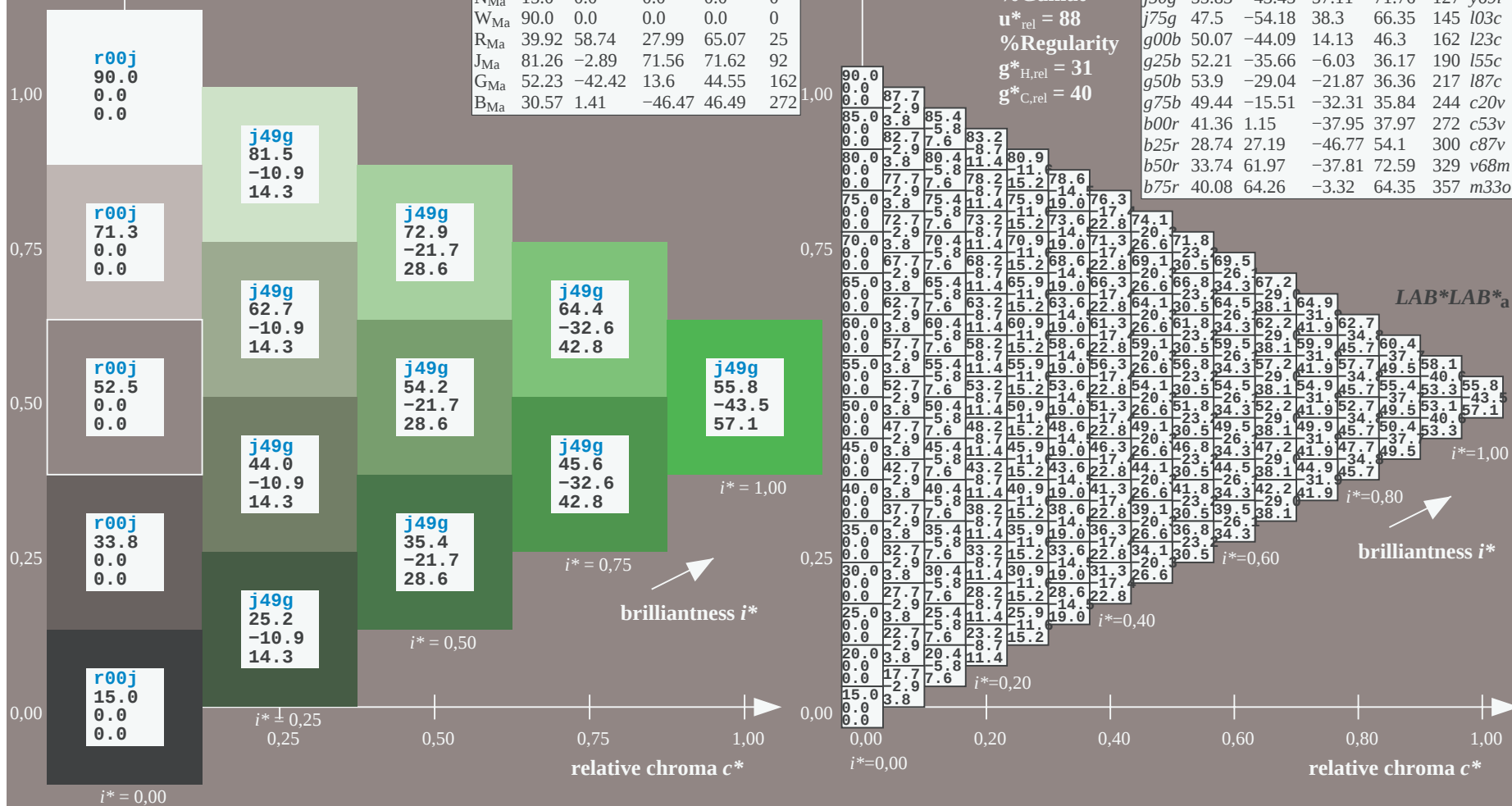
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

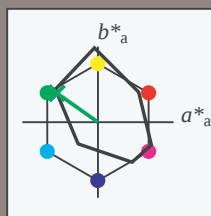
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

%Gamut

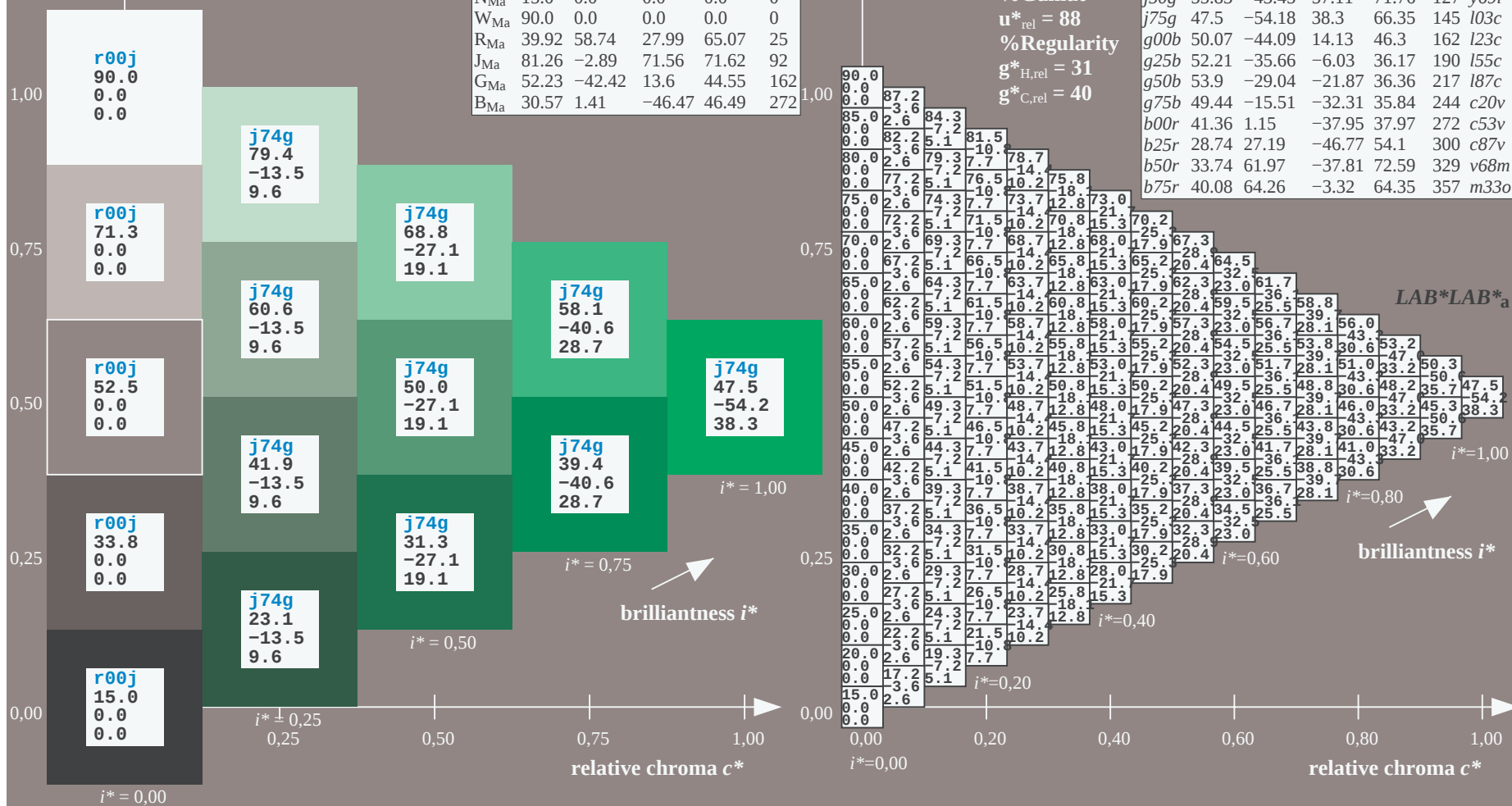
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

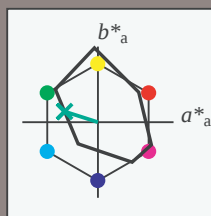
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

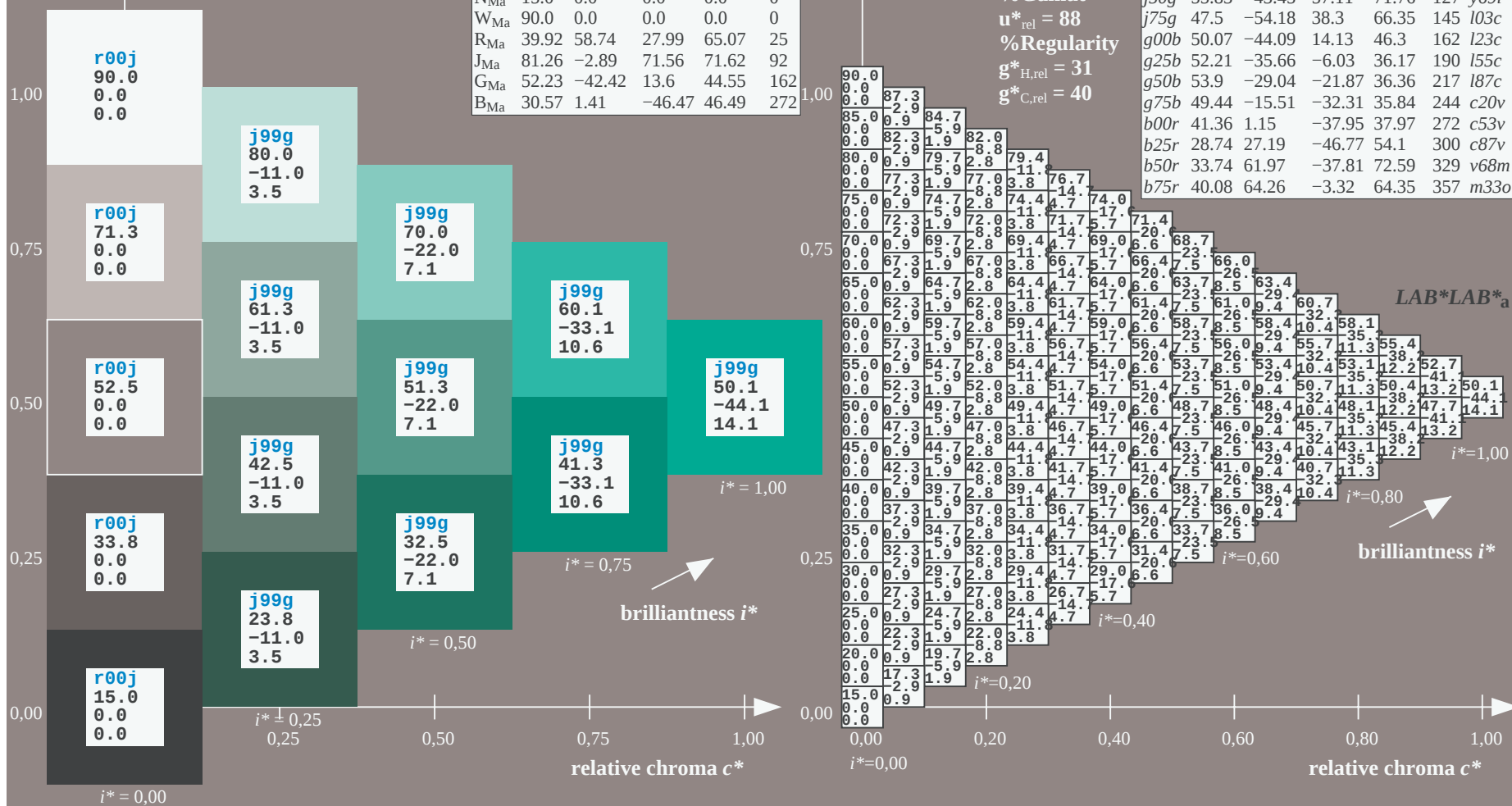
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

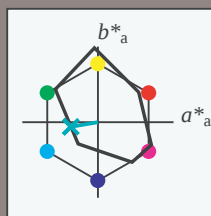
$u^*_e = g00b$
 $LAB^*LAB^*_a$



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

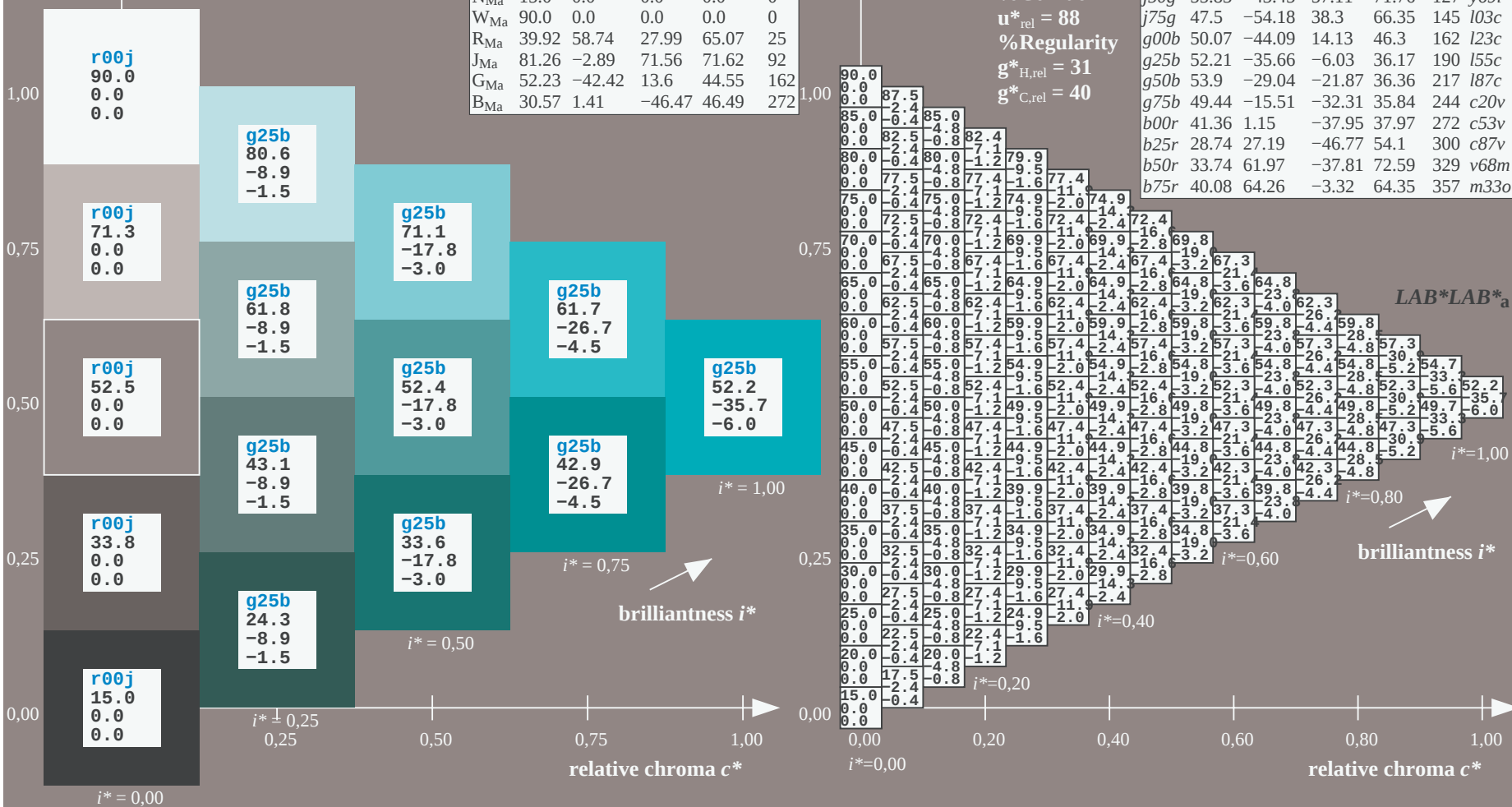
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

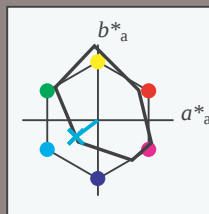
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

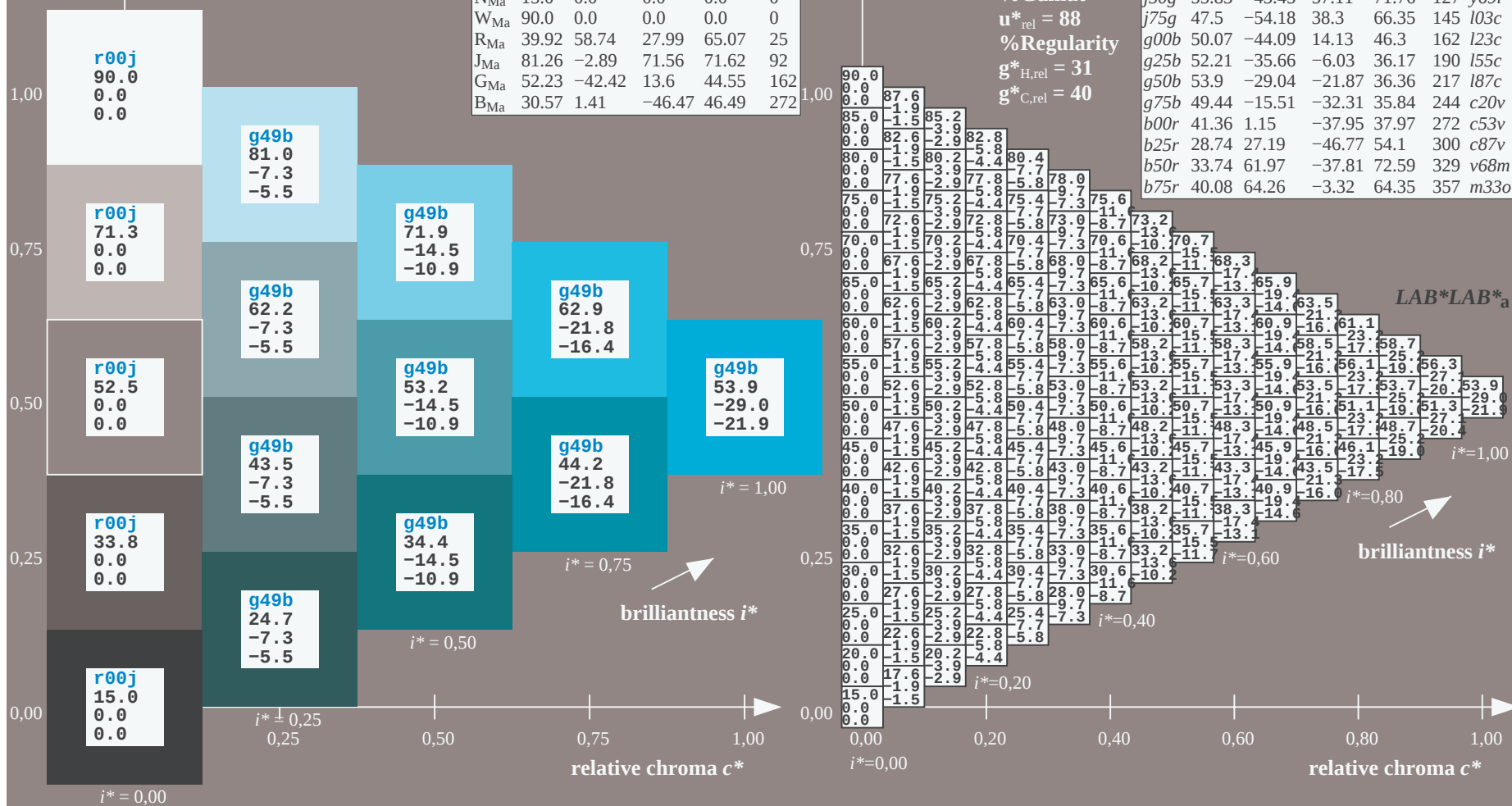
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

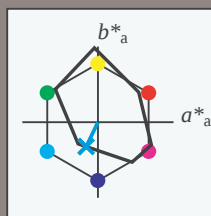
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

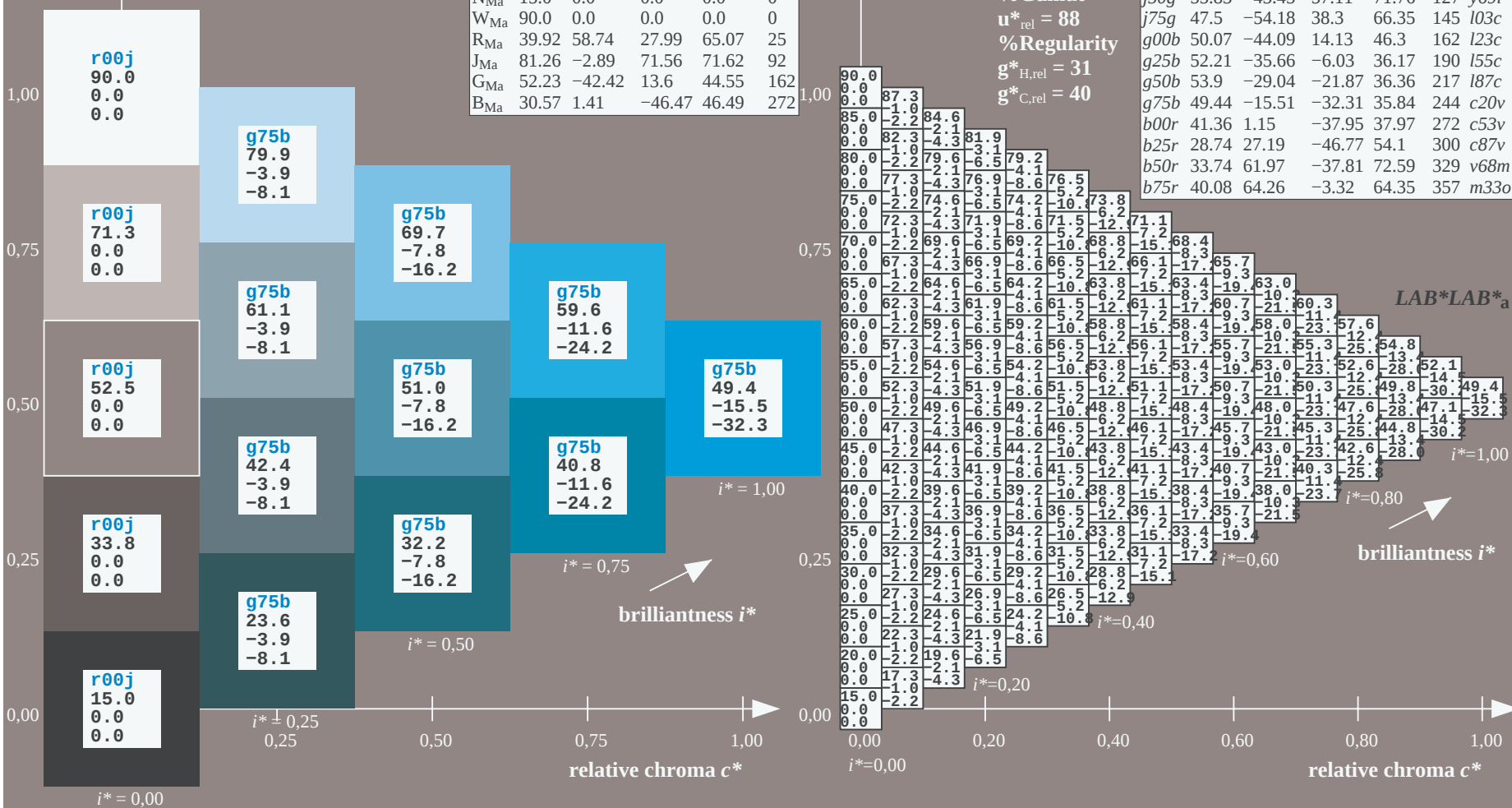
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

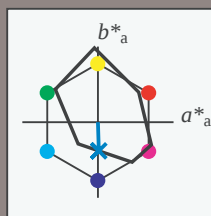
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 41 1 -38

$LAB^*LCH^*_Ma$: 41 38 271

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$LAB^*LAB^*_a$

brilliantness i^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

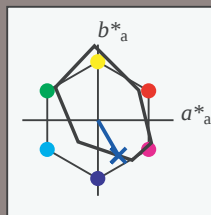
relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 29 27 -47

$LAB^*LCH^*_Ma$: 29 54 300

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

$lab^*olv^*_Ma$: 0.0 0.12 1.0

triangle lightness t^*

%Gamut

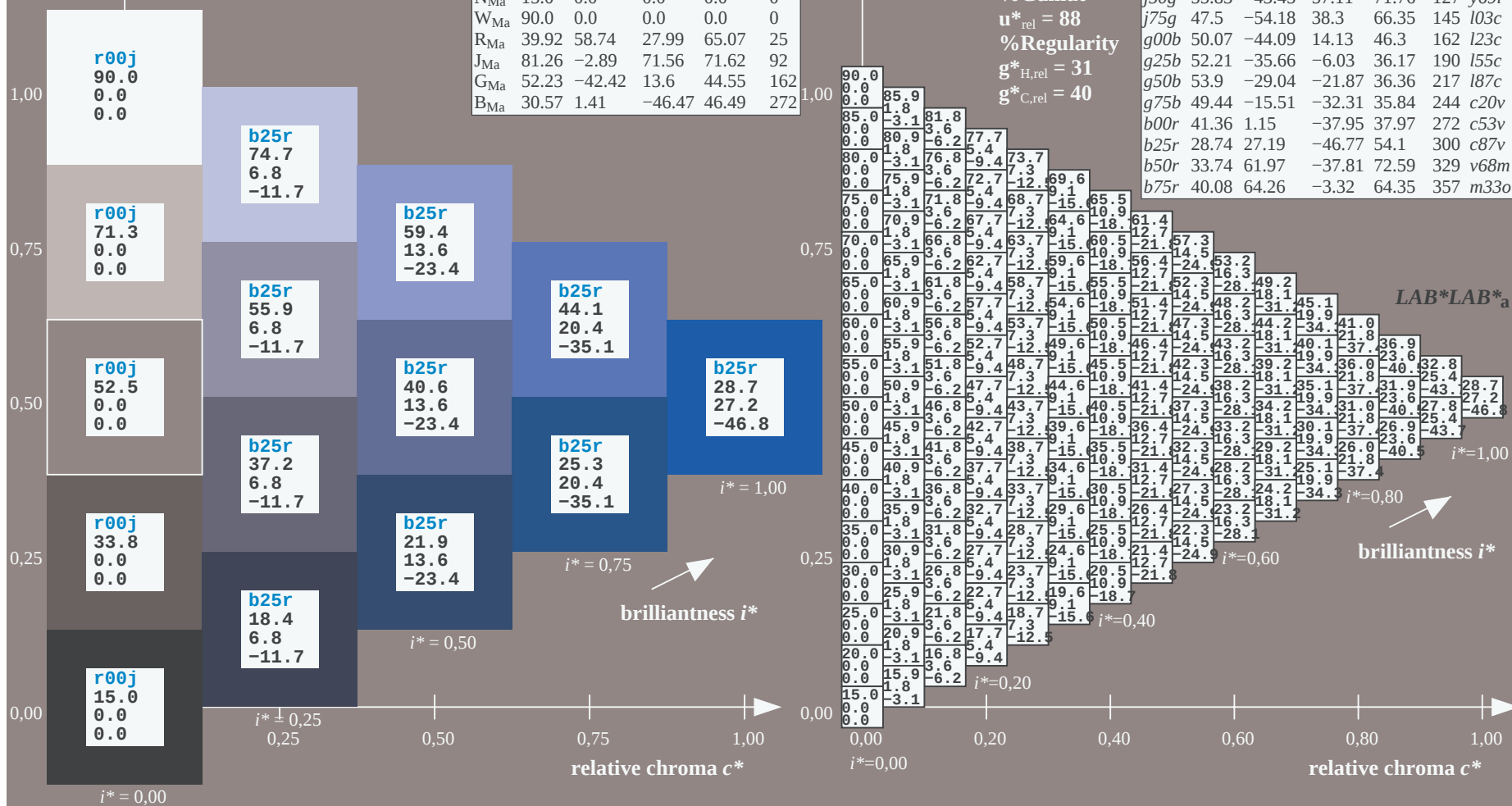
$u^*_{rel} = 88$

%Regularity

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

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

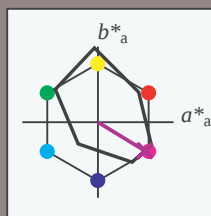
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

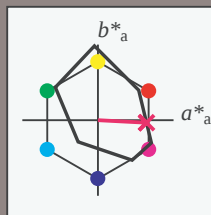
$u^*_e = b50r$
 $LAB^*LAB^*_{Ma}$

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

brilliantness i^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m33o$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

%Gamut

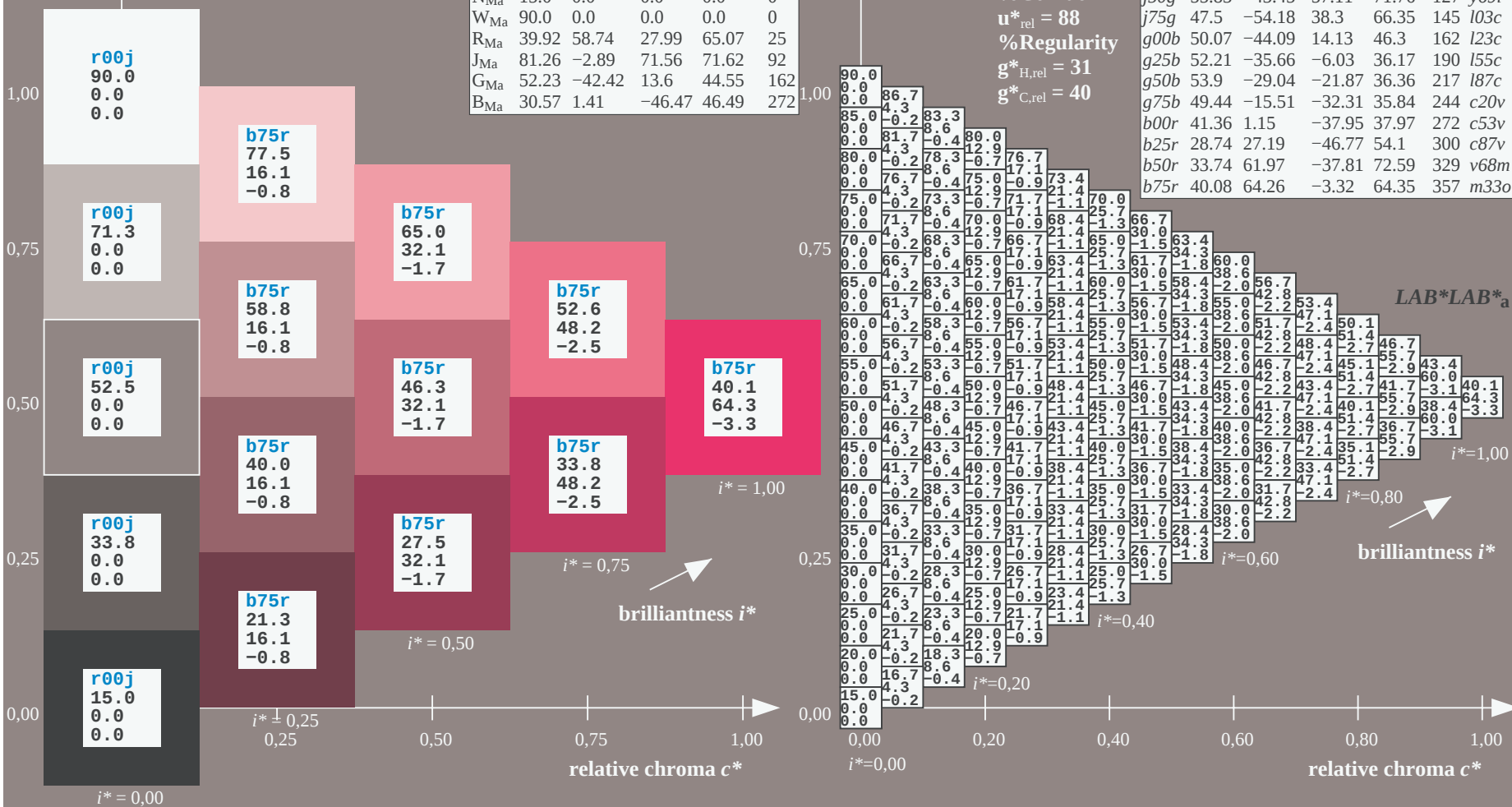
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, CIELAB, ColSpx=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	15.0	19.0	23.0	27.0	31.0	35.0	39.0	43.0	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0	107.0	111.0	115.0	119.0	123.0	127.0	131.0	135.0	139.0	143.0	147.0	151.0	155.0	159.0	163.0	167.0	171.0	175.0	179.0	183.0	187.0	191.0	195.0	199.0	203.0	207.0	211.0	215.0	219.0	223.0	227.0	231.0	235.0	239.0	243.0	247.0	251.0	255.0	259.0	263.0	267.0	271.0	275.0	279.0	283.0	287.0	291.0	295.0	299.0	303.0	307.0	311.0	315.0	319.0	323.0	327.0	331.0	335.0	339.0	343.0	347.0	351.0	355.0	359.0	363.0	367.0	371.0	375.0	379.0	383.0	387.0	391.0	395.0	399.0	403.0	407.0	411.0	415.0	419.0	423.0	427.0	431.0	435.0	439.0	443.0	447.0	451.0	455.0	459.0	463.0	467.0	471.0	475.0	479.0	483.0	487.0	491.0	495.0	499.0	503.0	507.0	511.0	515.0	519.0	523.0	527.0	531.0	535.0	539.0	543.0	547.0	551.0	555.0	559.0	563.0	567.0	571.0	575.0	579.0	583.0	587.0	591.0	595.0	599.0	603.0	607.0	611.0	615.0	619.0	623.0	627.0	631.0	635.0	639.0	643.0	647.0	651.0	655.0	659.0	663.0	667.0	671.0	675.0	679.0	683.0	687.0	691.0	695.0	699.0	703.0	707.0	711.0	715.0	719.0	723.0	727.0	731.0	735.0	739.0	743.0	747.0	751.0	755.0	759.0	763.0	767.0	771.0	775.0	779.0	783.0	787.0	791.0	795.0	799.0	803.0	807.0	811.0	815.0	819.0	823.0	827.0	831.0	835.0	839.0	843.0	847.0	851.0	855.0	859.0	863.0	867.0	871.0	875.0	879.0	883.0	887.0	891.0	895.0	899.0	903.0	907.0	911.0	915.0	919.0	923.0	927.0	931.0	935.0	939.0	943.0	947.0	951.0	955.0	959.0	963.0	967.0	971.0	975.0	979.0	983.0	987.0	991.0	995.0	999.0	1003.0	1007.0	1011.0	1015.0	1019.0	1023.0	1027.0	1031.0	1035.0	1039.0	1043.0	1047.0	1051.0	1055.0	1059.0	1063.0	1067.0	1071.0	1075.0	1079.0	1083.0	1087.0	1091.0	1095.0	1099.0	1103.0	1107.0	1111.0	1115.0	1119.0	1123.0	1127.0	1131.0	1135.0	1139.0	1143.0	1147.0	1151.0	1155.0	1159.0	1163.0	1167.0	1171.0	1175.0	1179.0	1183.0	1187.0	1191.0	1195.0	1199.0	1203.0	1207.0	1211.0	1215.0	1219.0	1223.0	1227.0	1231.0	1235.0	1239.0	1243.0	1247.0	1251.0	1255.0	1259.0	1263.0	1267.0	1271.0	1275.0	1279.0	1283.0	1287.0	1291.0	1295.0	1299.0	1303.0	1307.0	1311.0	1315.0	1319.0	1323.0	1327.0	1331.0	1335.0	1339.0	1343.0	1347.0	1351.0	1355.0	1359.0	1363.0	1367.0	1371.0	1375.0	1379.0	1383.0	1387.0	1391.0	1395.0	1399.0	1403.0	1407.0	1411.0	1415.0	1419.0	1423.0	1427.0	1431.0	1435.0	1439.0	1443.0	1447.0	1451.0	1455.0	1459.0	1463.0	1467.0	1471.0	1475.0	1479.0	1483.0	1487.0	1491.0	1495.0	1499.0	1503.0	1507.0	1511.0	1515.0	1519.0	1523.0	1527.0	1531.0	1535.0	1539.0	1543.0	1547.0	1551.0	1555.0	1559.0	1563.0	1567.0	1571.0	1575.0	1579.0	1583.0	1587.0	1591.0	1595.0	1599.0	1603.0	1607.0	1611.0	1615.0	1619.0	1623.0	1627.0	1631.0	1635.0	1639.0	1643.0	1647.0	1651.0	1655.0	1659.0	1663.0	1667.0	1671.0	1675.0	1679.0	1683.0	1687.0	1691.0	1695.0	1699.0	1703.0	1707.0	1711.0	1715.0	1719.0	1723.0	1727.0	1731.0	1735.0	1739.0	1743.0	1747.0	1751.0	1755.0	1759.0	1763.0	1767.0	1771.0	1775.0	1779.0	1783.0	1787.0	1791.0	1795.0	1799.0	1803.0	1807.0	1811.0	1815.0	1819.0	1823.0	1827.0	1831.0	1835.0	1839.0	1843.0	1847.0	1851.0	1855.0	1859.0	1863.0	1867.0	1871.0	1875.0	1879.0	1883.0	1887.0	1891.0	1895.0	1899.0	1903.0	1907.0	1911.0	1915.0	1919.0	1923.0	1927.0	1931.0	1935.0	1939.0	1943.0	1947.0	1951.0	1955.0	1959.0	1963.0	1967.0	1971.0	1975.0	1979.0	1983.0	1987.0	1991.0	1995.0	1999.0	2003.0	2007.0	2011.0	2015.0	2019.0	2023.0	2027.0	2031.0	2035.0	2039.0	2043.0	2047.0	2051.0	2055.0	2059.0	2063.0	2067.0	2071.0	2075.0	2079.0	2083.0	2087.0	2091.0	2095.0	2099.0	2103.0	2107.0	2111.0	2115.0	2119.0	2123.0	2127.0	2131.0	2135.0	2139.0	2143.0	2147.0	2151.0	2155.0	2159.0	2163.0	2167.0	2171.0	2175.0	2179.0	2183.0	2187.0	2191.0	2195.0	2199.0	2203.0	2207.0	2211.0	2215.0	2219.0	2223.0	2227.0	2231.0	2235.0	2239.0	2243.0	2247.0	2251.0	2255.0	2259.0	2263.0	2267.0	2271.0	2275.0	2279.0	2283.0	2287.0	2291.0	2295.0	2299.0	2303.0	2307.0	2311.0	2315.0	2319.0	2323.0	2327.0	2331.0	2335.0	2339.0	2343.0	2347.0	2351.0	2355.0	2359.0	2363.0	2367.0	2371.0	2375.0	2379.0	2383.0	2387.0	2391.0	2395.0	2399.0	2403.0	2407.0	2411.0	2415.0	2419.0	2423.0	2427.0	2431.0	2435.0	2439.0	2443.0	2447.0	2451.0	2455.0	2459.0	2463.0	2467.0	2471.0	2475.0	2479.0	2483.0	2487.0	2491.0	2495.0	2499.0	2503.0	2507.0	2511.0	2515.0	2519.0	2523.0	2527.0	2531.0	2535.0	2539.0	2543.0	2547.0	2551.0	2555.0	2559.0	2563.0	2567.0	2571.0	2575.0	2579.0	2583.0	2587.0	2591.0	2595.0	2599.0	2603.0	2607.0	2611.0	2615.0	2619.0	2623.0	2627.0	2631.0	2635.0	2639.0	2643.0	2647.0	2651.0	2655.0	2659.0	2663.0	2667.0	2671.0	2675.0	2679.0	2683.0	2687.0	2691.0	2695.0	2699.0	2703.0	2707.0	2711.0	2715.0	2719.0	2723.0	2727.0	2731.0	2735.0	2739.0	2743.0	2747.0	2751.0	2755.0	2759.0	2763.0	2767.0	2771.0	2775.0	2779.0	2783.0	2787.0	2791.0	2795.0	2799.0	2803.0	2807.0	2811.0	2815.0	2819.0	2823.0	2827.0	2831.0	2835.0	2839.0	2843.0	2847.0	2851.0	2855.0	2859.0	2863.0	2867.0	2871.0	2875.0	2879.0	2883.0	2887.0	2891.0	2895.0	2899.0	2903.0	2907.0	2911.0	2915.0	2919.0	2923.0	2927.0	2931.0	2935.0	2939.0	2943.0	2947.0	2951.0	2955.0	2959.0	2963.0	2967.0	2971.0	2975.0	2979.0	2983.0	2987.0	2991.0	2995.0	2999.0	3003.0	3007.0	3011.0	3015.0	3019.0	3023.0	3027.0	3031.0	3035.0	3039.0	3043.0	3047.0	3051.0	3055.0	3059.0	3063.0	3067.0	3071.0	3075.0	3079.0	3083.0	3087.0	3091.0	3095.0	3099.0	3103.0	3107.0	3111.0	3115.0	3119.0	3123.0	3127.0	3131.0	3135.0	3139.0	3143.0	3147.0	3151.0	3155.0	3159.0	3163.0	3167.0	3171.0	3175.0	3179.0	3183.0	3187.0	3191.0	3195.0	3199.0	3203.0	3207.0	3211.0	3215.0	3219.0	3223.0	3227.0	3231.0	3235.0	3239.0	3243.0	3247.0	3251.0	3255.0	3259.0	3263.0	3267.0	3271.0	3275.0	3279.0	3283.0	3287.0	3291.0	3295.0	3299.0	3303.0	3307.0	3311.0	3315.0	3319.0	3323.0	3327.0	3331.0	3335.0	3339.0	3343.0	3347.0	3351.0	3355.0	3359.0	3363.0	3367.0	3371.0	3375.0	3379.0	3383.0	3387.0	3391.0	3395.0	3399.0	3403.0	3407.0	3411.0	3415.0	3419.0	3423.0	3427.0	3431.0	3435.0	3439.0	3443.0	3447.0	3451.0	3455.0	3459.0	3463.0	3467.0	3471.0	3475.0	3479.0	3483.0	3487.0	3491.0	3495.0	3499.0	3503.0	3507.0	3511.0	3515.0	3519.0	3523.0	3527.0	3531.0	3535.0	3539.0	3543.0	3547.0	3551.0	3555.0	3559.0	3563.0	3567.0	3571.0	3575.0	3579.0	3583.0	3587.0	3591.0	3595.0	3599.0	3603.0	3607.0	3611.0	3615.0	3619.0	3623.0	3627.0	3631.0	3635.0	3639.0	3643.0	3647.0	3651.0	3655.0	3659.0	3663.0	3667.0	3671.0	3675.0	3679.0	3683.0	3687.0	3691.0	3695.0	3699.0	3703.0	3707.0	375

Input and output:

Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

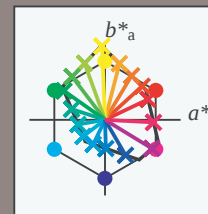
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$$c_R = 0.9$$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

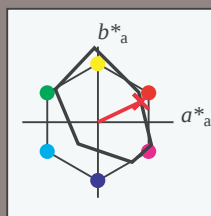
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

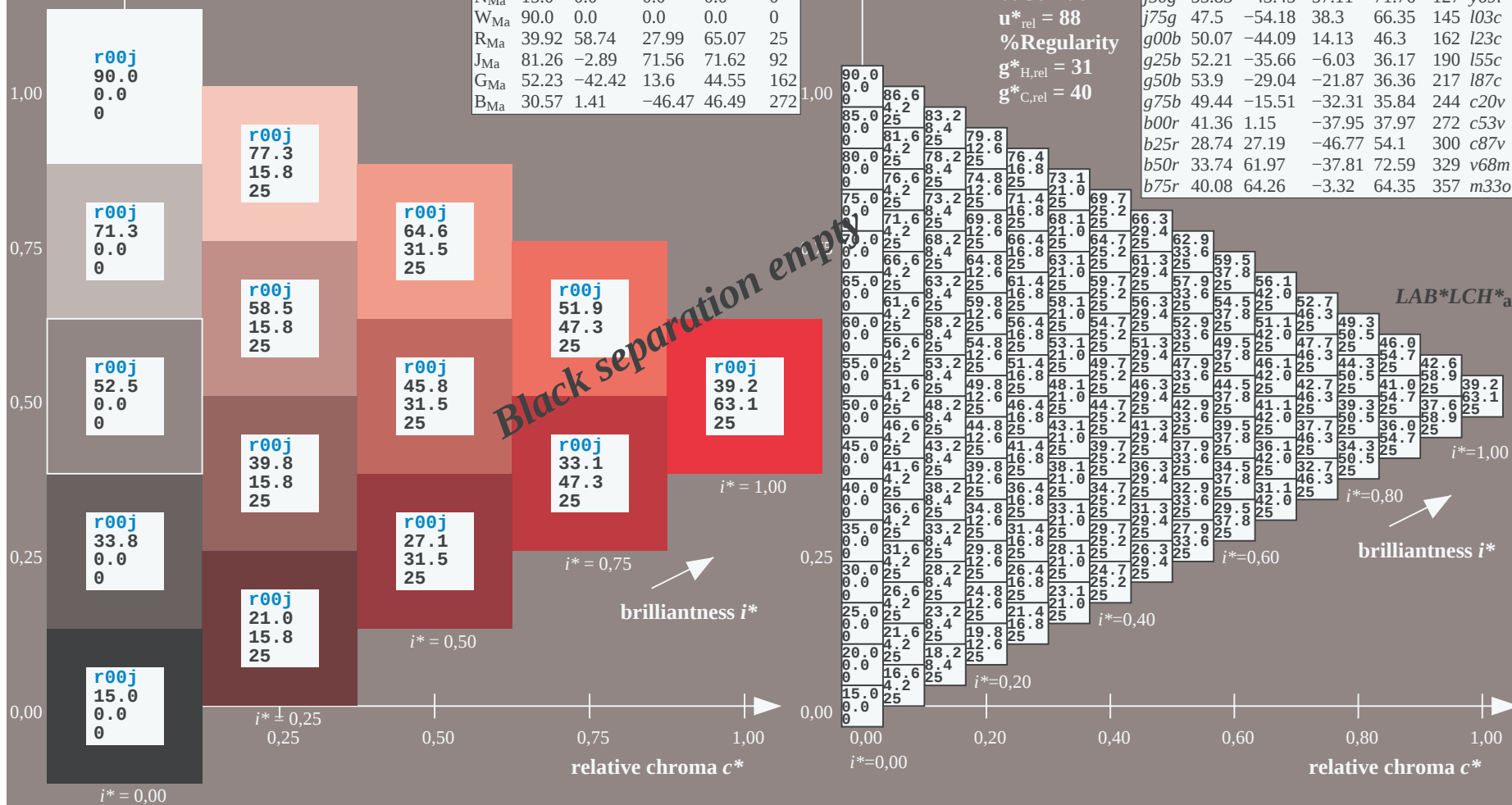
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

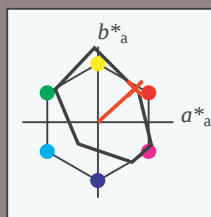
$u^*_e = r00j$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

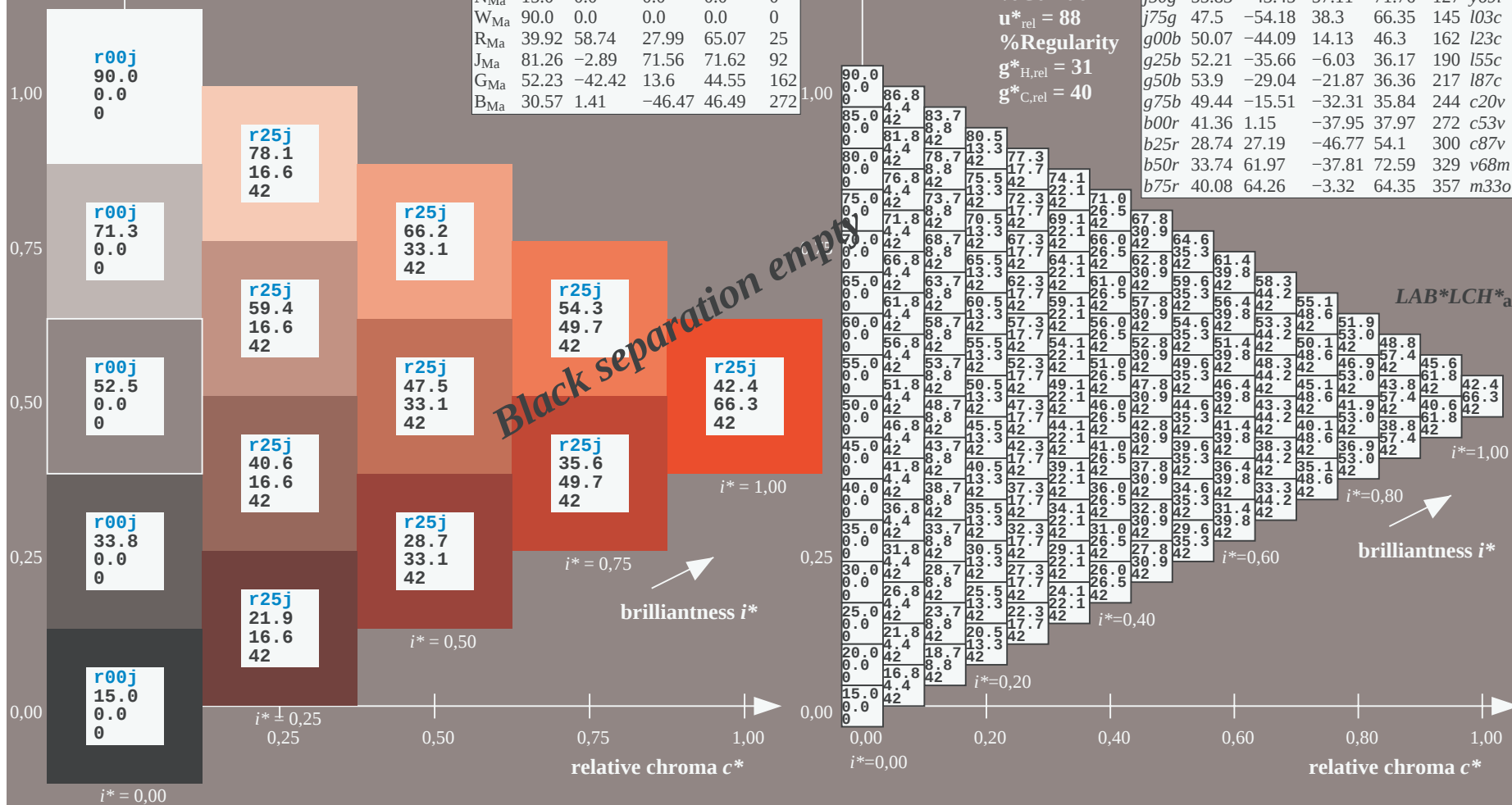
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u_e^* = r25j$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:

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

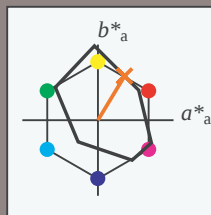
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

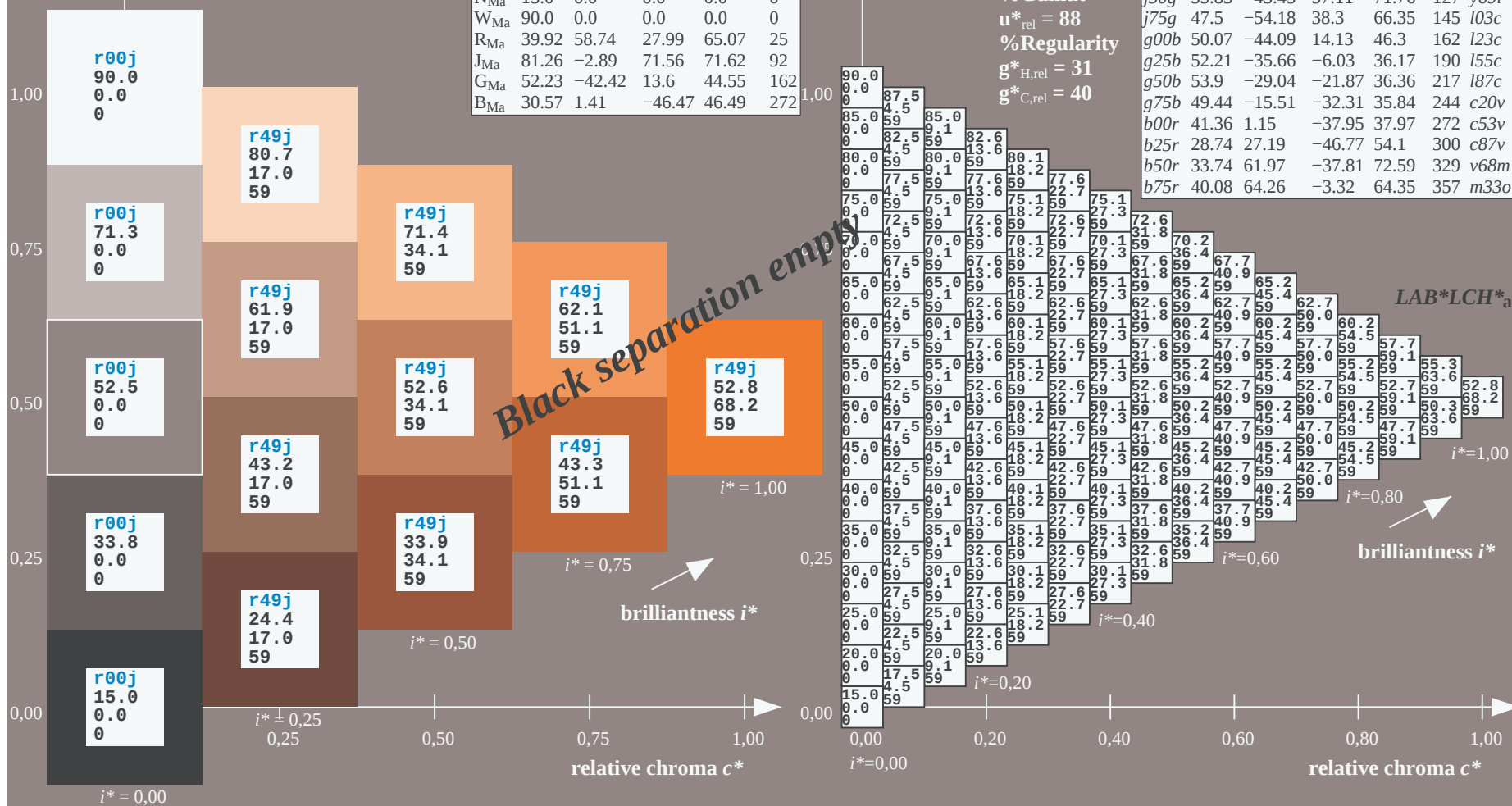
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = r50j$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

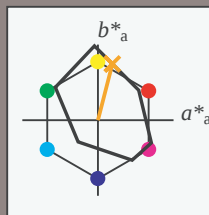
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = r75j$
 $LAB^*LCH^*_{Ma}$

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

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Black separation empty

brilliantness i^*

relative chroma c^*

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:

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

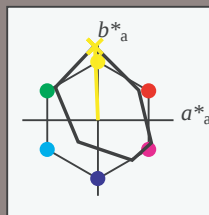
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

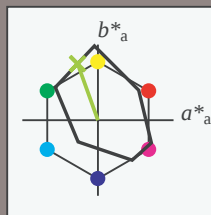
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

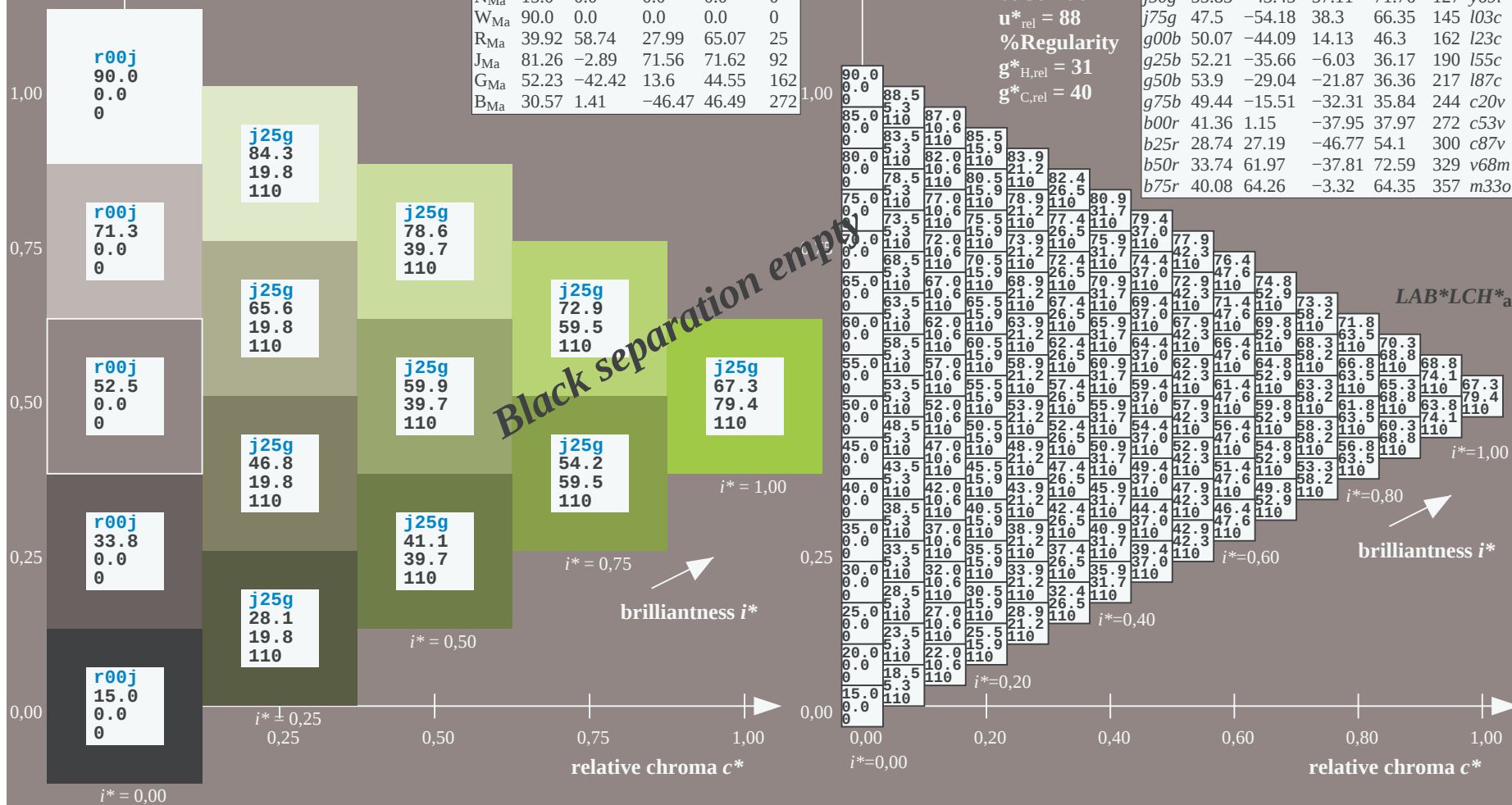
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = j25g$
 $LAB^*LCH^*_{Ma}$

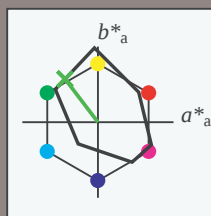
Black separation empty



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

%Gamut

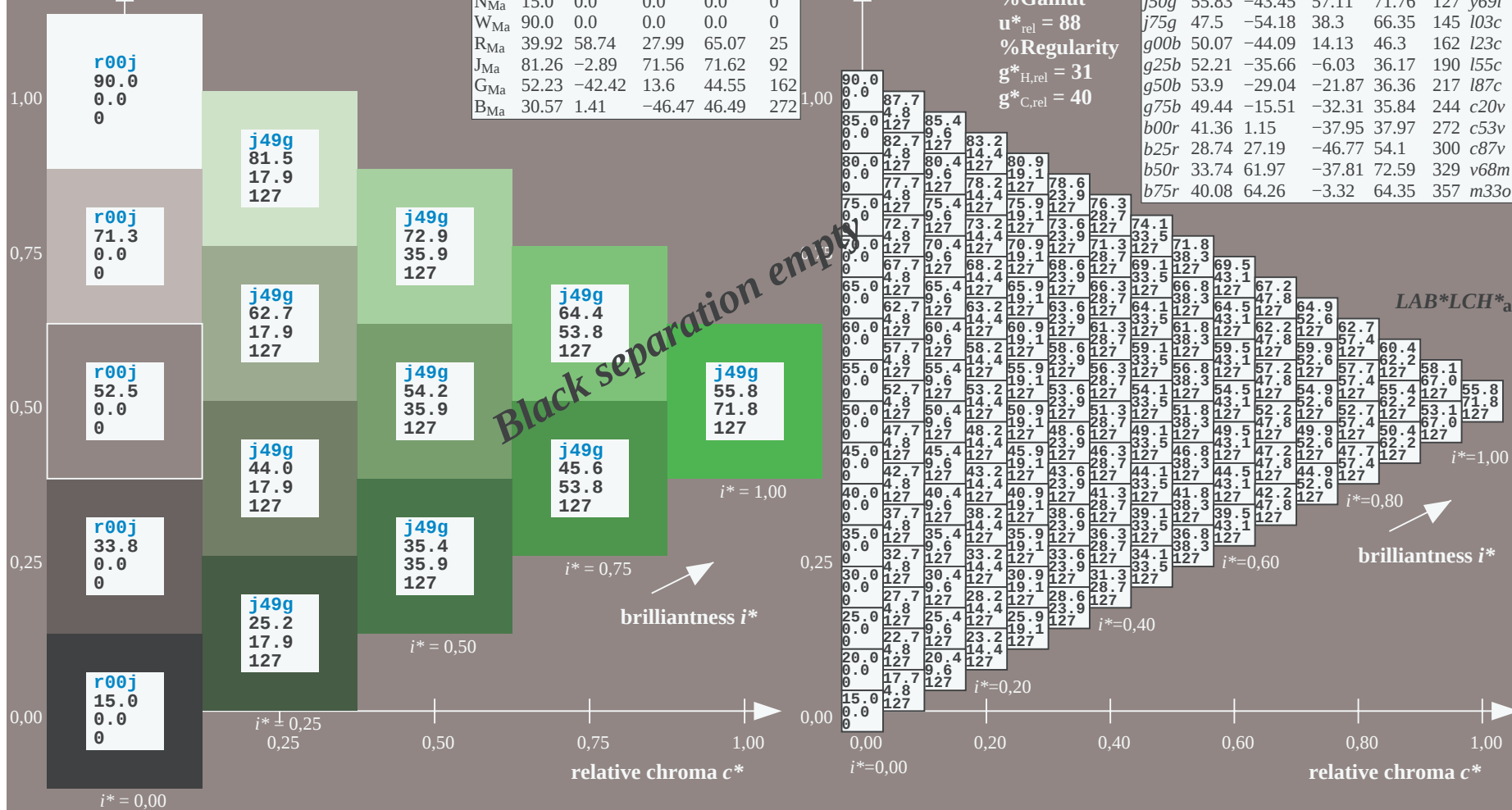
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

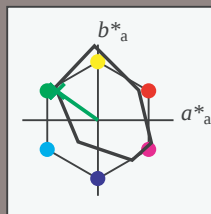
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

%Gamut

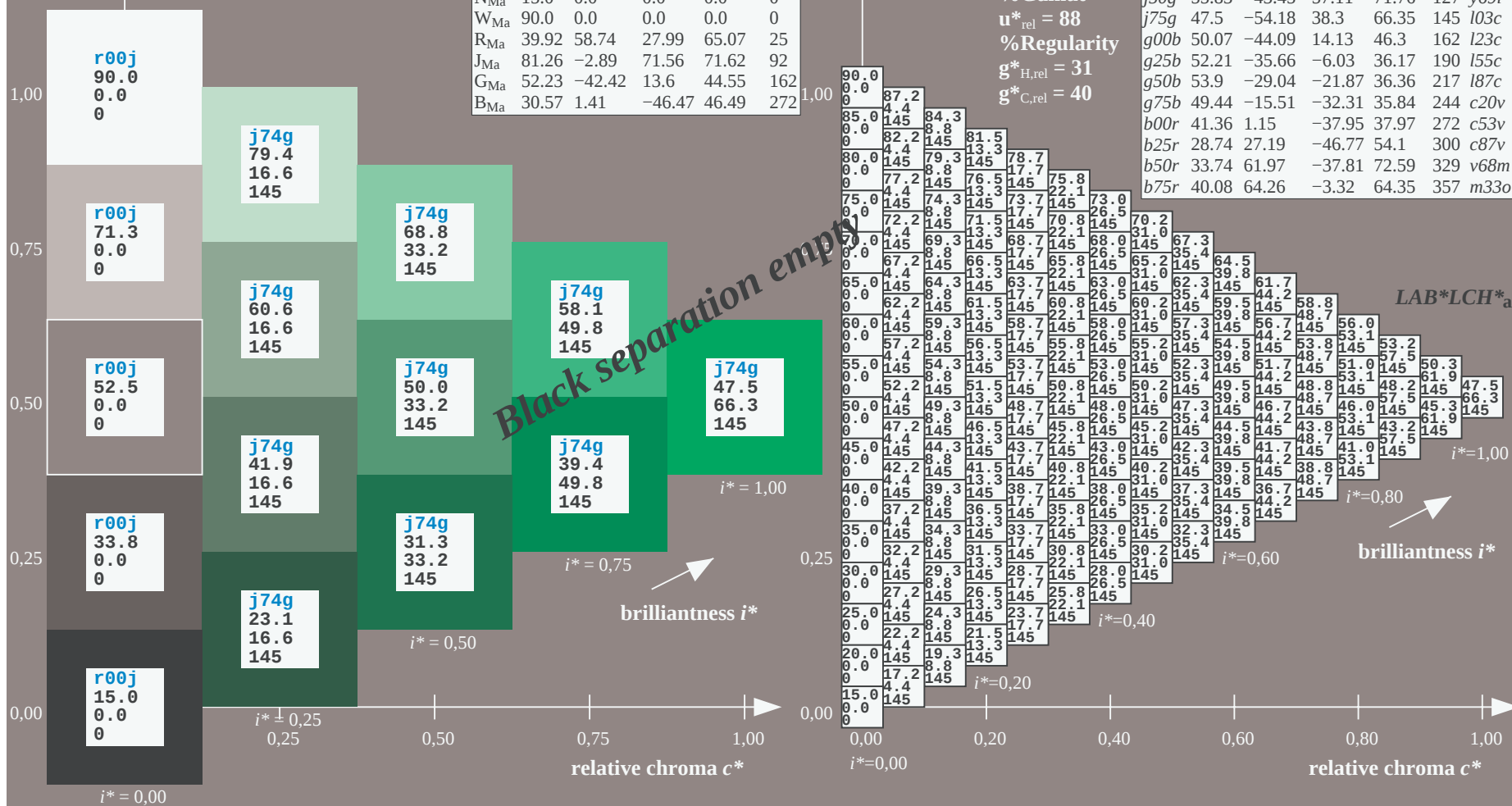
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

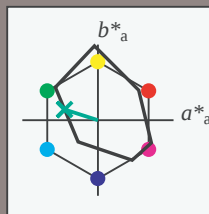
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

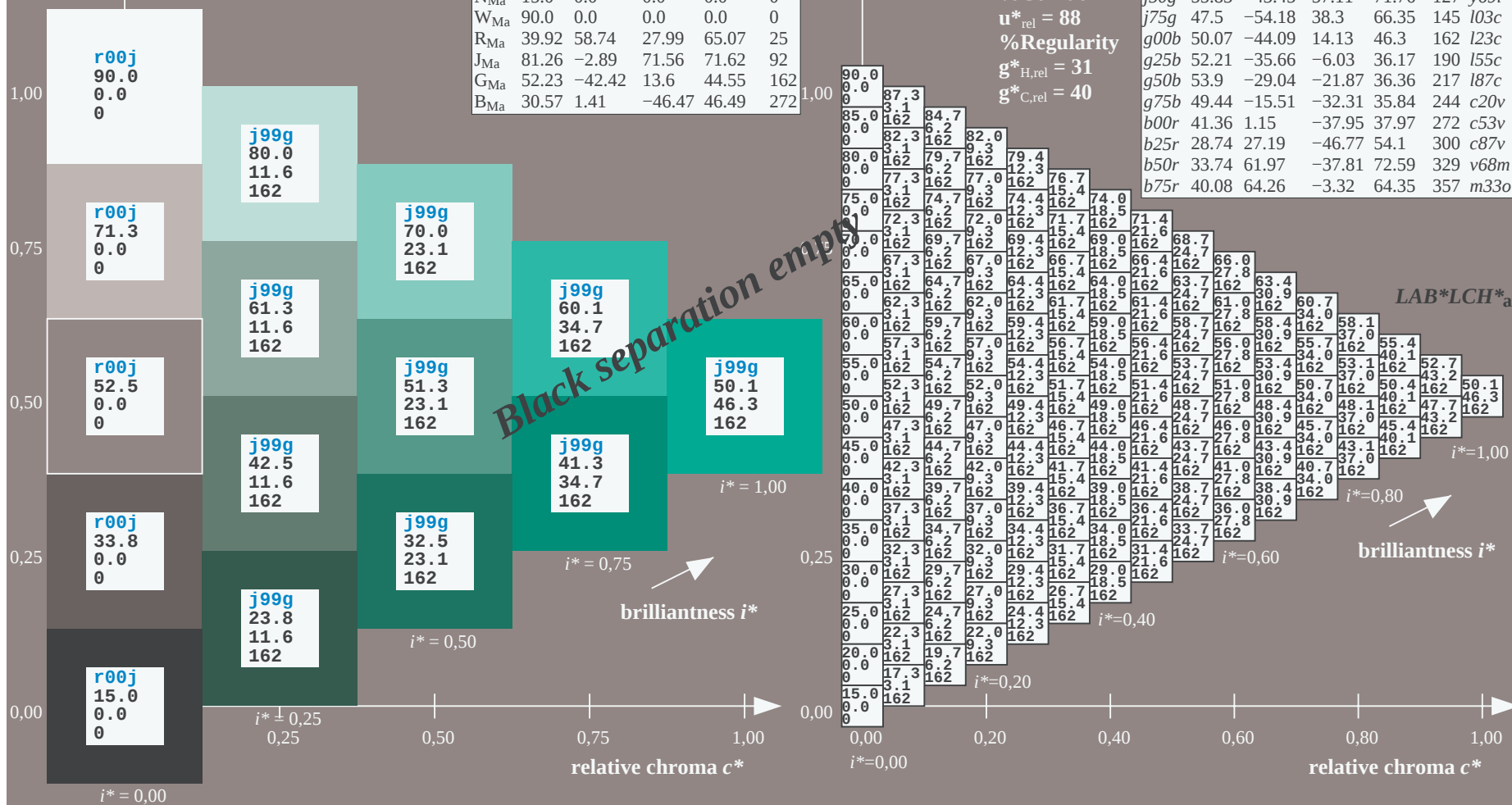
$u^*_{rel} = 88$

%Regularity

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

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

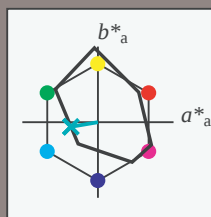
FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

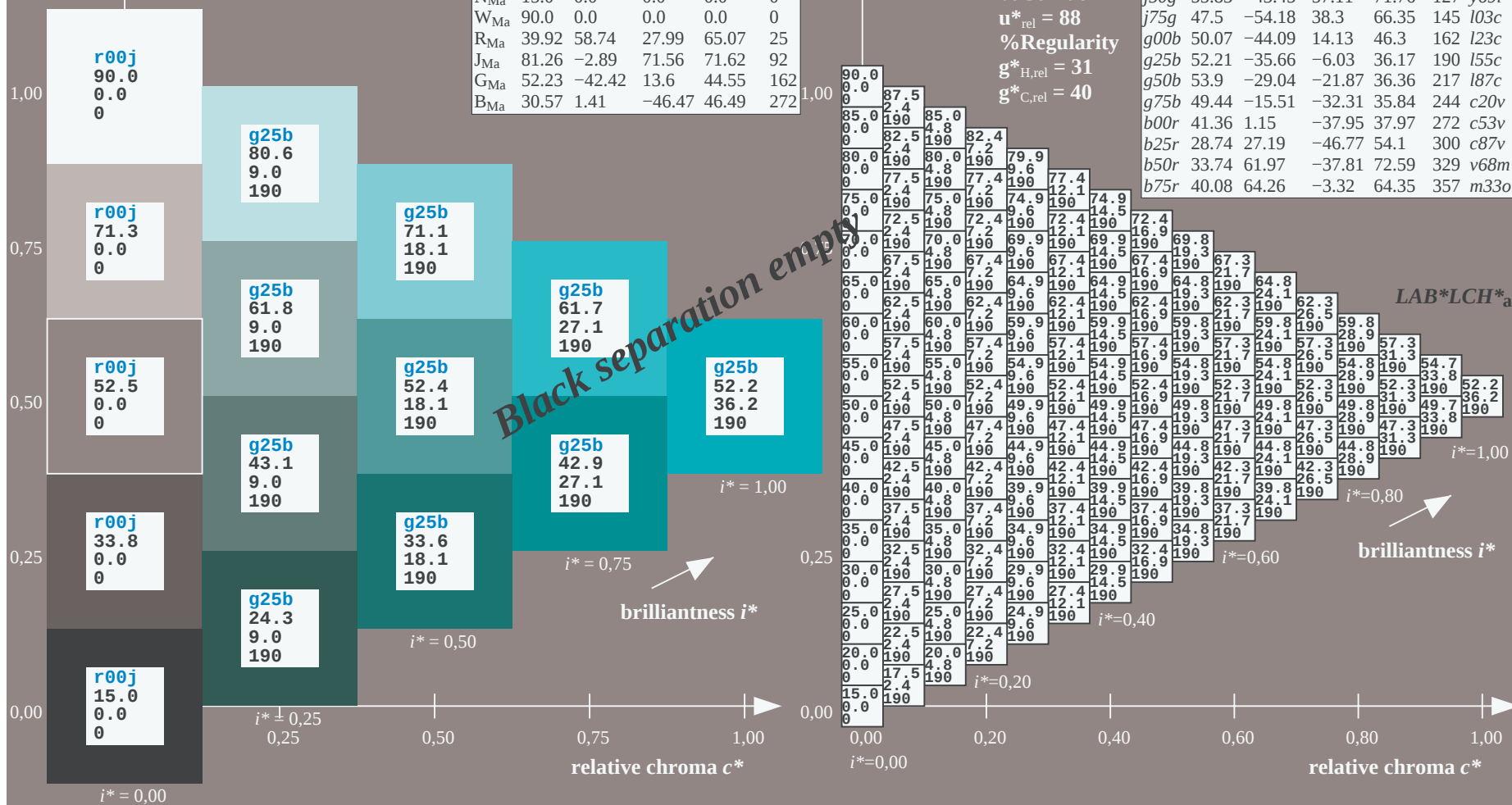
$u^*_{rel} = 88$

%Regularity

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

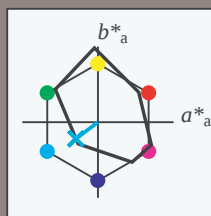
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	39.18	56.94	27.13	63.07	25	<i>m81o</i>	
<i>r25j</i>	42.41	49.1	44.5	66.26	42	<i>o10y</i>	
<i>r50j</i>	52.78	35.22	58.37	68.17	59	<i>o40y</i>	
<i>r75j</i>	64.82	19.12	74.47	76.89	76	<i>o69y</i>	
<i>j00g</i>	82.06	-3.94	97.52	97.6	92	<i>o98y</i>	
<i>j25g</i>	67.26	-26.87	74.67	79.36	110	<i>y34l</i>	
<i>j50g</i>	55.83	-43.45	57.11	71.76	127	<i>y69l</i>	
<i>j75g</i>	47.5	-54.18	38.3	66.35	145	<i>l03c</i>	
<i>g00b</i>	50.07	-44.09	14.13	46.3	162	<i>l23c</i>	
<i>g25b</i>	52.21	-35.66	-6.03	36.17	190	<i>l55c</i>	
<i>g50b</i>	53.9	-29.04	-21.87	36.36	217	<i>l87c</i>	
<i>g75b</i>	49.44	-15.51	-32.31	35.84	244	<i>c20v</i>	
<i>b00r</i>	41.36	1.15	-37.95	37.97	272	<i>c53v</i>	
<i>b25r</i>	28.74	27.19	-46.77	54.1	300	<i>c87v</i>	
<i>b50r</i>	33.74	61.97	-37.81	72.59	329	<i>v68m</i>	
<i>b75r</i>	40.08	64.26	-3.32	64.35	357	<i>m33o</i>	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

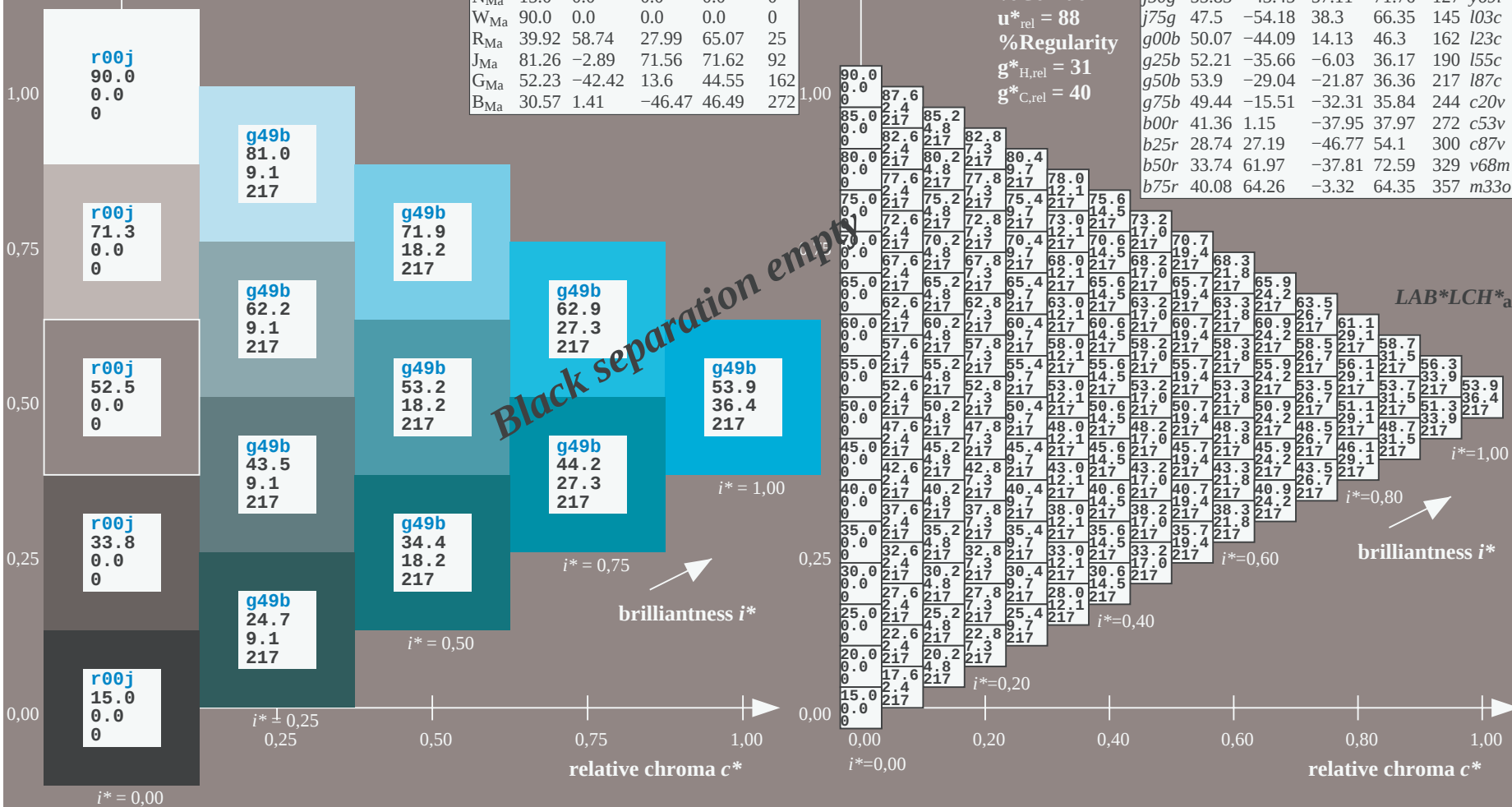
$u^*_{rel} = 88$

%Regularity

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

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

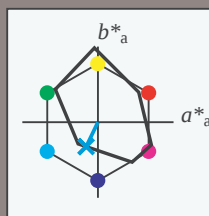
FRS15_90aM; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	39.18	56.94	27.13	63.07	25	<i>m81o</i>	
<i>r25j</i>	42.41	49.1	44.5	66.26	42	<i>o10y</i>	
<i>r50j</i>	52.78	35.22	58.37	68.17	59	<i>o40y</i>	
<i>r75j</i>	64.82	19.12	74.47	76.89	76	<i>o69y</i>	
<i>j00g</i>	82.06	-3.94	97.52	97.6	92	<i>o98y</i>	
<i>j25g</i>	67.26	-26.87	74.67	79.36	110	<i>y34l</i>	
<i>j50g</i>	55.83	-43.45	57.11	71.76	127	<i>y69l</i>	
<i>j75g</i>	47.5	-54.18	38.3	66.35	145	<i>l03c</i>	
<i>g00b</i>	50.07	-44.09	14.13	46.3	162	<i>l23c</i>	
<i>g25b</i>	52.21	-35.66	-6.03	36.17	190	<i>l55c</i>	
<i>g50b</i>	53.9	-29.04	-21.87	36.36	217	<i>l87c</i>	
<i>g75b</i>	49.44	-15.51	-32.31	35.84	244	<i>c20v</i>	
<i>b00r</i>	41.36	1.15	-37.95	37.97	272	<i>c53v</i>	
<i>b25r</i>	28.74	27.19	-46.77	54.1	300	<i>c87v</i>	
<i>b50r</i>	33.74	61.97	-37.81	72.59	329	<i>v68m</i>	
<i>b75r</i>	40.08	64.26	-3.32	64.35	357	<i>m33o</i>	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

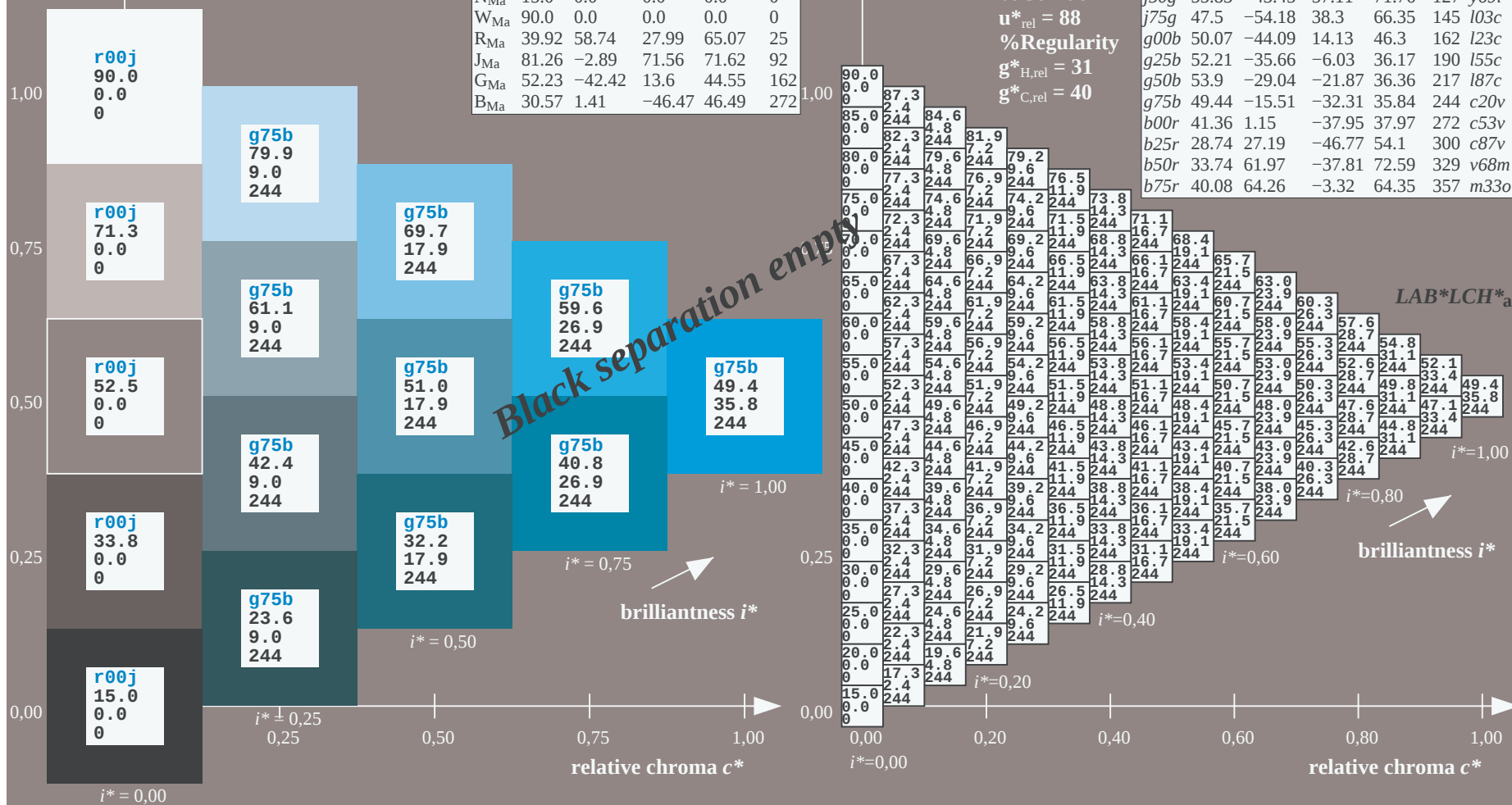
%Regularity

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

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

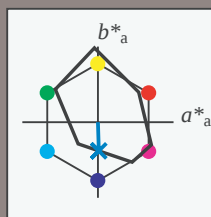
FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = g75b$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

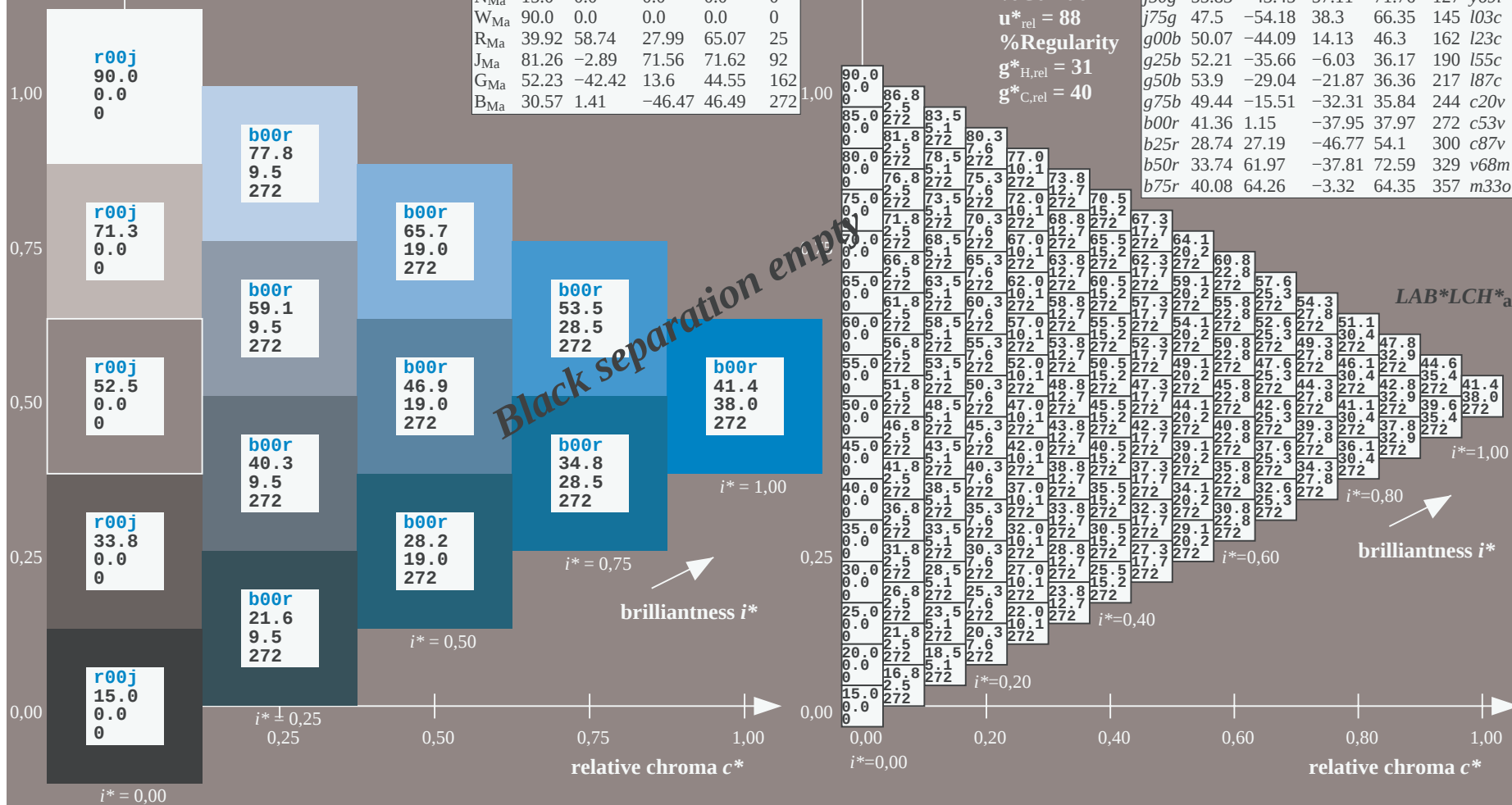
$u^*_{rel} = 88$

%Regularity

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

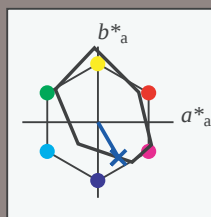
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
	u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	i03c	
g00b	50.07	-44.09	14.13	46.3	162	i23c	
g25b	52.21	-35.66	-6.03	36.17	190	i55c	
g50b	53.9	-29.04	-21.87	36.36	217	i87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

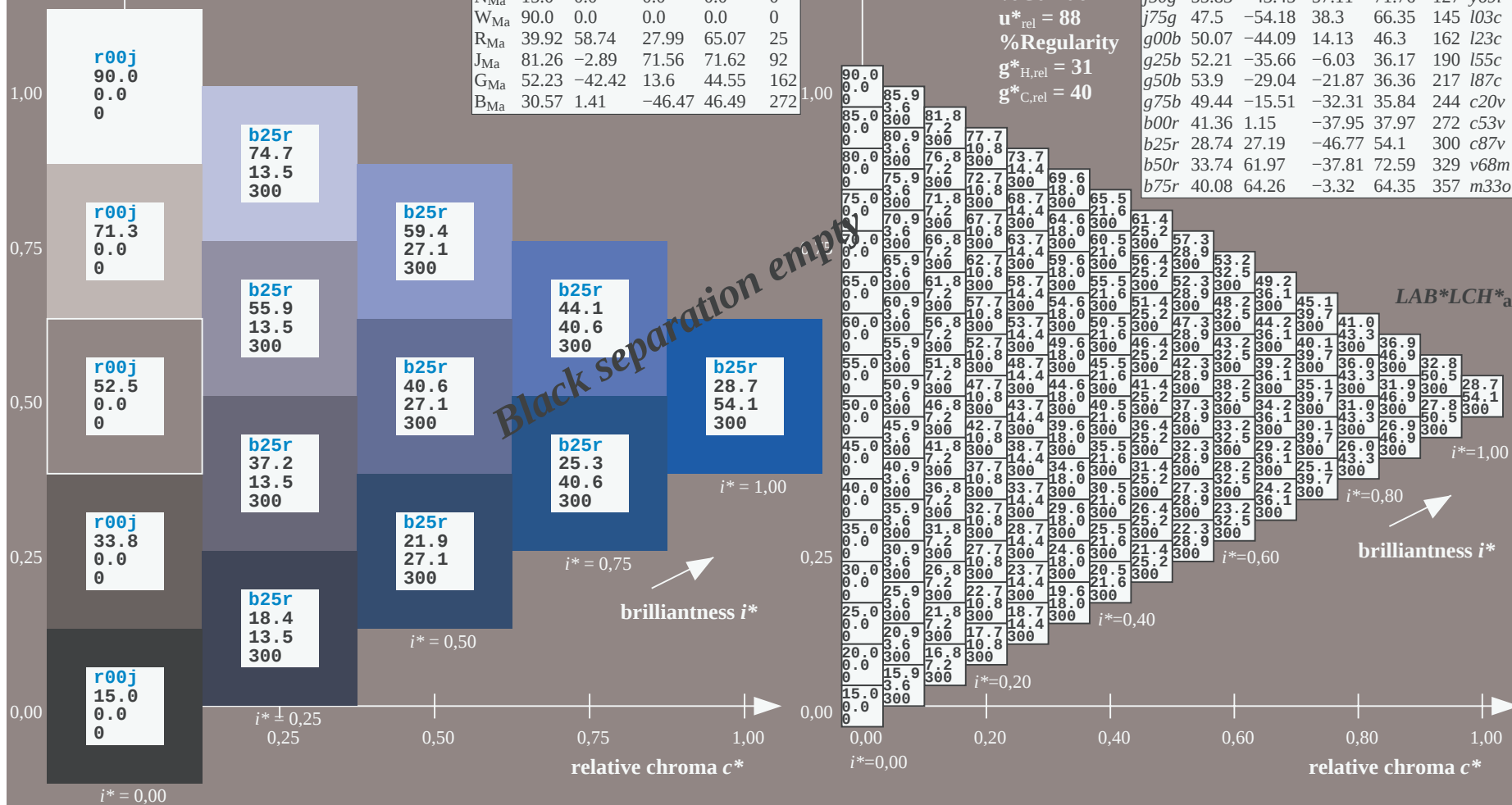
%Regularity

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

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

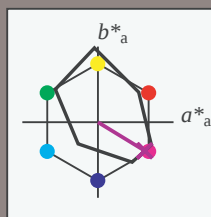
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$u^*_e = b25r$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

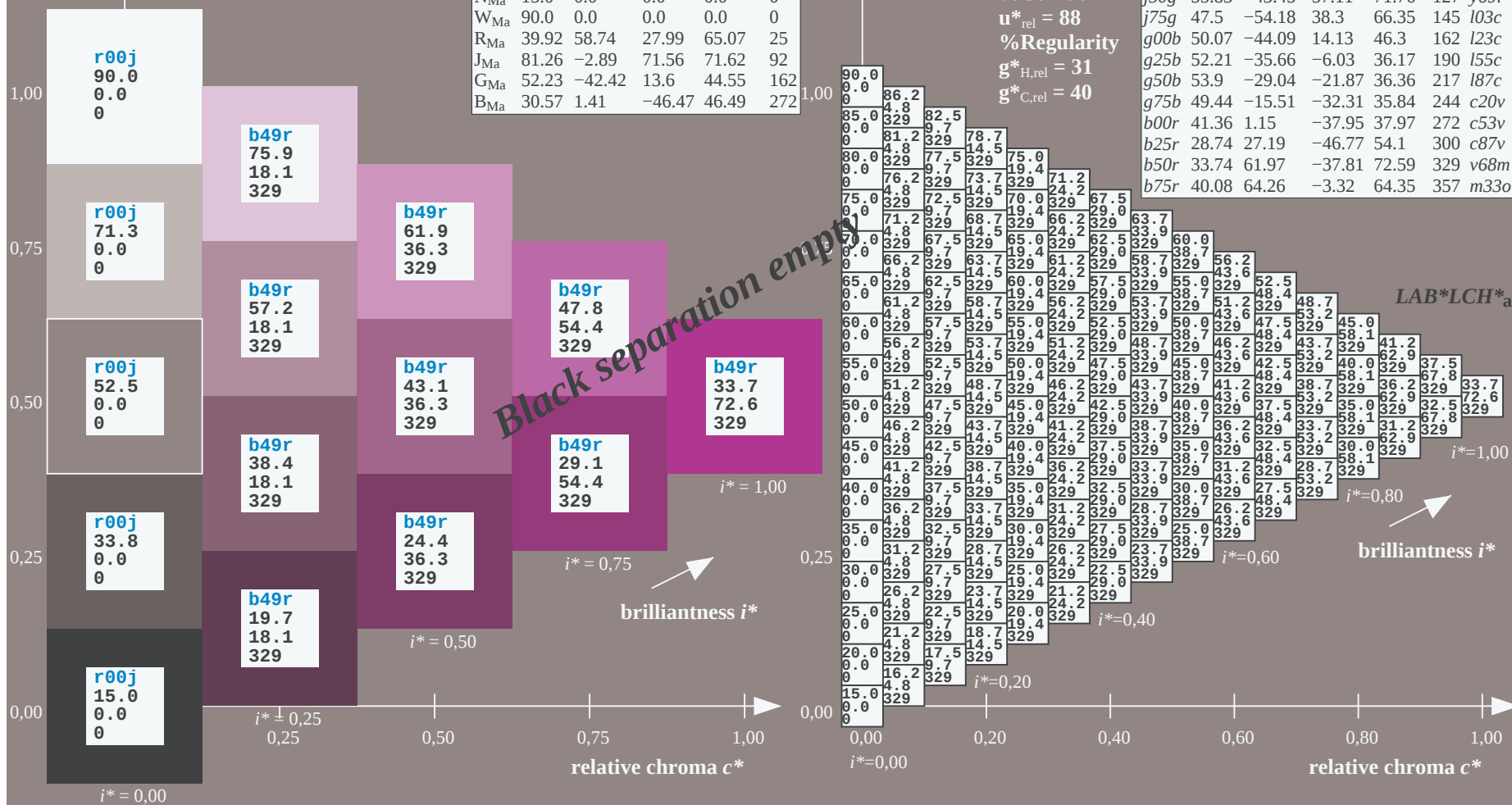
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

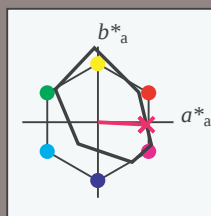
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

%Gamut

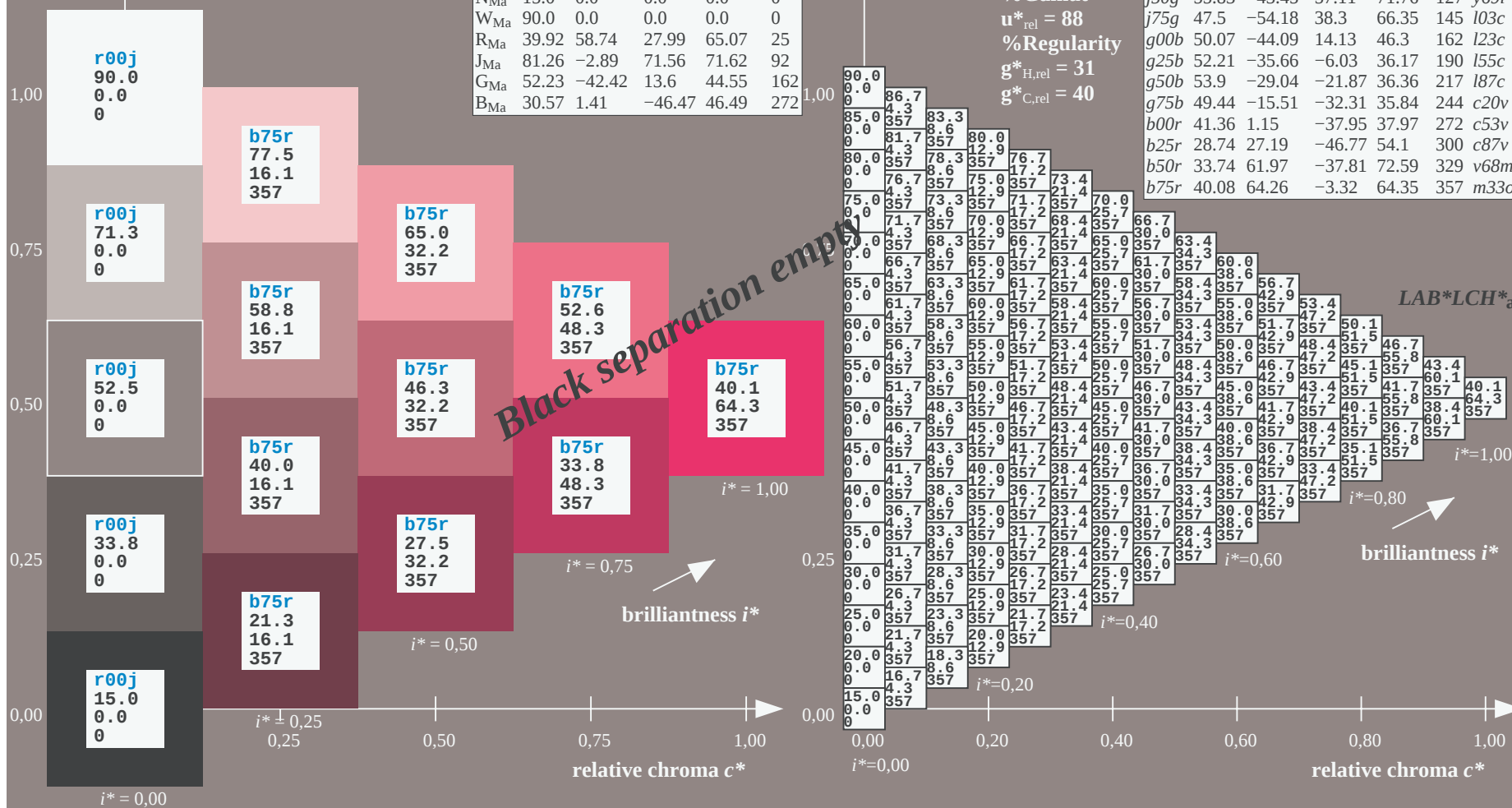
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rhadata
application for evaluation and measurement of printer or monitor systems

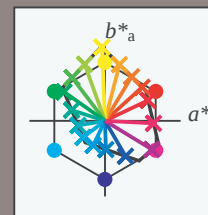
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
01	15.0	19.0	23.0	27.0	31.0	35.0	39.0	43.0	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0	107.0	111.0	115.0	119.0	123.0	127.0	131.0	135.0	139.0	143.0	147.0	151.0	155.0	159.0	163.0	167.0	171.0	175.0	179.0	183.0	187.0	191.0	195.0	199.0	203.0	207.0	211.0	215.0	219.0	223.0	227.0	231.0	235.0	239.0	243.0	247.0	251.0	255.0	259.0	263.0	267.0	271.0	275.0	279.0	283.0	287.0	291.0	295.0	299.0	303.0	307.0	311.0	315.0	319.0	323.0	327.0	331.0	335.0	339.0	343.0	347.0	351.0	355.0	359.0	363.0	367.0	371.0	375.0	379.0	383.0	387.0	391.0	395.0	399.0	403.0	407.0	411.0	415.0	419.0	423.0	427.0	431.0	435.0	439.0	443.0	447.0	451.0	455.0	459.0	463.0	467.0	471.0	475.0	479.0	483.0	487.0	491.0	495.0	499.0	503.0	507.0	511.0	515.0	519.0	523.0	527.0	531.0	535.0	539.0	543.0	547.0	551.0	555.0	559.0	563.0	567.0	571.0	575.0	579.0	583.0	587.0	591.0	595.0	599.0	603.0	607.0	611.0	615.0	619.0	623.0	627.0	631.0	635.0	639.0	643.0	647.0	651.0	655.0	659.0	663.0	667.0	671.0	675.0	679.0	683.0	687.0	691.0	695.0	699.0	703.0	707.0	711.0	715.0	719.0	723.0	727.0	731.0	735.0	739.0	743.0	747.0	751.0	755.0	759.0	763.0	767.0	771.0	775.0	779.0	783.0	787.0	791.0	795.0	799.0	803.0	807.0	811.0	815.0	819.0	823.0	827.0	831.0	835.0	839.0	843.0	847.0	851.0	855.0	859.0	863.0	867.0	871.0	875.0	879.0	883.0	887.0	891.0	895.0	899.0	903.0	907.0	911.0	915.0	919.0	923.0	927.0	931.0	935.0	939.0	943.0	947.0	951.0	955.0	959.0	963.0	967.0	971.0	975.0	979.0	983.0	987.0	991.0	995.0	999.0	1003.0	1007.0	1011.0	1015.0	1019.0	1023.0	1027.0	1031.0	1035.0	1039.0	1043.0	1047.0	1051.0	1055.0	1059.0	1063.0	1067.0	1071.0	1075.0	1079.0	1083.0	1087.0	1091.0	1095.0	1099.0	1103.0	1107.0	1111.0	1115.0	1119.0	1123.0	1127.0	1131.0	1135.0	1139.0	1143.0	1147.0	1151.0	1155.0	1159.0	1163.0	1167.0	1171.0	1175.0	1179.0	1183.0	1187.0	1191.0	1195.0	1199.0	1203.0	1207.0	1211.0	1215.0	1219.0	1223.0	1227.0	1231.0	1235.0	1239.0	1243.0	1247.0	1251.0	1255.0	1259.0	1263.0	1267.0	1271.0	1275.0	1279.0	1283.0	1287.0	1291.0	1295.0	1299.0	1303.0	1307.0	1311.0	1315.0	1319.0	1323.0	1327.0	1331.0	1335.0	1339.0	1343.0	1347.0	1351.0	1355.0	1359.0	1363.0	1367.0	1371.0	1375.0	1379.0	1383.0	1387.0	1391.0	1395.0	1399.0	1403.0	1407.0	1411.0	1415.0	1419.0	1423.0	1427.0	1431.0	1435.0	1439.0	1443.0	1447.0	1451.0	1455.0	1459.0	1463.0	1467.0	1471.0	1475.0	1479.0	1483.0	1487.0	1491.0	1495.0	1499.0	1503.0	1507.0	1511.0	1515.0	1519.0	1523.0	1527.0	1531.0	1535.0	1539.0	1543.0	1547.0	1551.0	1555.0	1559.0	1563.0	1567.0	1571.0	1575.0	1579.0	1583.0	1587.0	1591.0	1595.0	1599.0	1603.0	1607.0	1611.0	1615.0	1619.0	1623.0	1627.0	1631.0	1635.0	1639.0	1643.0	1647.0	1651.0	1655.0	1659.0	1663.0	1667.0	1671.0	1675.0	1679.0	1683.0	1687.0	1691.0	1695.0	1699.0	1703.0	1707.0	1711.0	1715.0	1719.0	1723.0	1727.0	1731.0	1735.0	1739.0	1743.0	1747.0	1751.0	1755.0	1759.0	1763.0	1767.0	1771.0	1775.0	1779.0	1783.0	1787.0	1791.0	1795.0	1799.0	1803.0	1807.0	1811.0	1815.0	1819.0	1823.0	1827.0	1831.0	1835.0	1839.0	1843.0	1847.0	1851.0	1855.0	1859.0	1863.0	1867.0	1871.0	1875.0	1879.0	1883.0	1887.0	1891.0	1895.0	1899.0	1903.0	1907.0	1911.0	1915.0	1919.0	1923.0	1927.0	1931.0	1935.0	1939.0	1943.0	1947.0	1951.0	1955.0	1959.0	1963.0	1967.0	1971.0	1975.0	1979.0	1983.0	1987.0	1991.0	1995.0	1999.0	2003.0	2007.0	2011.0	2015.0	2019.0	2023.0	2027.0	2031.0	2035.0	2039.0	2043.0	2047.0	2051.0	2055.0	2059.0	2063.0	2067.0	2071.0	2075.0	2079.0	2083.0	2087.0	2091.0	2095.0	2099.0	2103.0	2107.0	2111.0	2115.0	2119.0	2123.0	2127.0	2131.0	2135.0	2139.0	2143.0	2147.0	2151.0	2155.0	2159.0	2163.0	2167.0	2171.0	2175.0	2179.0	2183.0	2187.0	2191.0	2195.0	2199.0	2203.0	2207.0	2211.0	2215.0	2219.0	2223.0	2227.0	2231.0	2235.0	2239.0	2243.0	2247.0	2251.0	2255.0	2259.0	2263.0	2267.0	2271.0	2275.0	2279.0	2283.0	2287.0	2291.0	2295.0	2299.0	2303.0	2307.0	2311.0	2315.0	2319.0	2323.0	2327.0	2331.0	2335.0	2339.0	2343.0	2347.0	2351.0	2355.0	2359.0	2363.0	2367.0	2371.0	2375.0	2379.0	2383.0	2387.0	2391.0	2395.0	2399.0	2403.0	2407.0	2411.0	2415.0	2419.0	2423.0	2427.0	2431.0	2435.0	2439.0	2443.0	2447.0	2451.0	2455.0	2459.0	2463.0	2467.0	2471.0	2475.0	2479.0	2483.0	2487.0	2491.0	2495.0	2499.0	2503.0	2507.0	2511.0	2515.0	2519.0	2523.0	2527.0	2531.0	2535.0	2539.0	2543.0	2547.0	2551.0	2555.0	2559.0	2563.0	2567.0	2571.0	2575.0	2579.0	2583.0	2587.0	2591.0	2595.0	2599.0	2603.0	2607.0	2611.0	2615.0	2619.0	2623.0	2627.0	2631.0	2635.0	2639.0	2643.0	2647.0	2651.0	2655.0	2659.0	2663.0	2667.0	2671.0	2675.0	2679.0	2683.0	2687.0	2691.0	2695.0	2699.0	2703.0	2707.0	2711.0	2715.0	2719.0	2723.0	2727.0	2731.0	2735.0	2739.0	2743.0	2747.0	2751.0	2755.0	2759.0	2763.0	2767.0	2771.0	2775.0	2779.0	2783.0	2787.0	2791.0	2795.0	2799.0	2803.0	2807.0	2811.0	2815.0	2819.0	2823.0	2827.0	2831.0	2835.0	2839.0	2843.0	2847.0	2851.0	2855.0	2859.0	2863.0	2867.0	2871.0	2875.0	2879.0	2883.0	2887.0	2891.0	2895.0	2899.0	2903.0	2907.0	2911.0	2915.0	2919.0	2923.0	2927.0	2931.0	2935.0	2939.0	2943.0	2947.0	2951.0	2955.0	2959.0	2963.0	2967.0	2971.0	2975.0	2979.0	2983.0	2987.0	2991.0	2995.0	2999.0	3003.0	3007.0	3011.0	3015.0	3019.0	3023.0	3027.0	3031.0	3035.0	3039.0	3043.0	3047.0	3051.0	3055.0	3059.0	3063.0	3067.0	3071.0	3075.0	3079.0	3083.0	3087.0	3091.0	3095.0	3099.0	3103.0	3107.0	3111.0	3115.0	3119.0	3123.0	3127.0	3131.0	3135.0	3139.0	3143.0	3147.0	3151.0	3155.0	3159.0	3163.0	3167.0	3171.0	3175.0	3179.0	3183.0	3187.0	3191.0	3195.0	3199.0	3203.0	3207.0	3211.0	3215.0	3219.0	3223.0	3227.0	3231.0	3235.0	3239.0	3243.0	3247.0	3251.0	3255.0	3259.0	3263.0	3267.0	3271.0	3275.0	3279.0	3283.0	3287.0	3291.0	3295.0	3299.0	3303.0	3307.0	3311.0	3315.0	3319.0	3323.0	3327.0	3331.0	3335.0	3339.0	3343.0	3347.0	3351.0	3355.0	3359.0	3363.0	3367.0	3371.0	3375.0	3379.0	3383.0	3387.0	3391.0	3395.0	3399.0	3403.0	3407.0	3411.0	3415.0	3419.0	3423.0	3427.0	3431.0	3435.0	3439.0	3443.0	3447.0	3451.0	3455.0	3459.0	3463.0	3467.0	3471.0	3475.0	3479.0	3483.0	3487.0	3491.0	3495.0	3499.0	3503.0	3507.0	3511.0	3515.0	3519.0	3523.0	3527.0	3531.0	3535.0	3539.0	3543.0	3547.0	3551.0	3555.0	3559.0	3563.0	3567.0	3571.0	3575.0	3579.0	3583.0	3587.0	3591.0	3595.0	3599.0	3603.0	3607.0	3611.0	3615.0	3619.0	3623.0	3627.0	3631.0	3635.0	3639.0	3643.0	3647.0	3651.0	3655.0	3659.0	3663.0	3667.0	3671.0	3675.0	3679.0	3683.0	3687.0	3691.0	3695.0	3699.0	3703.0	3707.0	3711.0</

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

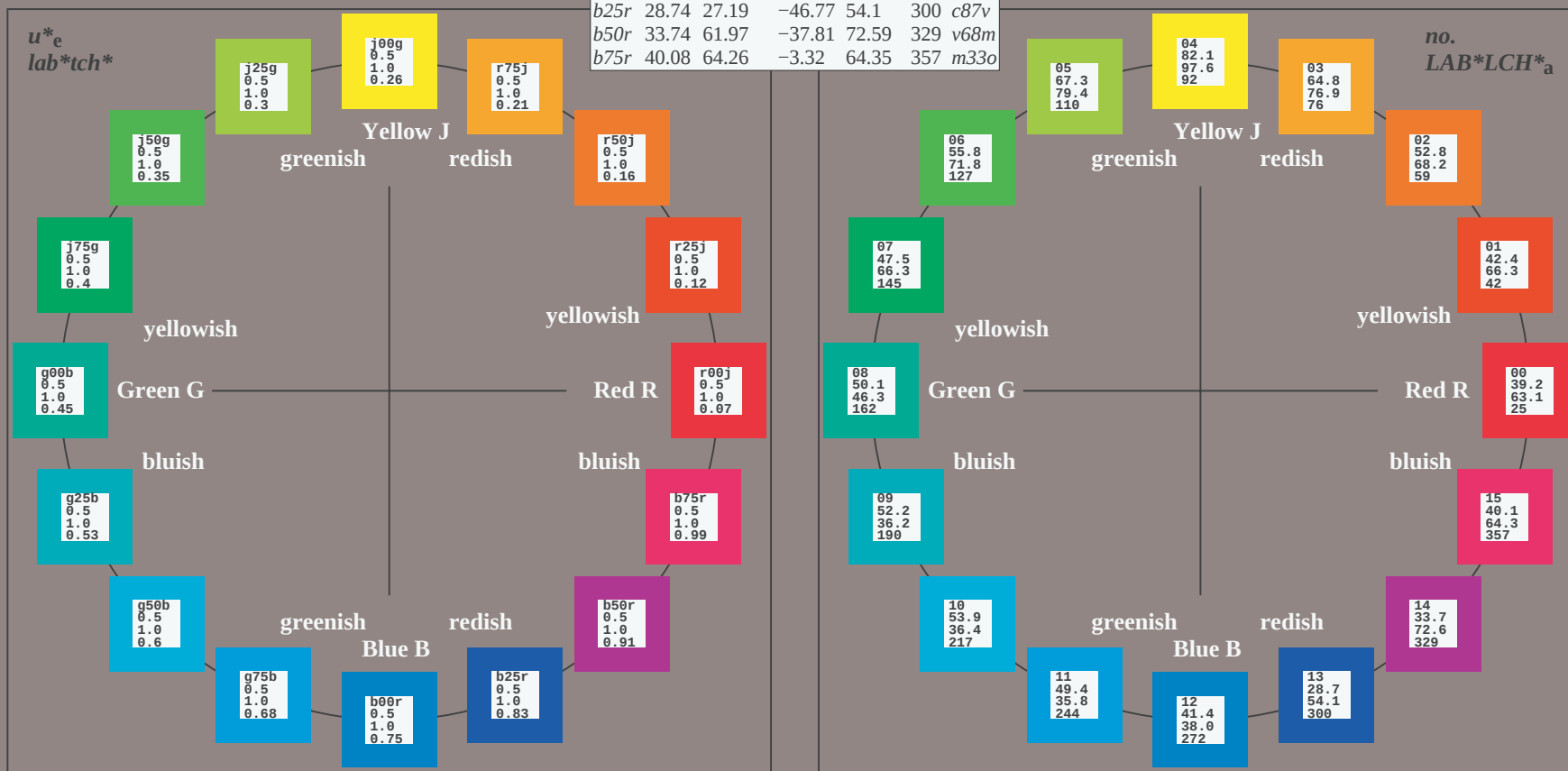
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:

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

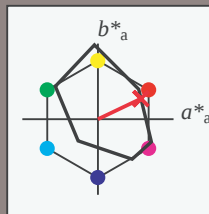
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

% Gamut

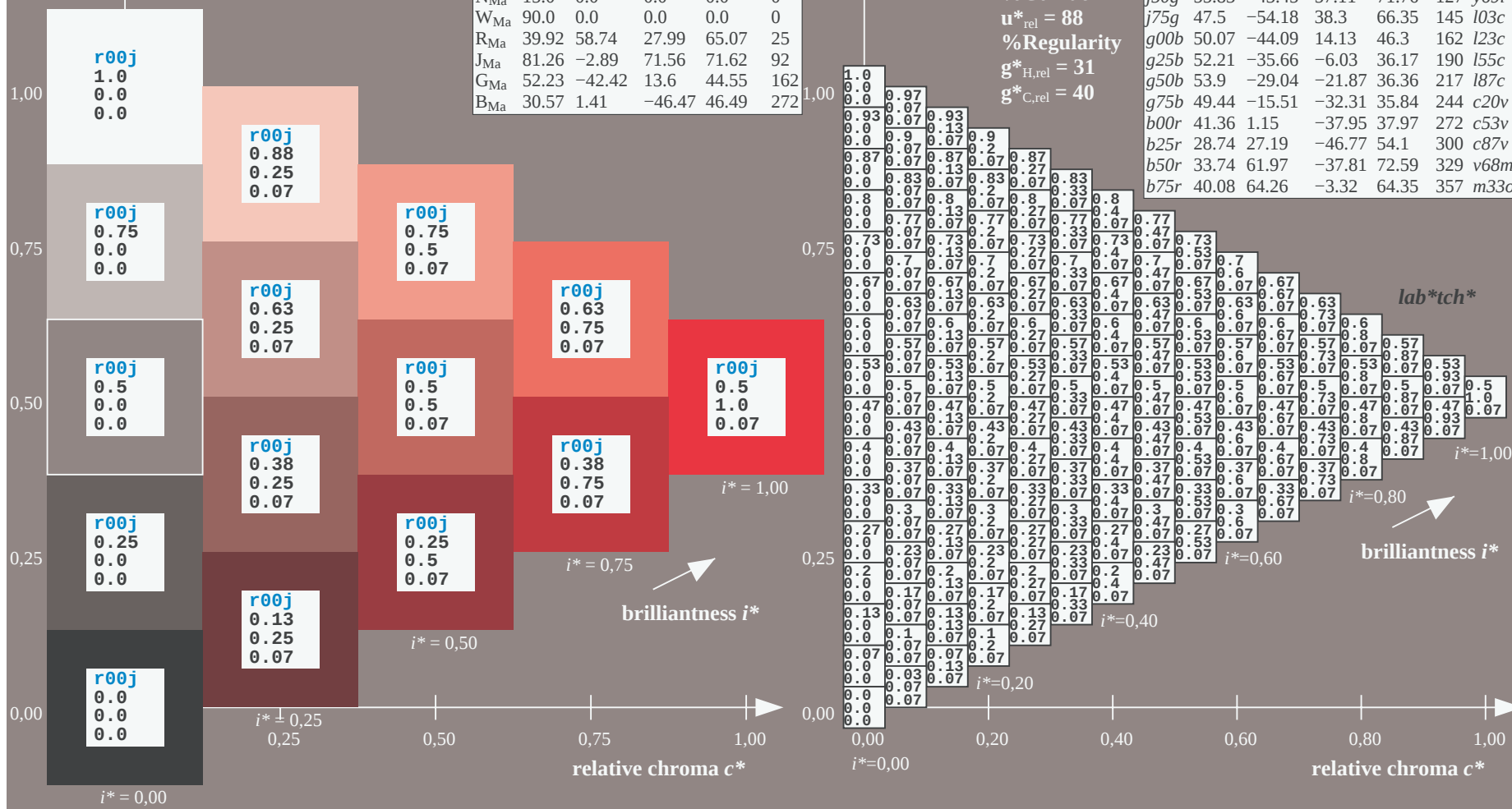
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

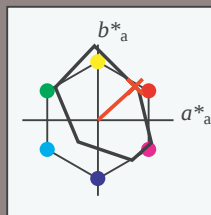


See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/10L/L33E00FP.PS/ .PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/ .PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

% Gamut

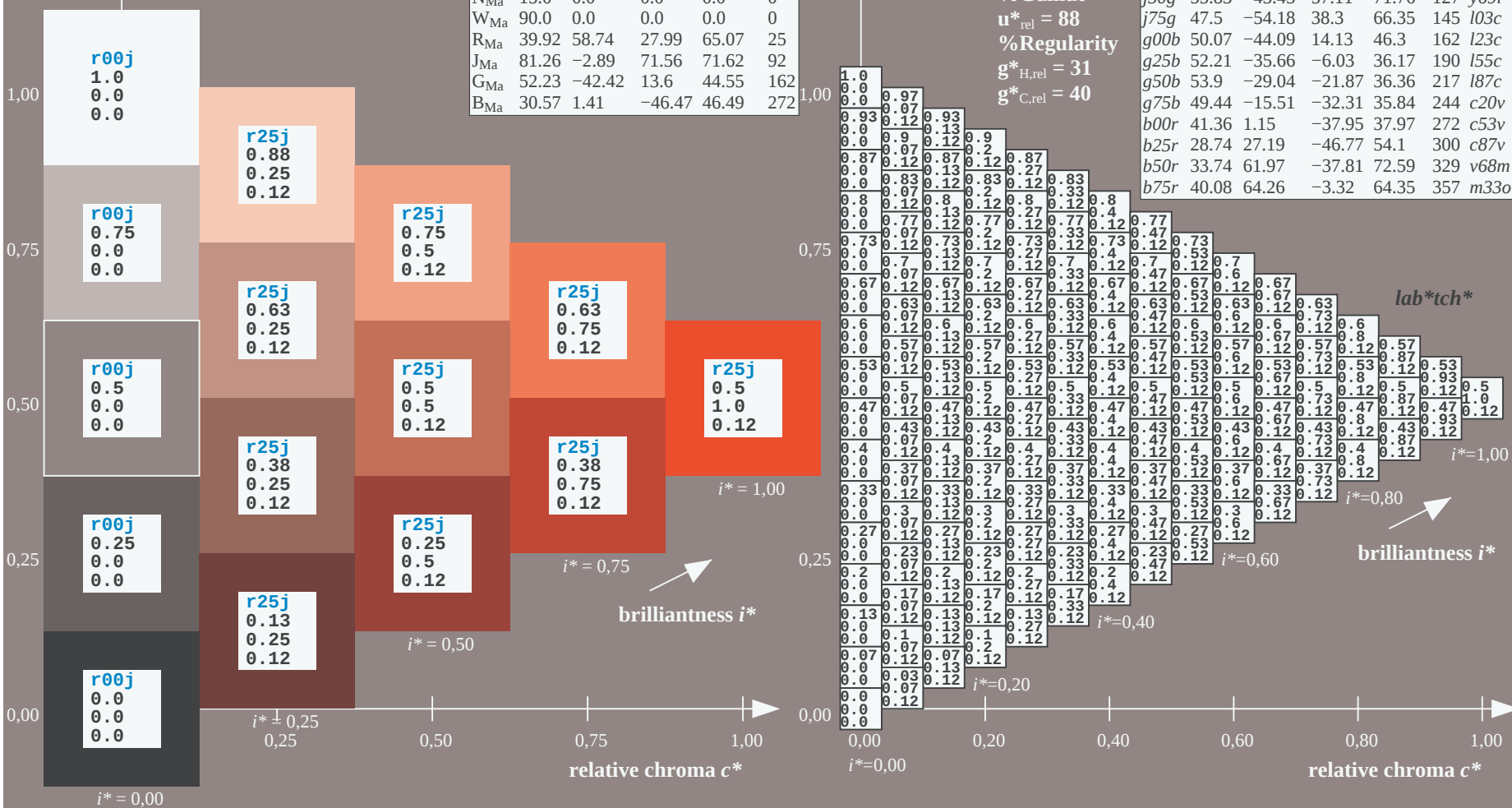
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

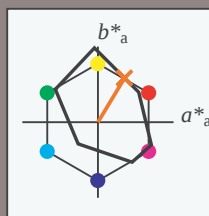
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*tch^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

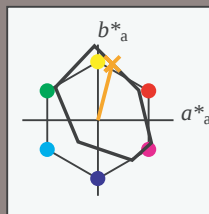
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

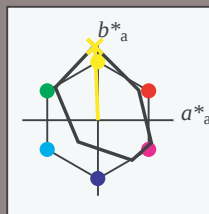
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

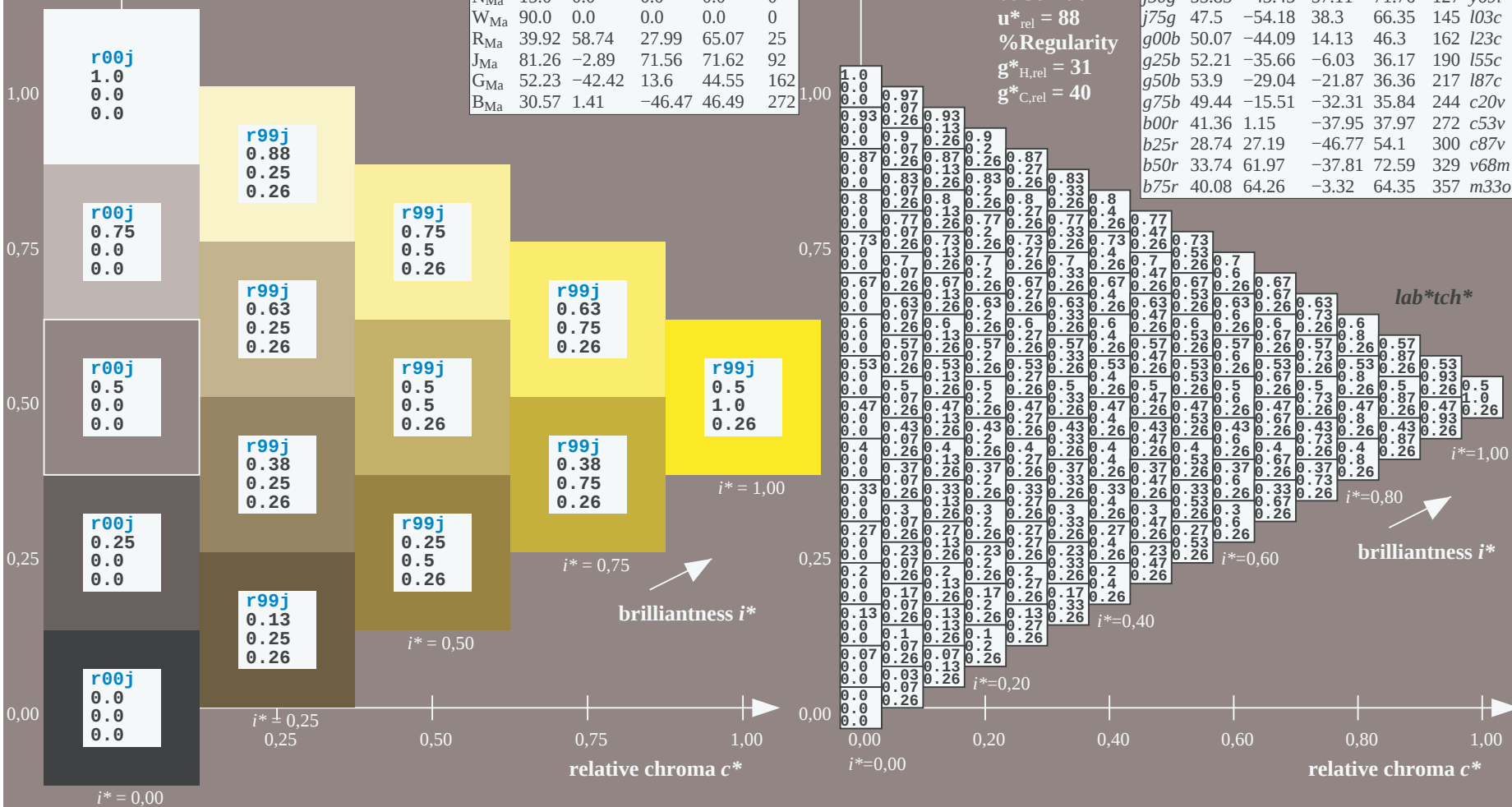
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

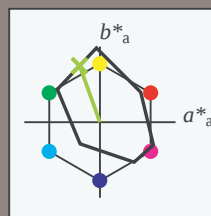
$u^*_e = j00g$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

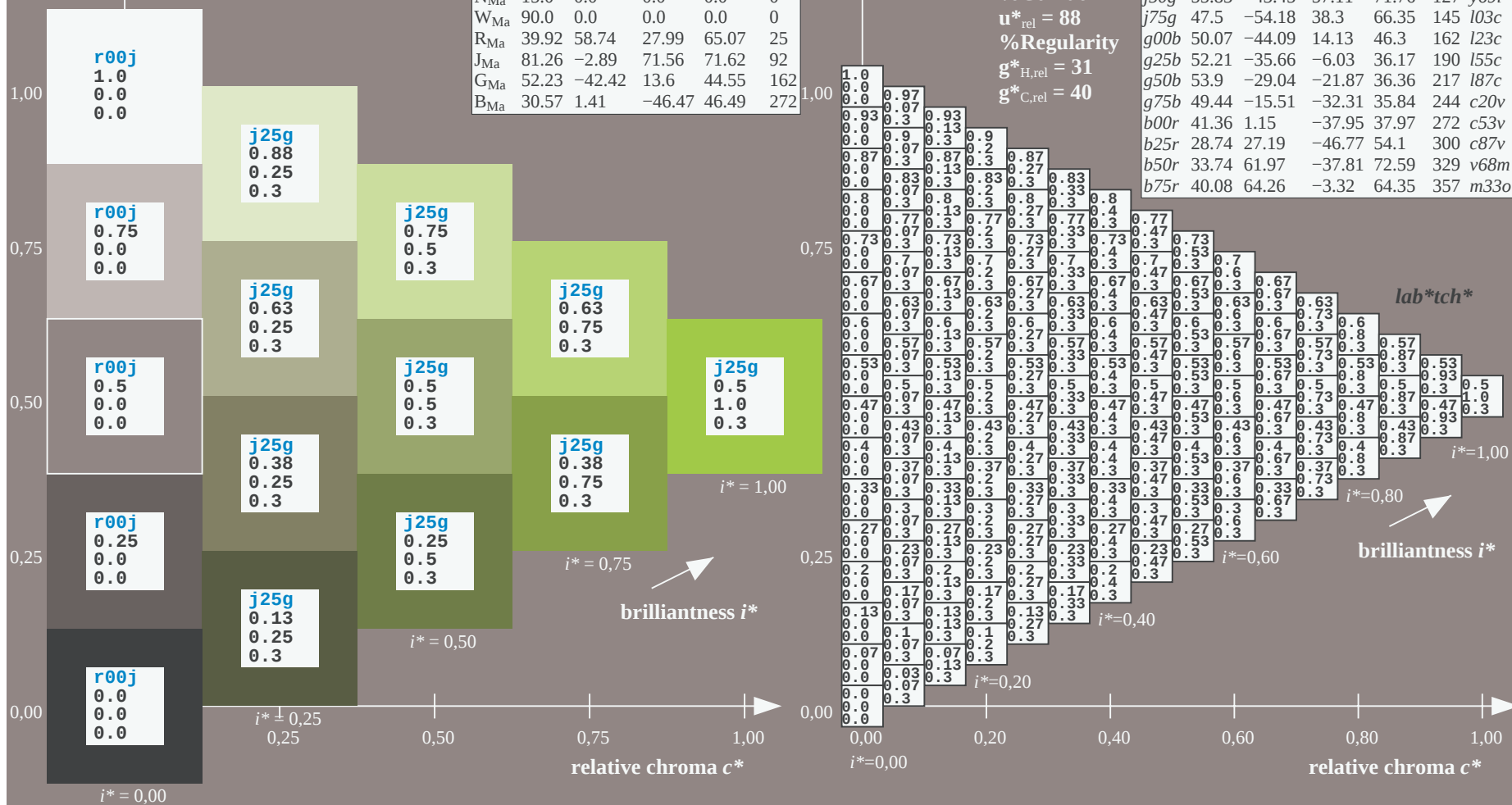
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

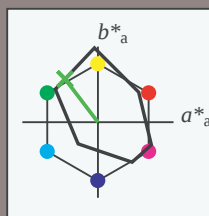
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

% Gamut

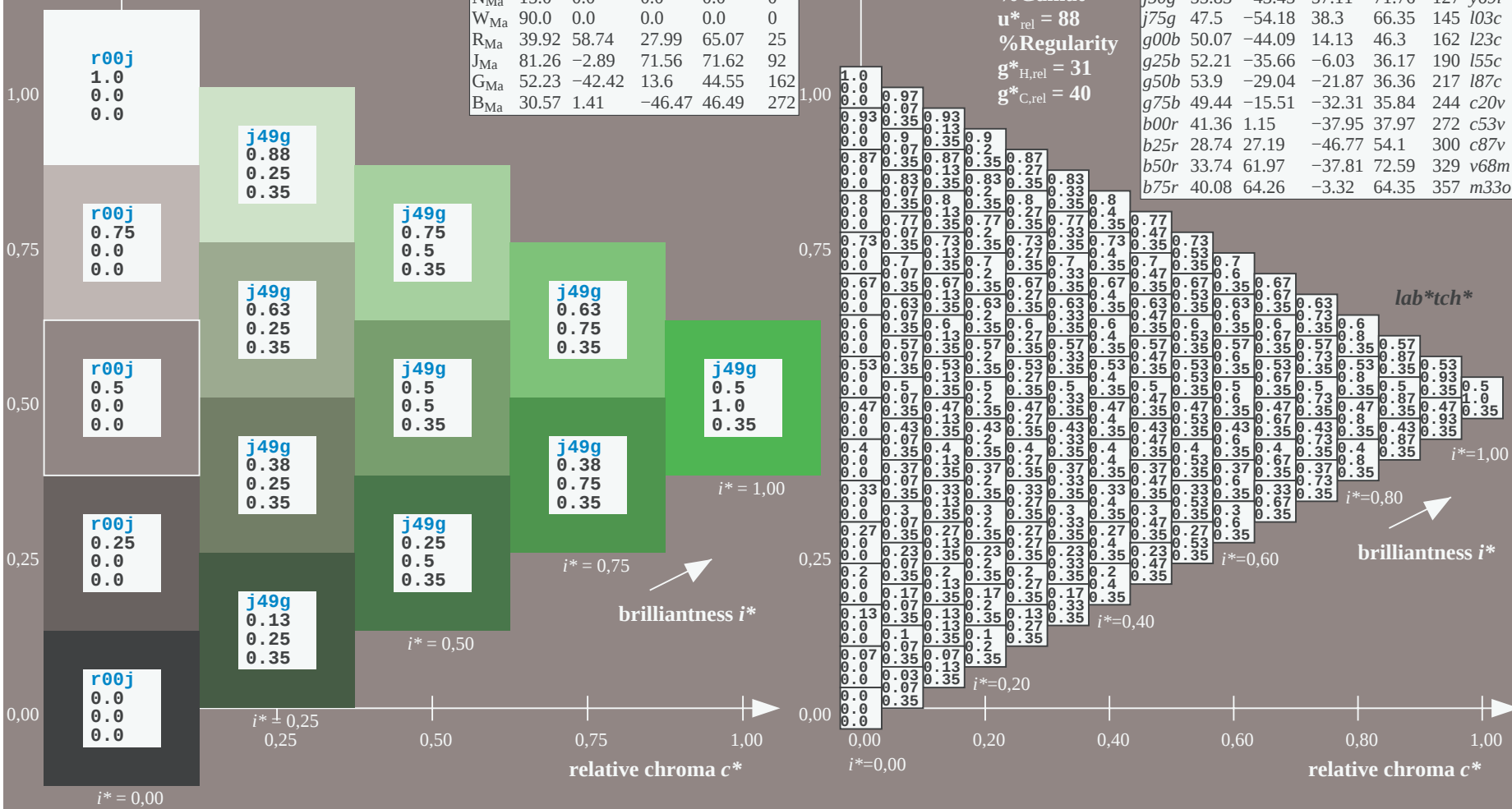
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

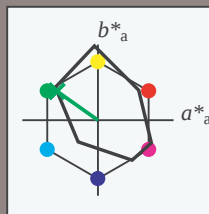
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

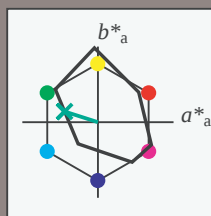
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

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



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

% Gamut

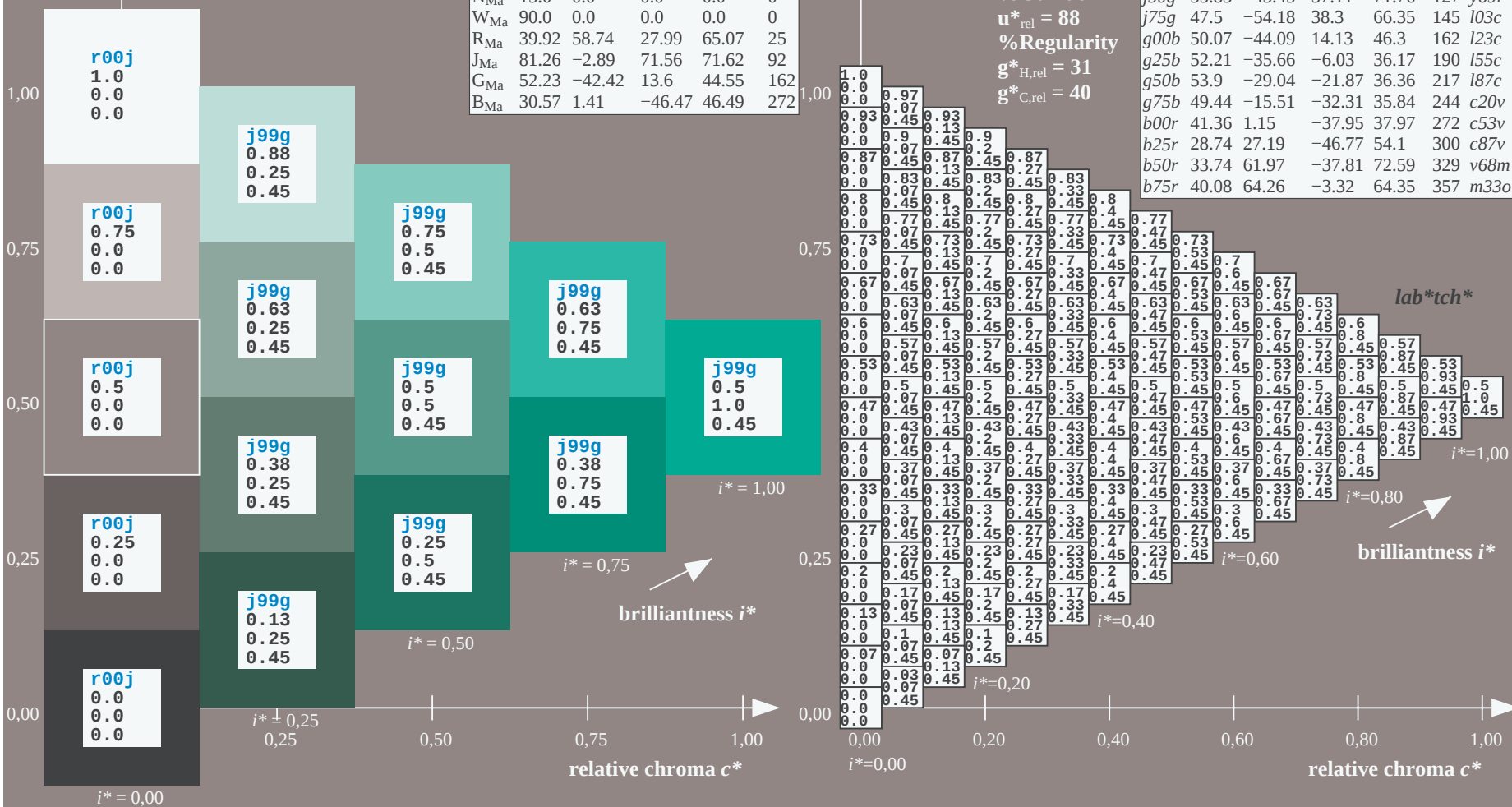
$u^*_{rel} = 88$

% Regularity

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

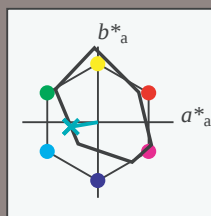
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

% Gamut

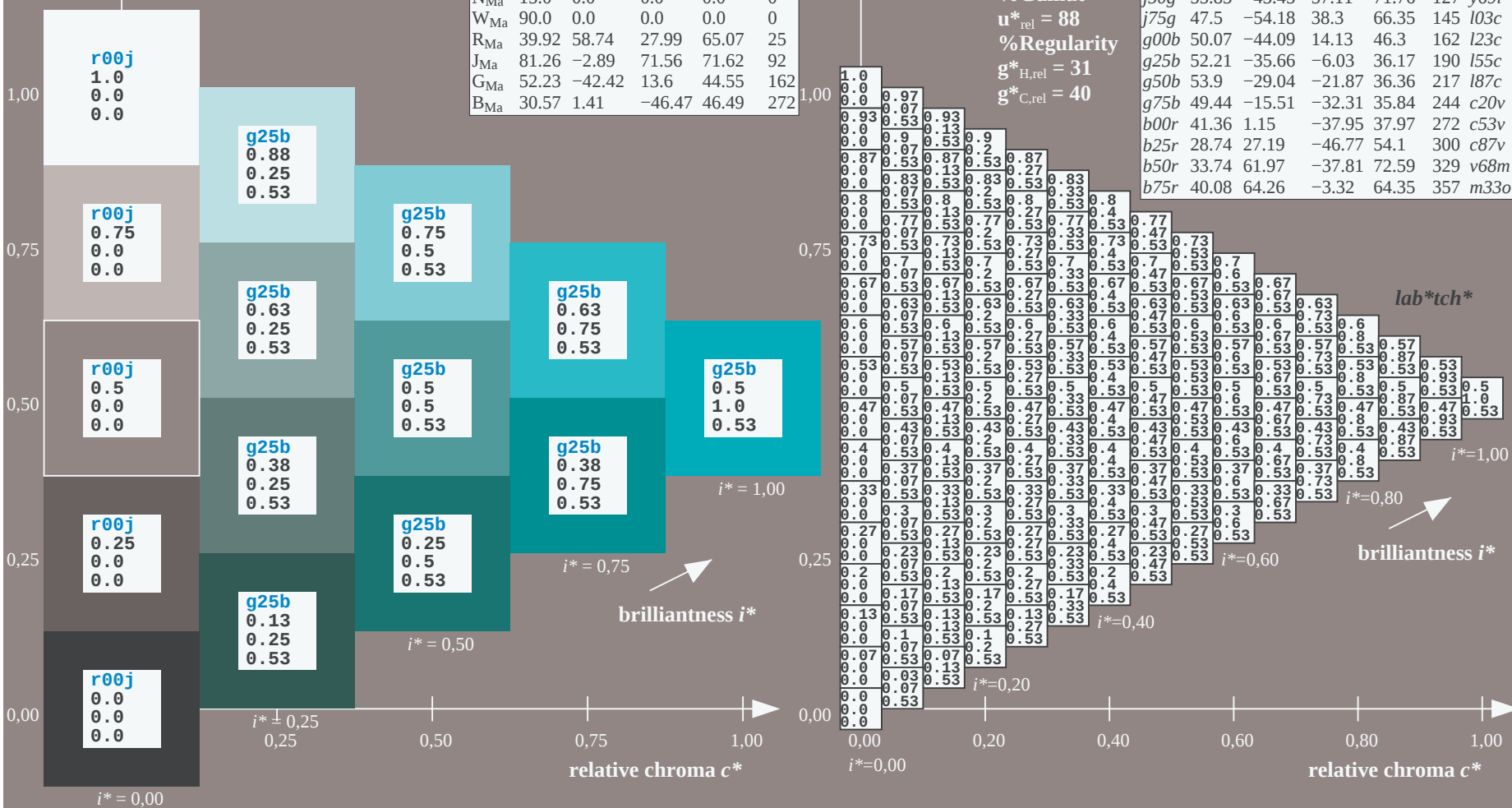
$u^*_{rel} = 88$

% Regularity

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

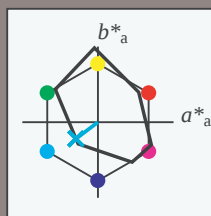
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*tch^*

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

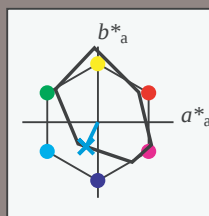
Hue texts:

$u_e^* = g75b$ $u_d^* = c20v$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

% Gamut

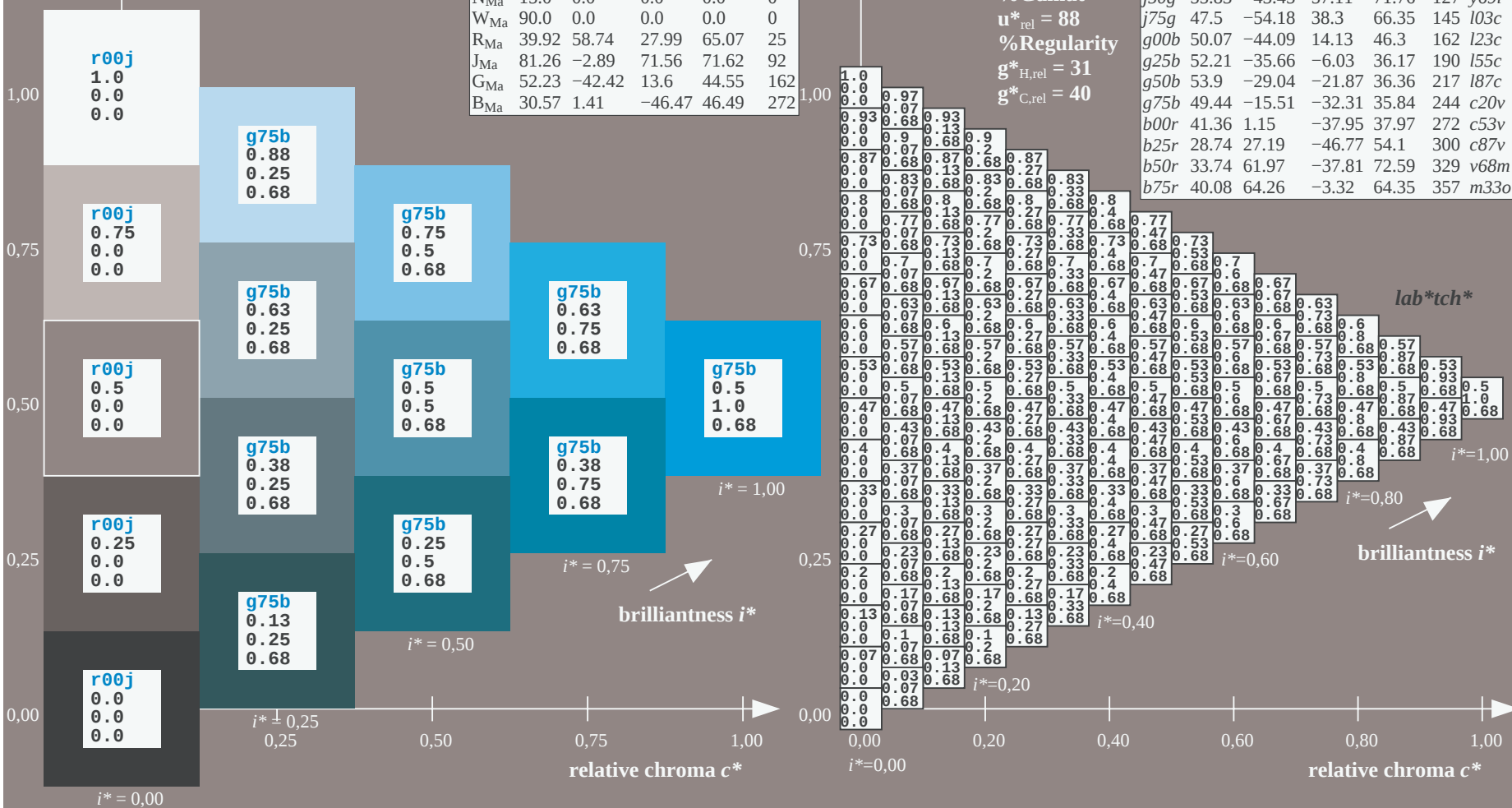
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

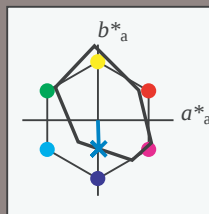
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

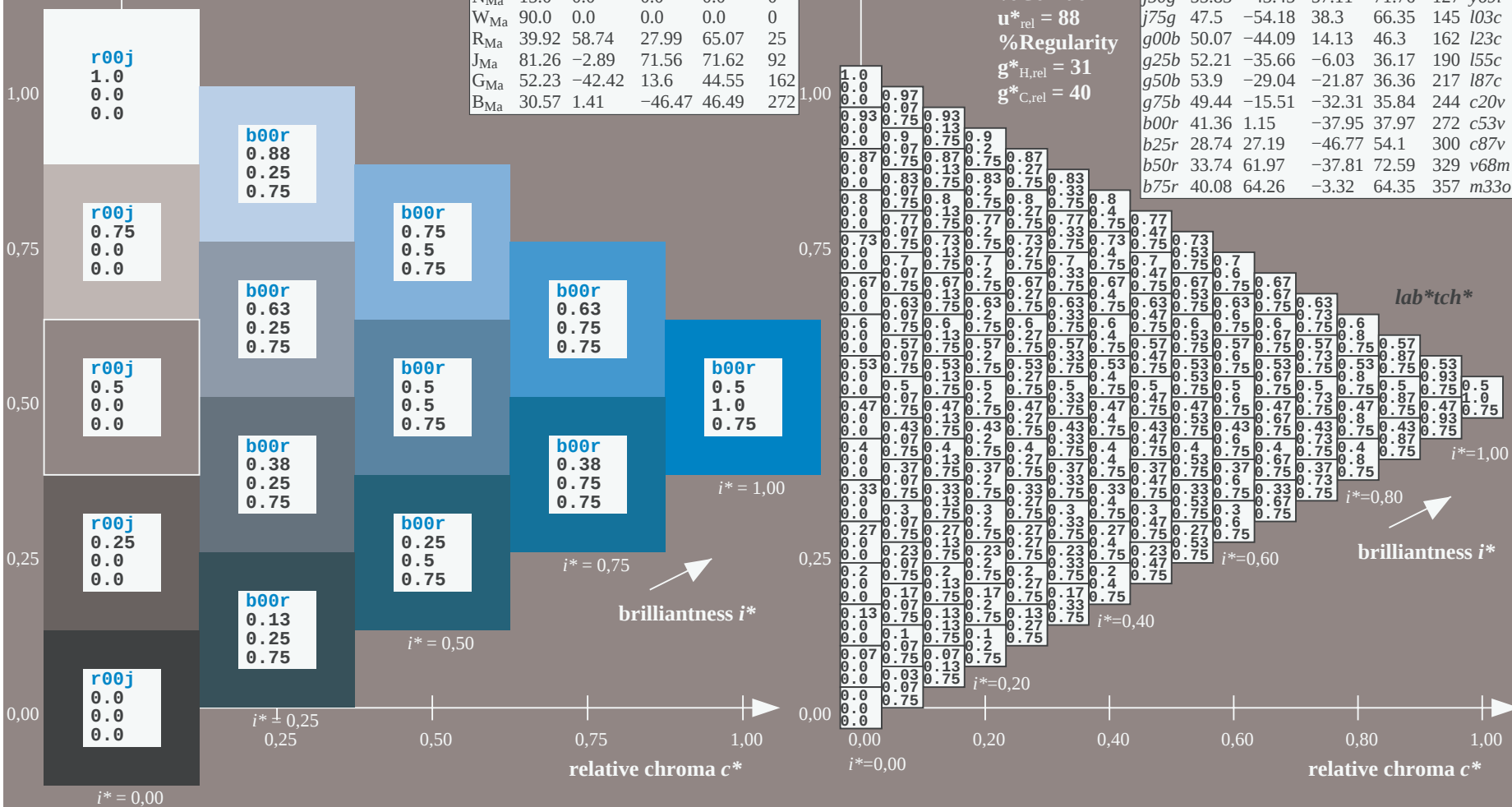
$u^*_{rel} = 88$

%Regularity

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

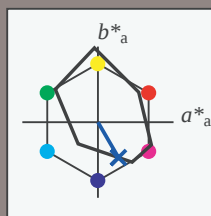
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

% Gamut

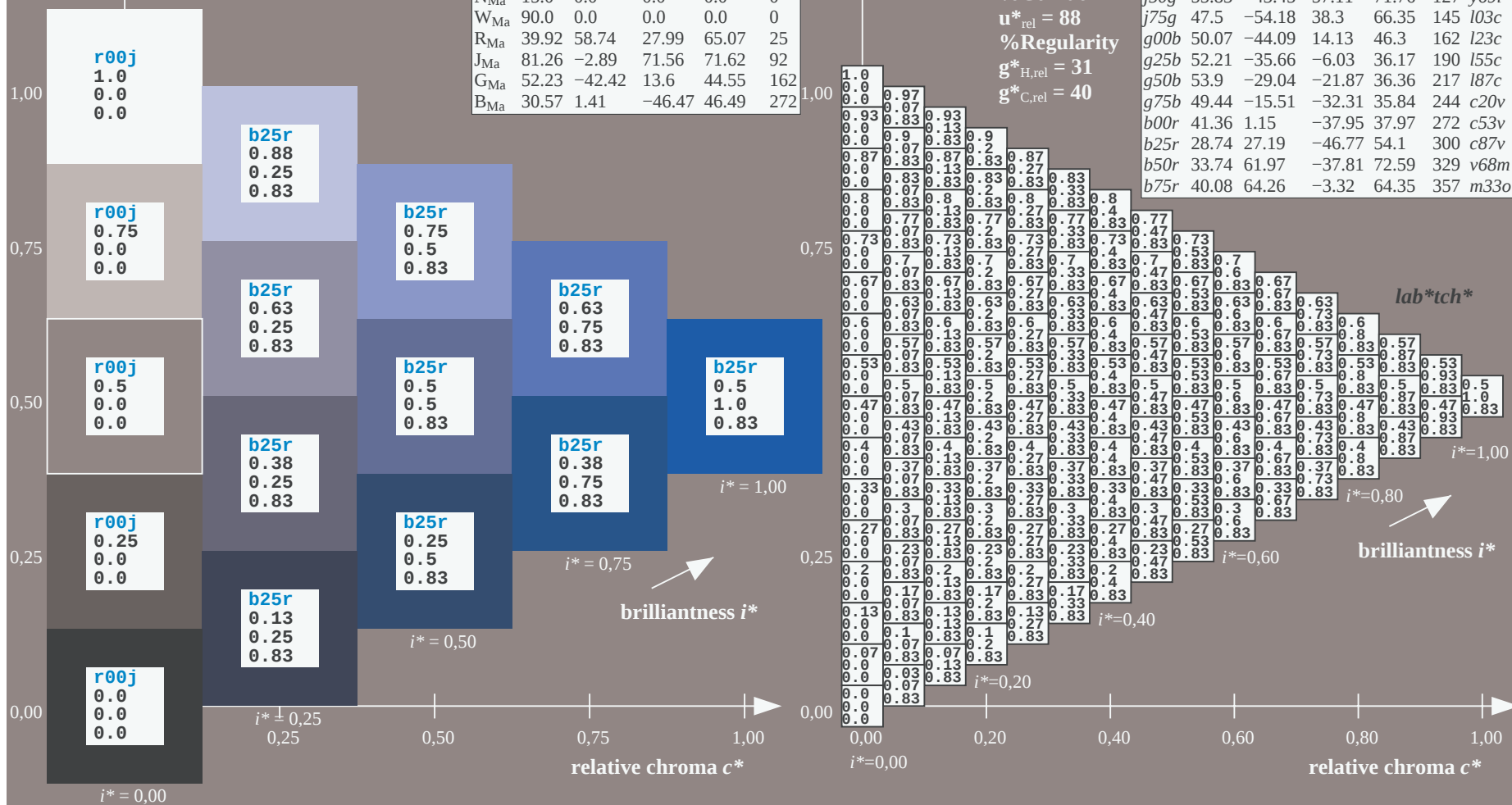
$u^*_{rel} = 88$

% Regularity

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

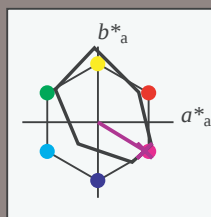
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

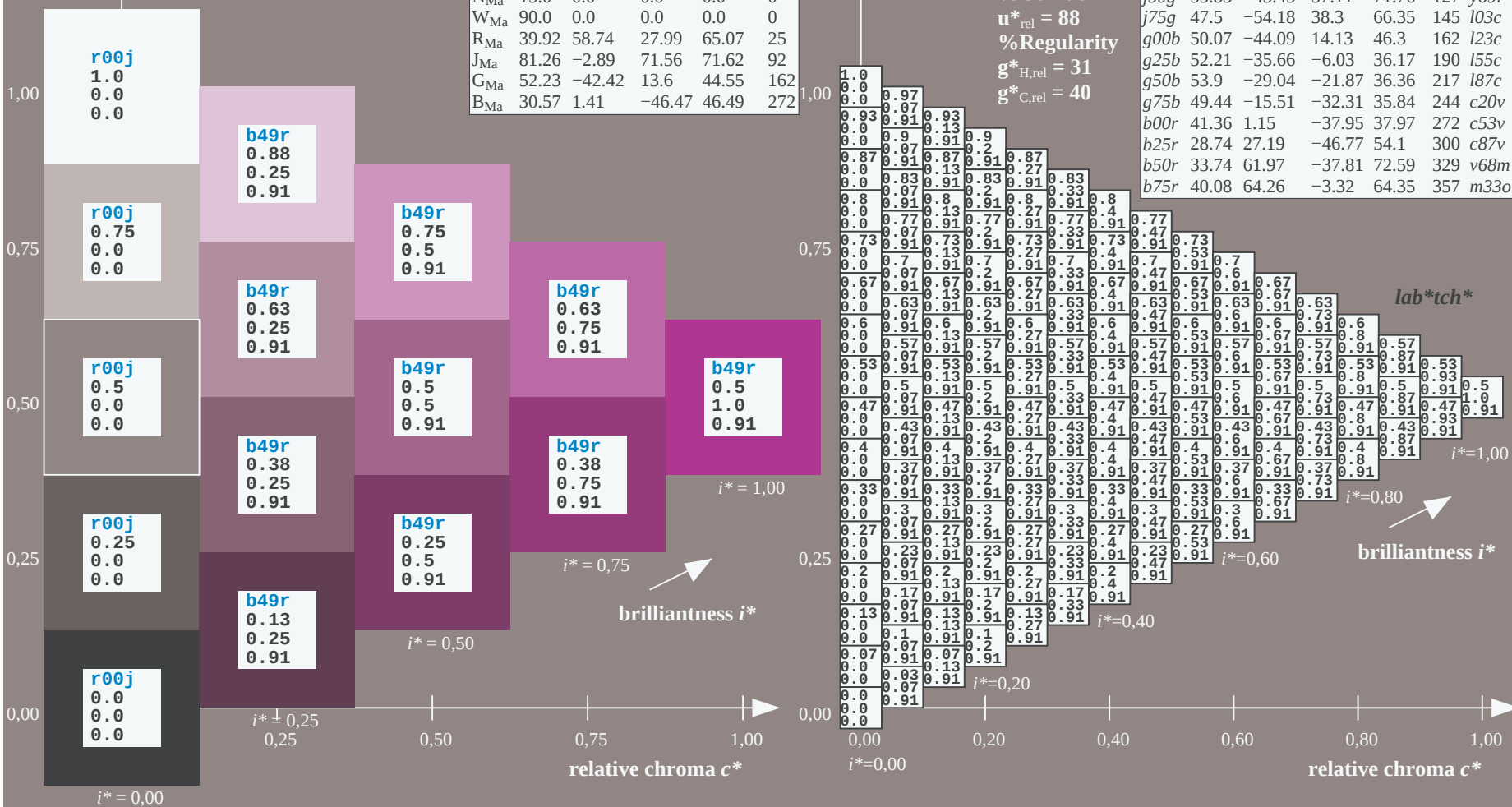
$u^*_{rel} = 88$

% Regularity

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

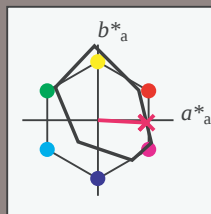
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m33o$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

% Gamut

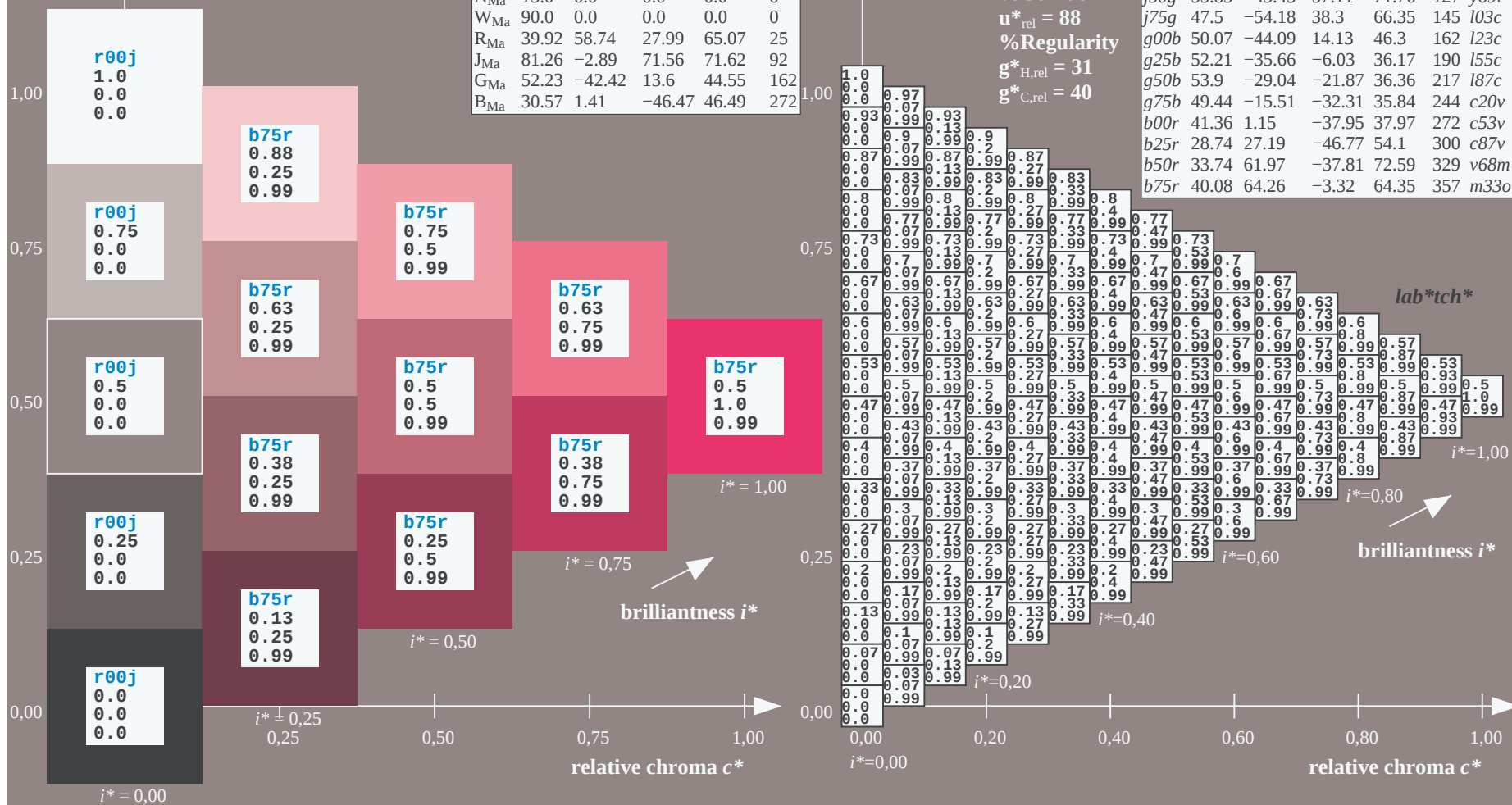
$u_{rel}^* = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1.1, CIELAB, ColSpx=0

BAM registration: 20081001-Ee33/10/L33E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

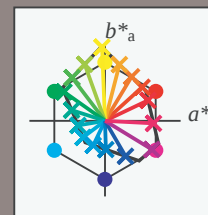
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*tch*			
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	1.0	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.0	0.0	0.0		
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	
	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.1	0.26	0.33	0.35	0.36	0.37	0.37	0.38	0.38	0.1	0.28	0.28	0.26	0.3	0.33	0.34	0.35	0.36	0.36	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
02	0.06	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.94	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.13	0.13	0.13	0.13	
	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.0	0.0	0.0	0.0	
	0.86	0.63	0.51	0.47	0.45	0.44	0.43	0.43	0.94	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.02	0.1	0.26	0.33	0.35	0.36	0.37	0.37	0.38	0.63	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
03	0.13	0.13	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.13	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.88	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.25	0.25	0.25	0.25	
	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.0	0.0	0.0	0.0	
	0.86	0.75	0.63	0.55	0.51	0.49	0.47	0.46	0.45	0.9	0.86	0.63	0.51	0.47	0.45	0.44	0.43	0.43	0.94	0.94	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
04	0.19	0.19	0.19	0.19	0.25	0.31	0.38	0.44	0.5	0.19	0.25	0.25	0.25	0.31	0.38	0.44	0.5	0.56	0.19	0.25	0.31	0.31	0.38	0.44	0.5	0.56	0.63	0.81	0.75	0.69	0.63	0.56	0.5	0.44	0.38	0.31	0.38	0.38	0.38	0.38	
	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.38	0.25	0.13	0.0	0.13	0.25	0.38							

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

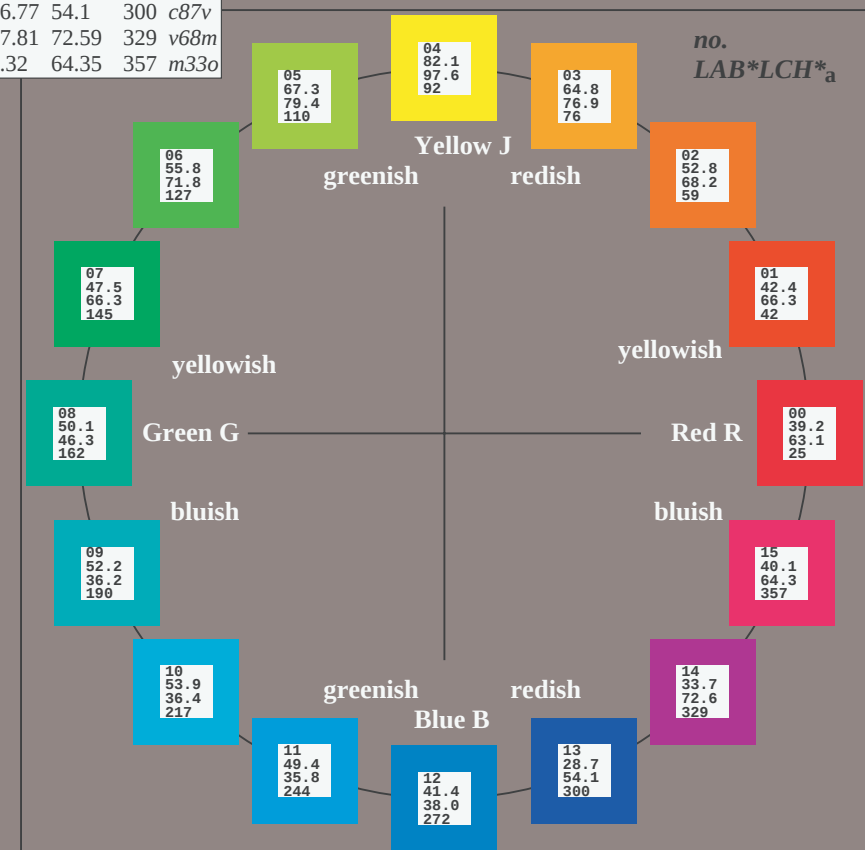
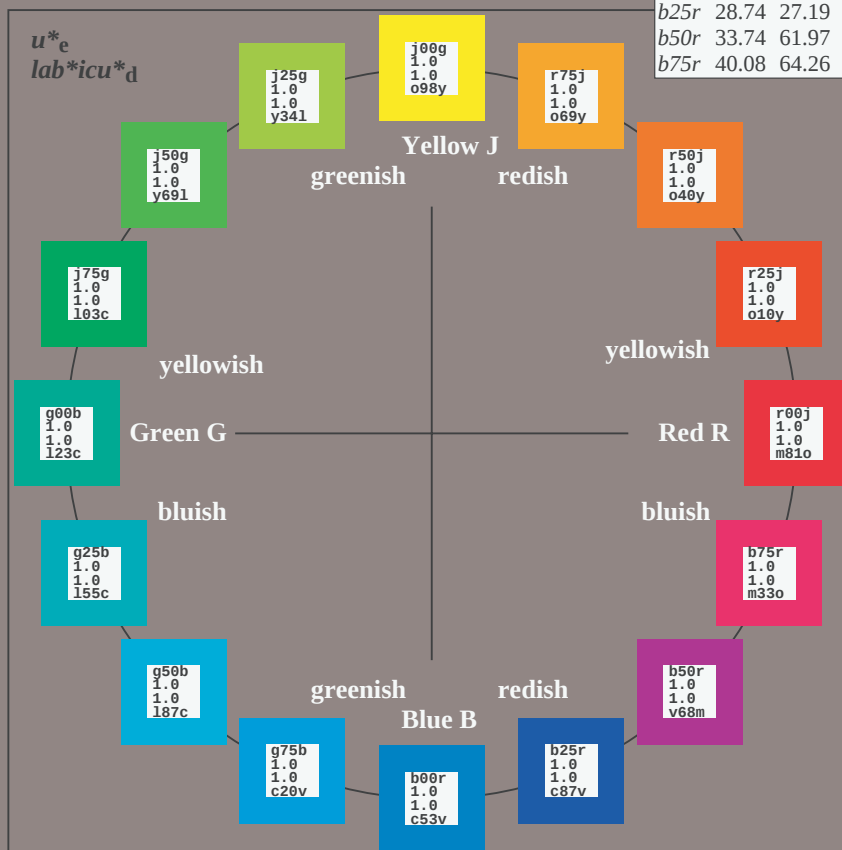
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

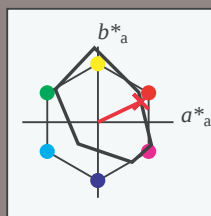
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.8	53.92	39.68	66.95	36
Y_{Ma}	82.58	-4.64	98.22	98.33	93
L_{Ma}	46.95	-56.34	43.46	71.15	142
C_{Ma}	54.62	-26.2	-28.68	38.85	228
V_{Ma}	20.01	45.2	-52.87	69.56	311
M_{Ma}	40.88	70.68	-29.99	76.78	337
N_{Ma}	15.0	0.0	0.0	0.0	0
W_{Ma}	90.0	0.0	0.0	0.0	0
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 FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

%Gamut

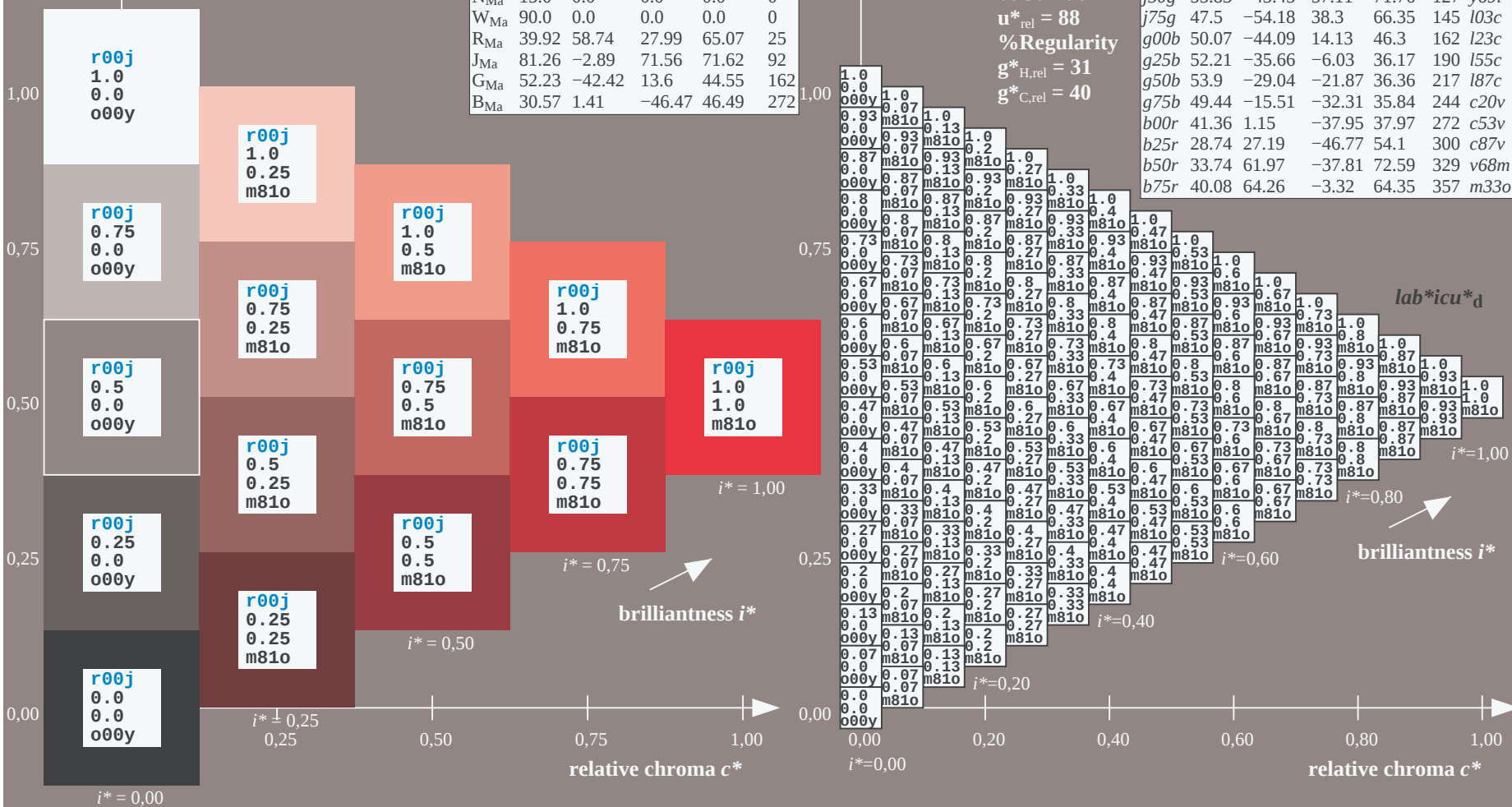
$u^*_{rel} = 88$

%Regularity

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

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

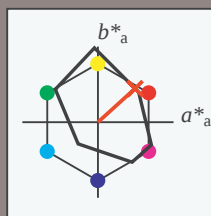
FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

% Gamut

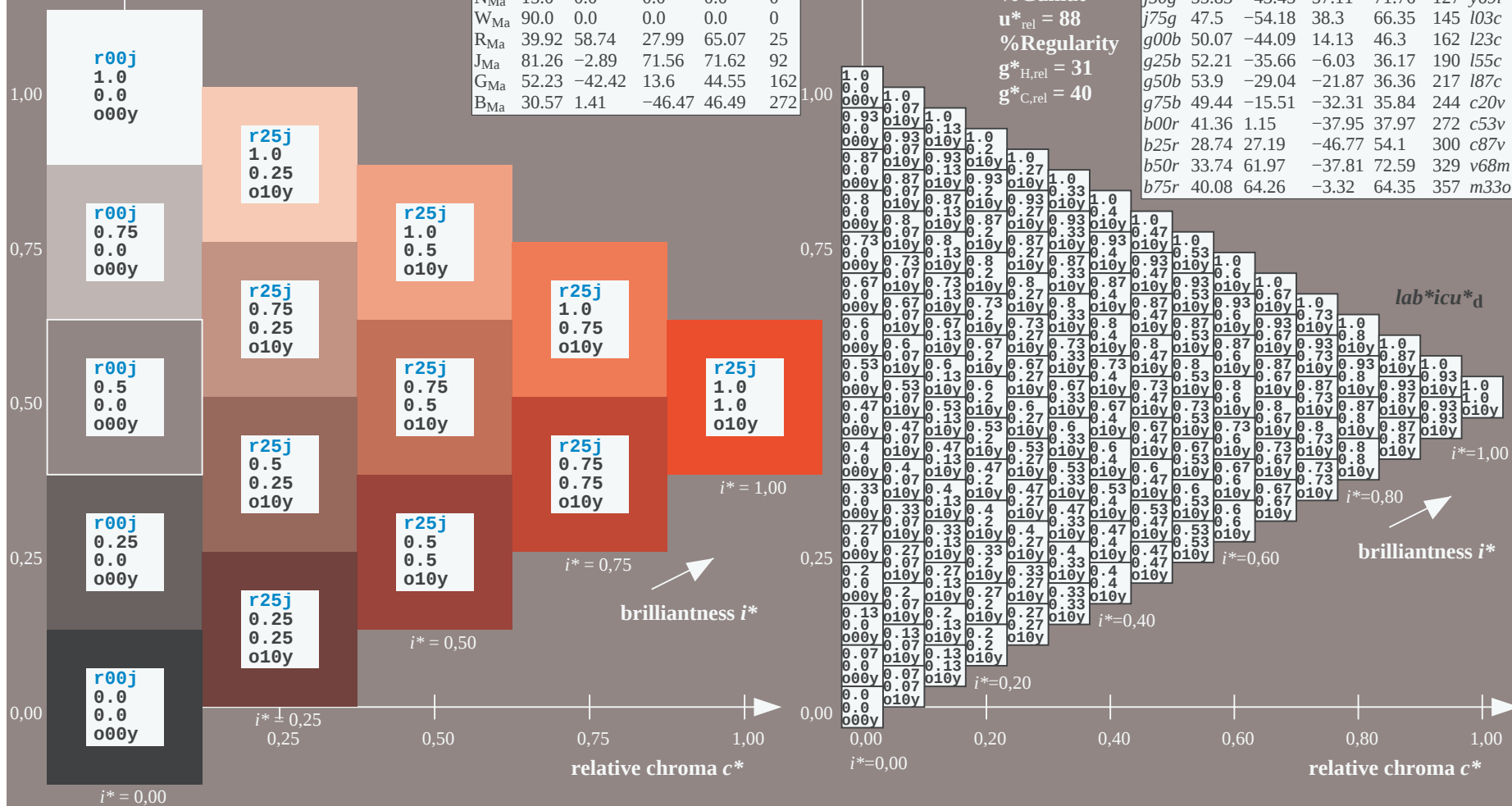
$u^*_{rel} = 88$

% Regularity

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

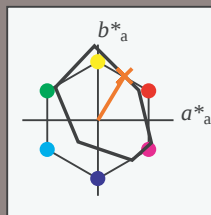
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

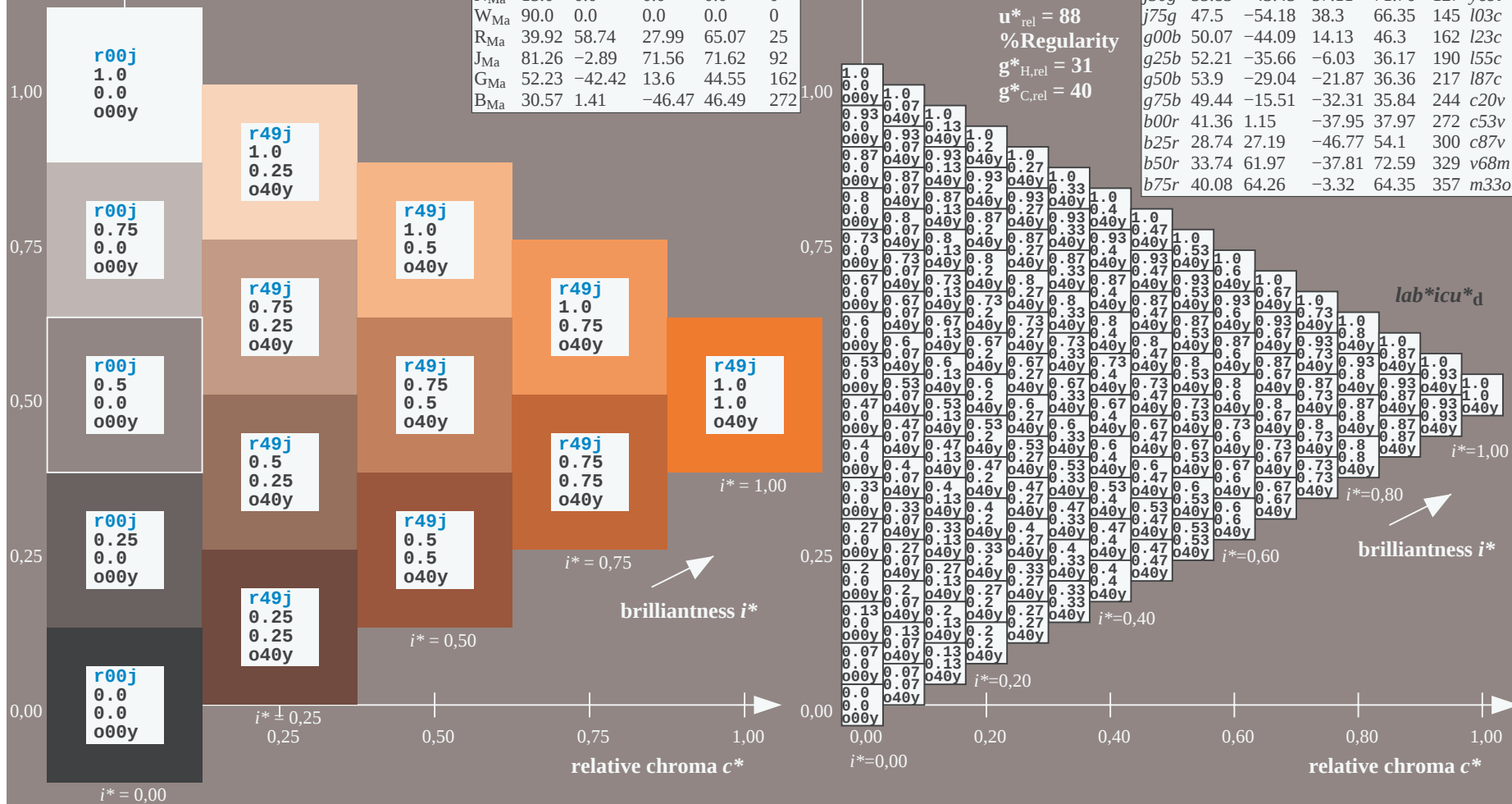
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

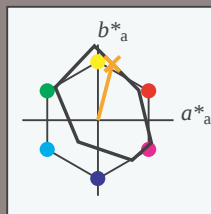
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

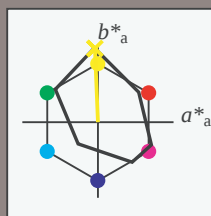
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

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

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

triangle lightness t^*

%Gamut

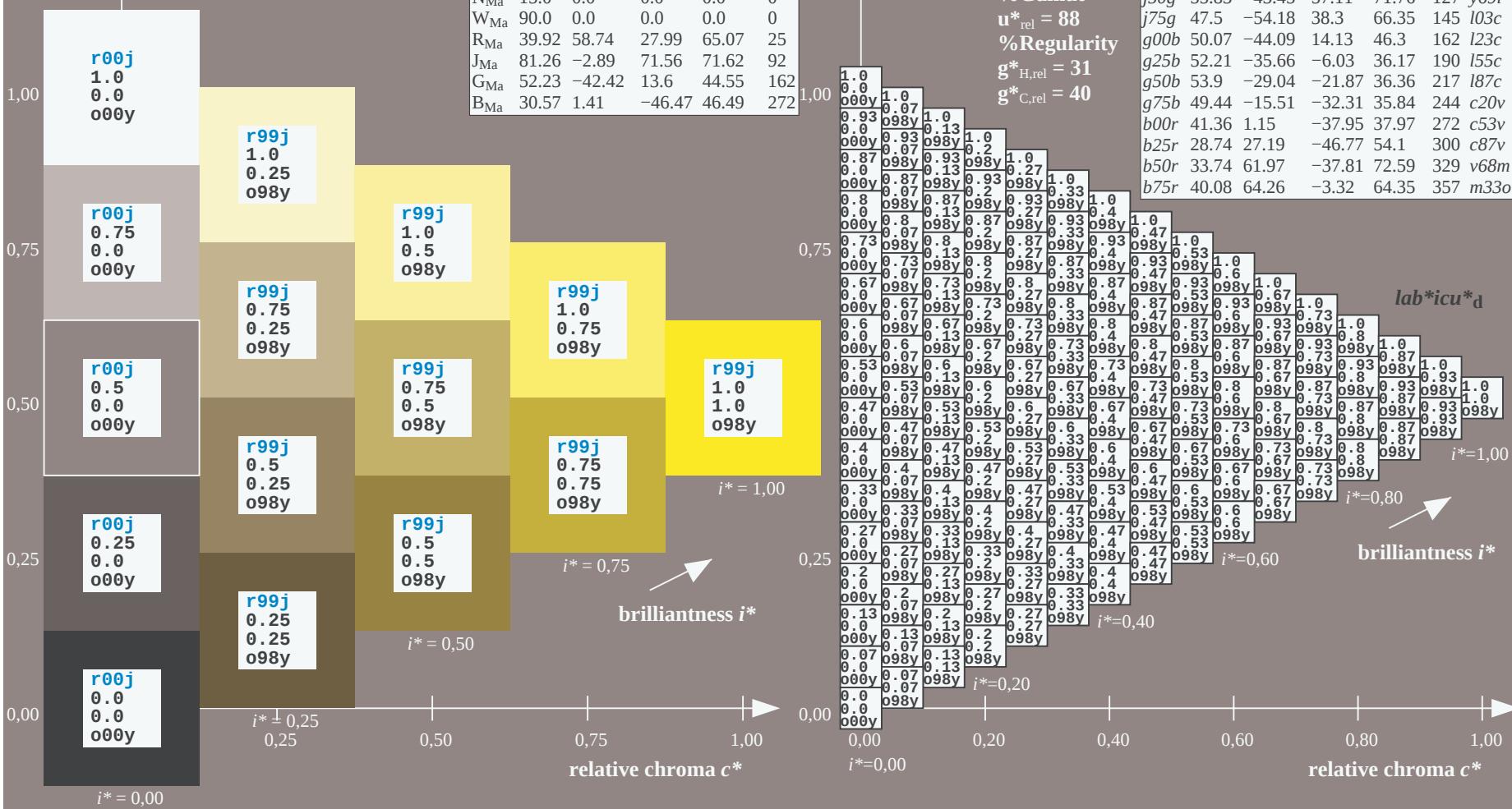
$u^*_{rel} = 88$

%Regularity

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

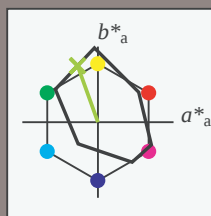
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

% Gamut

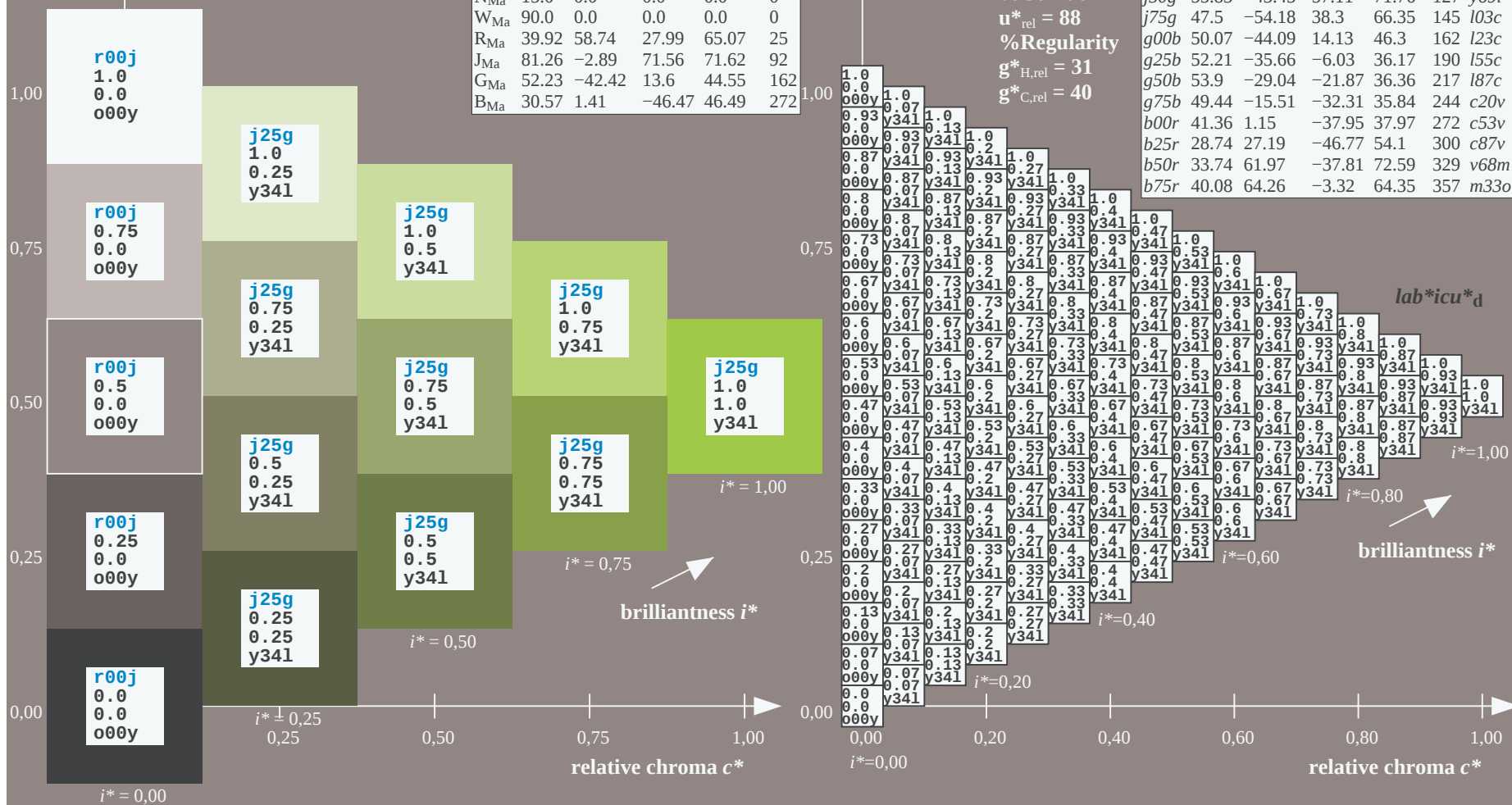
$u^*_{rel} = 88$

% Regularity

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

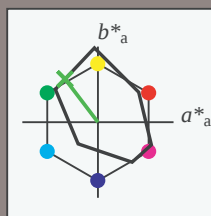
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

% Gamut

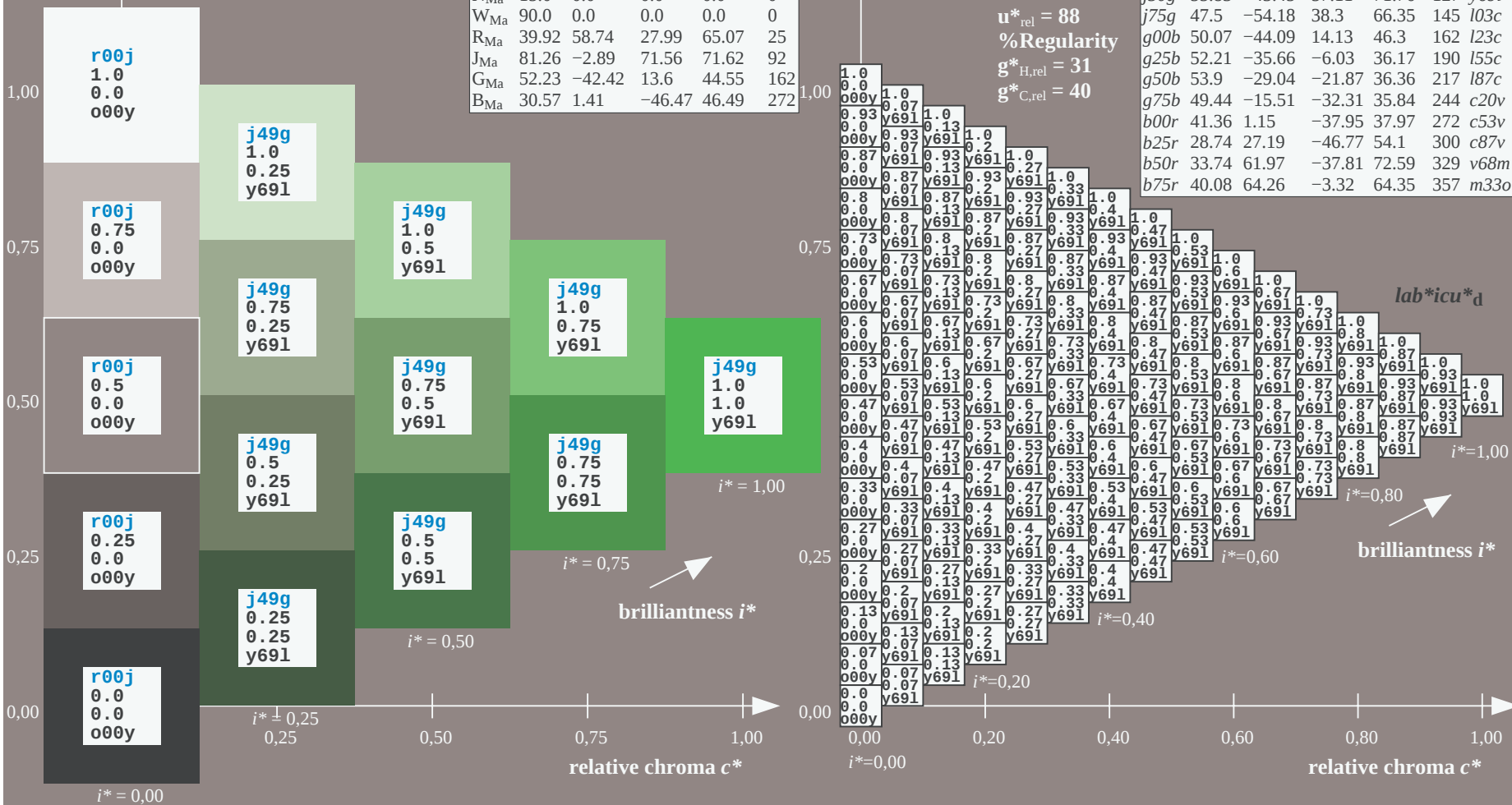
$u^*_{rel} = 88$

% Regularity

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

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

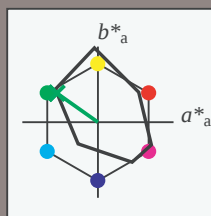
FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	i03c
g00b	50.07	-44.09	14.13	46.3	162	i23c
g25b	52.21	-35.66	-6.03	36.17	190	i55c
g50b	53.9	-29.04	-21.87	36.36	217	i87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

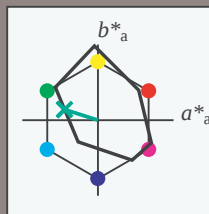
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

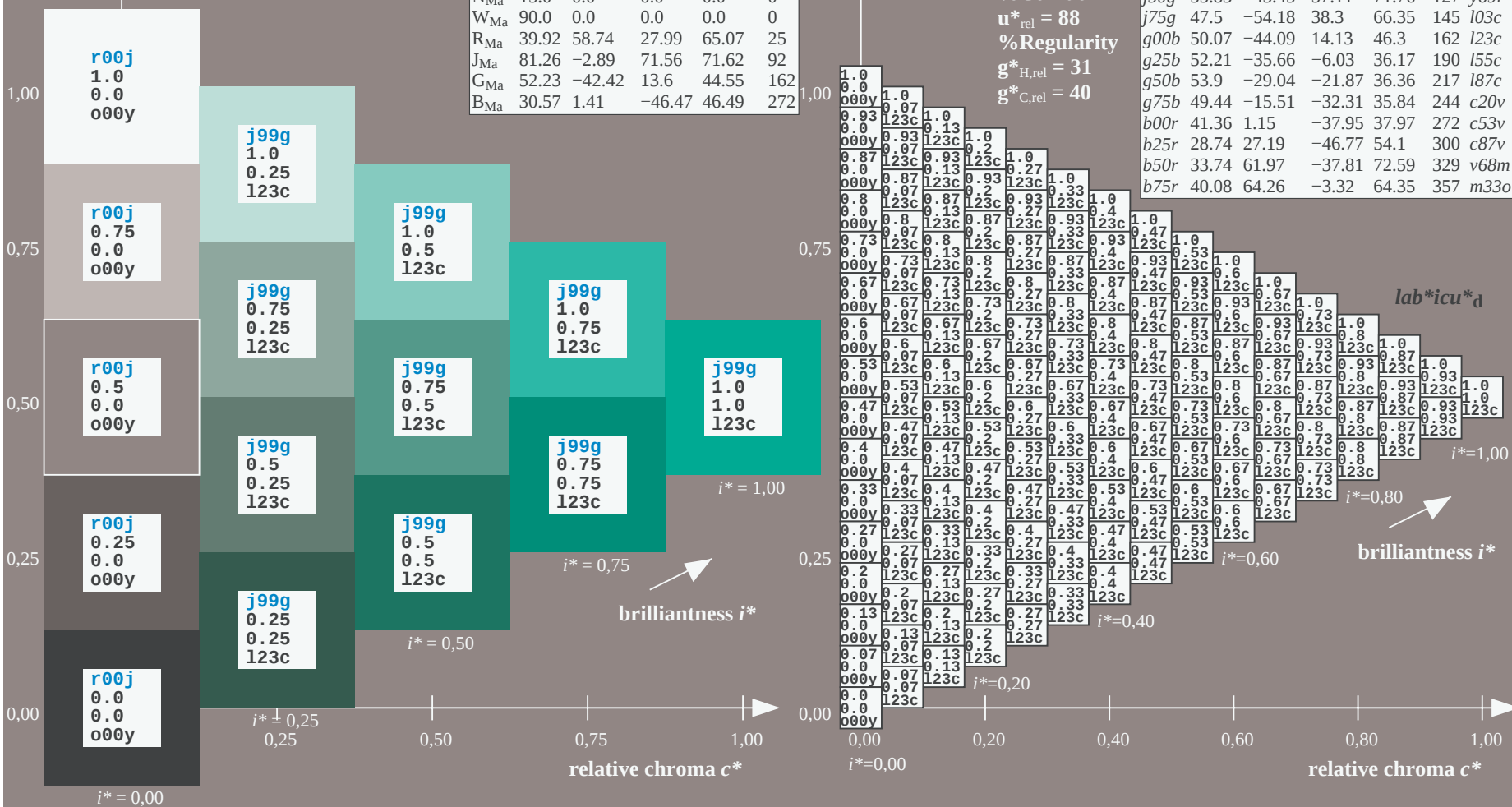
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

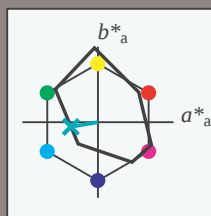
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

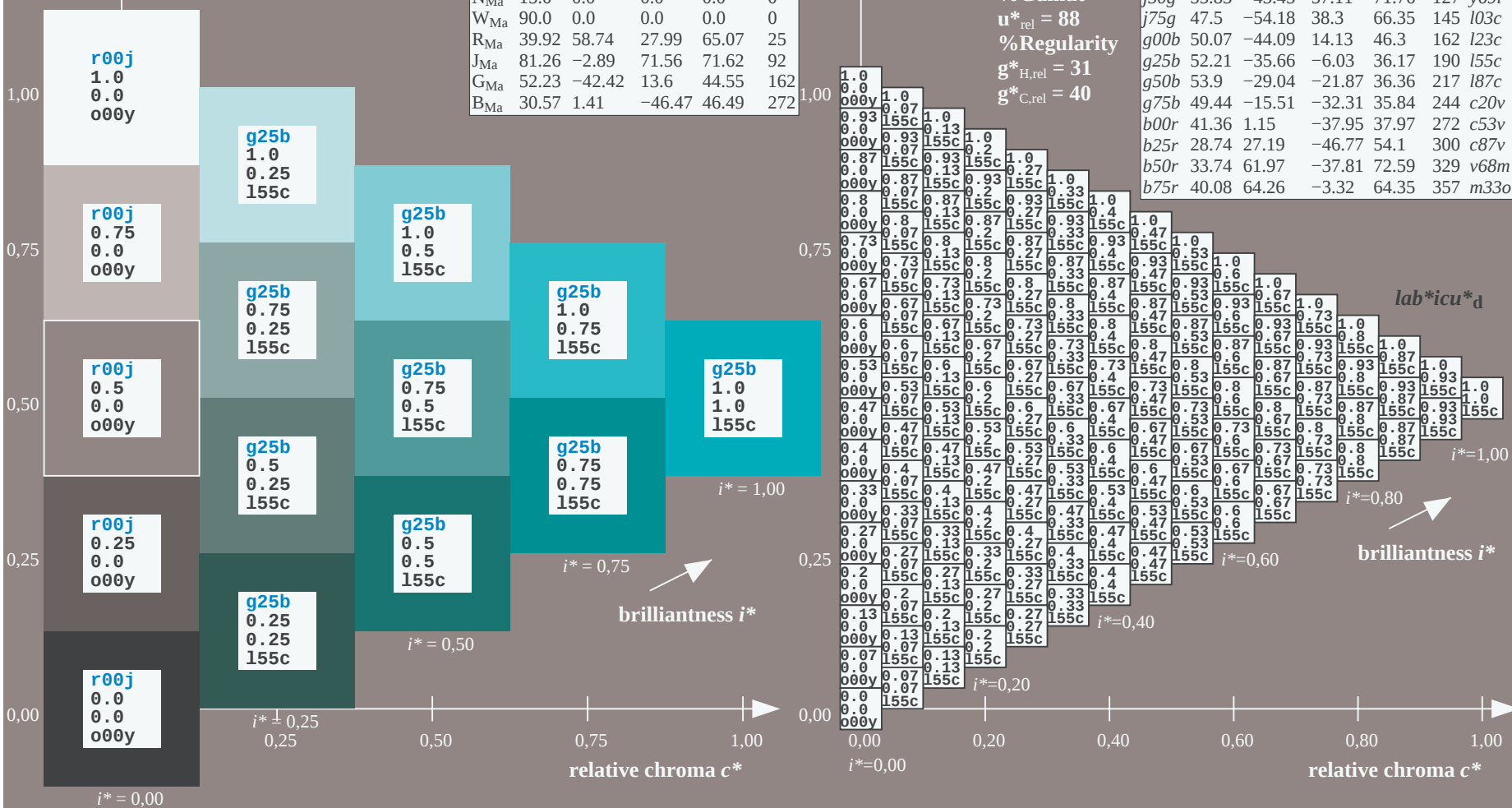
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

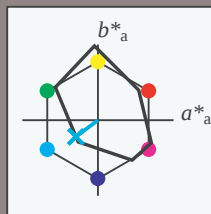
Hue texts:

$u^*_e = g50b$ $u^*_d = 187c$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$lab^*icu^*_d$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

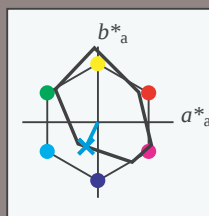
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

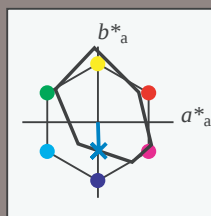
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

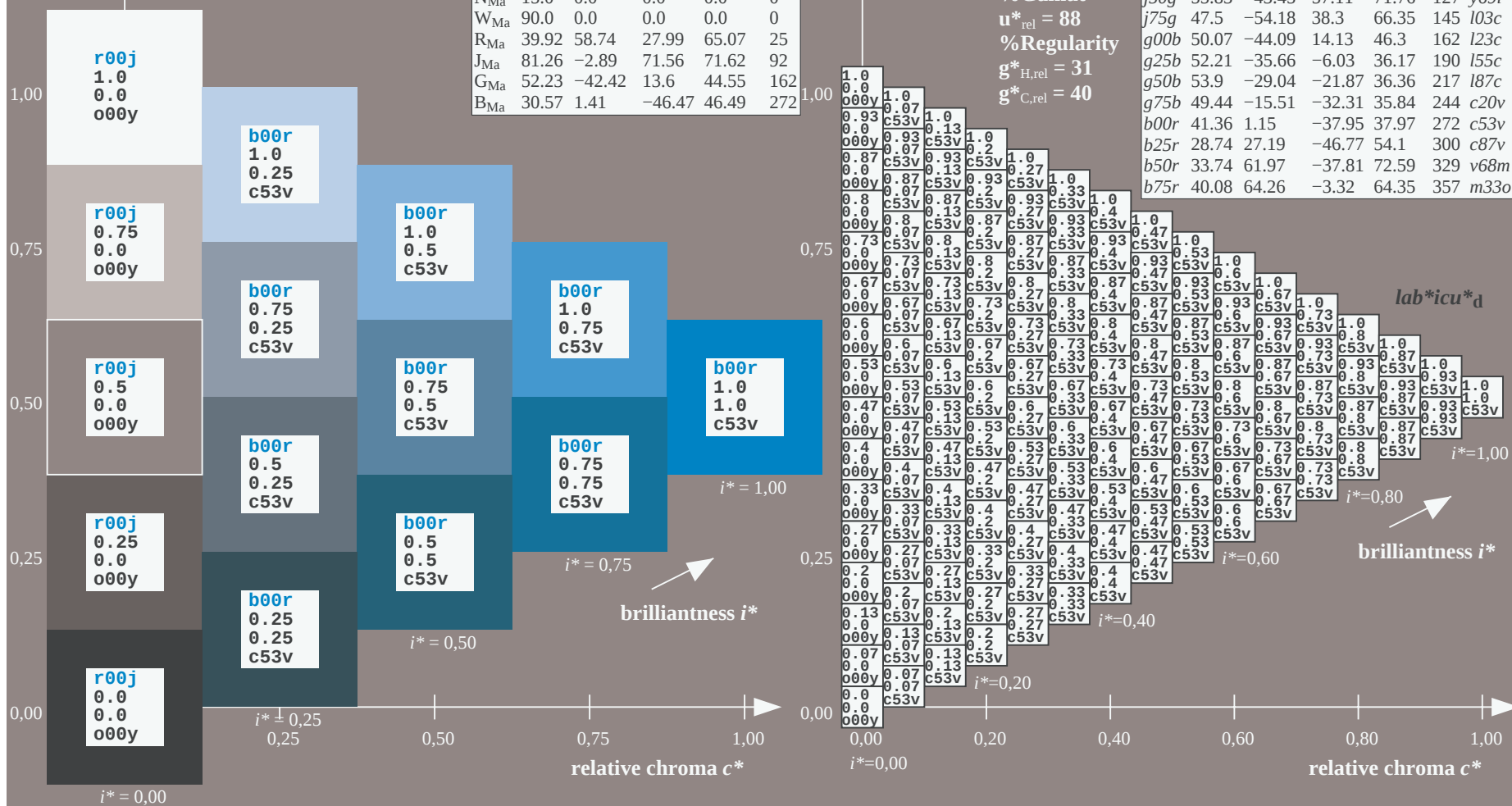
$u^*_{rel} = 88$

%Regularity

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

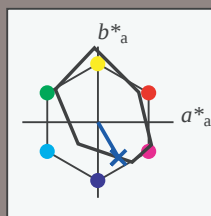
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

$lab^*icu^*_d$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

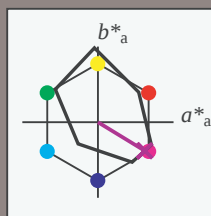
relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36
Y _{Ma}	82.58	-4.64	98.22	98.33	93
L _{Ma}	46.95	-56.34	43.46	71.15	142
C _{Ma}	54.62	-26.2	-28.68	38.85	228
V _{Ma}	20.01	45.2	-52.87	69.56	311
M _{Ma}	40.88	70.68	-29.99	76.78	337
N _{Ma}	15.0	0.0	0.0	0.0	0
W _{Ma}	90.0	0.0	0.0	0.0	0
R _{Ma}	39.92	58.74	27.99	65.07	25
J _{Ma}	81.26	-2.89	71.56	71.62	92
G _{Ma}	52.23	-42.42	13.6	44.55	162
B _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

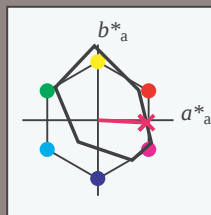
$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$ data for any colour: Data for maximum colour (Ma):

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

lab⁺tch** and *lab*⁺icu**
Hue texts:
 $u^*_e = b75r$ $u^*_d = m33o$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; adapted (a) CIELAB data						
	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.8	53.92	39.68	66.95	36	
Y _{Ma}	82.58	-4.64	98.22	98.33	93	
L _{Ma}	46.95	-56.34	43.46	71.15	142	
C _{Ma}	54.62	-26.2	-28.68	38.85	228	
V _{Ma}	20.01	45.2	-52.87	69.56	311	
M _{Ma}	40.88	70.68	-29.99	76.78	337	
N _{Ma}	15.0	0.0	0.0	0.0	0	
W _{Ma}	90.0	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*Ma: 40 64 -3

*LAB*LCH**_{M3}: 40 64 357

*lab*rag**_{M3}: 1.0 0.0 0.5

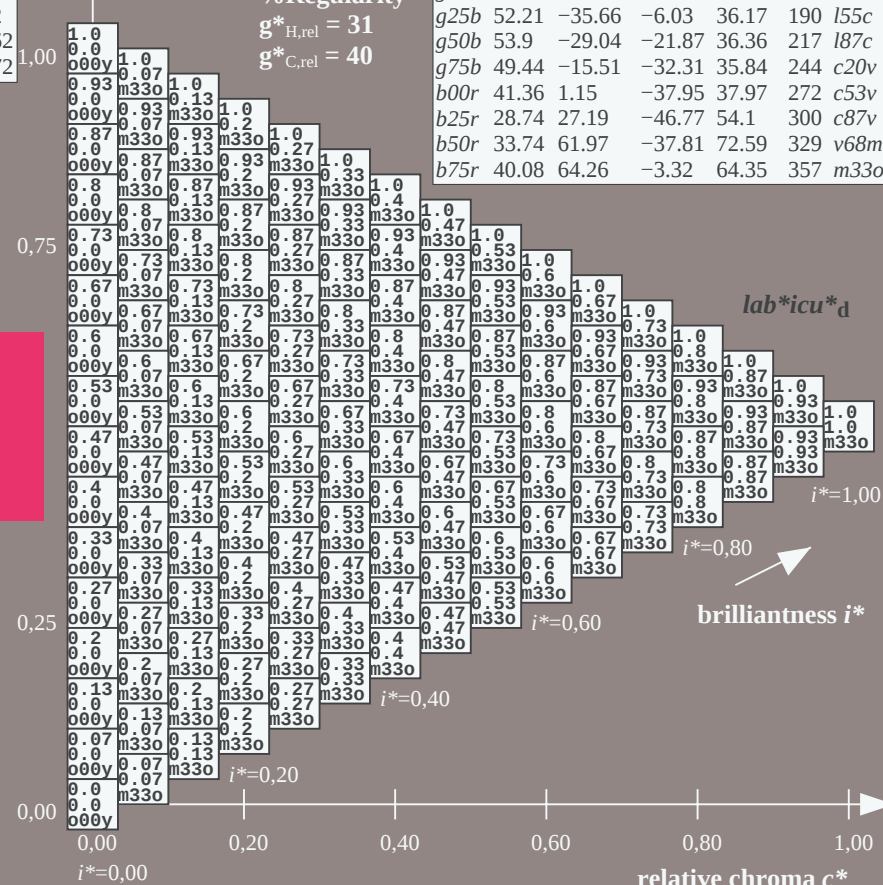
 $lab*oly*M_2: 1.0 \quad 0.0 \quad 0.66$

triangle lightness t^*

%Gamut

[illegible]

%Regularity

$$g_{\text{H rel}}^* = 31$$
$$g^*_{C_{rel}} = 40$$
brilliantness i^*

brilliantness i*

relative chroma c^*

BAM-test chart Ee33; Colorimetric systems, Page 143/198
D65: colour scales and 9 data tables for 16 hues $r00j$ to $b75r$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

BAM registration: 20081001-Ee33/10/L33E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*	icu*	d
01	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
02	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
03	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
04	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
05	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
06	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
07	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
08	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
09	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
10	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
11	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
12	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
13	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
14	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
15	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
16	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
17	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
18	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
19	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
20	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
21	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
22	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
23	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
24	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
25	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
26	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
27	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

Input and output:

Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

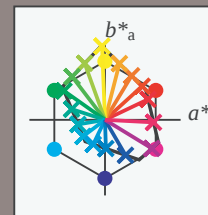
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$$c_R = 0.9$$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

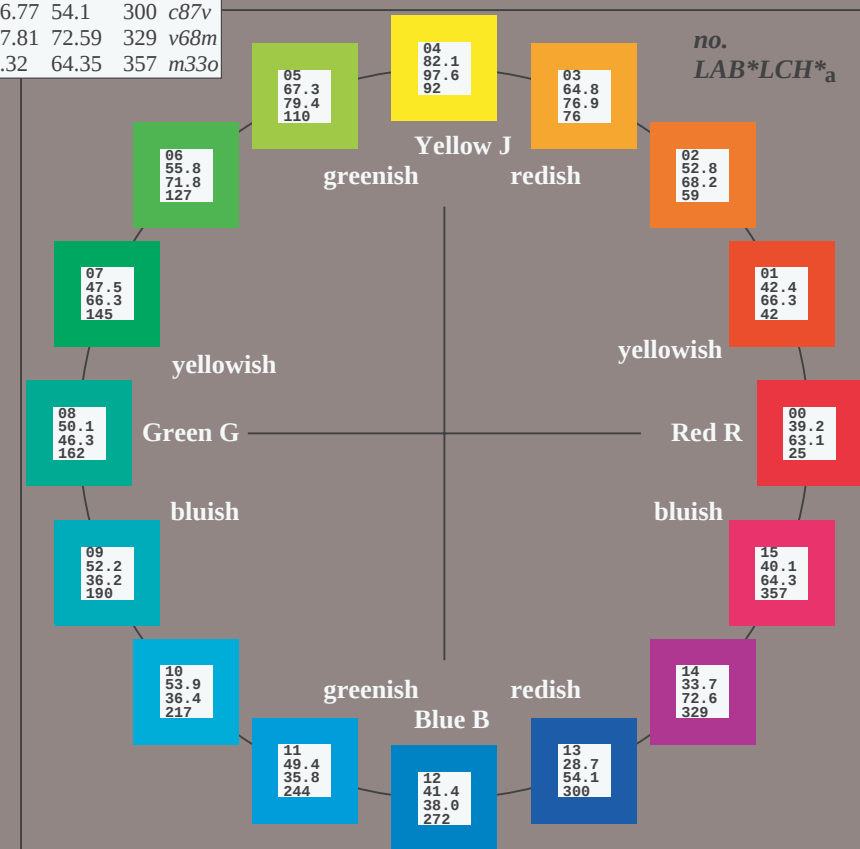
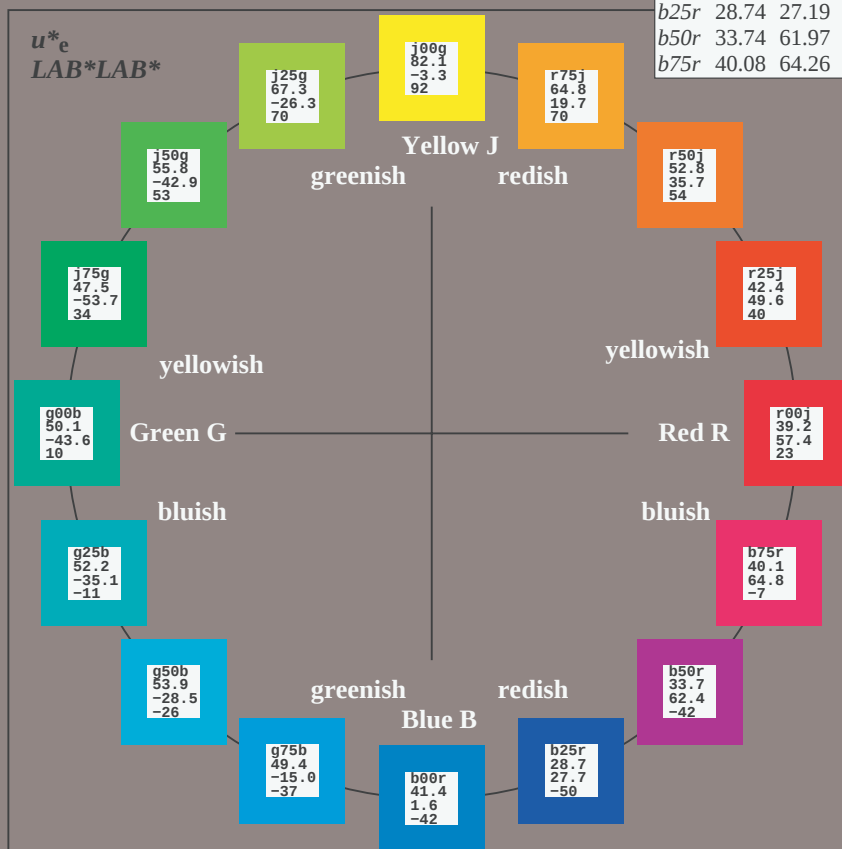
%Regularity

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

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

FRS15_90M; CIELAB data

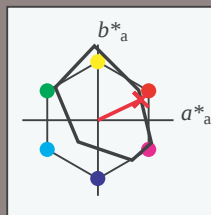
Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	-4.04	92.72	92.8	92
L_M	46.95	-55.83	39.15	68.19	145
C_M	54.62	-25.67	-33.25	42.01	232
V_M	20.01	45.64	-56.27	72.45	309
M_M	40.88	71.17	-34.09	78.92	334
N_M	15.0	0.43	-3.23	3.26	278
W_M	90.0	0.62	-5.76	5.79	276
R_{CIE}	39.92	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 FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 57 27

LAB^*LCH^*Ma : 39 63 25

lab^*rgb^*Ma : 1.0 0.0 0.0

lab^*olv^*Ma : 1.0 0.0 0.18

triangle lightness t^*

%Gamut

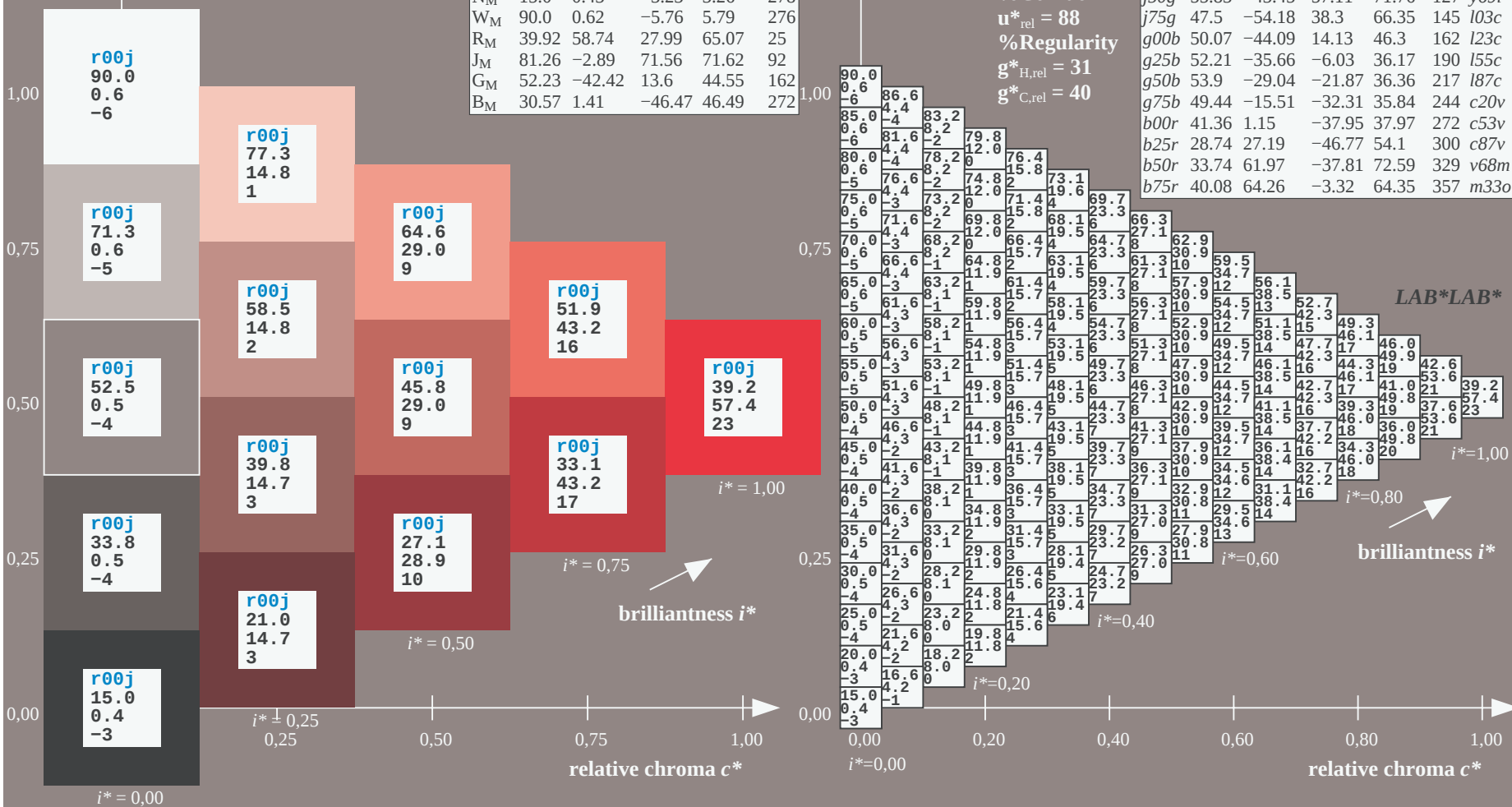
$u^*_{rel} = 88$

%Regularity

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

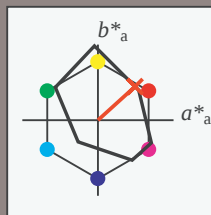
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*Ma: 42\ 49\ 44$

$LAB^*LCH^*Ma: 42\ 66\ 42$

$lab^*rgb^*Ma: 1.0\ 0.25\ 0.0$

$lab^*olv^*Ma: 1.0\ 0.1\ 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

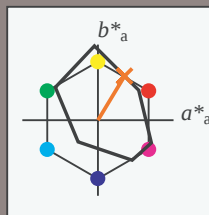
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

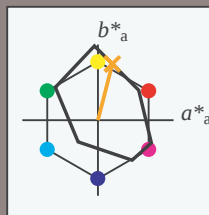
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

%Gamut

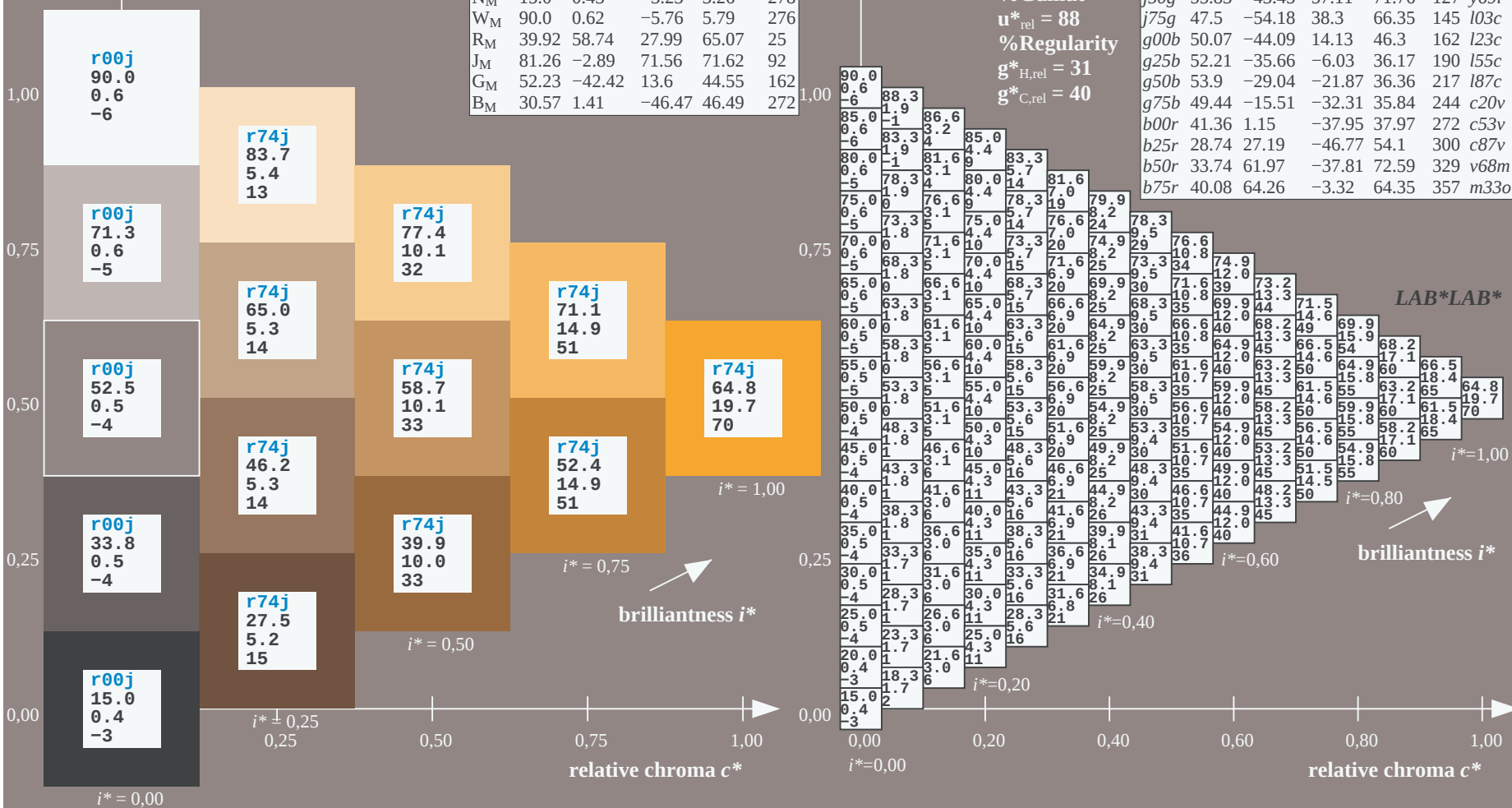
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

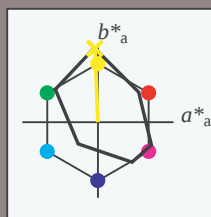
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*Ma: 82 -4 98$

$LAB^*LCH^*Ma: 82 98 92$

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

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

triangle lightness t^*

%Gamut

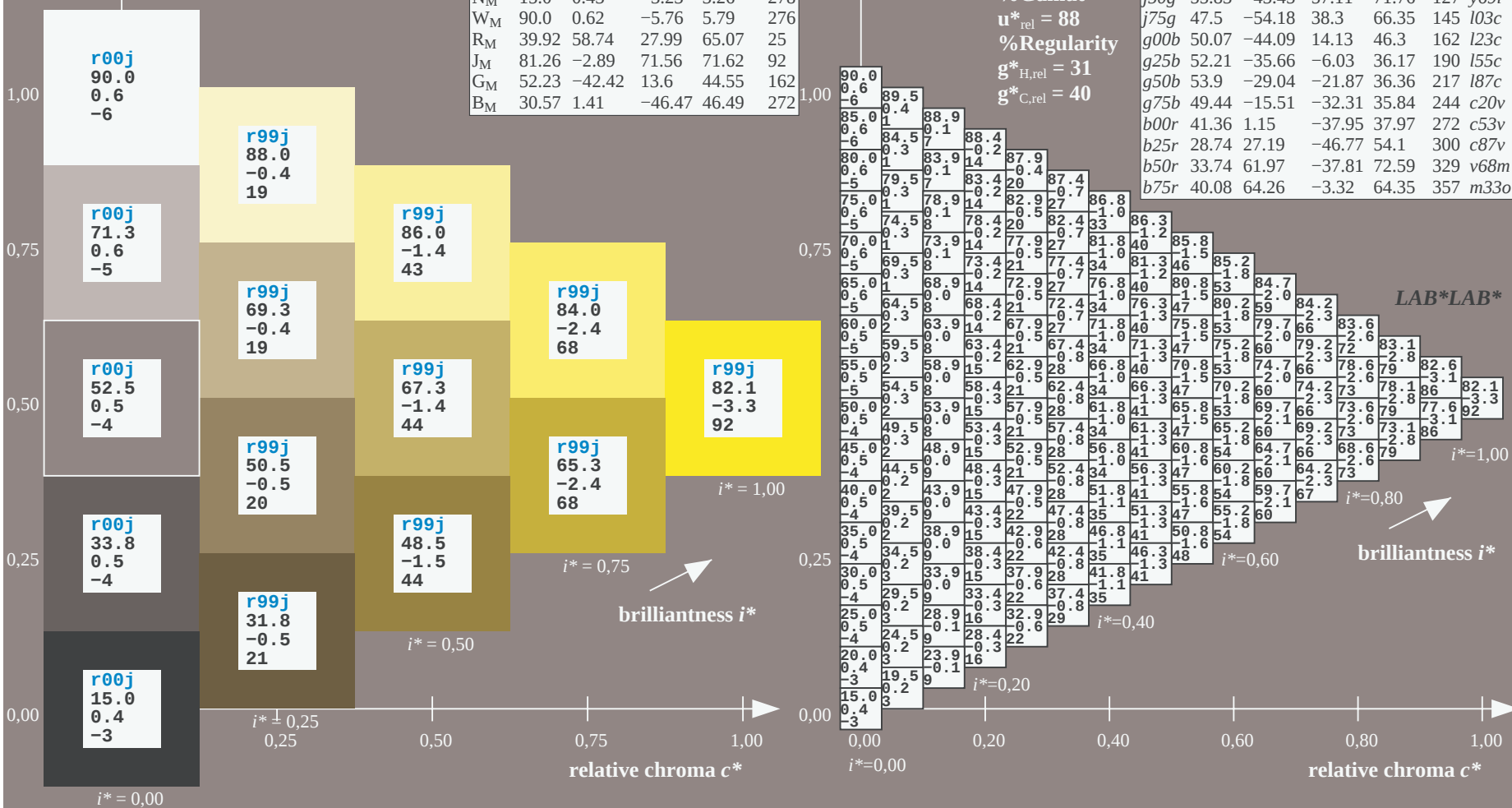
$u^*_{rel} = 88$

%Regularity

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

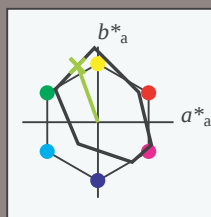
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

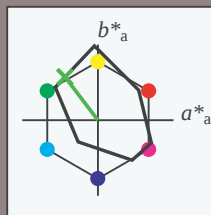
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

%Gamut

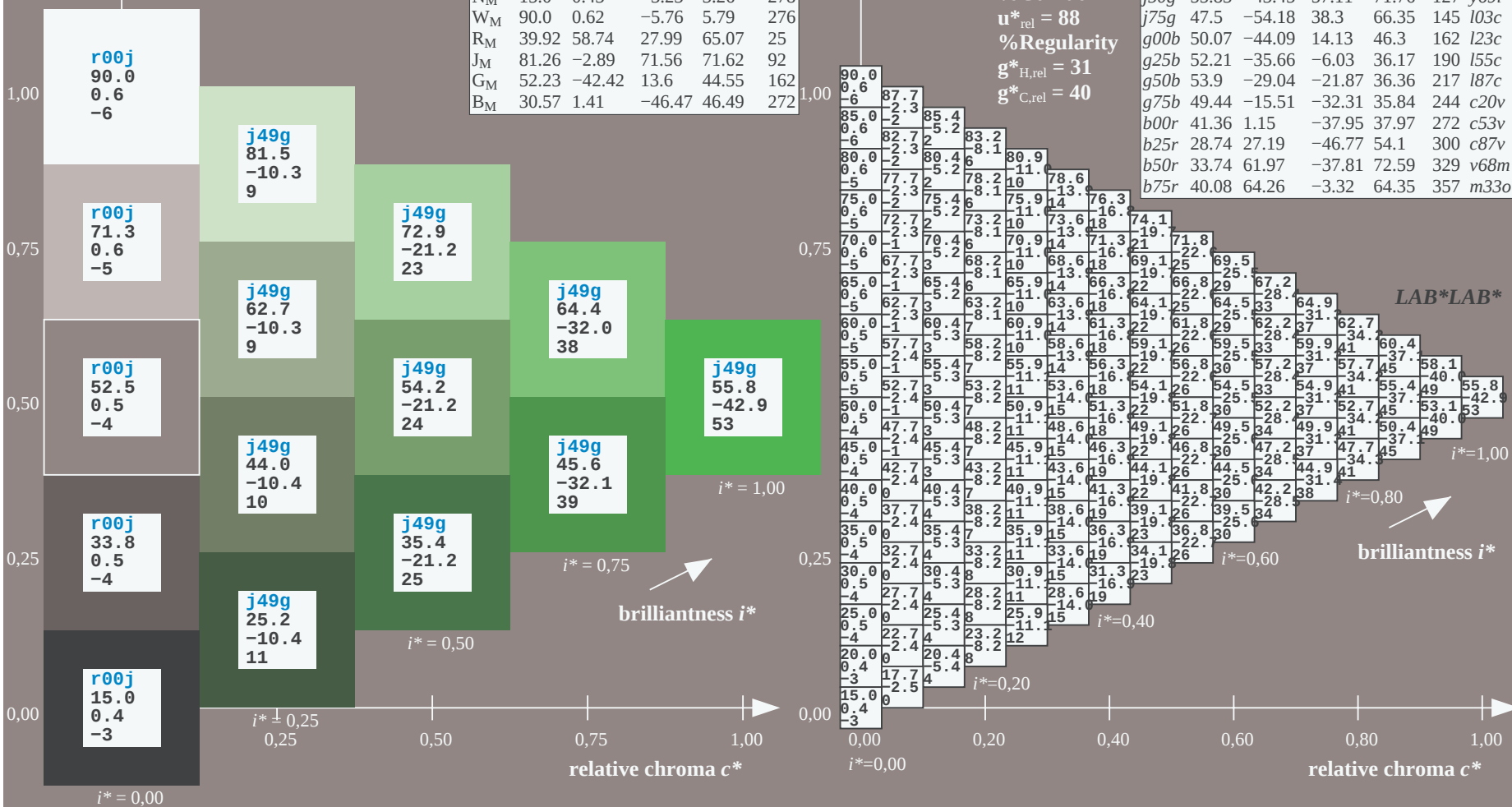
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	242
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

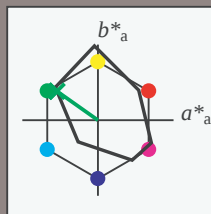
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

%Gamut

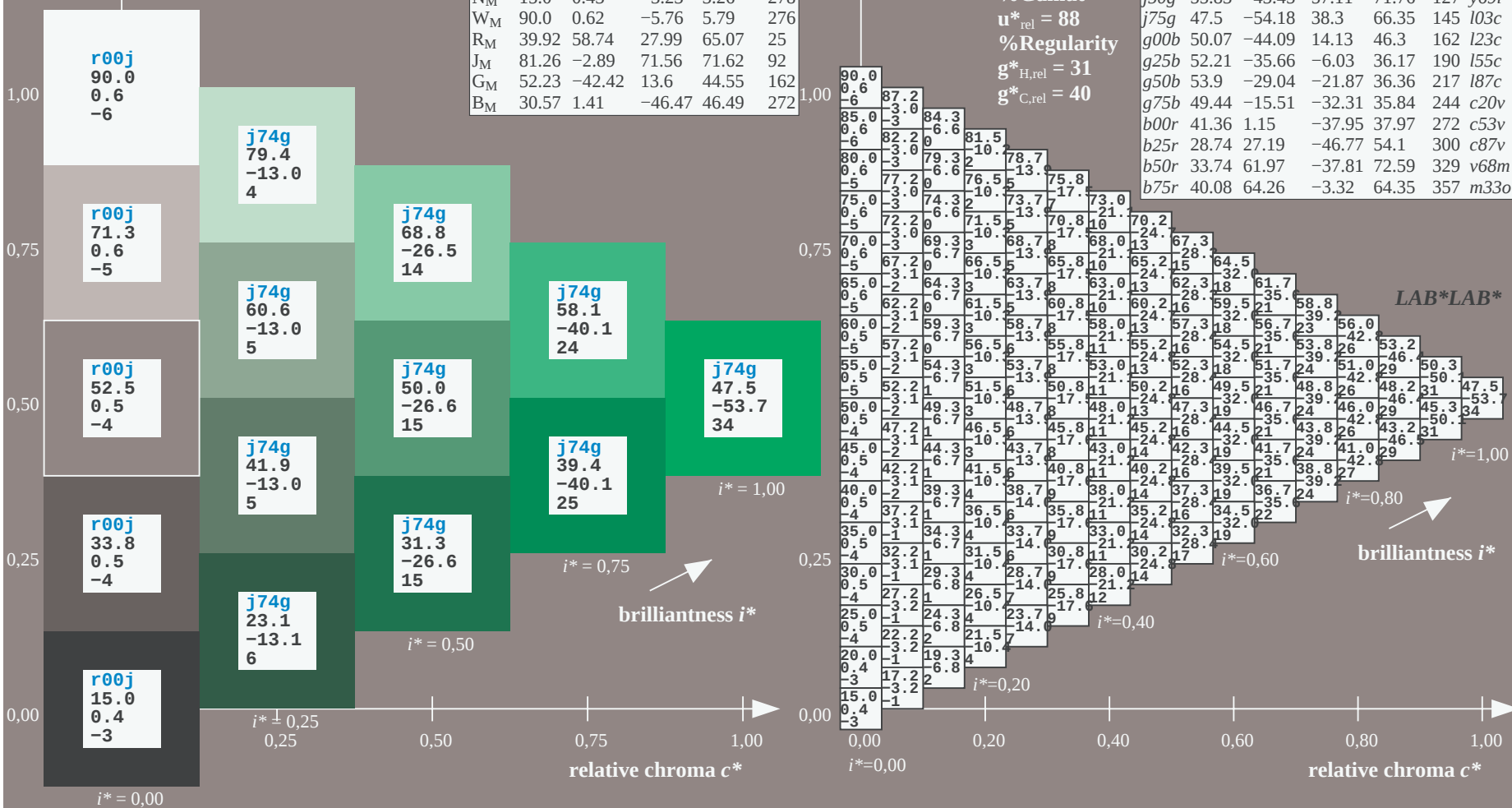
$u^*_{rel} = 88$

%Regularity

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

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

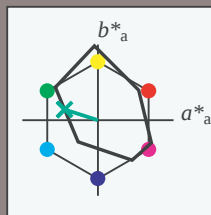
FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	i03c	
g00b	50.07	-44.09	14.13	46.3	162	i23c	
g25b	52.21	-35.66	-6.03	36.17	190	i55c	
g50b	53.9	-29.04	-21.87	36.36	217	i87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

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



FRS15_90M; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

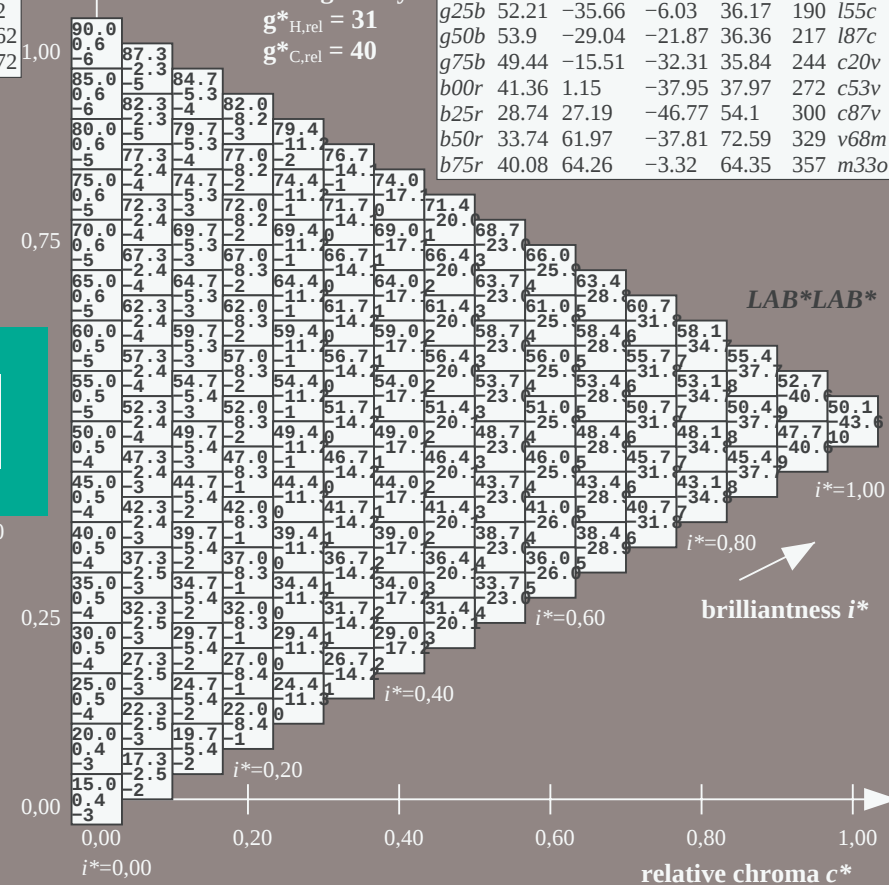
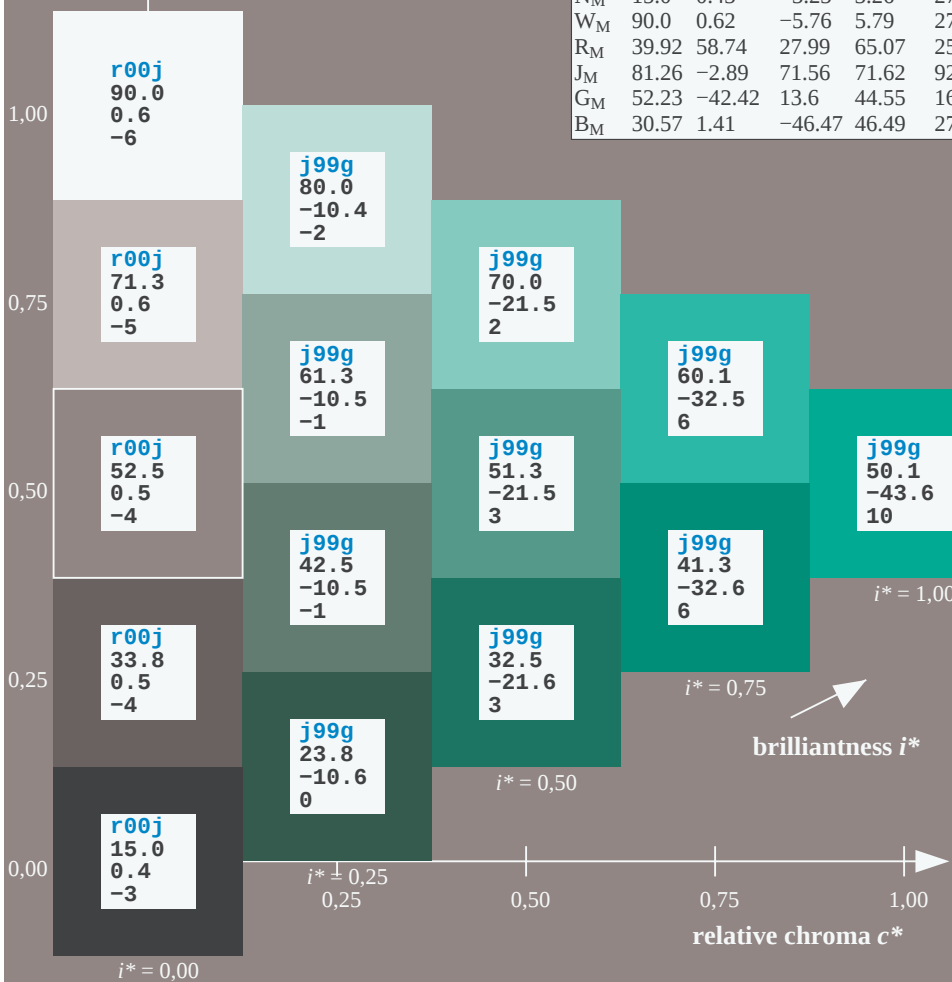
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

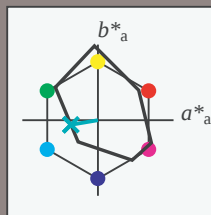
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

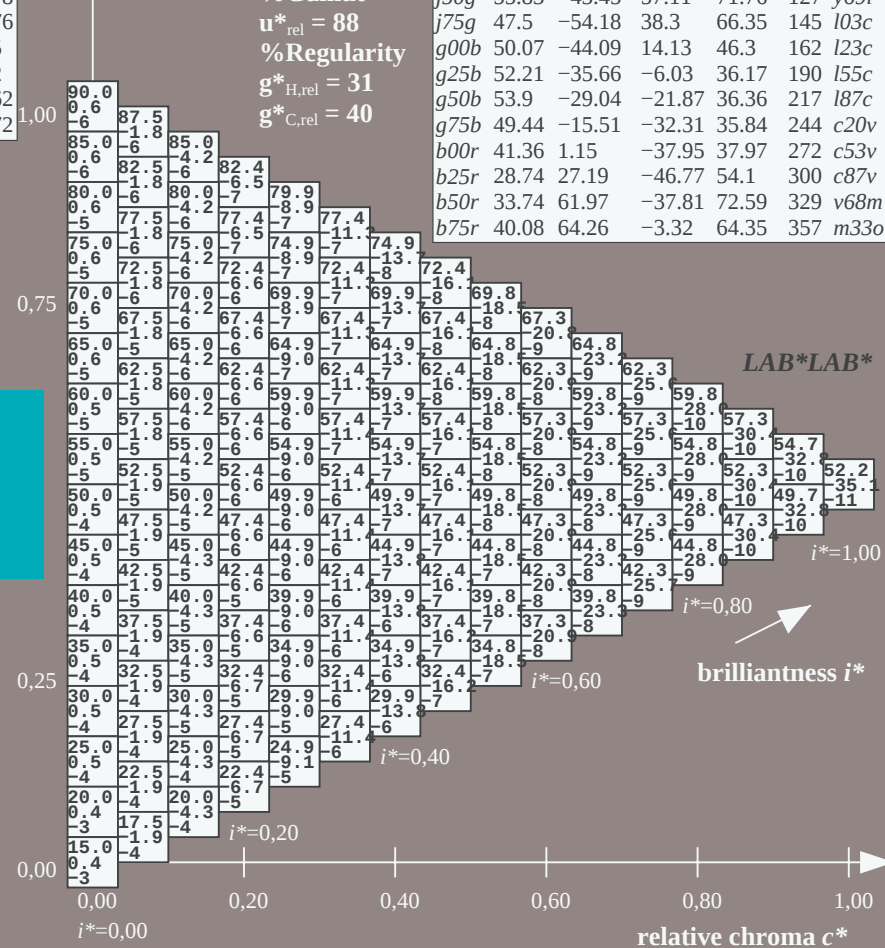
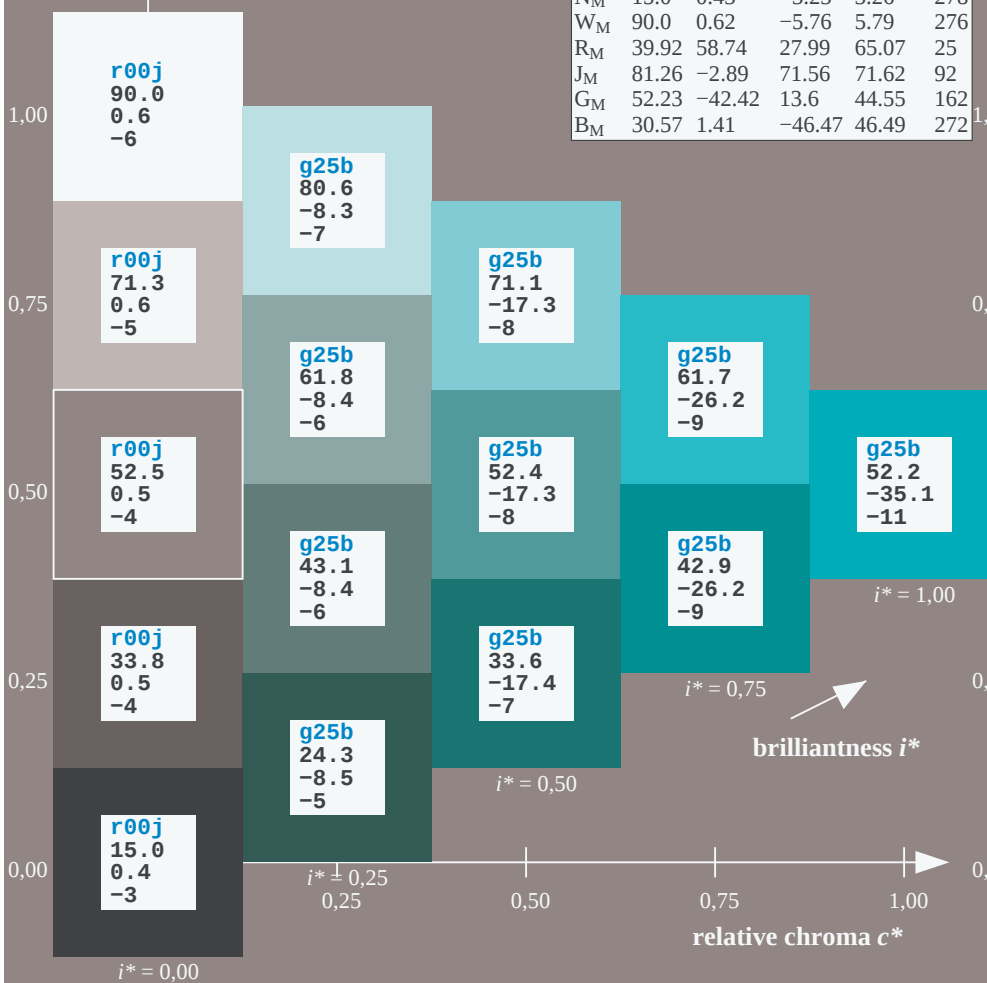
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

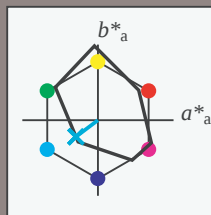
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

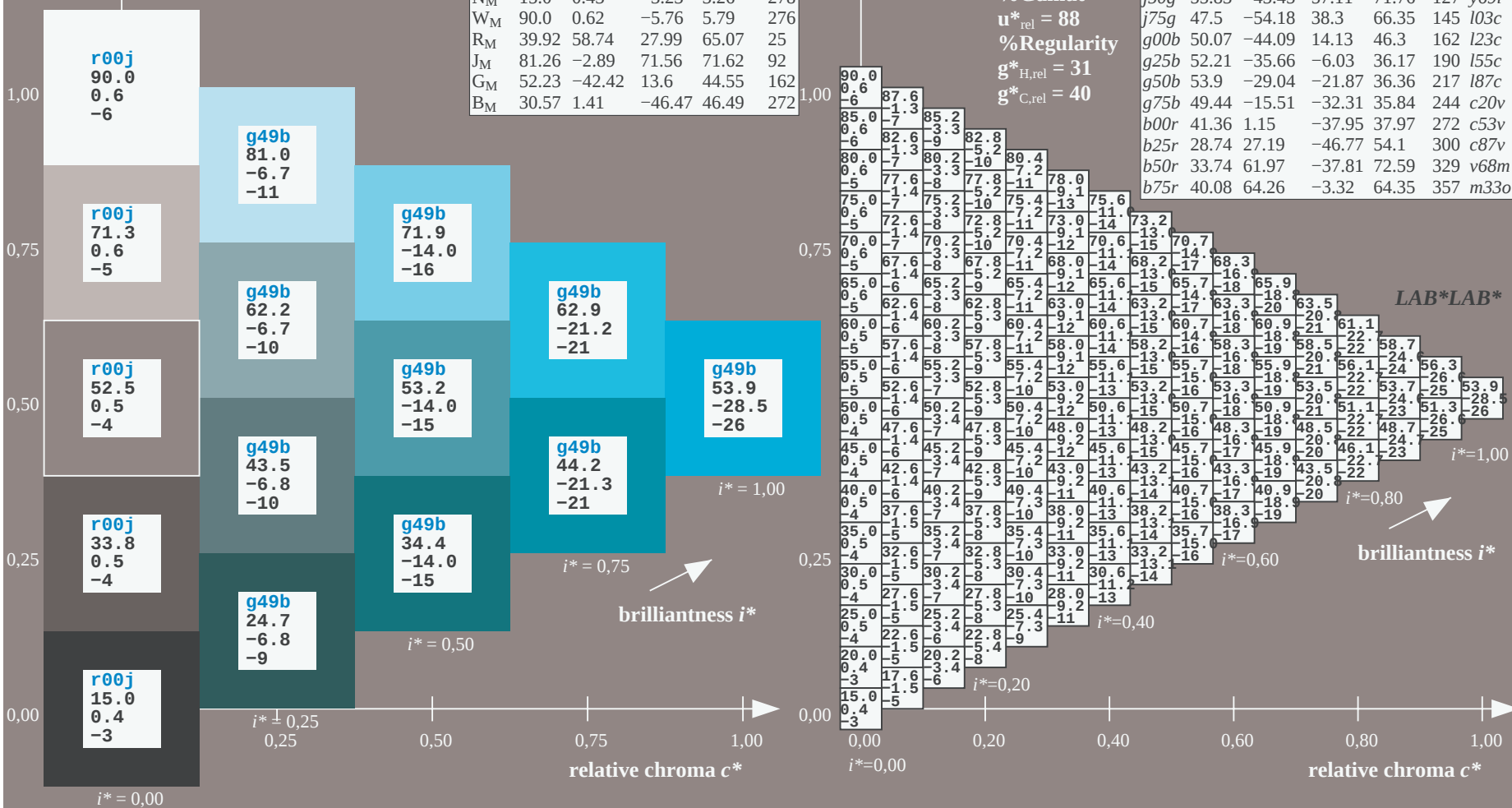
$u^*_{rel} = 88$

%Regularity

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

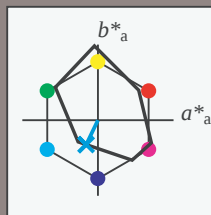
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

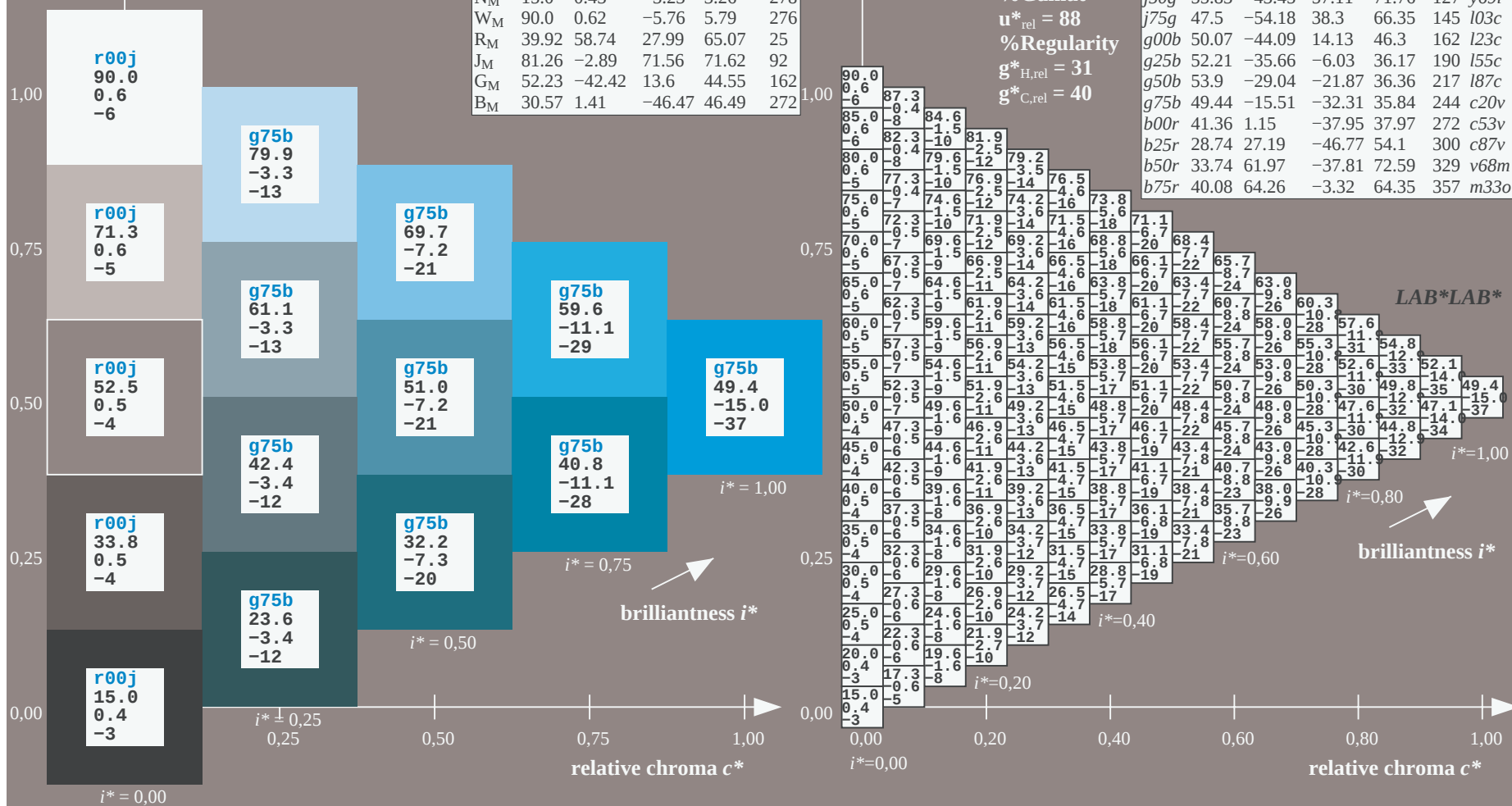
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

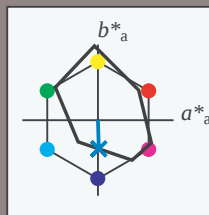
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

%Gamut

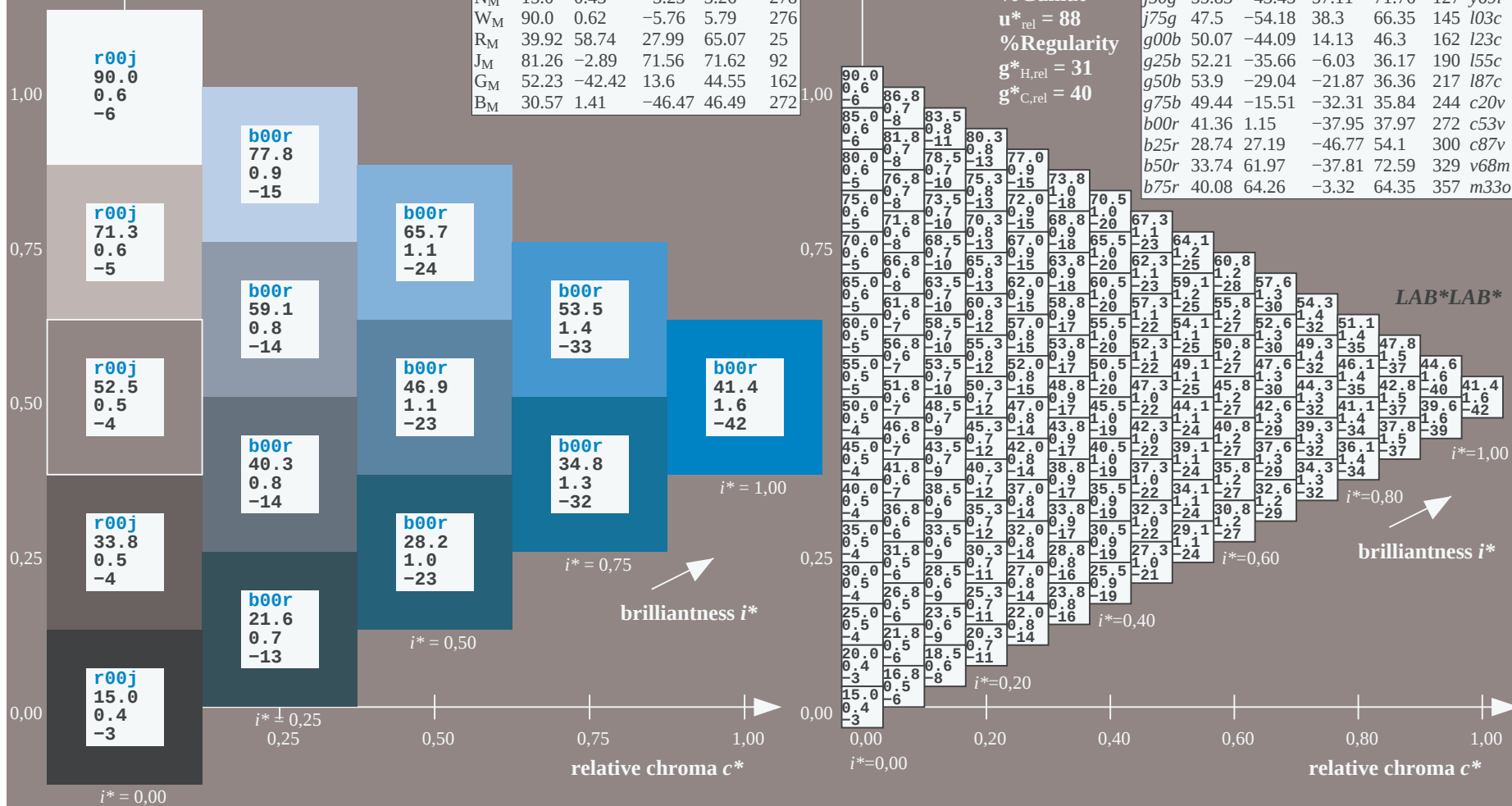
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

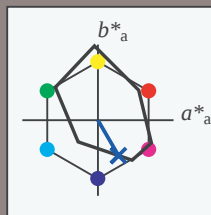
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

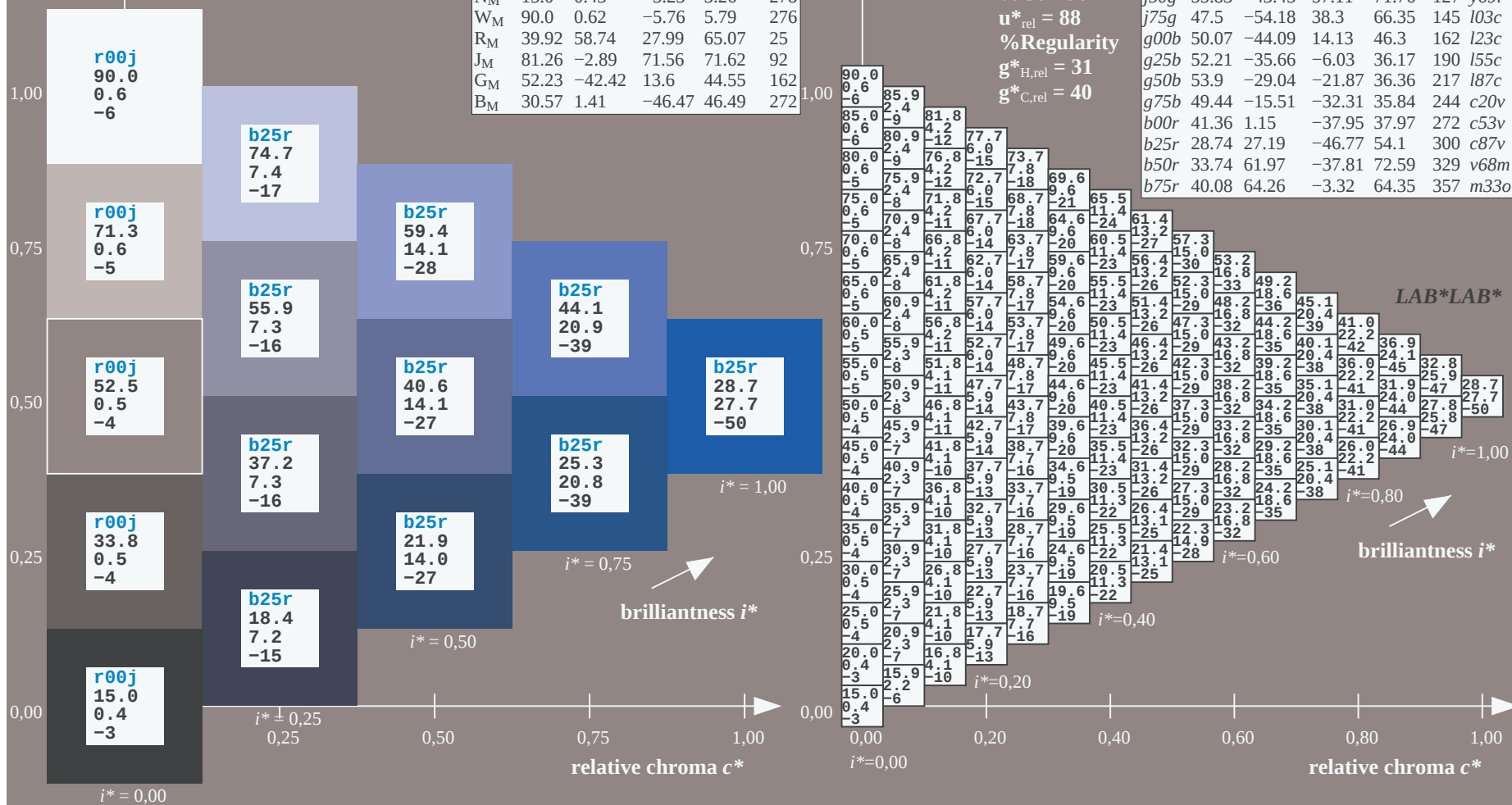
$g^*_{H,rel} = 31$

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	242	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

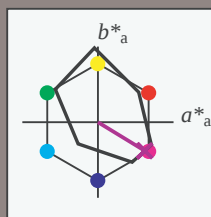
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

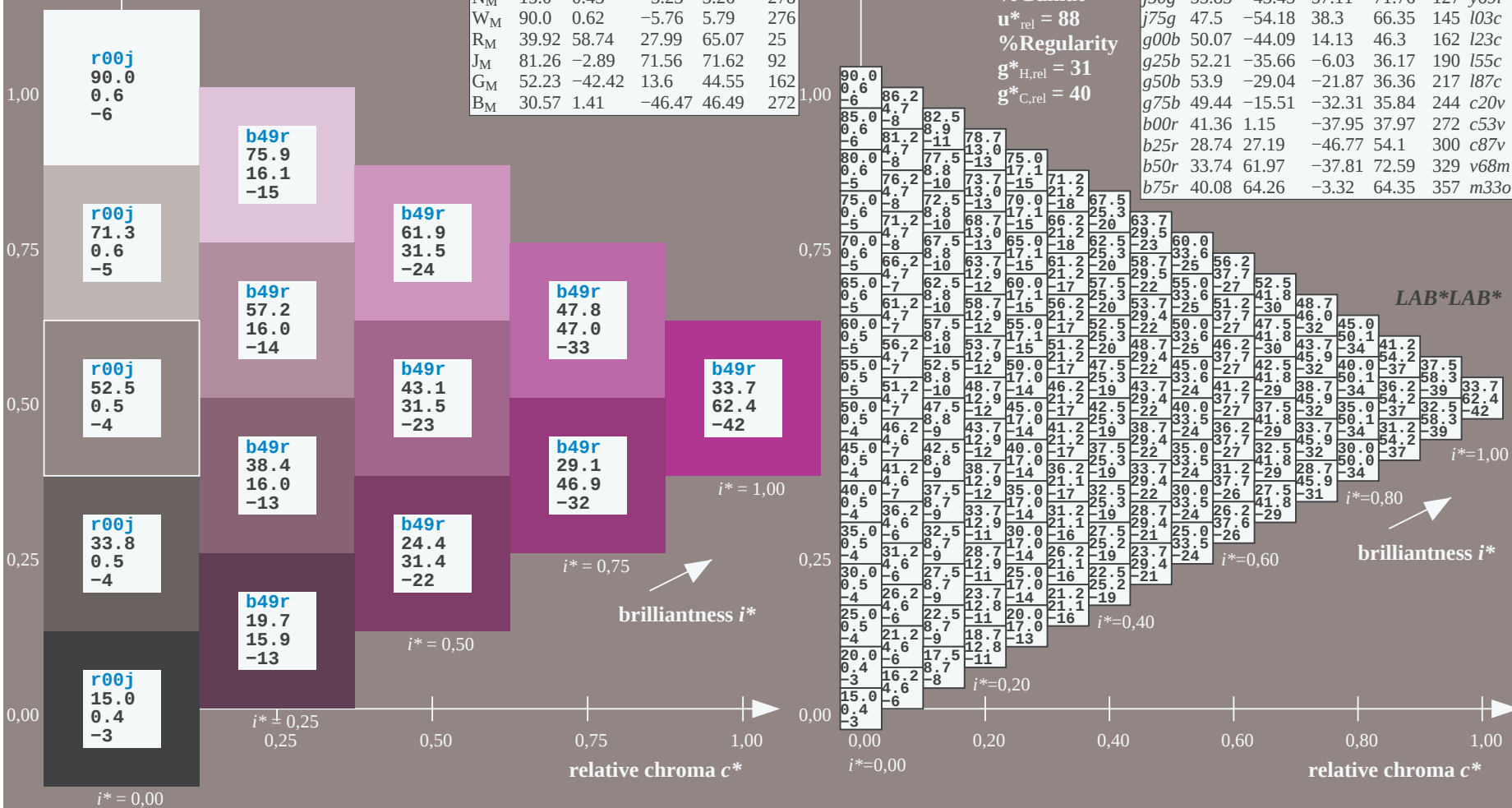
$u^*_{rel} = 88$

%Regularity

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

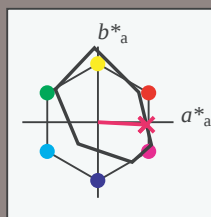
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b75r$ $u^*_d = m33o$
contrast reduction factor:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90M; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

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

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

triangle lightness t^*

%Gamut

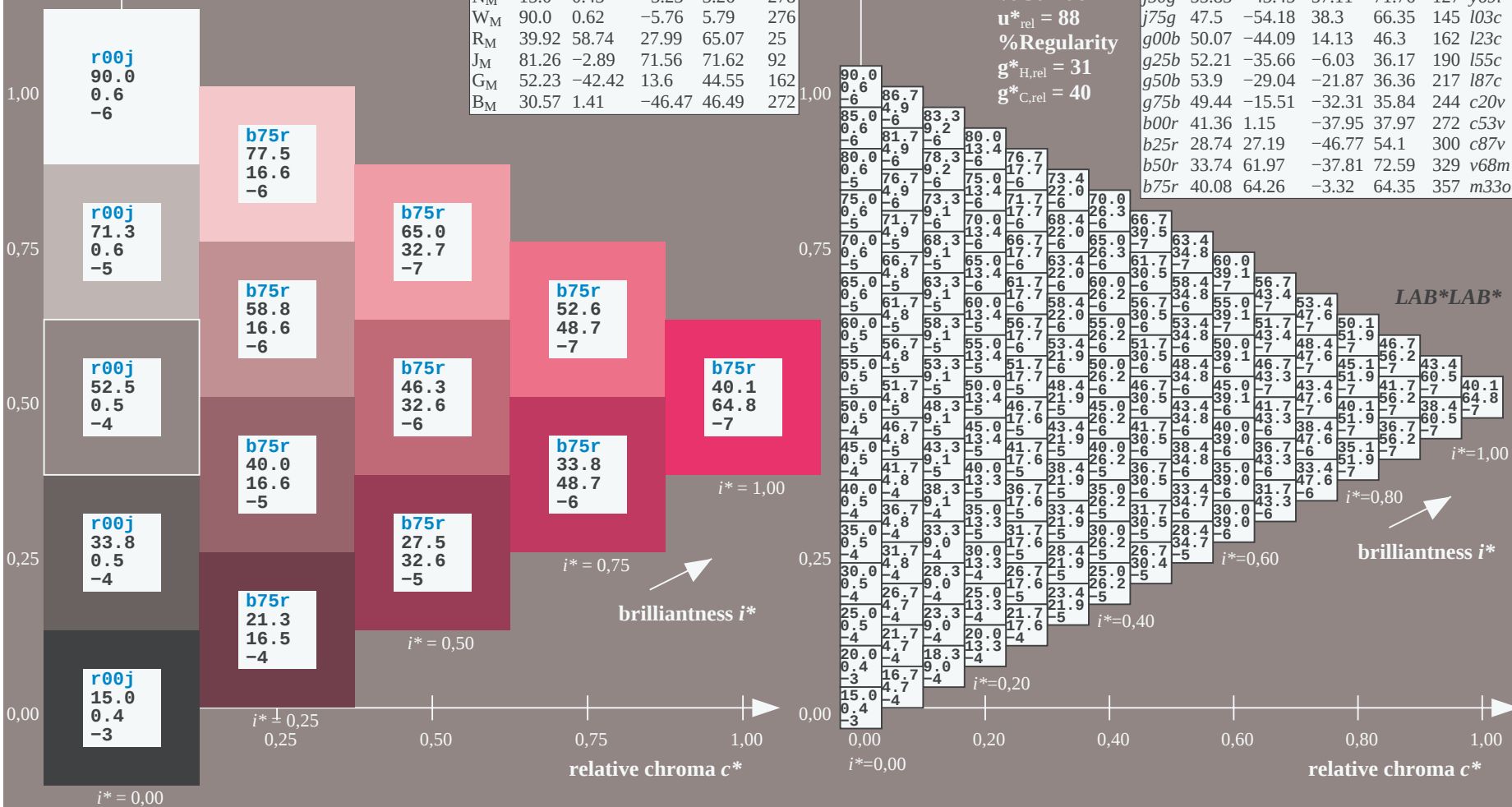
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee33/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/.PDF BAM material: code=rhatha
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
0.4	19.8	23.0	27.0	31.0	35.0	39.0	43.0	47.0	51.0	55.0	59.0	63.0	67.0	71.0	75.0	79.0	83.0	87.0	91.0	95.0	99.0	103.0	107.0	111.0	115.0	119.0	123.0	127.0	131.0	135.0	139.0	143.0	147.0	151.0	155.0	159.0	163.0	167.0	171.0	175.0	179.0	183.0	187.0	191.0	195.0	199.0	203.0	207.0	211.0	215.0	219.0	223.0	227.0	231.0	235.0	239.0	243.0	247.0	251.0	255.0	259.0	263.0	267.0	271.0	275.0	279.0	283.0	287.0	291.0	295.0	299.0	303.0	307.0	311.0	315.0	319.0	323.0	327.0	331.0	335.0	339.0	343.0	347.0	351.0	355.0	359.0	363.0	367.0	371.0	375.0	379.0	383.0	387.0	391.0	395.0	399.0	403.0	407.0	411.0	415.0	419.0	423.0	427.0	431.0	435.0	439.0	443.0	447.0	451.0	455.0	459.0	463.0	467.0	471.0	475.0	479.0	483.0	487.0	491.0	495.0	499.0	503.0	507.0	511.0	515.0	519.0	523.0	527.0	531.0	535.0	539.0	543.0	547.0	551.0	555.0	559.0	563.0	567.0	571.0	575.0	579.0	583.0	587.0	591.0	595.0	599.0	603.0	607.0	611.0	615.0	619.0	623.0	627.0	631.0	635.0	639.0	643.0	647.0	651.0	655.0	659.0	663.0	667.0	671.0	675.0	679.0	683.0	687.0	691.0	695.0	699.0	703.0	707.0	711.0	715.0	719.0	723.0	727.0	731.0	735.0	739.0	743.0	747.0	751.0	755.0	759.0	763.0	767.0	771.0	775.0	779.0	783.0	787.0	791.0	795.0	799.0	803.0	807.0	811.0	815.0	819.0	823.0	827.0	831.0	835.0	839.0	843.0	847.0	851.0	855.0	859.0	863.0	867.0	871.0	875.0	879.0	883.0	887.0	891.0	895.0	899.0	903.0	907.0	911.0	915.0	919.0	923.0	927.0	931.0	935.0	939.0	943.0	947.0	951.0	955.0	959.0	963.0	967.0	971.0	975.0	979.0	983.0	987.0	991.0	995.0	999.0	1003.0	1007.0	1011.0	1015.0	1019.0	1023.0	1027.0	1031.0	1035.0	1039.0	1043.0	1047.0	1051.0	1055.0	1059.0	1063.0	1067.0	1071.0	1075.0	1079.0	1083.0	1087.0	1091.0	1095.0	1099.0	1103.0	1107.0	1111.0	1115.0	1119.0	1123.0	1127.0	1131.0	1135.0	1139.0	1143.0	1147.0	1151.0	1155.0	1159.0	1163.0	1167.0	1171.0	1175.0	1179.0	1183.0	1187.0	1191.0	1195.0	1199.0	1203.0	1207.0	1211.0	1215.0	1219.0	1223.0	1227.0	1231.0	1235.0	1239.0	1243.0	1247.0	1251.0	1255.0	1259.0	1263.0	1267.0	1271.0	1275.0	1279.0	1283.0	1287.0	1291.0	1295.0	1299.0	1303.0	1307.0	1311.0	1315.0	1319.0	1323.0	1327.0	1331.0	1335.0	1339.0	1343.0	1347.0	1351.0	1355.0	1359.0	1363.0	1367.0	1371.0	1375.0	1379.0	1383.0	1387.0	1391.0	1395.0	1399.0	1403.0	1407.0	1411.0	1415.0	1419.0	1423.0	1427.0	1431.0	1435.0	1439.0	1443.0	1447.0	1451.0	1455.0	1459.0	1463.0	1467.0	1471.0	1475.0	1479.0	1483.0	1487.0	1491.0	1495.0	1499.0	1503.0	1507.0	1511.0	1515.0	1519.0	1523.0	1527.0	1531.0	1535.0	1539.0	1543.0	1547.0	1551.0	1555.0	1559.0	1563.0	1567.0	1571.0	1575.0	1579.0	1583.0	1587.0	1591.0	1595.0	1599.0	1603.0	1607.0	1611.0	1615.0	1619.0	1623.0	1627.0	1631.0	1635.0	1639.0	1643.0	1647.0	1651.0	1655.0	1659.0	1663.0	1667.0	1671.0	1675.0	1679.0	1683.0	1687.0	1691.0	1695.0	1699.0	1703.0	1707.0	1711.0	1715.0	1719.0	1723.0	1727.0	1731.0	1735.0	1739.0	1743.0	1747.0	1751.0	1755.0	1759.0	1763.0	1767.0	1771.0	1775.0	1779.0	1783.0	1787.0	1791.0	1795.0	1799.0	1803.0	1807.0	1811.0	1815.0	1819.0	1823.0	1827.0	1831.0	1835.0	1839.0	1843.0	1847.0	1851.0	1855.0	1859.0	1863.0	1867.0	1871.0	1875.0	1879.0	1883.0	1887.0	1891.0	1895.0	1899.0	1903.0	1907.0	1911.0	1915.0	1919.0	1923.0	1927.0	1931.0	1935.0	1939.0	1943.0	1947.0	1951.0	1955.0	1959.0	1963.0	1967.0	1971.0	1975.0	1979.0	1983.0	1987.0	1991.0	1995.0	1999.0	2003.0	2007.0	2011.0	2015.0	2019.0	2023.0	2027.0	2031.0	2035.0	2039.0	2043.0	2047.0	2051.0	2055.0	2059.0	2063.0	2067.0	2071.0	2075.0	2079.0	2083.0	2087.0	2091.0	2095.0	2099.0	2103.0	2107.0	2111.0	2115.0	2119.0	2123.0	2127.0	2131.0	2135.0	2139.0	2143.0	2147.0	2151.0	2155.0	2159.0	2163.0	2167.0	2171.0	2175.0	2179.0	2183.0	2187.0	2191.0	2195.0	2199.0	2203.0	2207.0	2211.0	2215.0	2219.0	2223.0	2227.0	2231.0	2235.0	2239.0	2243.0	2247.0	2251.0	2255.0	2259.0	2263.0	2267.0	2271.0	2275.0	2279.0	2283.0	2287.0	2291.0	2295.0	2299.0	2303.0	2307.0	2311.0	2315.0	2319.0	2323.0	2327.0	2331.0	2335.0	2339.0	2343.0	2347.0	2351.0	2355.0	2359.0	2363.0	2367.0	2371.0	2375.0	2379.0	2383.0	2387.0	2391.0	2395.0	2399.0	2403.0	2407.0	2411.0	2415.0	2419.0	2423.0	2427.0	2431.0	2435.0	2439.0	2443.0	2447.0	2451.0	2455.0	2459.0	2463.0	2467.0	2471.0	2475.0	2479.0	2483.0	2487.0	2491.0	2495.0	2499.0	2503.0	2507.0	2511.0	2515.0	2519.0	2523.0	2527.0	2531.0	2535.0	2539.0	2543.0	2547.0	2551.0	2555.0	2559.0	2563.0	2567.0	2571.0	2575.0	2579.0	2583.0	2587.0	2591.0	2595.0	2599.0	2603.0	2607.0	2611.0	2615.0	2619.0	2623.0	2627.0	2631.0	2635.0	2639.0	2643.0	2647.0	2651.0	2655.0	2659.0	2663.0	2667.0	2671.0	2675.0	2679.0	2683.0	2687.0	2691.0	2695.0	2699.0	2703.0	2707.0	2711.0	2715.0	2719.0	2723.0	2727.0	2731.0	2735.0	2739.0	2743.0	2747.0	2751.0	2755.0	2759.0	2763.0	2767.0	2771.0	2775.0	2779.0	2783.0	2787.0	2791.0	2795.0	2799.0	2803.0	2807.0	2811.0	2815.0	2819.0	2823.0	2827.0	2831.0	2835.0	2839.0	2843.0	2847.0	2851.0	2855.0	2859.0	2863.0	2867.0	2871.0	2875.0	2879.0	2883.0	2887.0	2891.0	2895.0	2899.0	2903.0	2907.0	2911.0	2915.0	2919.0	2923.0	2927.0	2931.0	2935.0	2939.0	2943.0	2947.0	2951.0	2955.0	2959.0	2963.0	2967.0	2971.0	2975.0	2979.0	2983.0	2987.0	2991.0	2995.0	2999.0	3003.0	3007.0	3011.0	3015.0	3019.0	3023.0	3027.0	3031.0	3035.0	3039.0	3043.0	3047.0	3051.0	3055.0	3059.0	3063.0	3067.0	3071.0	3075.0	3079.0	3083.0	3087.0	3091.0	3095.0	3099.0	3103.0	3107.0	3111.0	3115.0	3119.0	3123.0	3127.0	3131.0	3135.0	3139.0	3143.0	3147.0	3151.0	3155.0	3159.0	3163.0	3167.0	3171.0	3175.0	3179.0	3183.0	3187.0	3191.0	3195.0	3199.0	3203.0	3207.0	3211.0	3215.0	3219.0	3223.0	3227.0	3231.0	3235.0	3239.0	3243.0	3247.0	3251.0	3255.0	3259.0	3263.0	3267.0	3271.0	3275.0	3279.0	3283.0	3287.0	3291.0	3295.0	3299.0	3303.0	3307.0	3311.0	3315.0	3319.0	3323.0	3327.0	3331.0	3335.0	3339.0	3343.0	3347.0	3351.0	3355.0	3359.0	3363.0	3367.0	3371.0	3375.0	3379.0	3383.0	3387.0	3391.0	3395.0	3399.0	3403.0	3407.0	3411.0	3415.0	3419.0	3423.0	3427.0	3431.0	3435.0	3439.0	3443.0	3447.0	3451.0	3455.0	3459.0	3463.0	3467.0	3471.0	3475.0	3479.0	3483.0	3487.0	3491.0	3495.0	3499.0	3503.0	3507.0	3511.0	3515.0	3519.0	3523.0	3527.0	3531.0	3535.0	3539.0	3543.0	3547.0	3551.0	3555.0	3559.0	3563.0	3567.0	3571.0	3575.0	3579.0	3583.0	3587.0	3591.0	3595.0	3599.0	3603.0	3607.0	3611.0	3615.0	3619.0	3623.0	3627.0	3631.0	3635.0	3639.0	3643.0	3647.0	3651.0	3655.0	3659.0	3663.0	3667.0	3671.0	3675.0	3679.0	3683.0	3687.0	3691.0	3695.0	3699.0	3703.0	3707.0	3711.0	3715.0	3719.0	3723.0	3727.0

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

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

elementary hue text:

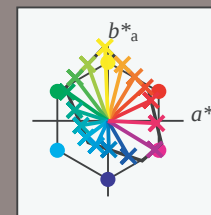
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

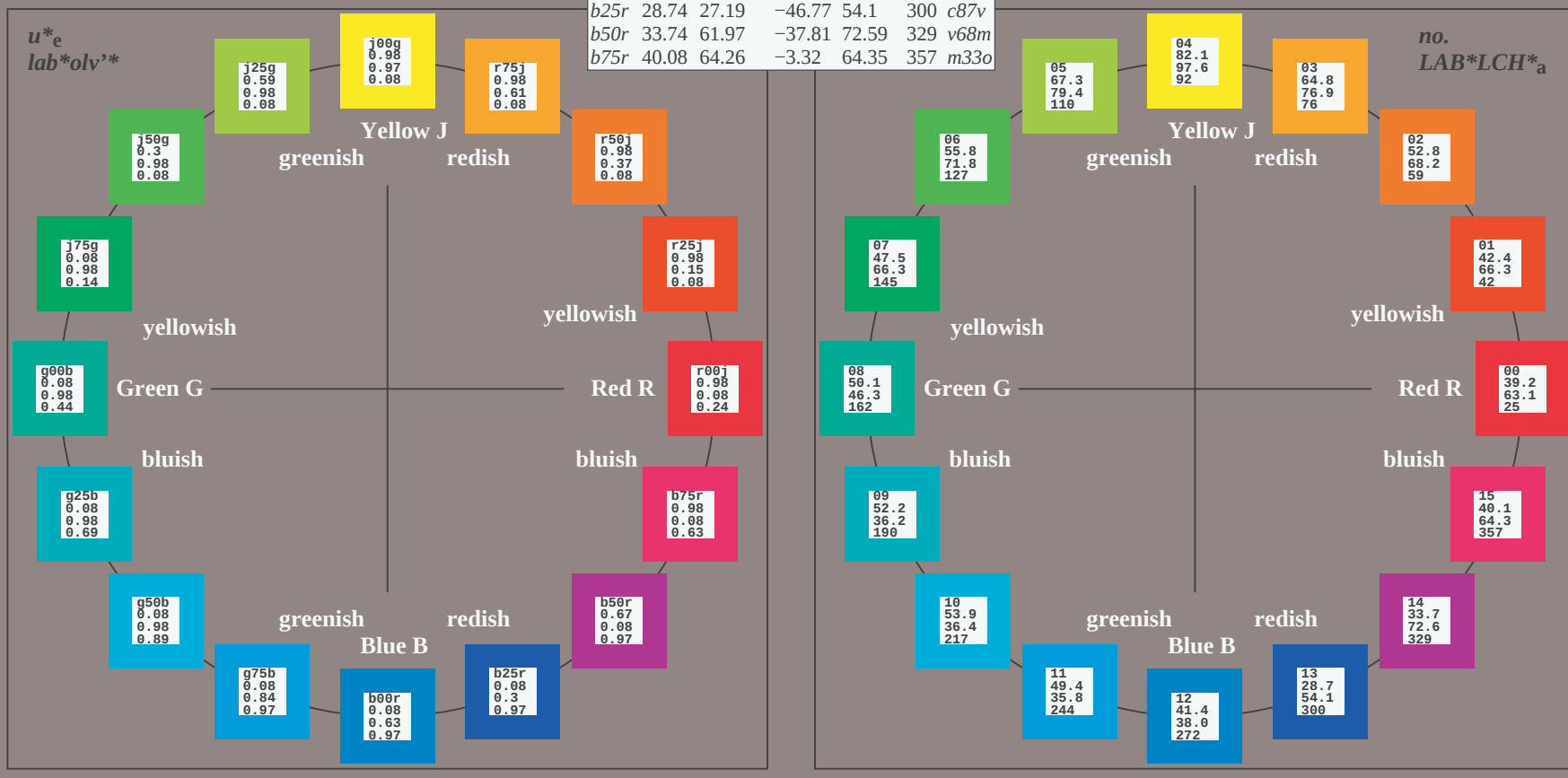
%Regularity

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

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

FRS15_90aM; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	-4.04	92.72	92.8	92
L_M	46.95	-55.83	39.15	68.19	145
C_M	54.62	-25.67	-33.25	42.01	232
V_M	20.01	45.64	-56.27	72.45	309
M_M	40.88	71.17	-34.09	78.92	334
N_M	15.0	0.43	-3.23	3.26	278
W_M	90.0	0.62	-5.76	5.79	276
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

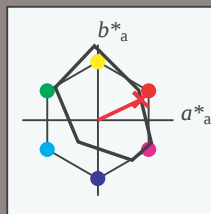
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	-4.04	92.72	92.8	92
L_M	46.95	-55.83	39.15	68.19	145
C_M	54.62	-25.67	-33.25	42.01	232
V_M	20.01	45.64	-56.27	72.45	309
M_M	40.88	71.17	-34.09	78.92	334
N_M	15.0	0.43	-3.23	3.26	278
W_M	90.0	0.62	-5.76	5.79	276
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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

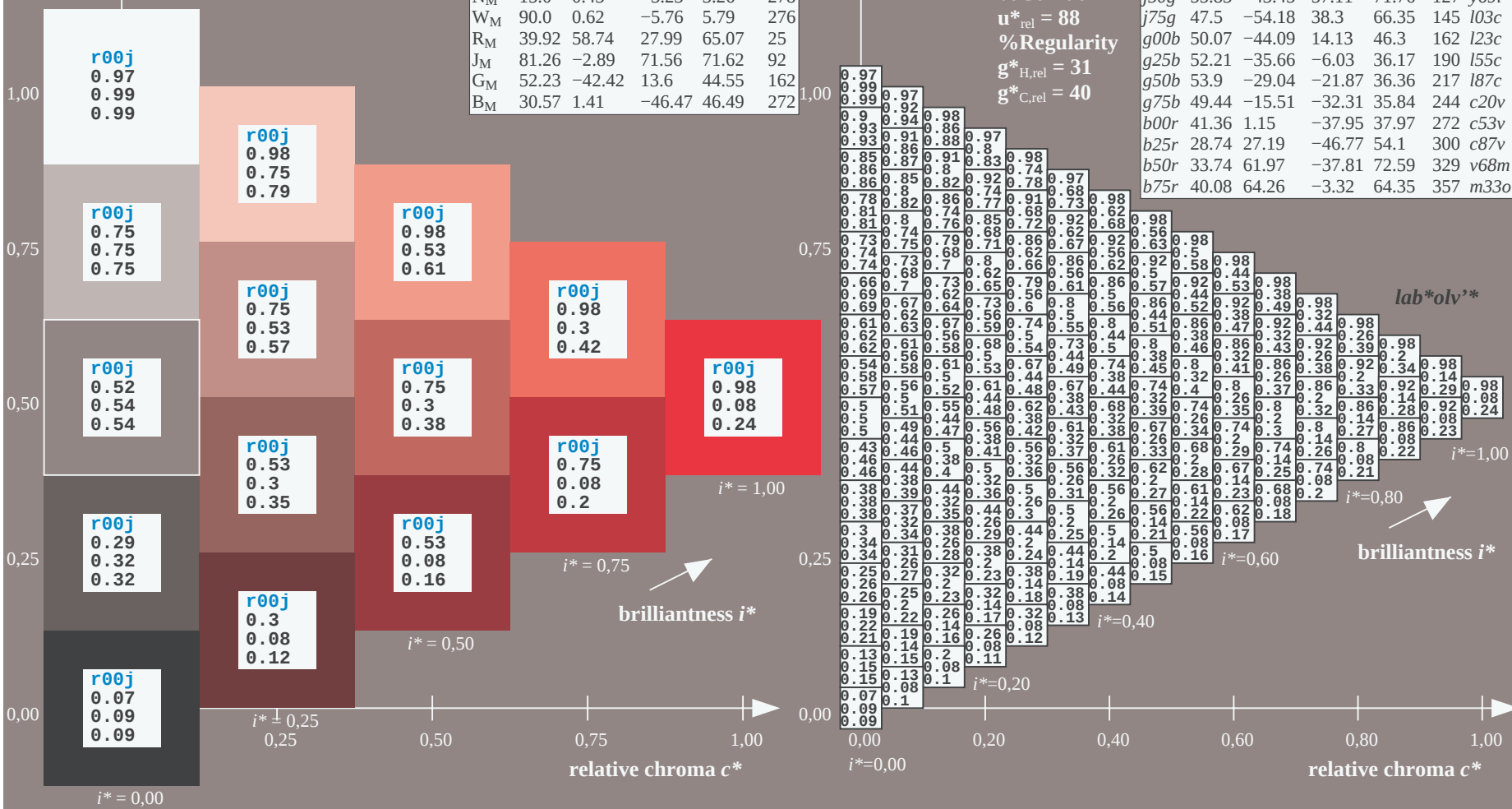
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

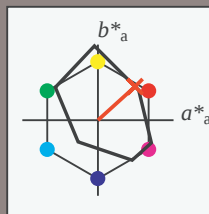
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

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

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

% Gamut

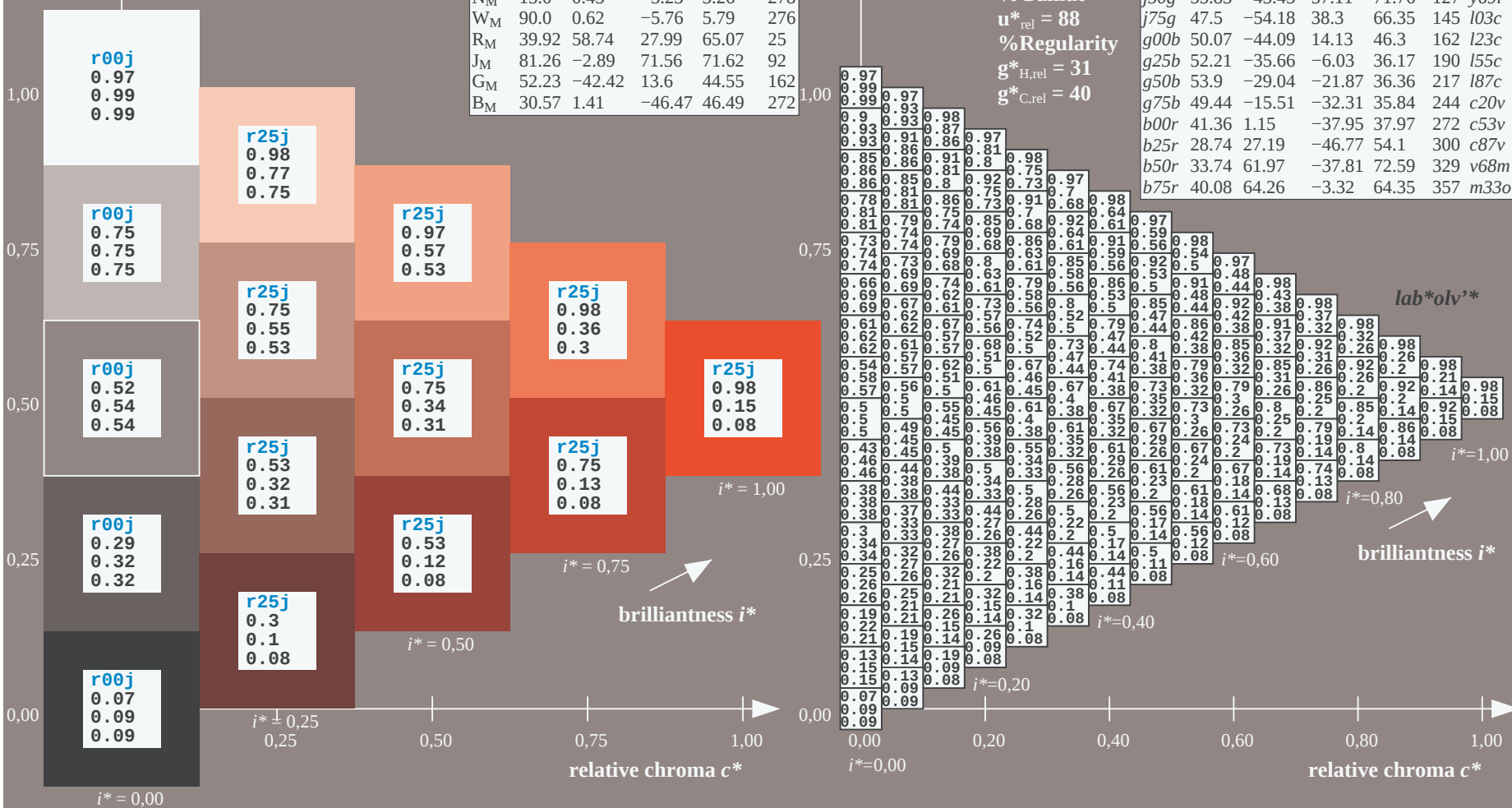
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

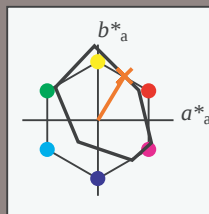
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33	
Y_M	82.58	-4.04	92.72	92.8	92	
L_M	46.95	-55.83	39.15	68.19	145	
C_M	54.62	-25.67	-33.25	42.01	232	
V_M	20.01	45.64	-56.27	72.45	309	
M_M	40.88	71.17	-34.09	78.92	334	
N_M	15.0	0.43	-3.23	3.26	278	
W_M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

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

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

triangle lightness t^*

% Gamut

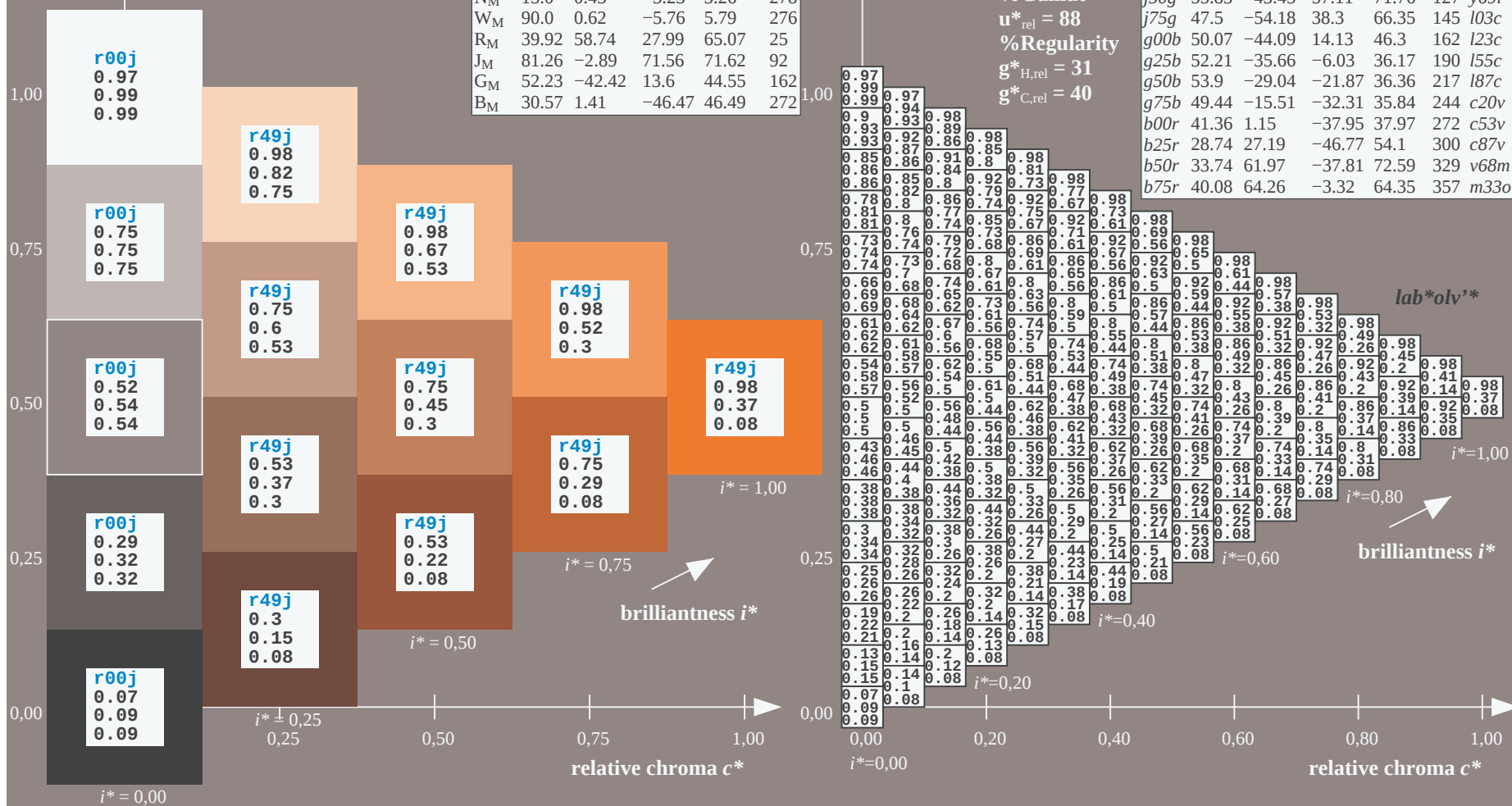
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$	
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$	
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$	
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$	
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$	
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$	
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$	
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$	
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$	
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$	
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$	
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$	
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$	
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$	
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$	
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

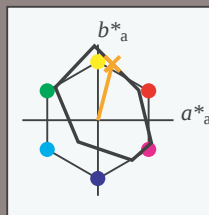
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

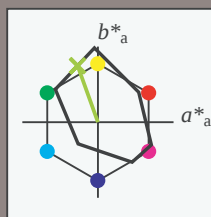
relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; CIELAB data						
	u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

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

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

triangle lightness t^*

% Gamut

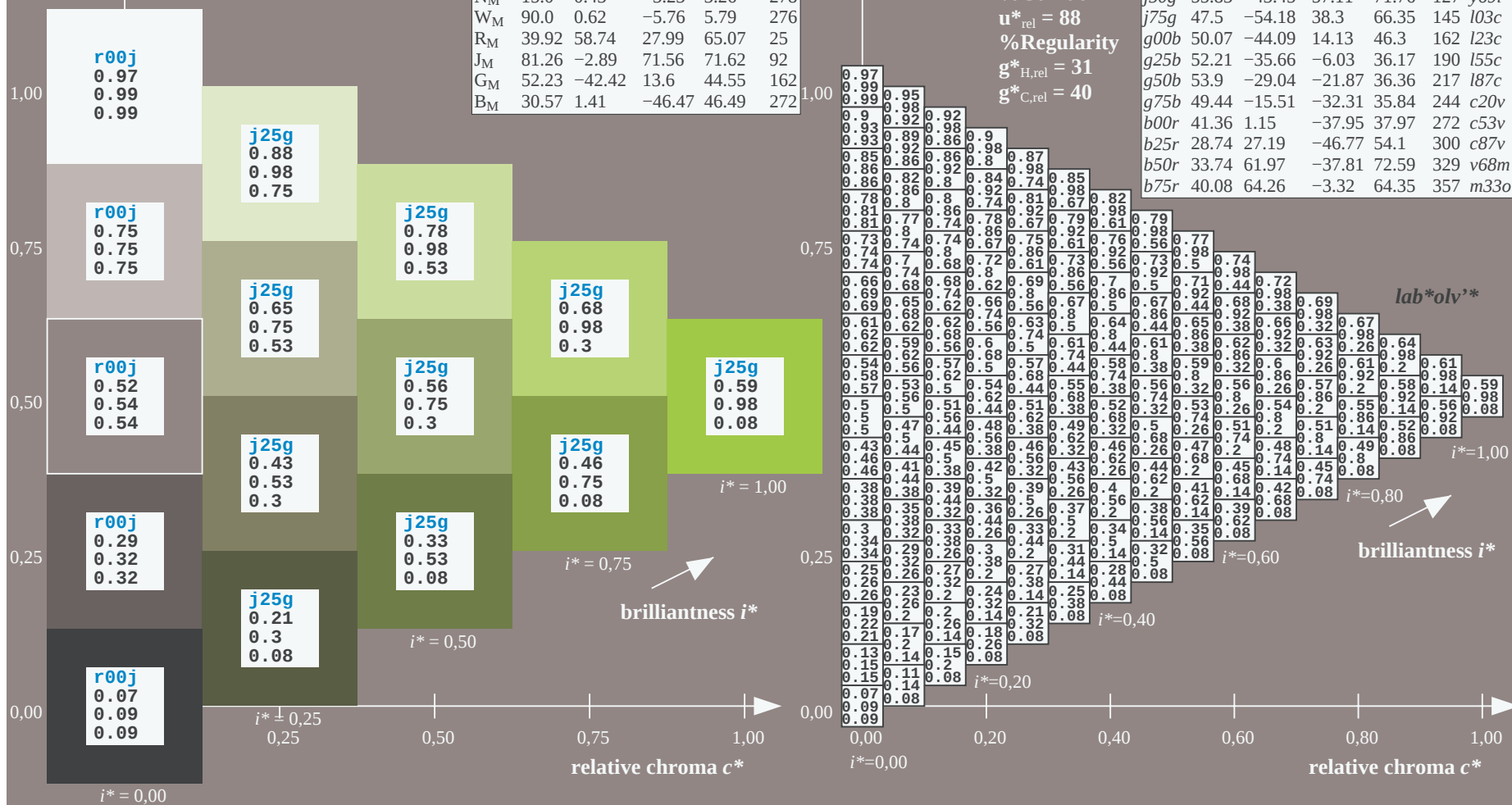
$u^*_{rel} = 88$

% Regularity

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

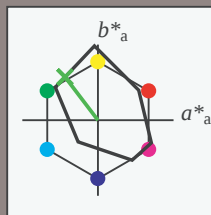
$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
	u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; CIELAB data						
u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

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

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

triangle lightness t^*

% Gamut

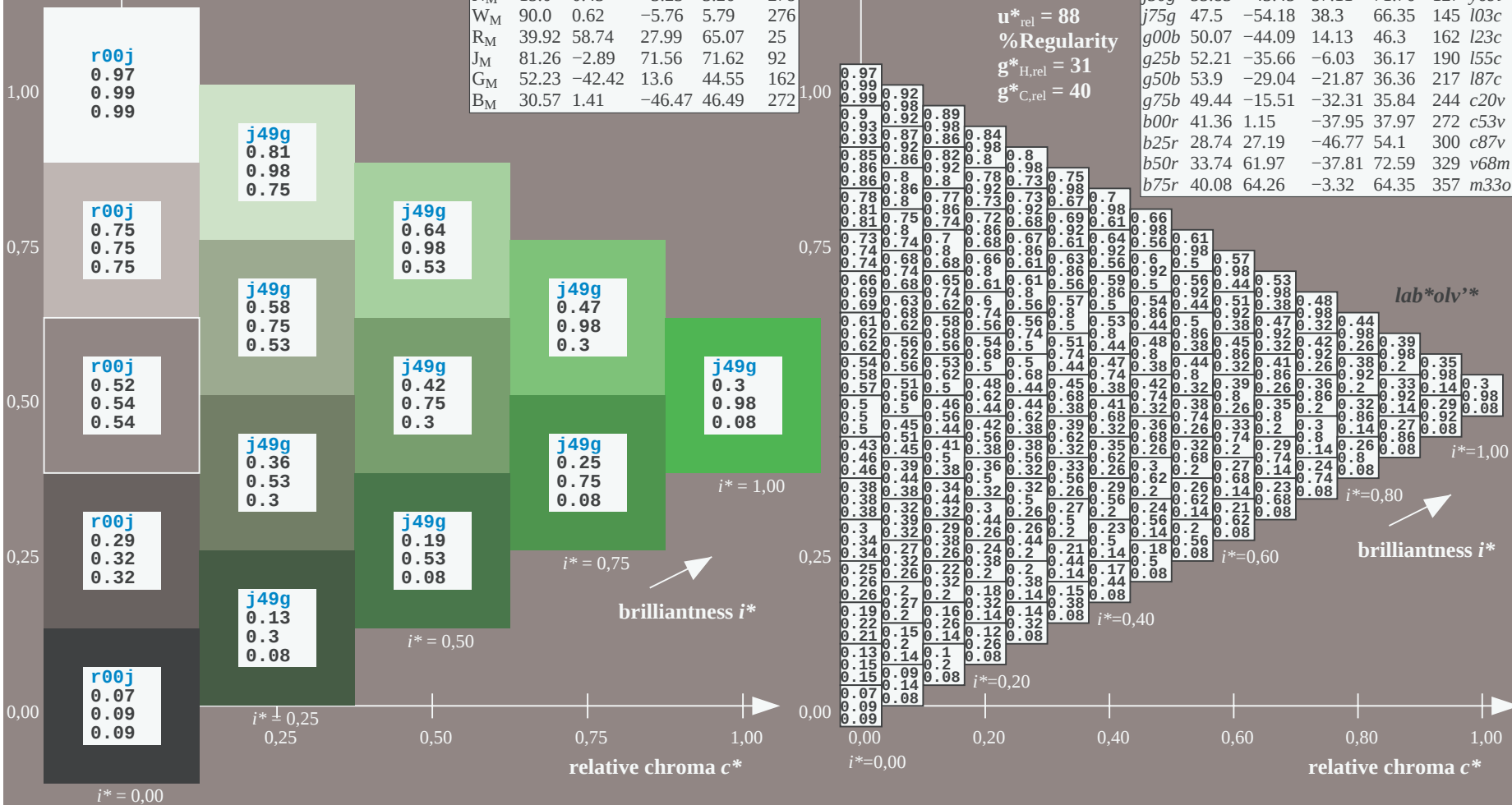
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data									
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	39.18	56.94	27.13	63.07	25	m81o			
r25j	42.41	49.1	44.5	66.26	42	o10y			
r50j	52.78	35.22	58.37	68.17	59	o40y			
r75j	64.82	19.12	74.47	76.89	76	o69y			
j00g	82.06	-3.94	97.52	97.6	92	o98y			
j25g	67.26	-26.87	74.67	79.36	110	y34l			
j50g	55.83	-43.45	57.11	71.76	127	y69l			
j75g	47.5	-54.18	38.3	66.35	145	l03c			
g00b	50.07	-44.09	14.13	46.3	162	l23c			
g25b	52.21	-35.66	-6.03	36.17	190	l55c			
g50b	53.9	-29.04	-21.87	36.36	217	l87c			
g75b	49.44	-15.51	-32.31	35.84	244	c20v			
b00r	41.36	1.15	-37.95	37.97	272	c53v			
b25r	28.74	27.19	-46.77	54.1	300	c87v			
b50r	33.74	61.97	-37.81	72.59	329	v68m			
b75r	40.08	64.26	-3.32	64.35	357	m33o			



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

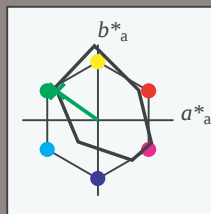
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33	
Y_M	82.58	-4.04	92.72	92.8	92	
L_M	46.95	-55.83	39.15	68.19	145	
C_M	54.62	-25.67	-33.25	42.01	232	
V_M	20.01	45.64	-56.27	72.45	309	
M_M	40.88	71.17	-34.09	78.92	334	
N_M	15.0	0.43	-3.23	3.26	278	
W_M	90.0	0.62	-5.76	5.79	276	
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 -54 38

$LAB^*LCH^*_{Ma}$: 48 66 144

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

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

triangle lightness t^*

% Gamut

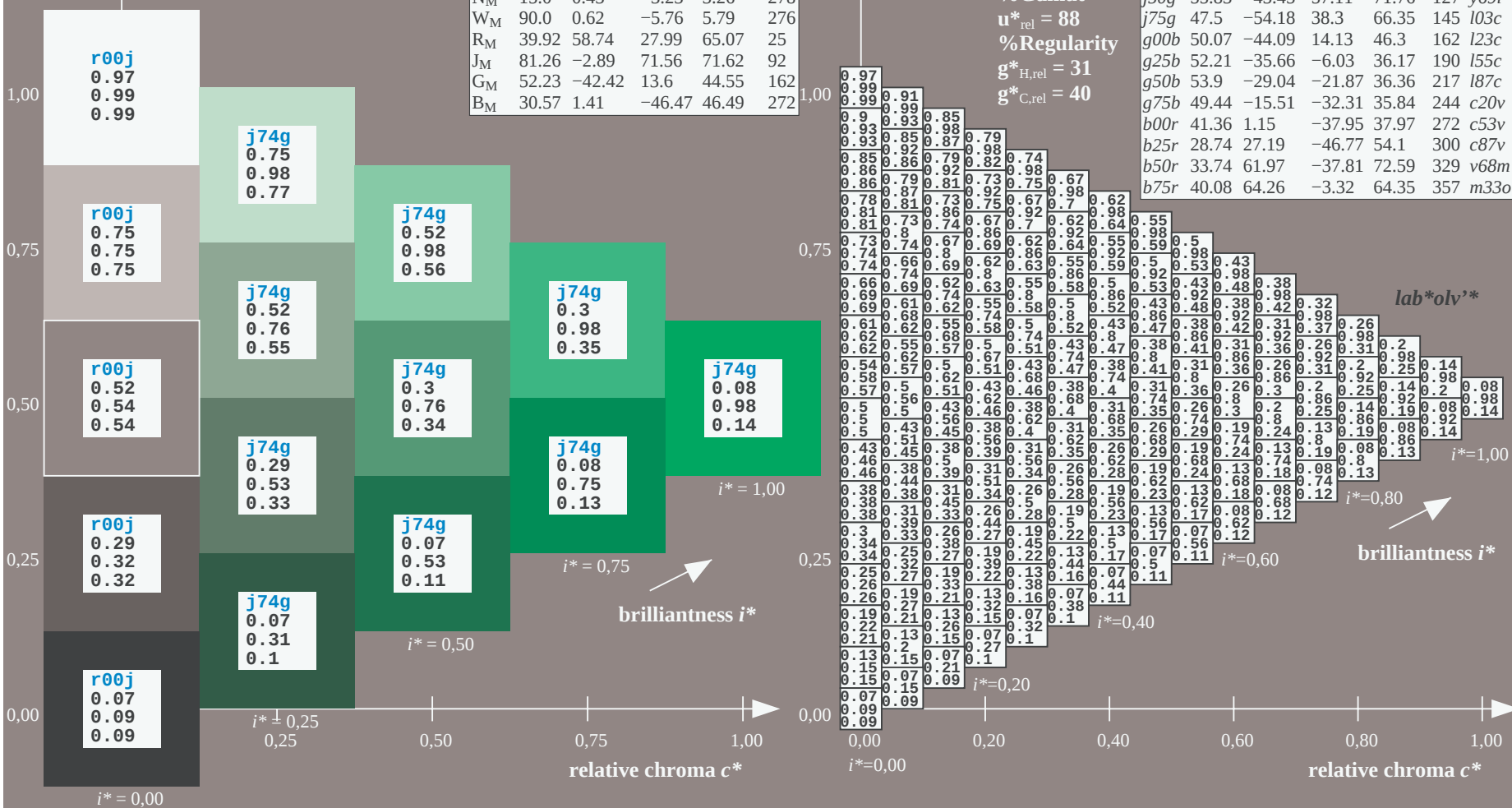
$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	u^*_i	
$r00j$	39.18	56.94	27.13	63.07	25		$m81o$		
$r25j$	42.41	49.1	44.5	66.26	42		$o10y$		
$r50j$	52.78	35.22	58.37	68.17	59		$o40y$		
$r75j$	64.82	19.12	74.47	76.89	76		$o69y$		
$j00g$	82.06	-3.94	97.52	97.6	92		$o98y$		
$j25g$	67.26	-26.87	74.67	79.36	110		$y34l$		
$j50g$	55.83	-43.45	57.11	71.76	127		$y69l$		
$j75g$	47.5	-54.18	38.3	66.35	145		$i03c$		
$g00b$	50.07	-44.09	14.13	46.3	162		$i23c$		
$g25b$	52.21	-35.66	-6.03	36.17	190		$i55c$		
$g50b$	53.9	-29.04	-21.87	36.36	217		$i87c$		
$g75b$	49.44	-15.51	-32.31	35.84	244		$c20v$		
$b00r$	41.36	1.15	-37.95	37.97	272		$c53v$		
$b25r$	28.74	27.19	-46.77	54.1	300		$c87v$		
$b50r$	33.74	61.97	-37.81	72.59	329		$v68m$		
$b75r$	40.08	64.26	-3.32	64.35	357		$m33o$		



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

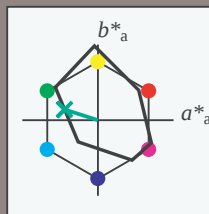
Hue texts:

$u_e^* = g00b$ $u_d^* = l23c$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

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

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

triangle lightness t^*

%Gamut

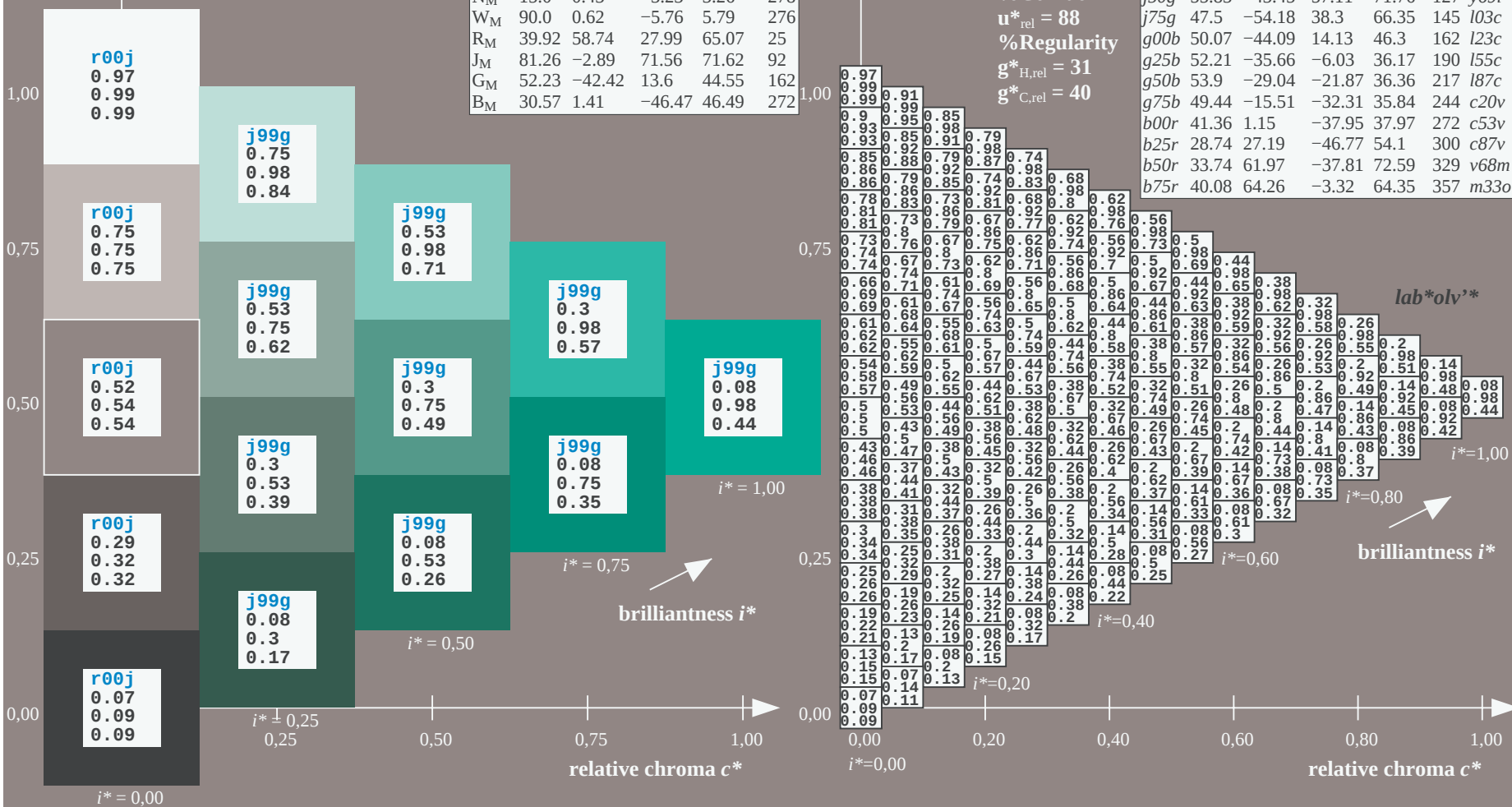
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data									
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_{d}			
r00j	39.18	56.94	27.13	63.07	25	m81o			
r25j	42.41	49.1	44.5	66.26	42	o10y			
r50j	52.78	35.22	58.37	68.17	59	o40y			
r75j	64.82	19.12	74.47	76.89	76	o69y			
j00g	82.06	-3.94	97.52	97.6	92	o98y			
j25g	67.26	-26.87	74.67	79.36	110	y34l			
j50g	55.83	-43.45	57.11	71.76	127	y69l			
j75g	47.5	-54.18	38.3	66.35	145	l03c			
g00b	50.07	-44.09	14.13	46.3	162	l23c			
g25b	52.21	-35.66	-6.03	36.17	190	l55c			
g50b	53.9	-29.04	-21.87	36.36	217	l87c			
g75b	49.44	-15.51	-32.31	35.84	244	c20v			
b00r	41.36	1.15	-37.95	37.97	272	c53v			
b25r	28.74	27.19	-46.77	54.1	300	c87v			
b50r	33.74	61.97	-37.81	72.59	329	v68m			
b75r	40.08	64.26	-3.32	64.35	357	m33o			



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

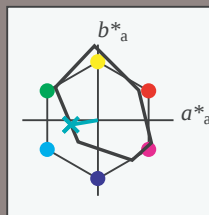
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

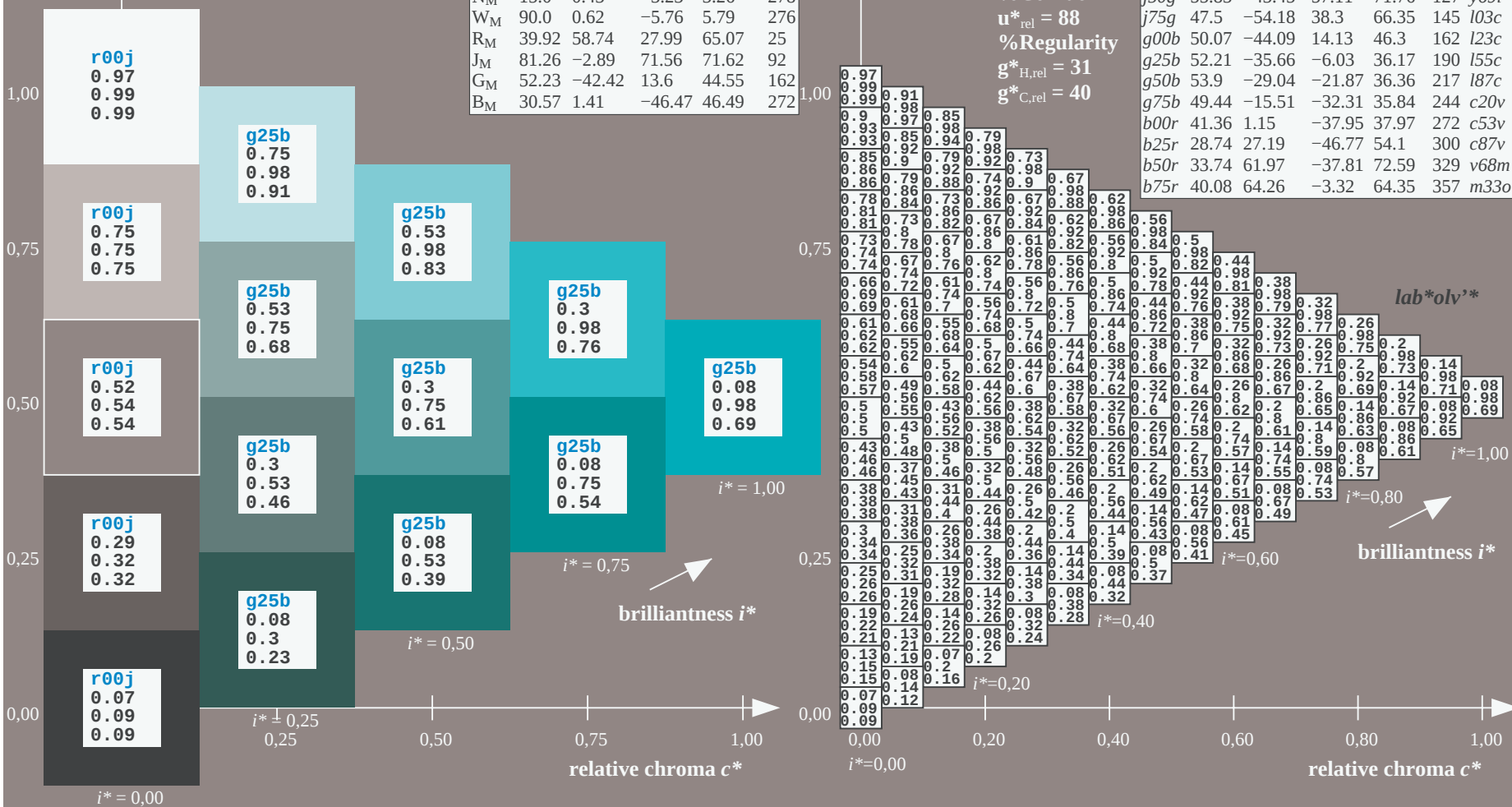
%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

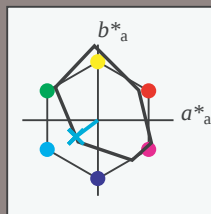
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33	
Y_M	82.58	-4.04	92.72	92.8	92	
L_M	46.95	-55.83	39.15	68.19	145	
C_M	54.62	-25.67	-33.25	42.01	232	
V_M	20.01	45.64	-56.27	72.45	309	
M_M	40.88	71.17	-34.09	78.92	334	
N_M	15.0	0.43	-3.23	3.26	278	
W_M	90.0	0.62	-5.76	5.79	276	
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 -29 -22

$LAB^*LCH^*_{Ma}$: 54 36 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.88

triangle lightness t^*

%Gamut

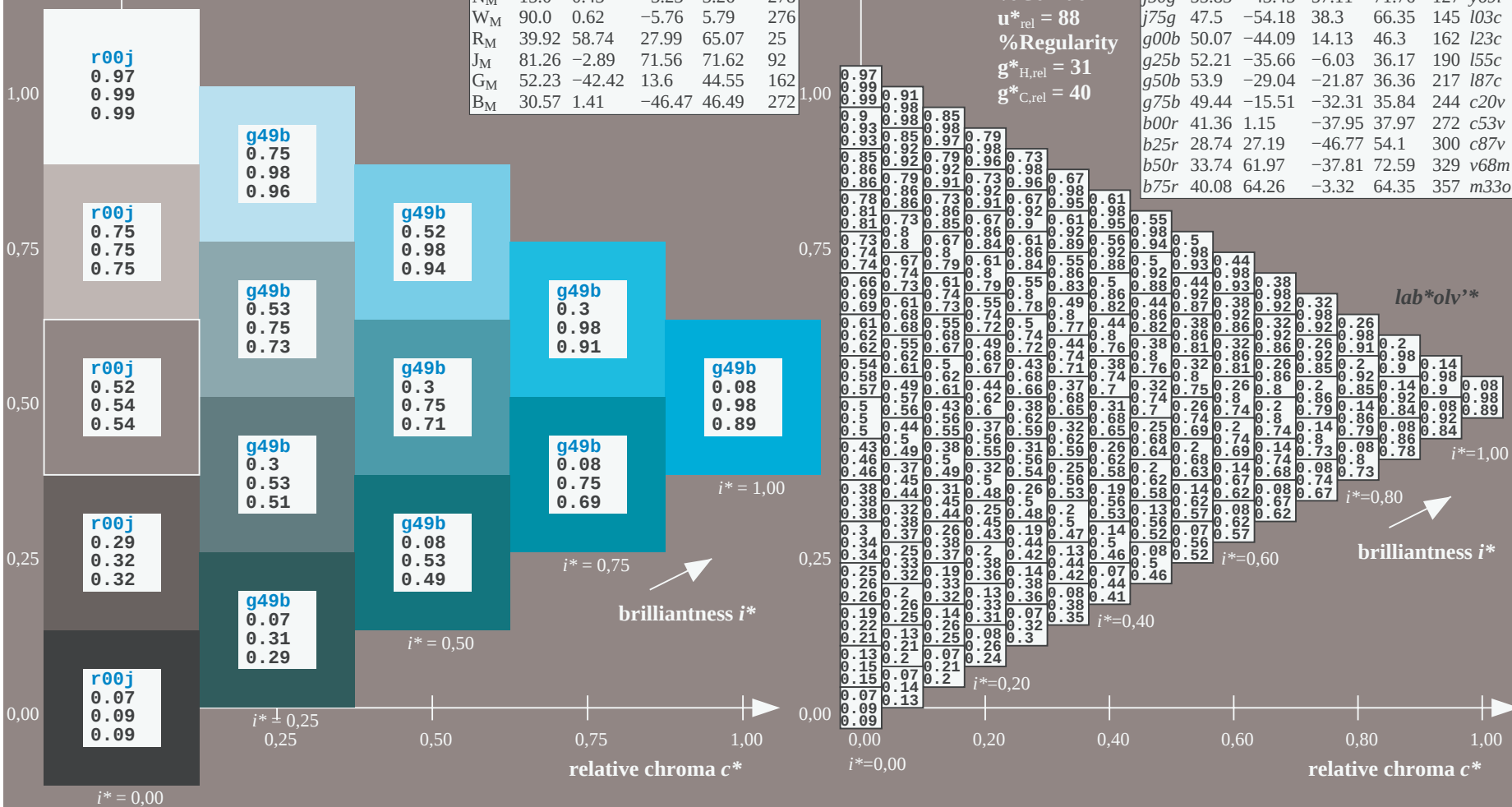
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data									
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d		
$r00j$	39.18	56.94	27.13	63.07	25		$m81o$		
$r25j$	42.41	49.1	44.5	66.26	42		$o10y$		
$r50j$	52.78	35.22	58.37	68.17	59		$o40y$		
$r75j$	64.82	19.12	74.47	76.89	76		$o69y$		
$j00g$	82.06	-3.94	97.52	97.6	92		$o98y$		
$j25g$	67.26	-26.87	74.67	79.36	110		$y34l$		
$j50g$	55.83	-43.45	57.11	71.76	127		$y69l$		
$j75g$	47.5	-54.18	38.3	66.35	145		$l03c$		
$g00b$	50.07	-44.09	14.13	46.3	162		$l23c$		
$g25b$	52.21	-35.66	-6.03	36.17	190		$l55c$		
$g50b$	53.9	-29.04	-21.87	36.36	217		$l87c$		
$g75b$	49.44	-15.51	-32.31	35.84	244		$c20v$		
$b00r$	41.36	1.15	-37.95	37.97	272		$c53v$		
$b25r$	28.74	27.19	-46.77	54.1	300		$c87v$		
$b50r$	33.74	61.97	-37.81	72.59	329		$v68m$		
$b75r$	40.08	64.26	-3.32	64.35	357		$m33o$		



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

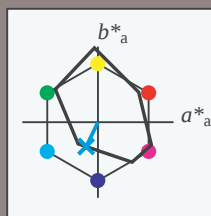
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

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

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

triangle lightness t^*

%Gamut

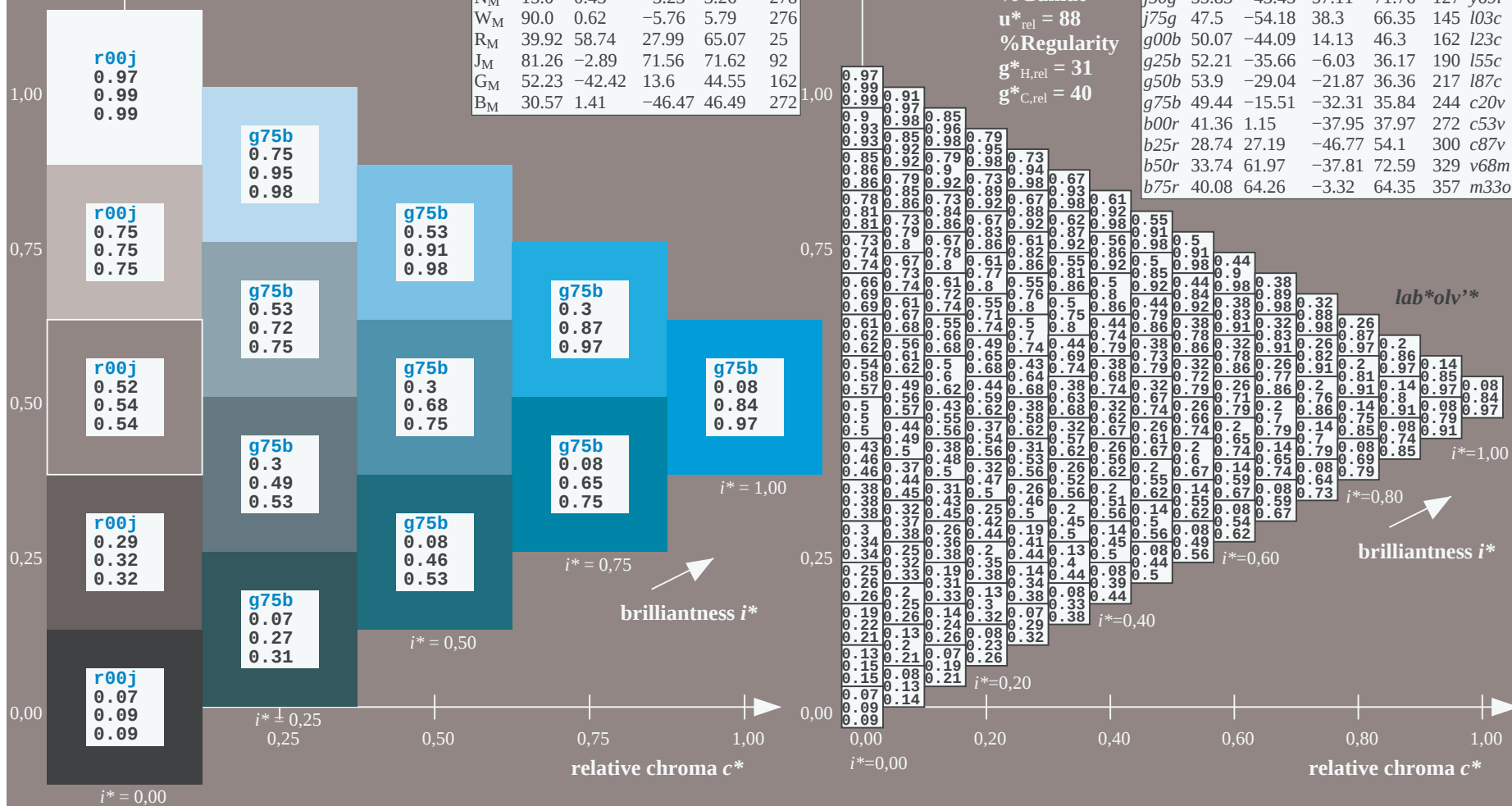
$u^*_{rel} = 88$

%Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	39.18	56.94	27.13	63.07	25	m81o			
r25j	42.41	49.1	44.5	66.26	42	o10y			
r50j	52.78	35.22	58.37	68.17	59	o40y			
r75j	64.82	19.12	74.47	76.89	76	o69y			
j00g	82.06	-3.94	97.52	97.6	92	o98y			
j25g	67.26	-26.87	74.67	79.36	110	y34l			
j50g	55.83	-43.45	57.11	71.76	127	y69l			
j75g	47.5	-54.18	38.3	66.35	145	l03c			
g00b	50.07	-44.09	14.13	46.3	162	l23c			
g25b	52.21	-35.66	-6.03	36.17	190	l55c			
g50b	53.9	-29.04	-21.87	36.36	217	l87c			
g75b	49.44	-15.51	-32.31	35.84	244	c20v			
b00r	41.36	1.15	-37.95	37.97	272	c53v			
b25r	28.74	27.19	-46.77	54.1	300	c87v			
b50r	33.74	61.97	-37.81	72.59	329	v68m			
b75r	40.08	64.26	-3.32	64.35	357	m33o			



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

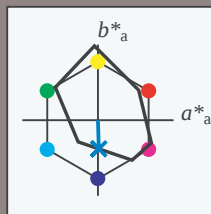
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

	u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33	
Y_M	82.58	-4.04	92.72	92.8	92	
L_M	46.95	-55.83	39.15	68.19	145	
C_M	54.62	-25.67	-33.25	42.01	232	
V_M	20.01	45.64	-56.27	72.45	309	
M_M	40.88	71.17	-34.09	78.92	334	
N_M	15.0	0.43	-3.23	3.26	278	
W_M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

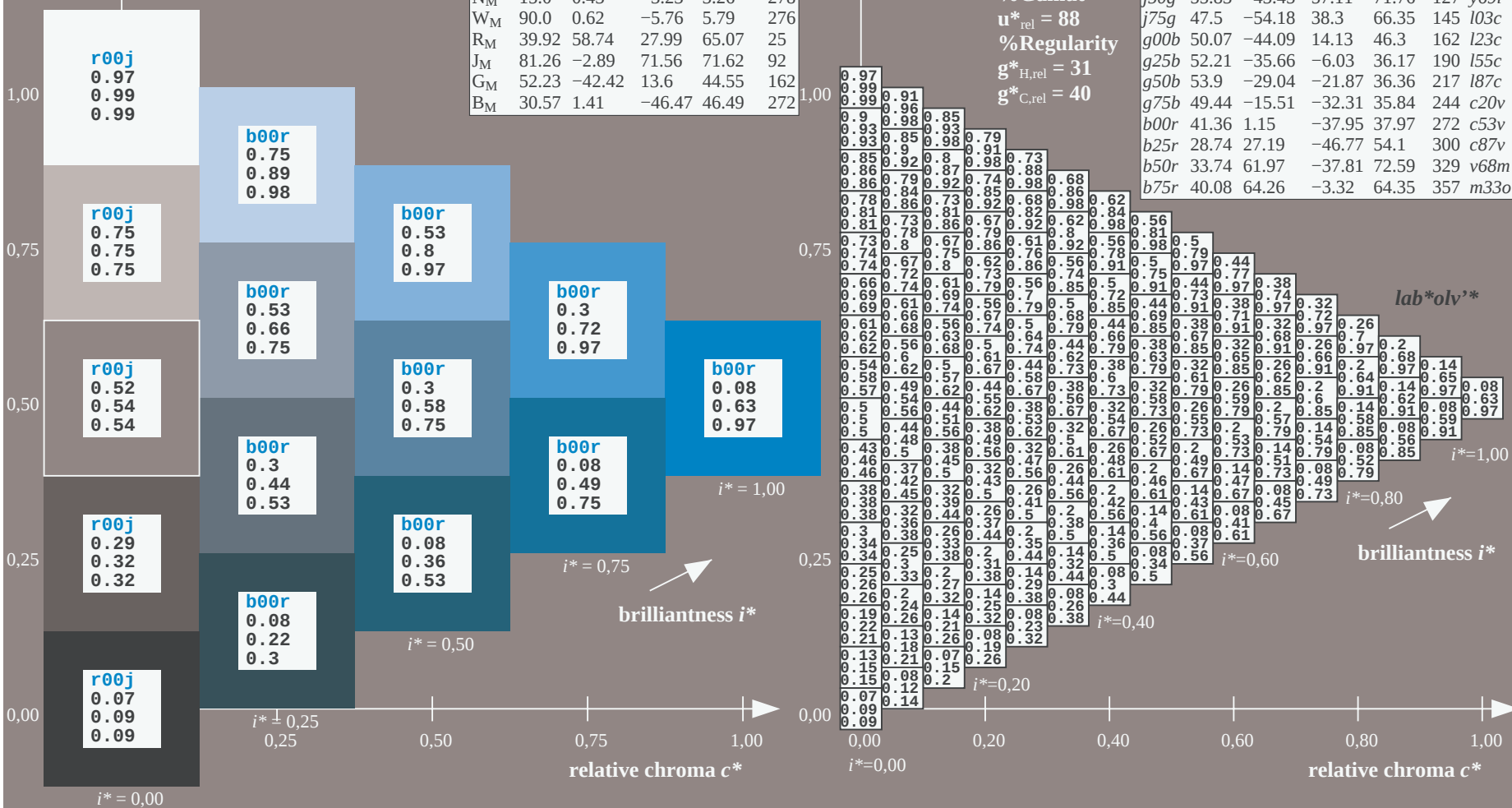
% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$	
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$	
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$	
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$	
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$	
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$	
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$	
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$	
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$	
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$	
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$	
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$	
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$	
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$	
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$	
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

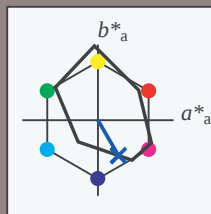
Hue texts:

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

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

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

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

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

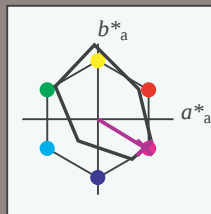
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM 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:
 $c_R = 0.9$
triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

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

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

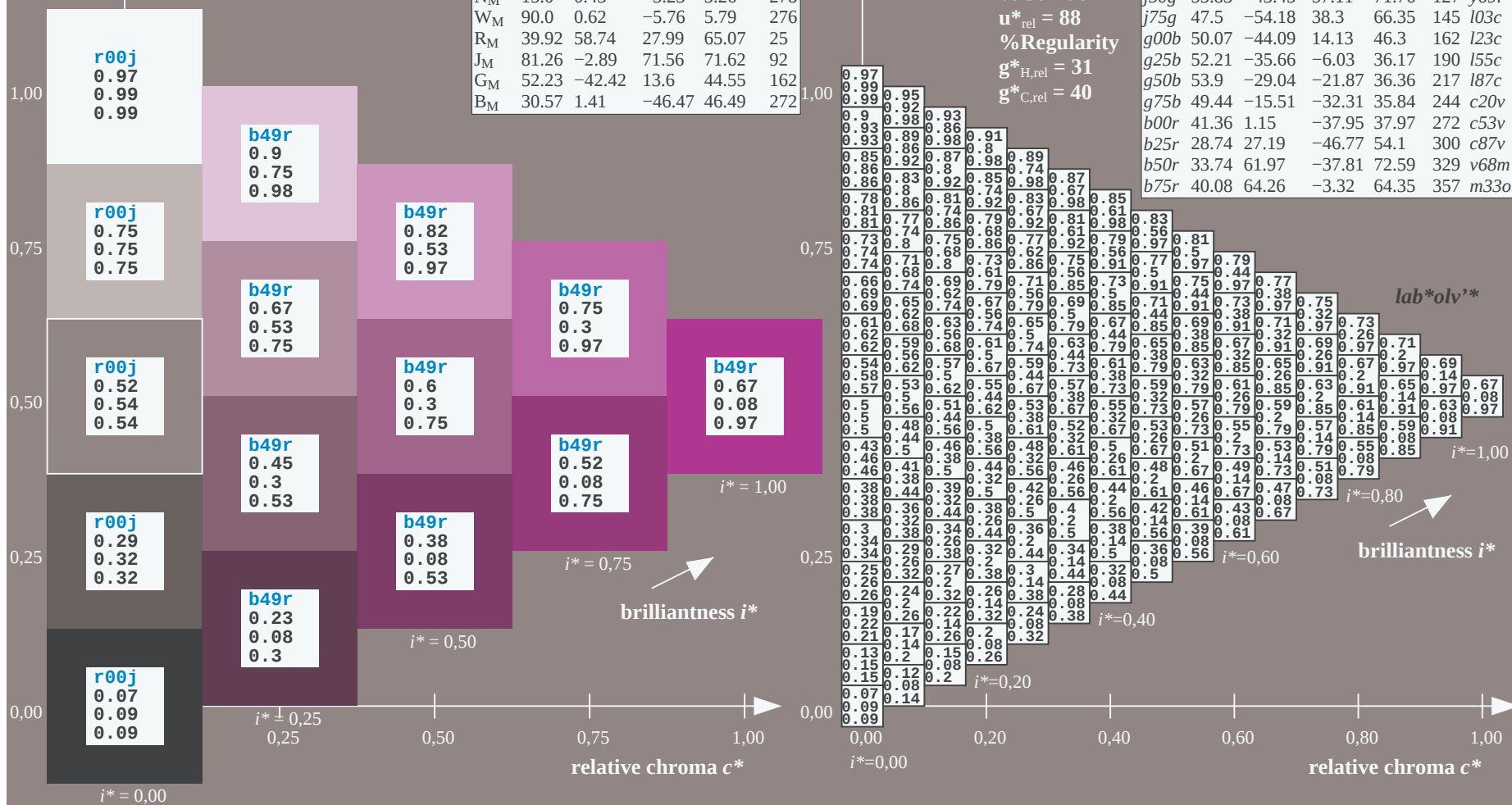
$u^*_{rel} = 88$

% Regularity

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

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	39.18	56.94	27.13	63.07	25	m81o			
r25j	42.41	49.1	44.5	66.26	42	o10y			
r50j	52.78	35.22	58.37	68.17	59	o40y			
r75j	64.82	19.12	74.47	76.89	76	o69y			
j00g	82.06	-3.94	97.52	97.6	92	o98y			
j25g	67.26	-26.87	74.67	79.36	110	y34l			
j50g	55.83	-43.45	57.11	71.76	127	y69l			
j75g	47.5	-54.18	38.3	66.35	145	l03c			
g00b	50.07	-44.09	14.13	46.3	162	l23c			
g25b	52.21	-35.66	-6.03	36.17	190	l55c			
g50b	53.9	-29.04	-21.87	36.36	217	l87c			
g75b	49.44	-15.51	-32.31	35.84	244	c20v			
b00r	41.36	1.15	-37.95	37.97	272	c53v			
b25r	28.74	27.19	-46.77	54.1	300	c87v			
b50r	33.74	61.97	-37.81	72.59	329	v68m			
b75r	40.08	64.26	-3.32	64.35	357	m33o			



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

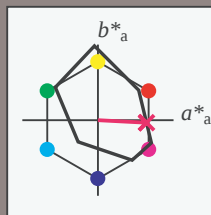
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.66

triangle lightness t^*

% Gamut

$u^*_{rel} = 88$

% Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

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^*

See for similar files: <http://www.ps.bam.de/Ee33/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

BAM registration: 20081001-Ee33/10L/L33E00FP.PS/ .PDF BAM material application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

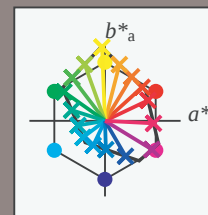
[illegible]

Input and output:
Colorimetric Printer Reflective System FRS15_90aM
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 0.9$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	39.18	56.94	27.13	63.07	25	$m81o$
$r25j$	42.41	49.1	44.5	66.26	42	$o10y$
$r50j$	52.78	35.22	58.37	68.17	59	$o40y$
$r75j$	64.82	19.12	74.47	76.89	76	$o69y$
$j00g$	82.06	-3.94	97.52	97.6	92	$o98y$
$j25g$	67.26	-26.87	74.67	79.36	110	$y34l$
$j50g$	55.83	-43.45	57.11	71.76	127	$y69l$
$j75g$	47.5	-54.18	38.3	66.35	145	$l03c$
$g00b$	50.07	-44.09	14.13	46.3	162	$l23c$
$g25b$	52.21	-35.66	-6.03	36.17	190	$l55c$
$g50b$	53.9	-29.04	-21.87	36.36	217	$l87c$
$g75b$	49.44	-15.51	-32.31	35.84	244	$c20v$
$b00r$	41.36	1.15	-37.95	37.97	272	$c53v$
$b25r$	28.74	27.19	-46.77	54.1	300	$c87v$
$b50r$	33.74	61.97	-37.81	72.59	329	$v68m$
$b75r$	40.08	64.26	-3.32	64.35	357	$m33o$



%Gamut

$u^*_{rel} = 88$

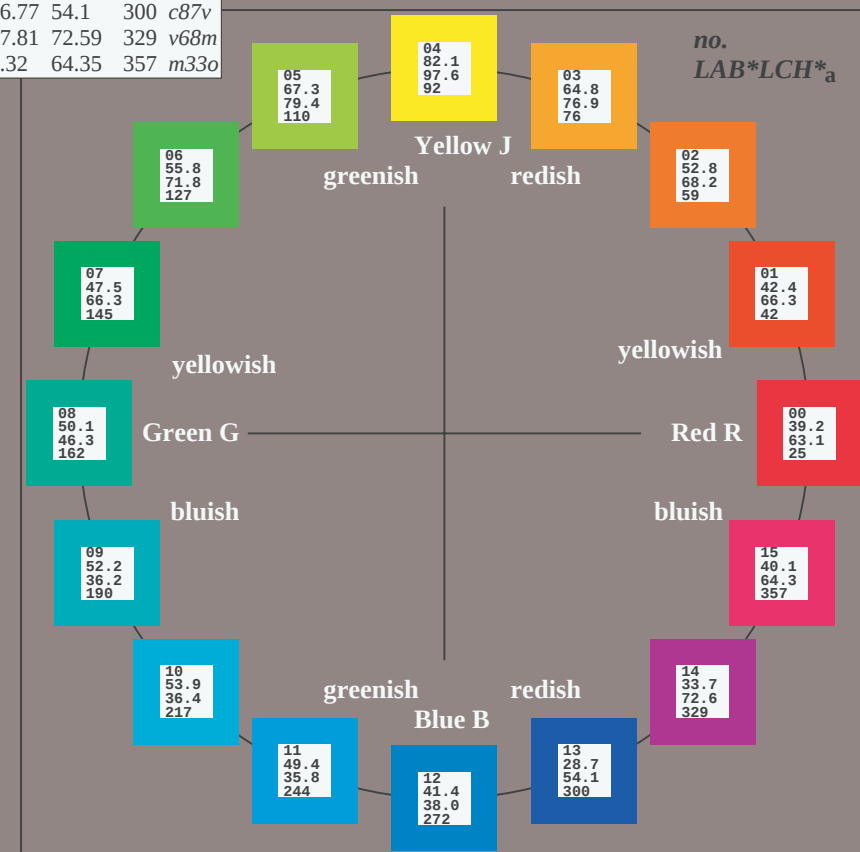
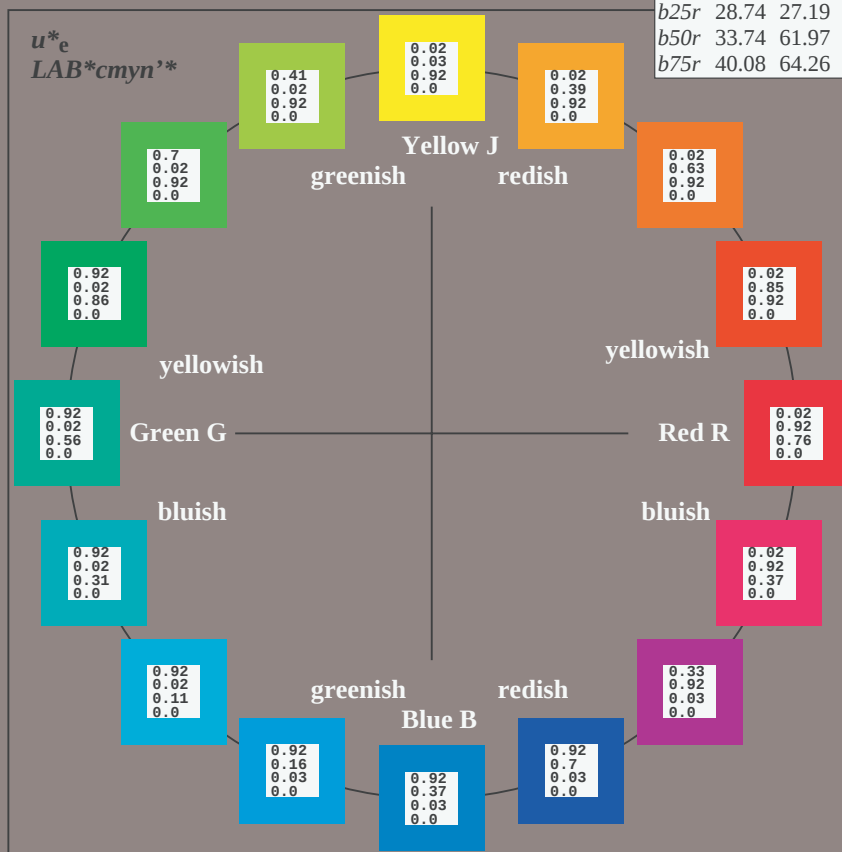
%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.8	54.41	35.65	65.05	33
Y_M	82.58	-4.04	92.72	92.8	92
L_M	46.95	-55.83	39.15	68.19	145
C_M	54.62	-25.67	-33.25	42.01	232
V_M	20.01	45.64	-56.27	72.45	309
M_M	40.88	71.17	-34.09	78.92	334
N_M	15.0	0.43	-3.23	3.26	278
W_M	90.0	0.62	-5.76	5.79	276
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 FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

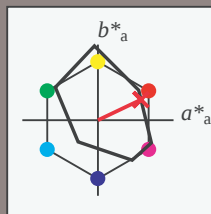
Hue texts:

$u_e^* = r00j$ $u_d^* = m81o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 57 27

$LAB^*LCH^*_{Ma}$: 39 63 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.18

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$

data for any colour:

lab^*tch^* and lab^*icu^*

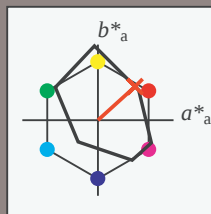
Hue texts:

$u^*_e = r25j$ $u^*_d = o10y$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 42 49 44

$LAB^*LCH^*_{Ma}$: 42 66 42

$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0

$lab^*olv^*_{Ma}$: 1.0 0.1 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

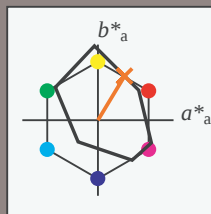
Hue texts:

$u_e^* = r50j$ $u_d^* = o40y$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u_e^*	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 53 35 58

$LAB^*LCH^*_{Ma}$: 53 68 58

$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0

$lab^*olv^*_{Ma}$: 1.0 0.4 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

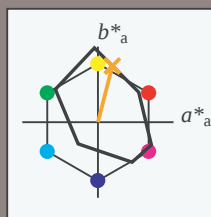
Hue texts:

$u^*_e = r75j$ $u^*_d = o69y$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 65 19 74

$LAB^*LCH^*_{Ma}$: 65 77 75

$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0

$lab^*olv^*_{Ma}$: 1.0 0.7 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$

data for any colour:

lab^*tch^* and lab^*icu^*

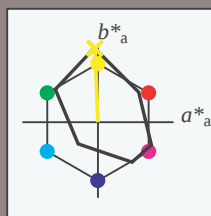
Hue texts:

$u^*_e = j00g$ $u^*_d = o98y$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 82 -4 98

$LAB^*LCH^*_{Ma}$: 82 98 92

$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.99 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

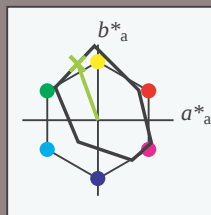
Hue texts:

$u^*_e = j25g$ $u^*_d = y34l$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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 -27 75

$LAB^*LCH^*_{Ma}$: 67 79 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.66 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

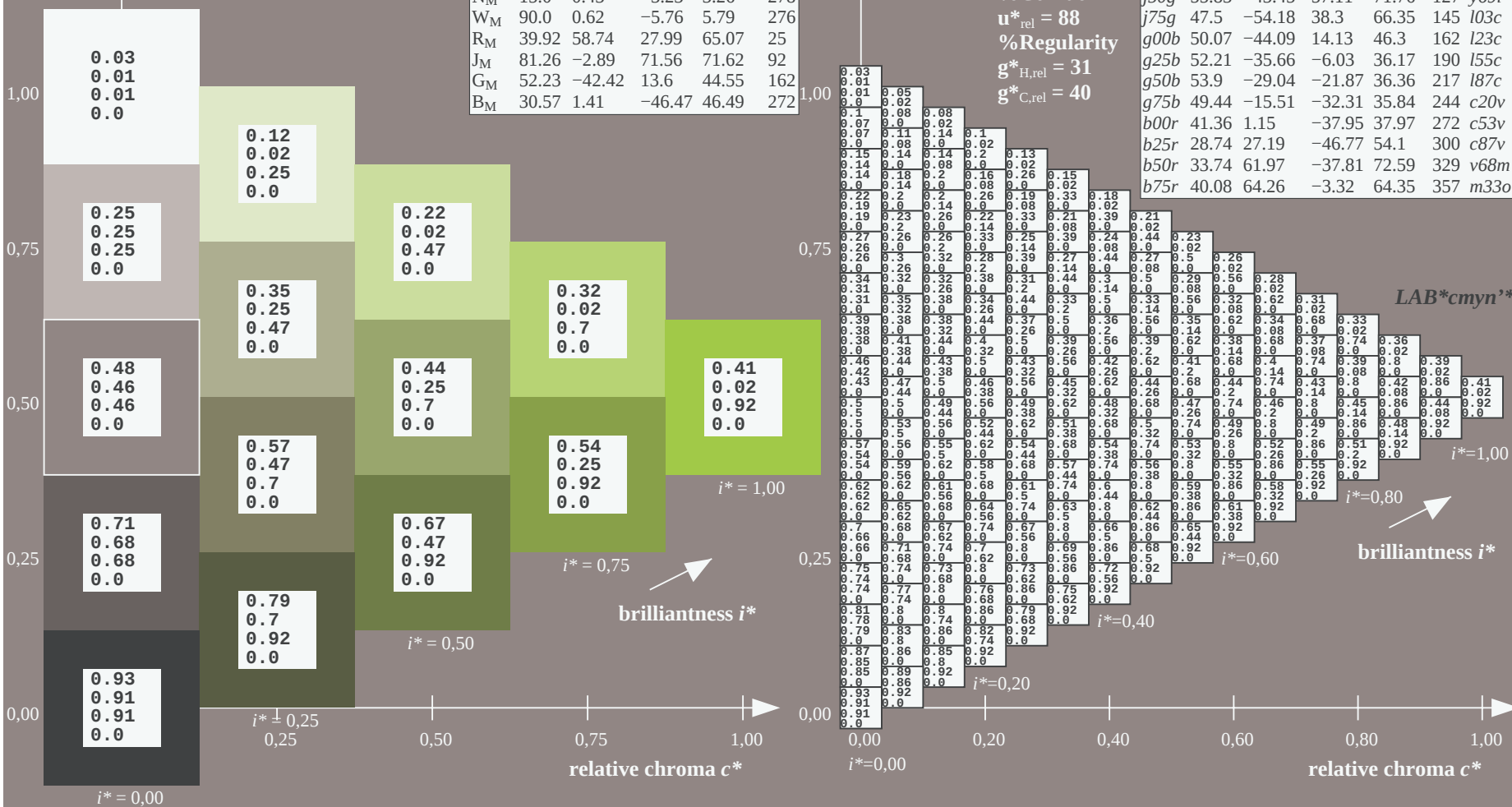
$g^*_{C,rel} = 40$

$u^*_e = j25g$

$LAB^*cmy^n^*$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

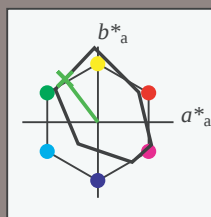
Hue texts:

$u^*_e = j50g$ $u^*_d = y69l$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 56 -43 57

$LAB^*LCH^*_{Ma}$: 56 72 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.3 1.0 0.0

triangle lightness t^*

%Gamut

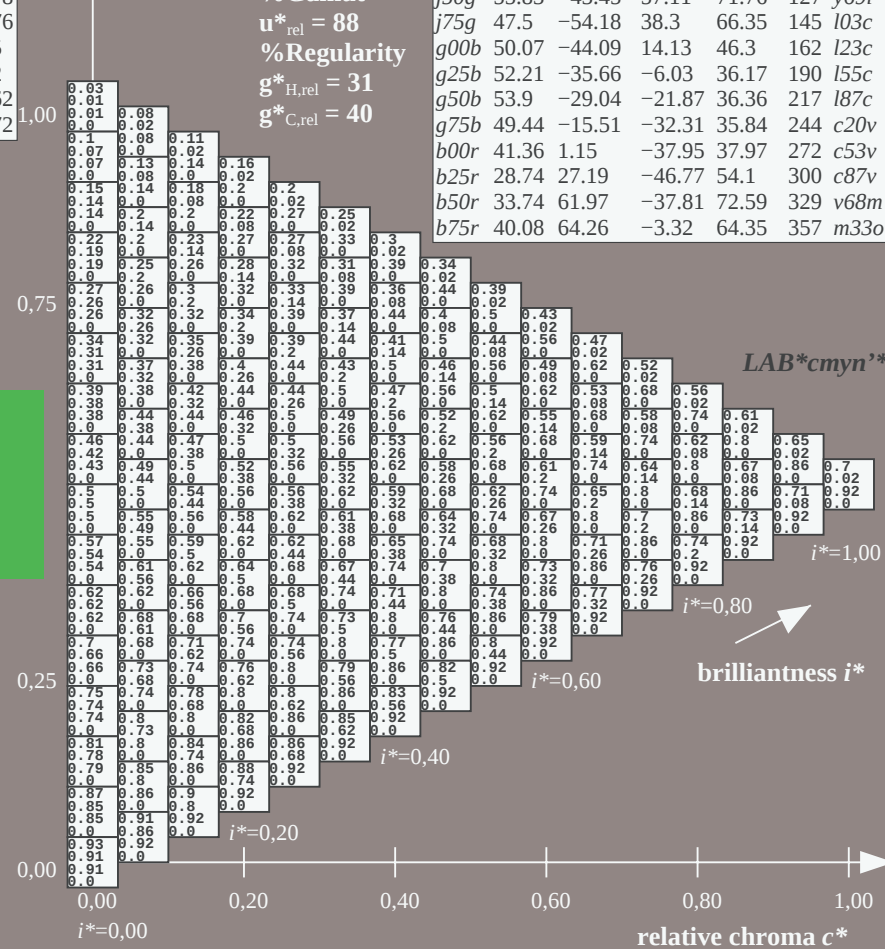
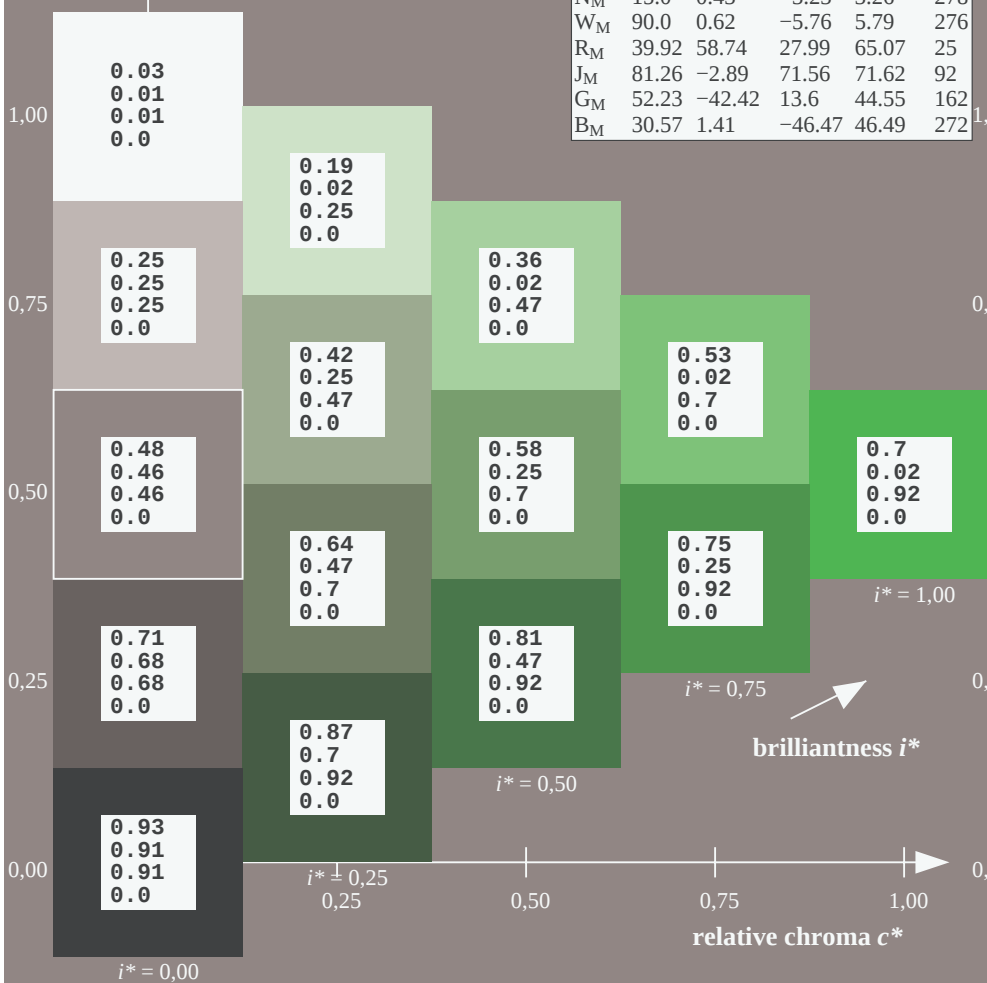
$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	





relative chroma c^*

$n0 / \text{www set} \dots$
 $\text{cmy0}^* \text{ setcmyk}$

$\underbrace{\hspace{10em}}_V$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

lab^*tch^* and lab^*icu^*

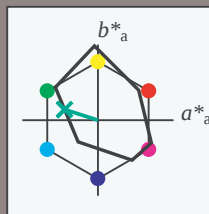
Hue texts:

$u^*_e = g00b$ $u^*_d = l23c$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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 -44 14

$LAB^*LCH^*_{Ma}$: 50 46 162

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.23

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

lab^*tch^* and lab^*icu^*

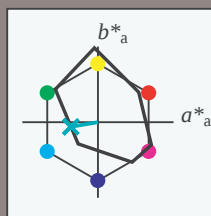
Hue texts:

$u^*_e = g25b$ $u^*_d = l55c$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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 -36 -6

$LAB^*LCH^*_{Ma}$: 52 36 189

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.5

$lab^*olv^*_{Ma}$: 0.0 1.0 0.55

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	39.18	56.94	27.13	63.07	25	m81o			
r25j	42.41	49.1	44.5	66.26	42	o10y			
r50j	52.78	35.22	58.37	68.17	59	o40y			
r75j	64.82	19.12	74.47	76.89	76	o69y			
j00g	82.06	-3.94	97.52	97.6	92	o98y			
j25g	67.26	-26.87	74.67	79.36	110	y34l			
j50g	55.83	-43.45	57.11	71.76	127	y69l			
j75g	47.5	-54.18	38.3	66.35	145	l03c			
g00b	50.07	-44.09	14.13	46.3	162	l23c			
g25b	52.21	-35.66	-6.03	36.17	190	l55c			
g50b	53.9	-29.04	-21.87	36.36	217	l87c			
g75b	49.44	-15.51	-32.31	35.84	244	c20v			
b00r	41.36	1.15	-37.95	37.97	272	c53v			
b25r	28.74	27.19	-46.77	54.1	300	c87v			
b50r	33.74	61.97	-37.81	72.59	329	v68m			
b75r	40.08	64.26	-3.32	64.35	357	m33o			

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

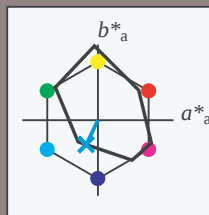
Hue texts:

$u^*_e = g75b$ $u^*_d = c20v$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 49 -16 -32

$LAB^*LCH^*_{Ma}$: 49 36 244

$lab^*rgb^*_{Ma}$: 0.0 0.5 1.0

$lab^*olv^*_{Ma}$: 0.0 0.8 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	39.18	56.94	27.13	63.07	25
r25j	42.41	49.1	44.5	66.26	42
r50j	52.78	35.22	58.37	68.17	59
r75j	64.82	19.12	74.47	76.89	76
j00g	82.06	-3.94	97.52	97.6	92
j25g	67.26	-26.87	74.67	79.36	110
j50g	55.83	-43.45	57.11	71.76	127
j75g	47.5	-54.18	38.3	66.35	145
g00b	50.07	-44.09	14.13	46.3	162
g25b	52.21	-35.66	-6.03	36.17	190
g50b	53.9	-29.04	-21.87	36.36	217
g75b	49.44	-15.51	-32.31	35.84	244
b00r	41.36	1.15	-37.95	37.97	272
b25r	28.74	27.19	-46.77	54.1	300
b50r	33.74	61.97	-37.81	72.59	329
b75r	40.08	64.26	-3.32	64.35	357

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

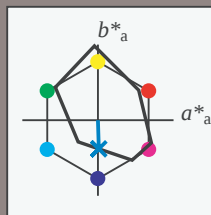
Hue texts:

$u^*_e = b00r$ $u^*_d = c53v$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 41 1 -38

$LAB^*LCH^*_{Ma}$: 41 38 271

$lab^*rgb^*_{Ma}$: 0.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.47 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$

data for any colour:

lab^*tch^* and lab^*icu^*

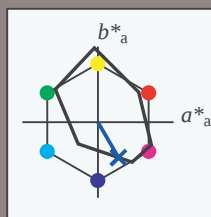
Hue texts:

$u^*_e = b25r$ $u^*_d = c87v$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data					
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 29 27 -47

$LAB^*LCH^*_{Ma}$: 29 54 300

$lab^*rgb^*_{Ma}$: 0.5 0.0 1.0

$lab^*olv^*_{Ma}$: 0.0 0.12 1.0

triangle lightness t^*

%Gamut

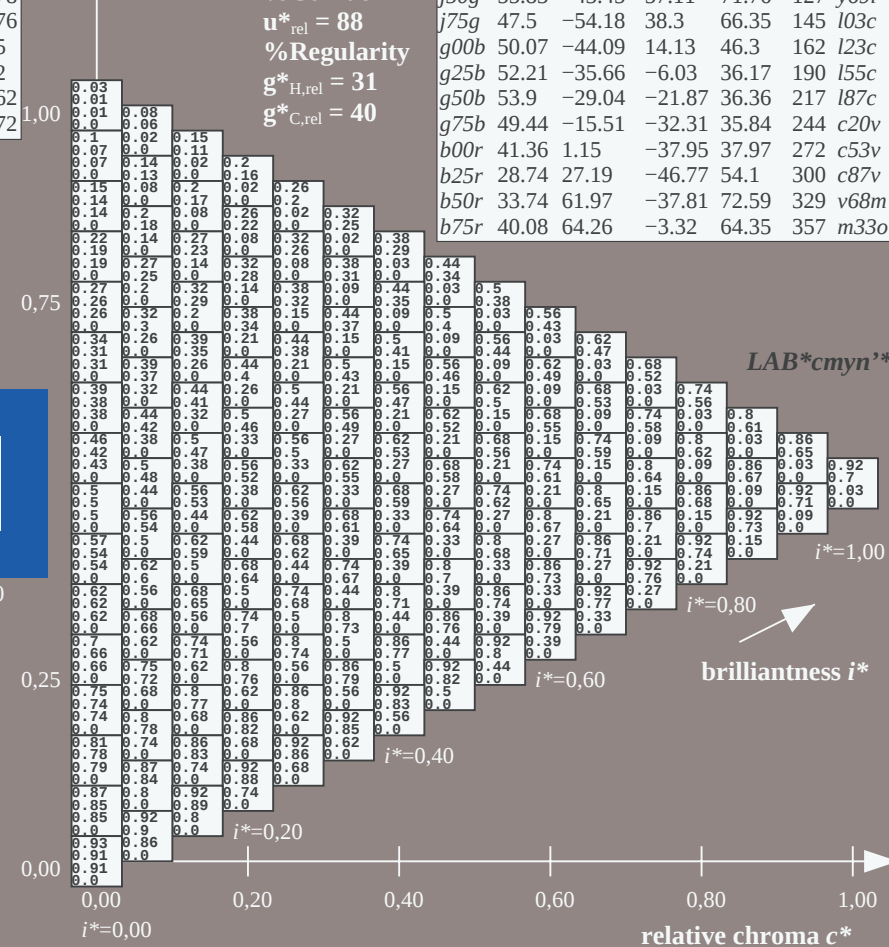
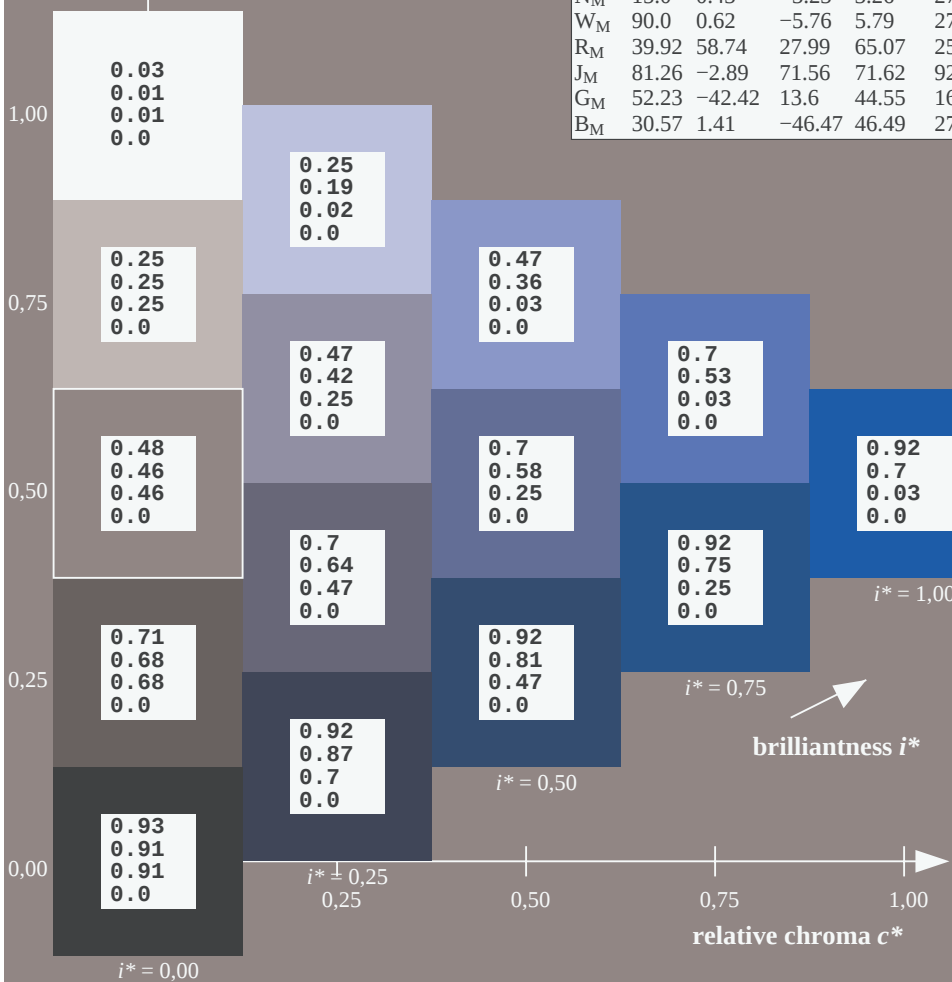
$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	



Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

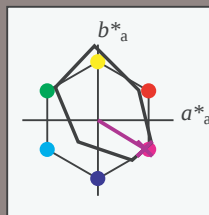
Hue texts:

$u^*_e = b50r$ $u^*_d = v68m$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data

u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.8	54.41	35.65	65.05	33
Y _M	82.58	-4.04	92.72	92.8	92
L _M	46.95	-55.83	39.15	68.19	145
C _M	54.62	-25.67	-33.25	42.01	232
V _M	20.01	45.64	-56.27	72.45	309
M _M	40.88	71.17	-34.09	78.92	334
N _M	15.0	0.43	-3.23	3.26	278
W _M	90.0	0.62	-5.76	5.79	276
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):

$LAB^*LAB^*_{Ma}$: 34 62 -38

$LAB^*LCH^*_{Ma}$: 34 73 328

$lab^*rgb^*_{Ma}$: 1.0 0.0 1.0

$lab^*olv^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	39.18	56.94	27.13	63.07	25	m81o
r25j	42.41	49.1	44.5	66.26	42	o10y
r50j	52.78	35.22	58.37	68.17	59	o40y
r75j	64.82	19.12	74.47	76.89	76	o69y
j00g	82.06	-3.94	97.52	97.6	92	o98y
j25g	67.26	-26.87	74.67	79.36	110	y34l
j50g	55.83	-43.45	57.11	71.76	127	y69l
j75g	47.5	-54.18	38.3	66.35	145	l03c
g00b	50.07	-44.09	14.13	46.3	162	l23c
g25b	52.21	-35.66	-6.03	36.17	190	l55c
g50b	53.9	-29.04	-21.87	36.36	217	l87c
g75b	49.44	-15.51	-32.31	35.84	244	c20v
b00r	41.36	1.15	-37.95	37.97	272	c53v
b25r	28.74	27.19	-46.77	54.1	300	c87v
b50r	33.74	61.97	-37.81	72.59	329	v68m
b75r	40.08	64.26	-3.32	64.35	357	m33o

$LAB^*cmy^n^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS15_90aM for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

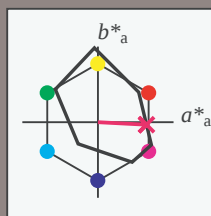
Hue texts:

$u^*_e = b75r$ $u^*_d = m33o$

contrast reduction factor:

$c_R = 0.9$

triangle lightness t^*



FRS15_90aM; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.8	54.41	35.65	65.05	33	
Y _M	82.58	-4.04	92.72	92.8	92	
L _M	46.95	-55.83	39.15	68.19	145	
C _M	54.62	-25.67	-33.25	42.01	232	
V _M	20.01	45.64	-56.27	72.45	309	
M _M	40.88	71.17	-34.09	78.92	334	
N _M	15.0	0.43	-3.23	3.26	278	
W _M	90.0	0.62	-5.76	5.79	276	
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):

$LAB^*LAB^*_{Ma}$: 40 64 -3

$LAB^*LCH^*_{Ma}$: 40 64 357

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.5

$lab^*olv^*_{Ma}$: 1.0 0.0 0.66

triangle lightness t^*

%Gamut

$u^*_{rel} = 88$

%Regularity

$g^*_{H,rel} = 31$

$g^*_{C,rel} = 40$

FRS15_90aM; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	39.18	56.94	27.13	63.07	25	m81o	
r25j	42.41	49.1	44.5	66.26	42	o10y	
r50j	52.78	35.22	58.37	68.17	59	o40y	
r75j	64.82	19.12	74.47	76.89	76	o69y	
j00g	82.06	-3.94	97.52	97.6	92	o98y	
j25g	67.26	-26.87	74.67	79.36	110	y34l	
j50g	55.83	-43.45	57.11	71.76	127	y69l	
j75g	47.5	-54.18	38.3	66.35	145	l03c	
g00b	50.07	-44.09	14.13	46.3	162	l23c	
g25b	52.21	-35.66	-6.03	36.17	190	l55c	
g50b	53.9	-29.04	-21.87	36.36	217	l87c	
g75b	49.44	-15.51	-32.31	35.84	244	c20v	
b00r	41.36	1.15	-37.95	37.97	272	c53v	
b25r	28.74	27.19	-46.77	54.1	300	c87v	
b50r	33.74	61.97	-37.81	72.59	329	v68m	
b75r	40.08	64.26	-3.32	64.35	357	m33o	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

[illegible]