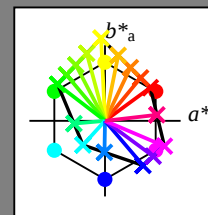


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number *no.* = 00 .. 15
device hue text:
 $u^*_d = 16$ hues *o00y*, *o25y*, ..., *m50o*
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>



%Gamut

$u^*_{rel} = 109$

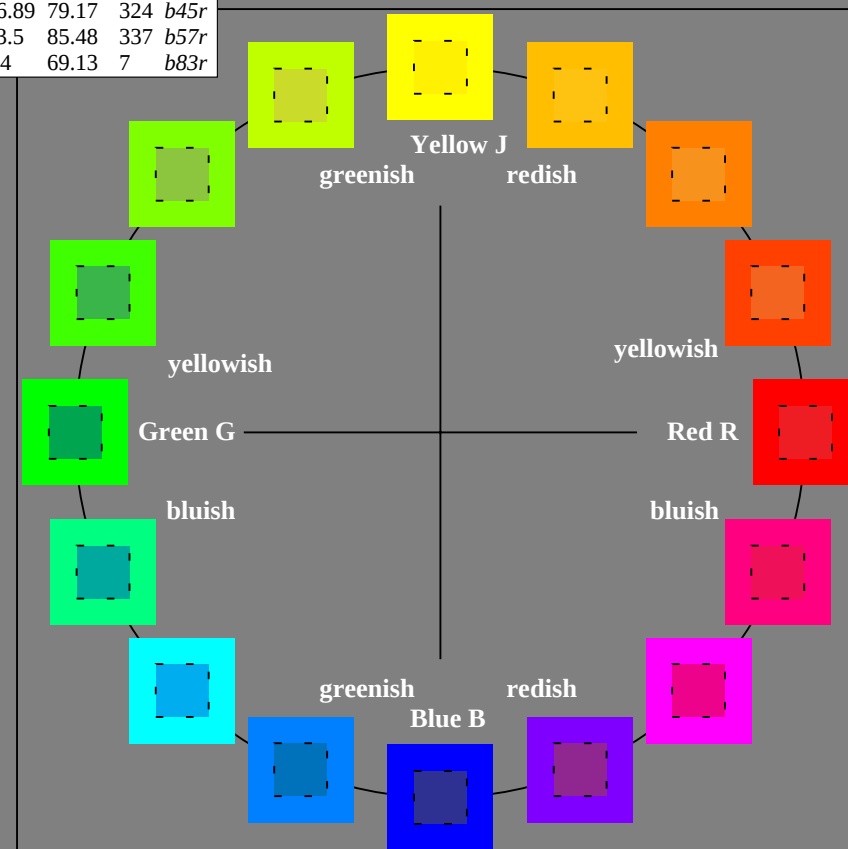
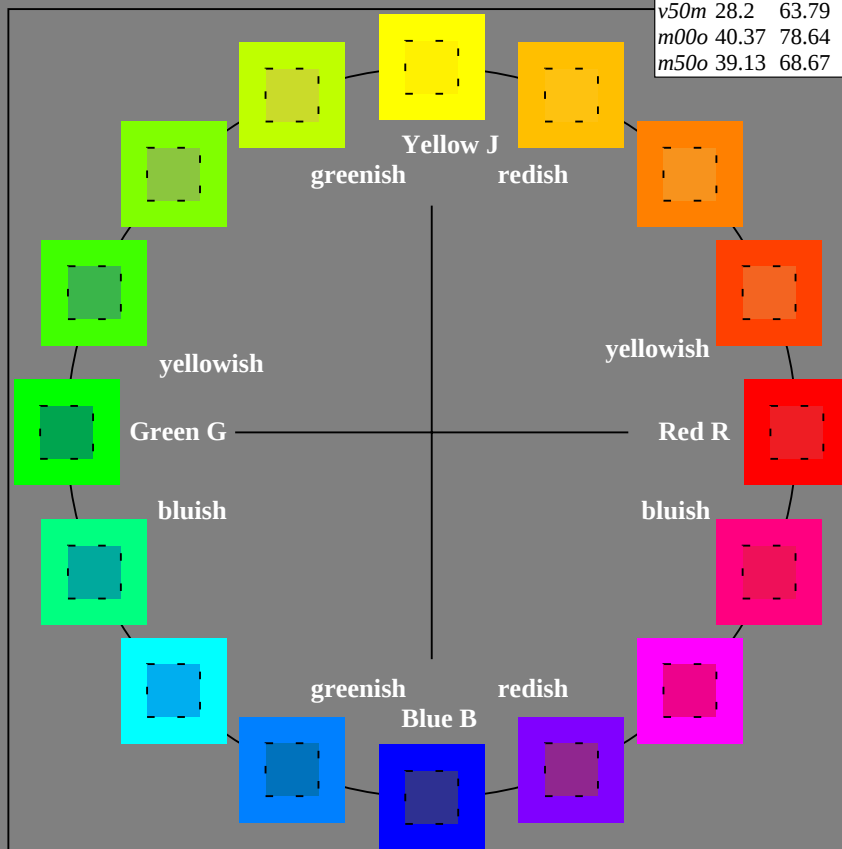
%Regularity

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

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

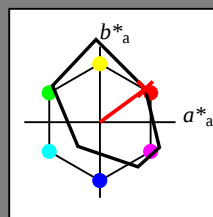
FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	92
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r16j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



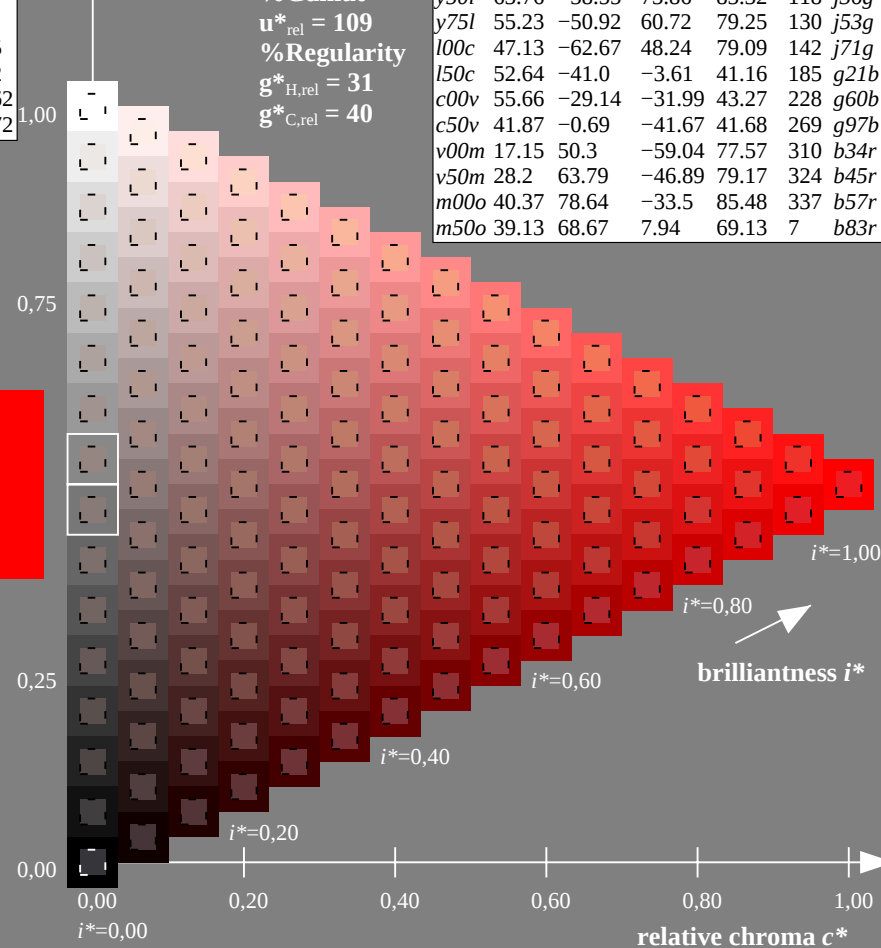
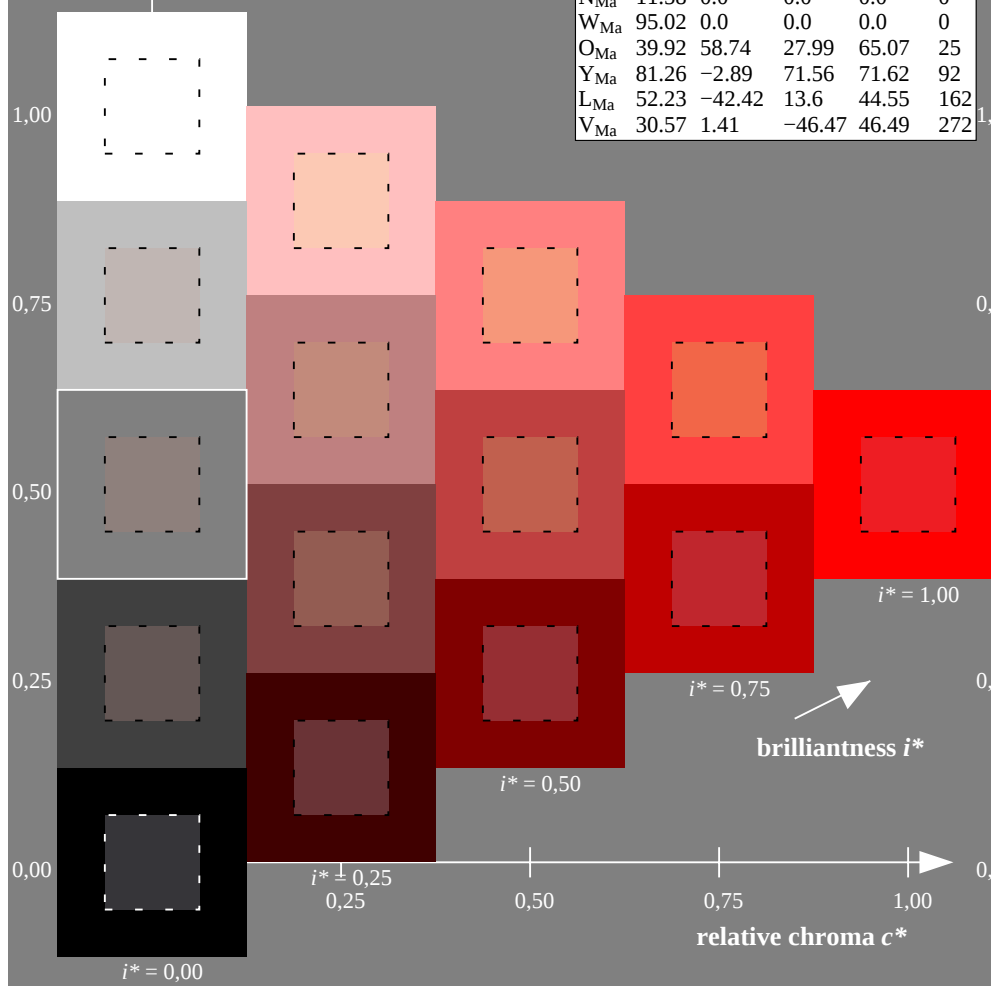
FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
OMa	38.06	60.0	44.0	74.4	36	
YMa	86.77	-5.17	109.32	109.44	93	
LMa	47.13	-62.67	48.24	79.09	142	
CMa	55.66	-29.14	-31.99	43.27	228	
VMa	17.15	50.3	-59.04	77.57	310	
MMa	40.37	78.64	-33.5	85.48	337	
NMa	11.58	0.0	0.0	0.0	0	
WMa	95.02	0.0	0.0	0.0	0	
OMa	39.92	58.74	27.99	65.07	25	
YMa	81.26	-2.89	71.56	71.62	92	
LMa	52.23	-42.42	13.6	44.55	162	
VMa	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 60 44
 LAB^*LCH^*Ma : 38 74 36
 lab^*olv^*Ma : 1.0 0.0 0.0
 lab^*rgb^*Ma : 1.0 0.16 0.0
triangle lightness t^*

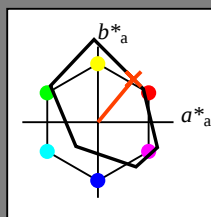
%Gamut
 $u^*_{rel} = 109$
%Regularity
 $g^*_{H,rel} = 31$
 $g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o25y$ $u^*_e = r37j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

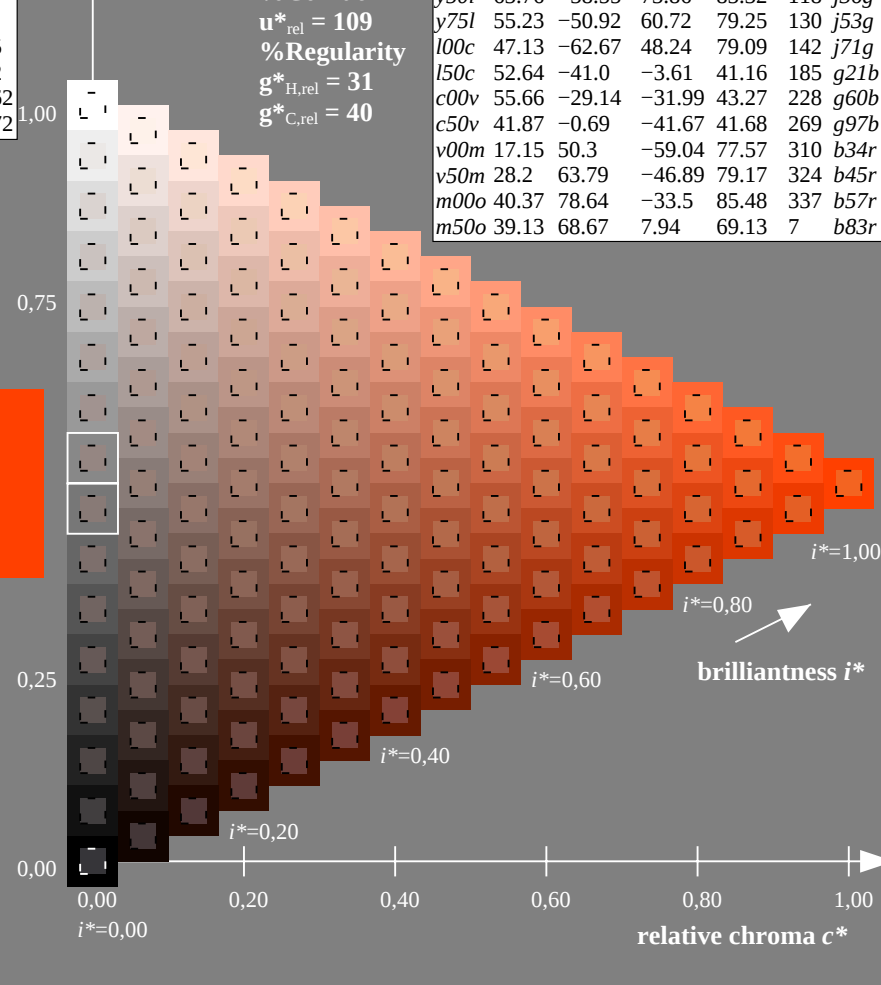
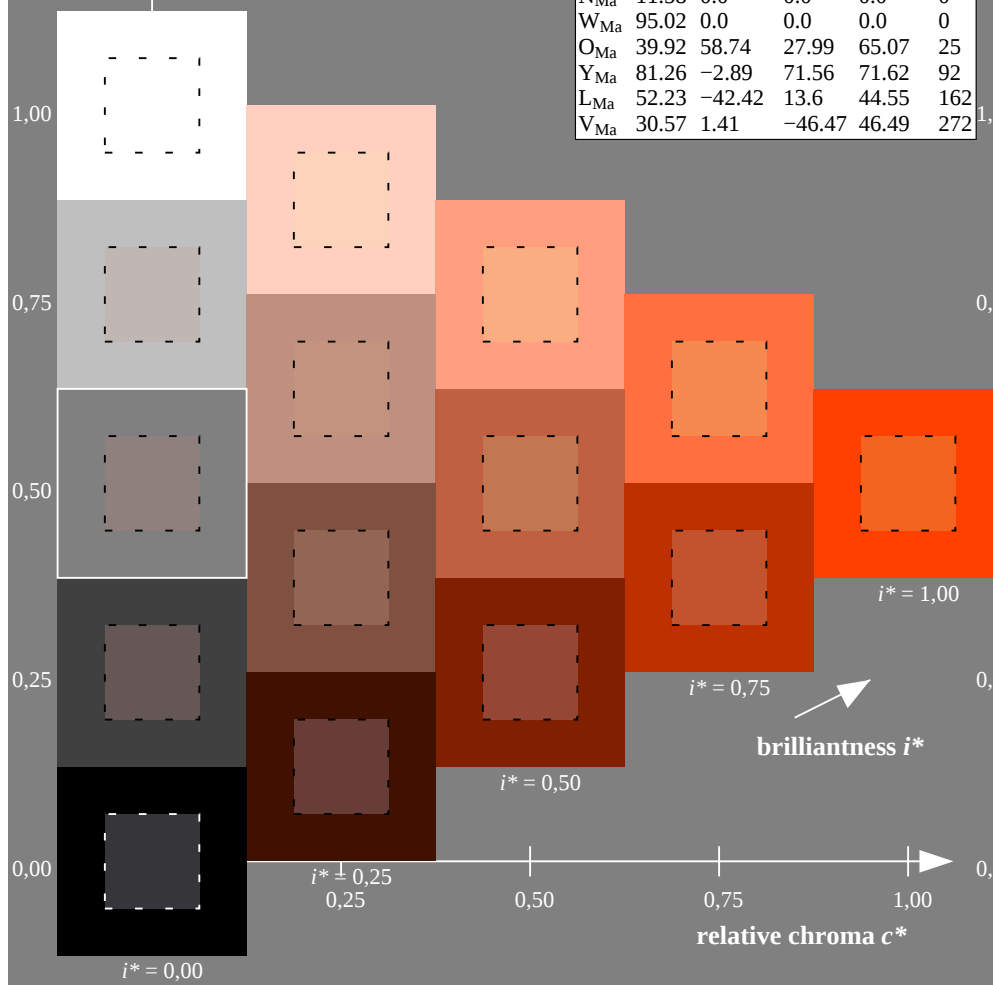
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57
 $LAB^*LCH^*_{Ma}$: 48 74 50
 $lab^*olv^*_{Ma}$: 1.0 0.25 0.0
 $lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

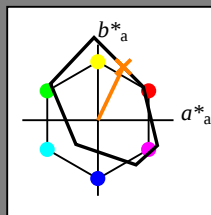
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

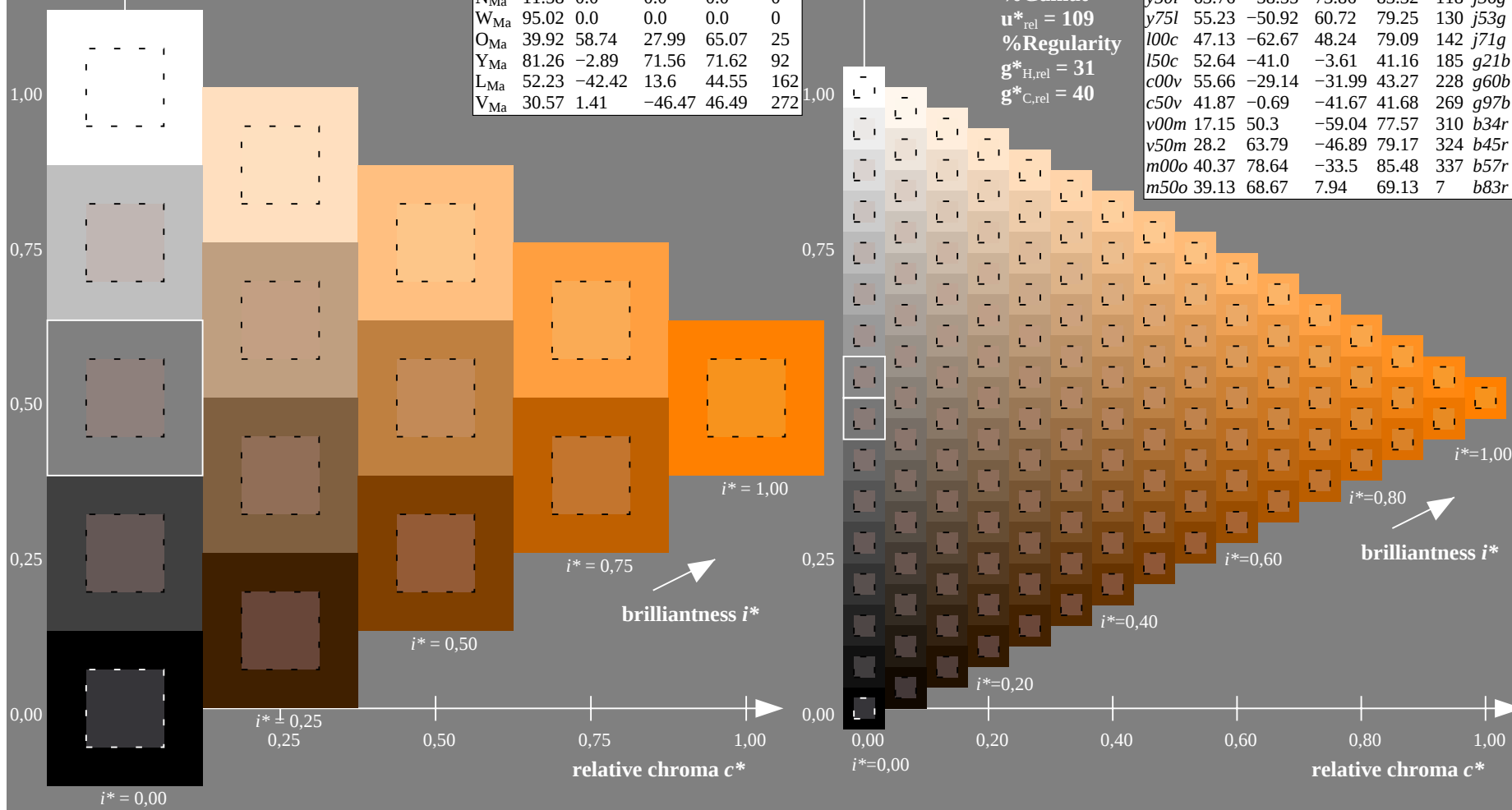
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = o50y$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

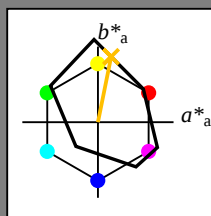
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

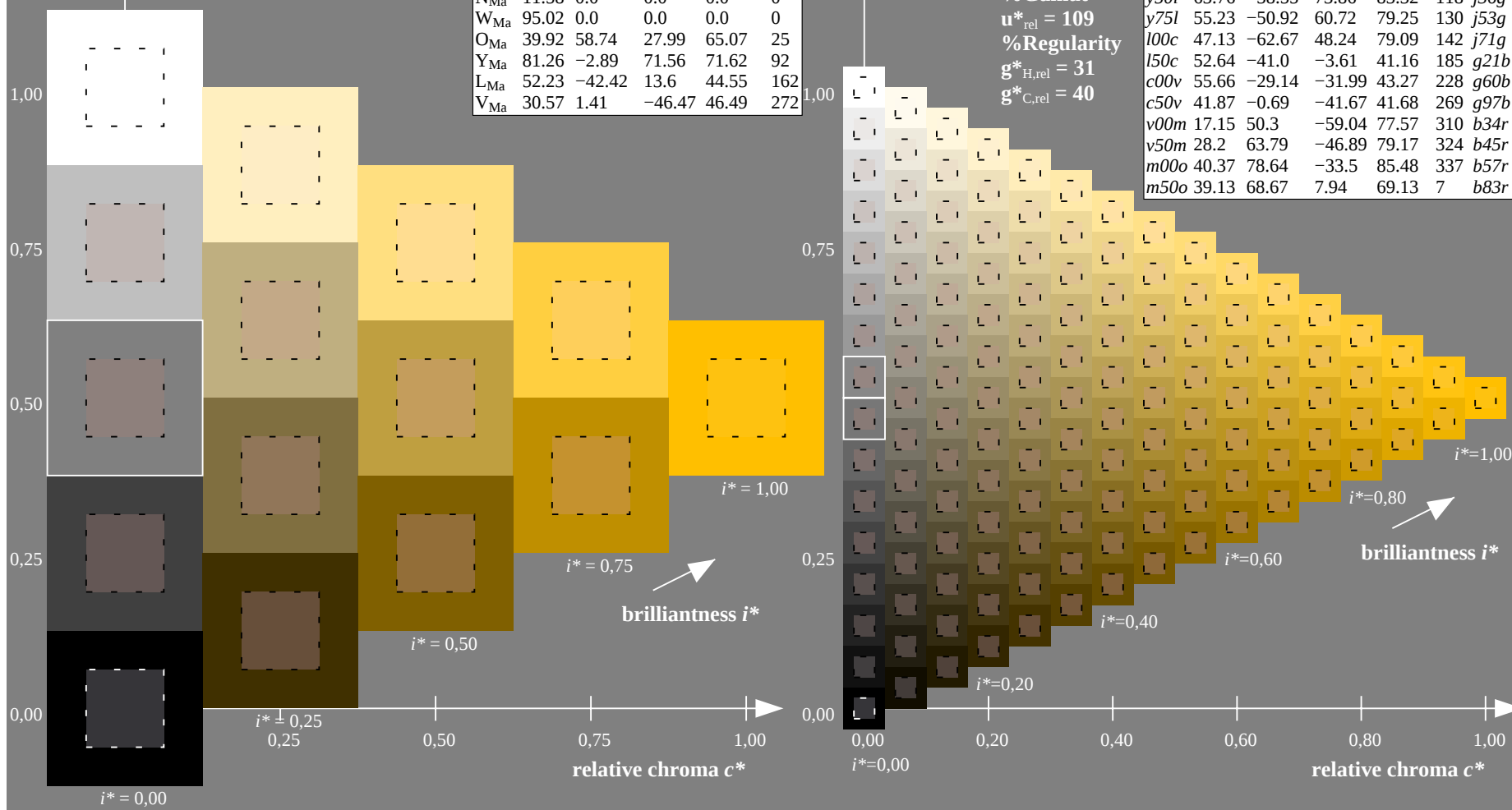
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

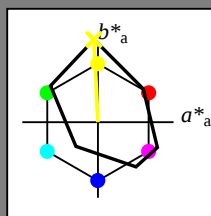
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

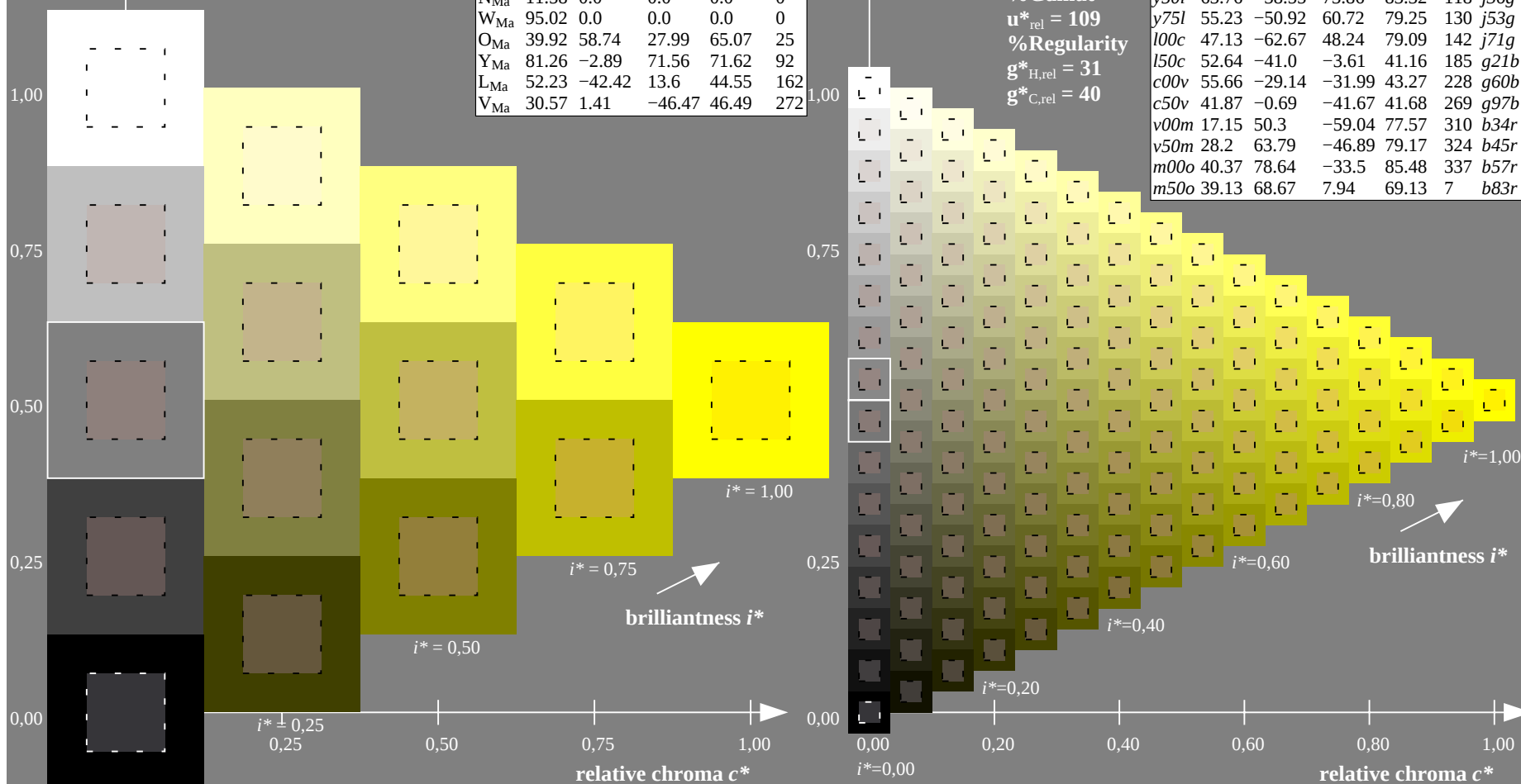
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

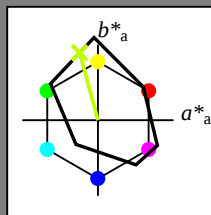
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

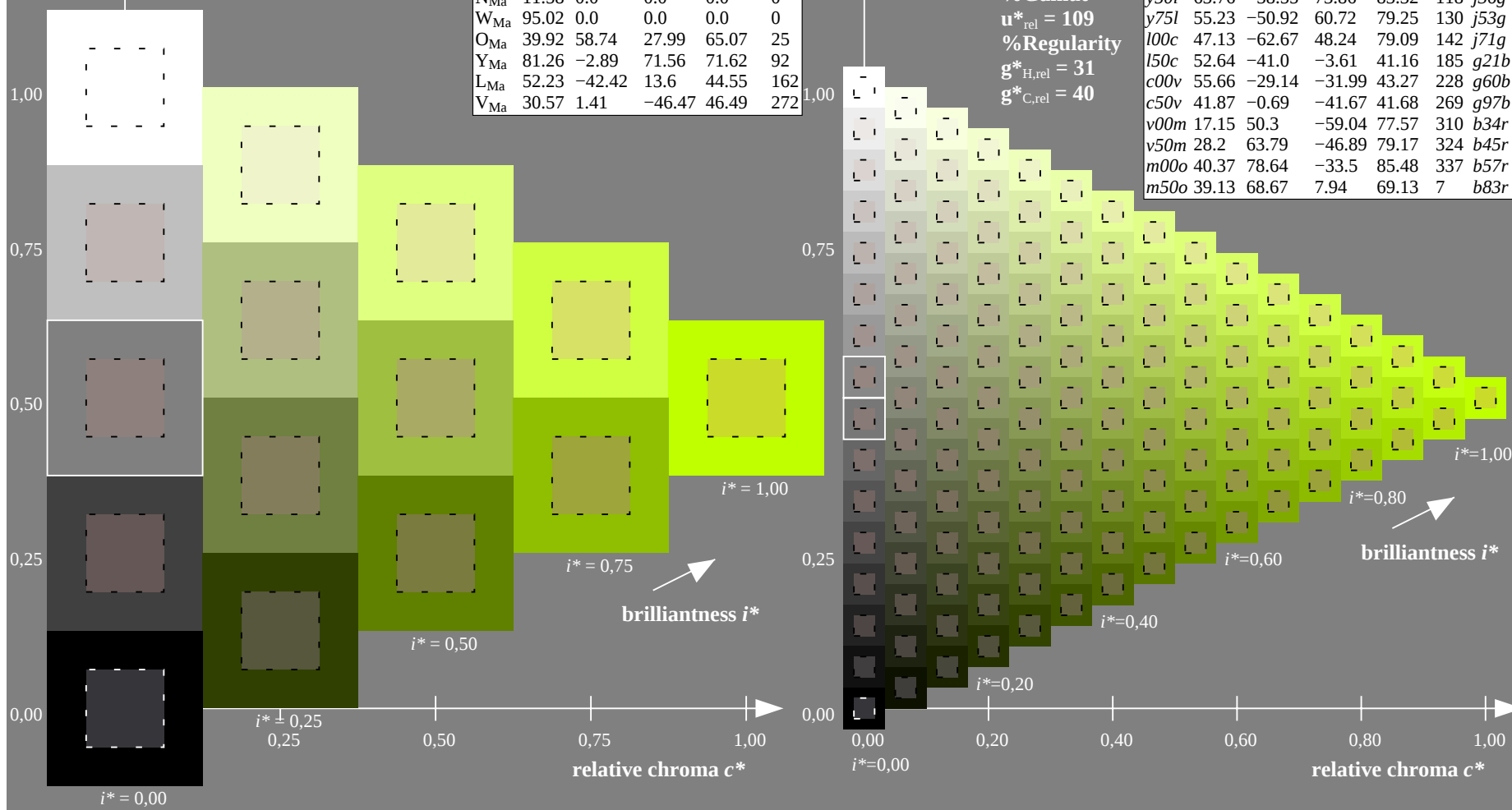
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = y25l$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

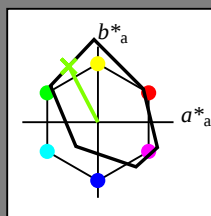
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

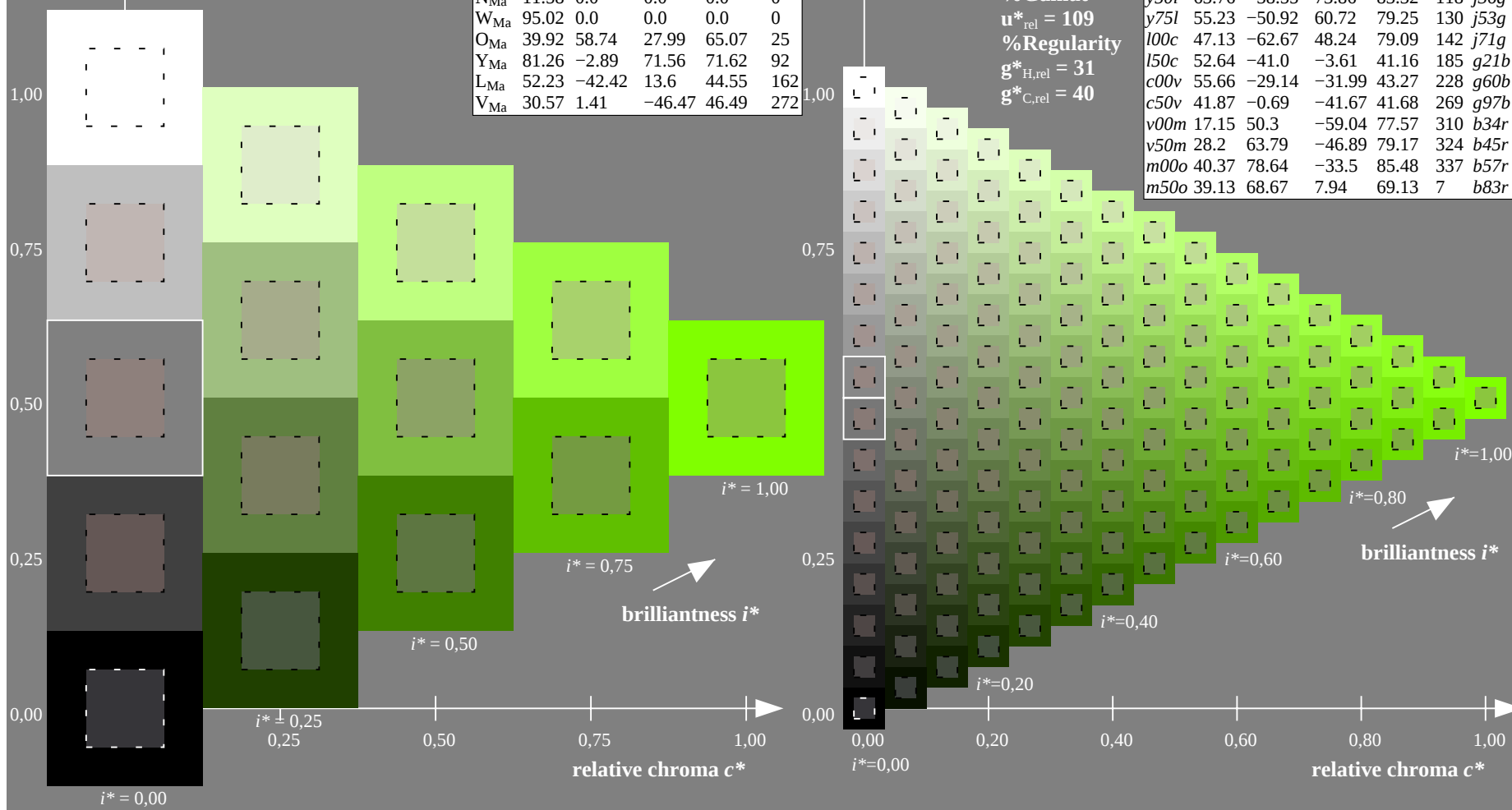
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

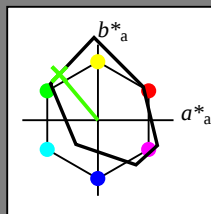
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	38.06	60.0	44.0	74.4	36
YMa	86.77	-5.17	109.32	109.44	93
LMa	47.13	-62.67	48.24	79.09	142
CMa	55.66	-29.14	-31.99	43.27	228
VMa	17.15	50.3	-59.04	77.57	310
MMa	40.37	78.64	-33.5	85.48	337
NMa	11.58	0.0	0.0	0.0	0
WMa	95.02	0.0	0.0	0.0	0
OMa	39.92	58.74	27.99	65.07	25
YMa	81.26	-2.89	71.56	71.62	92
LMa	52.23	-42.42	13.6	44.55	162
VMa	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 55 -51 61

LAB^*LCH^*Ma : 55 79 129

lab^*olv^*Ma : 0.25 1.0 0.0

lab^*rgb^*Ma : 0.46 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

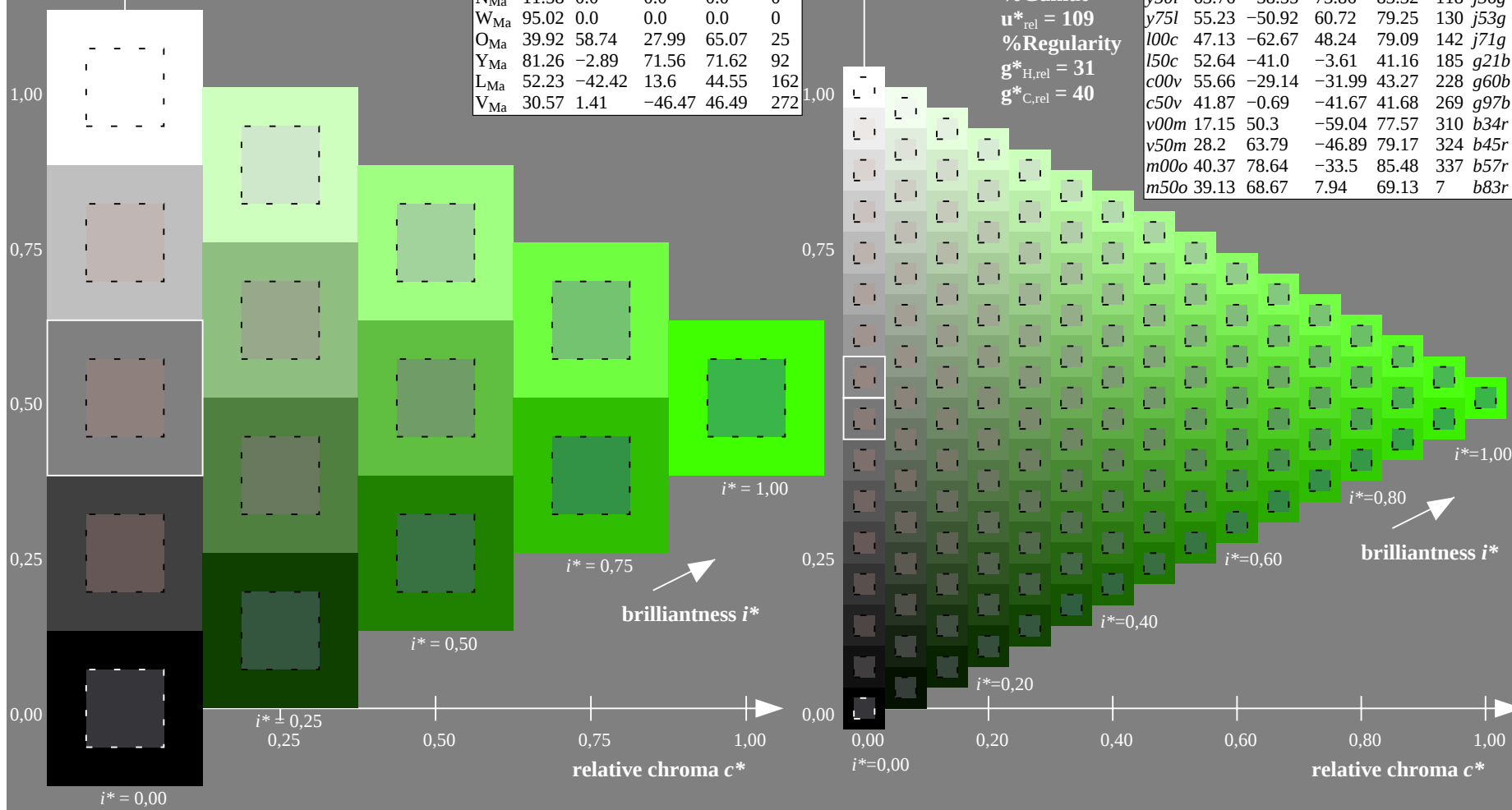
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

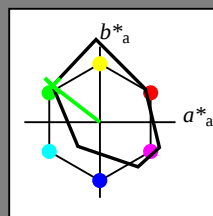
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = y75l$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = j71g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

%Gamut

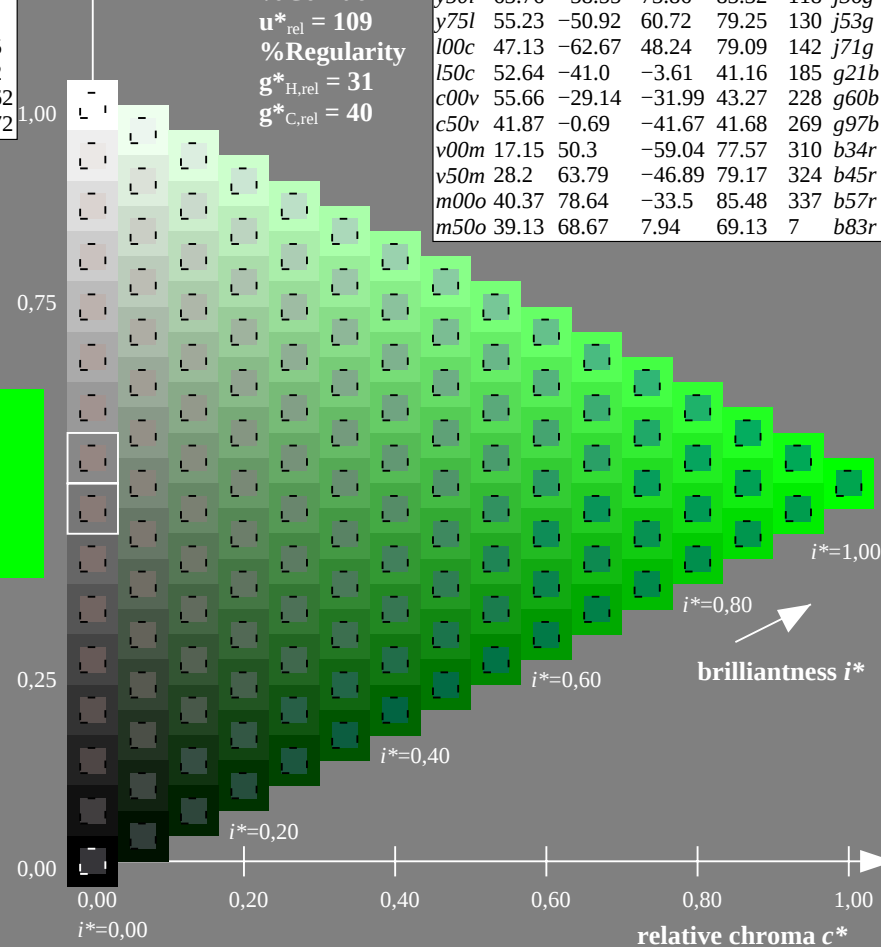
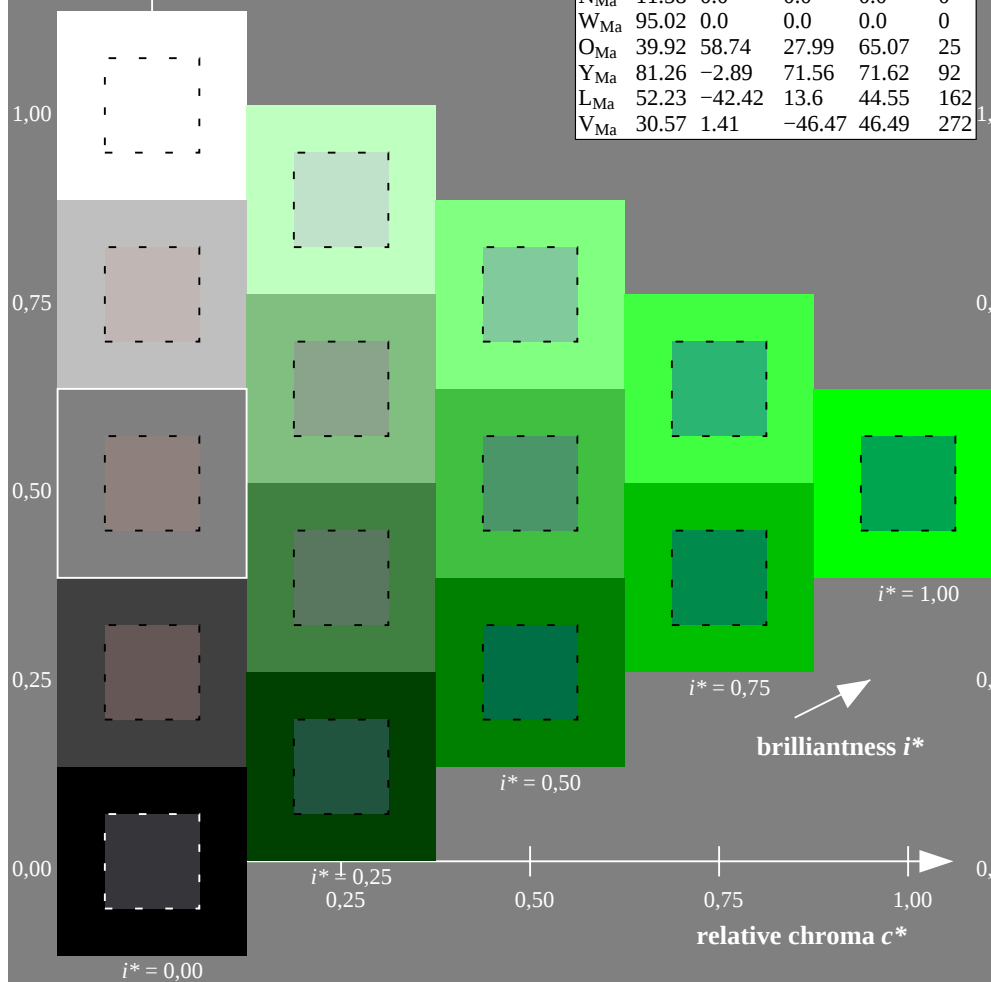
$u^*_{rel} = 109$

%Regularity

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

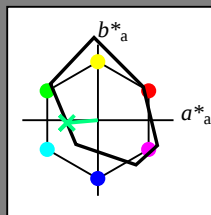
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = l50c$ $u^*_e = g21b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

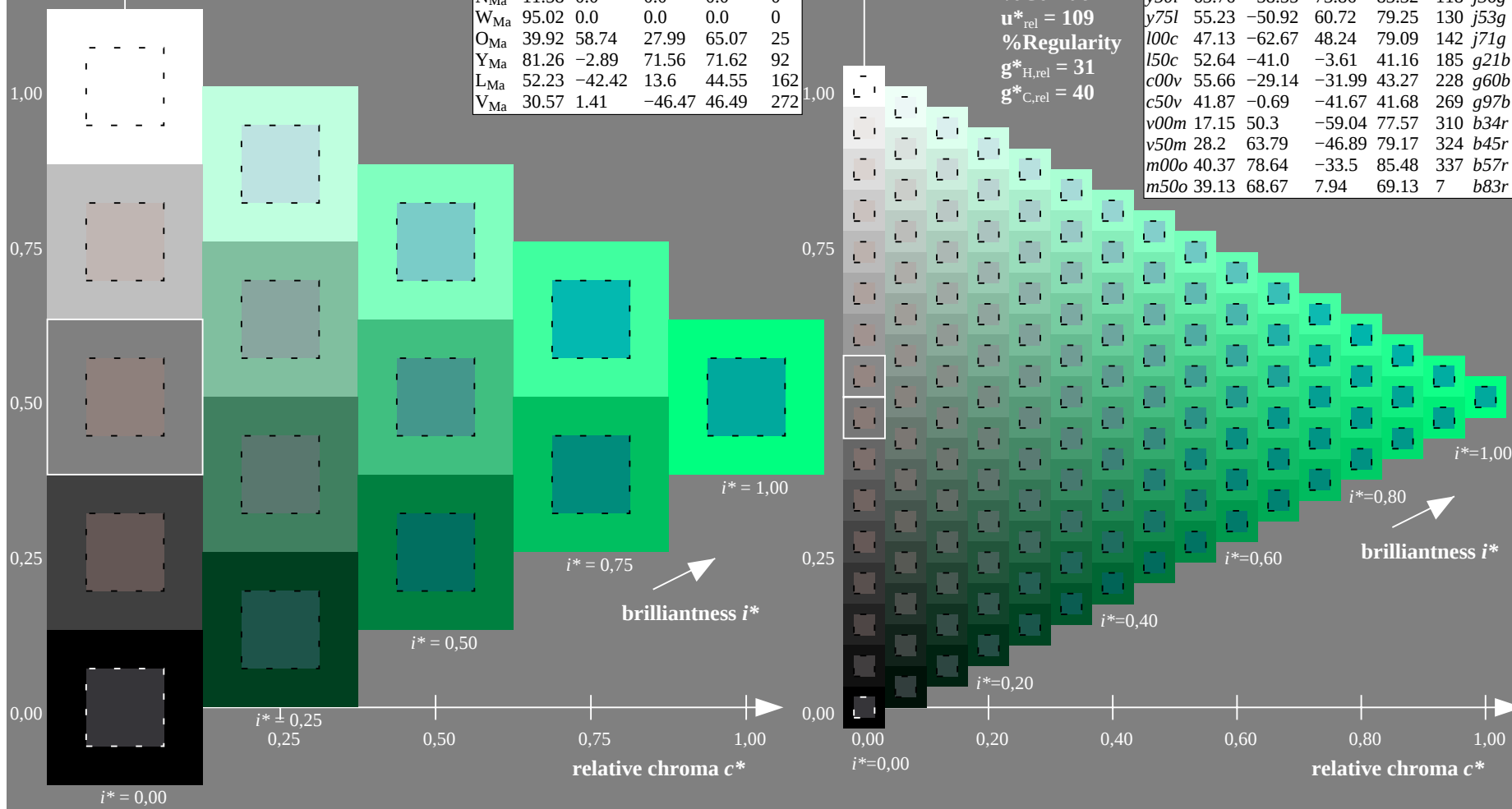
$u^*_{rel} = 109$

%Regularity

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

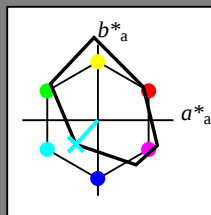
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c00v$ $u^*_e = g60b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

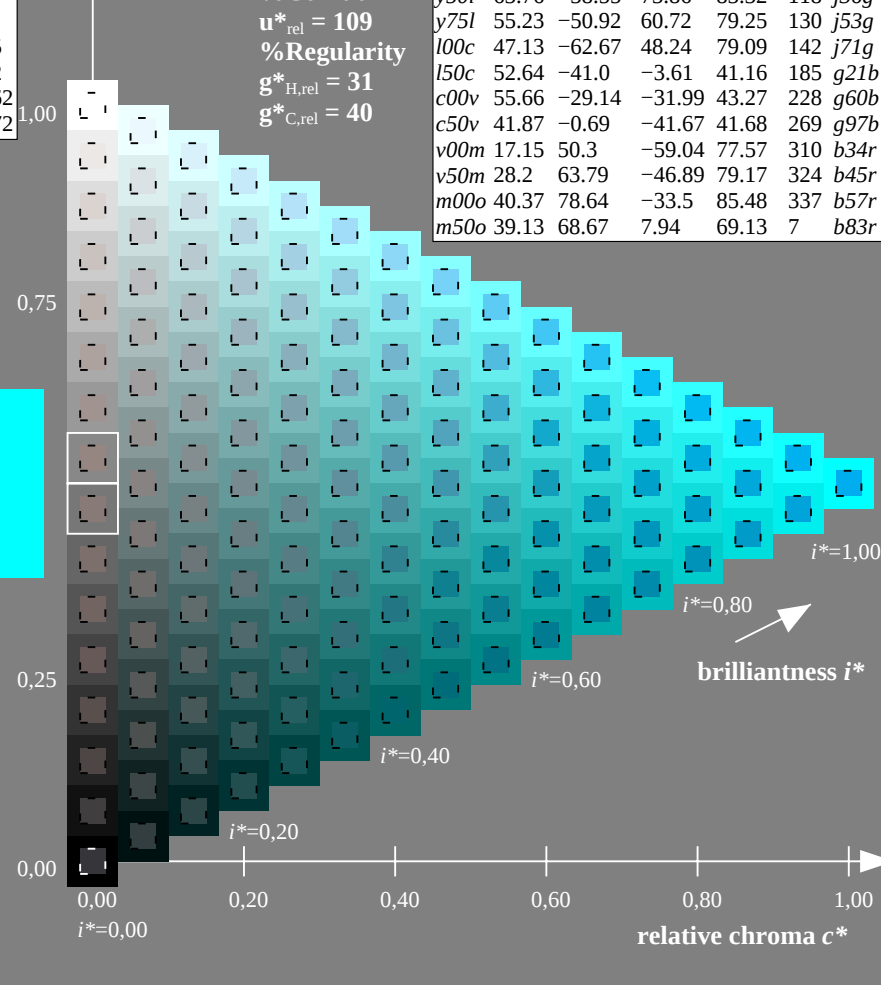
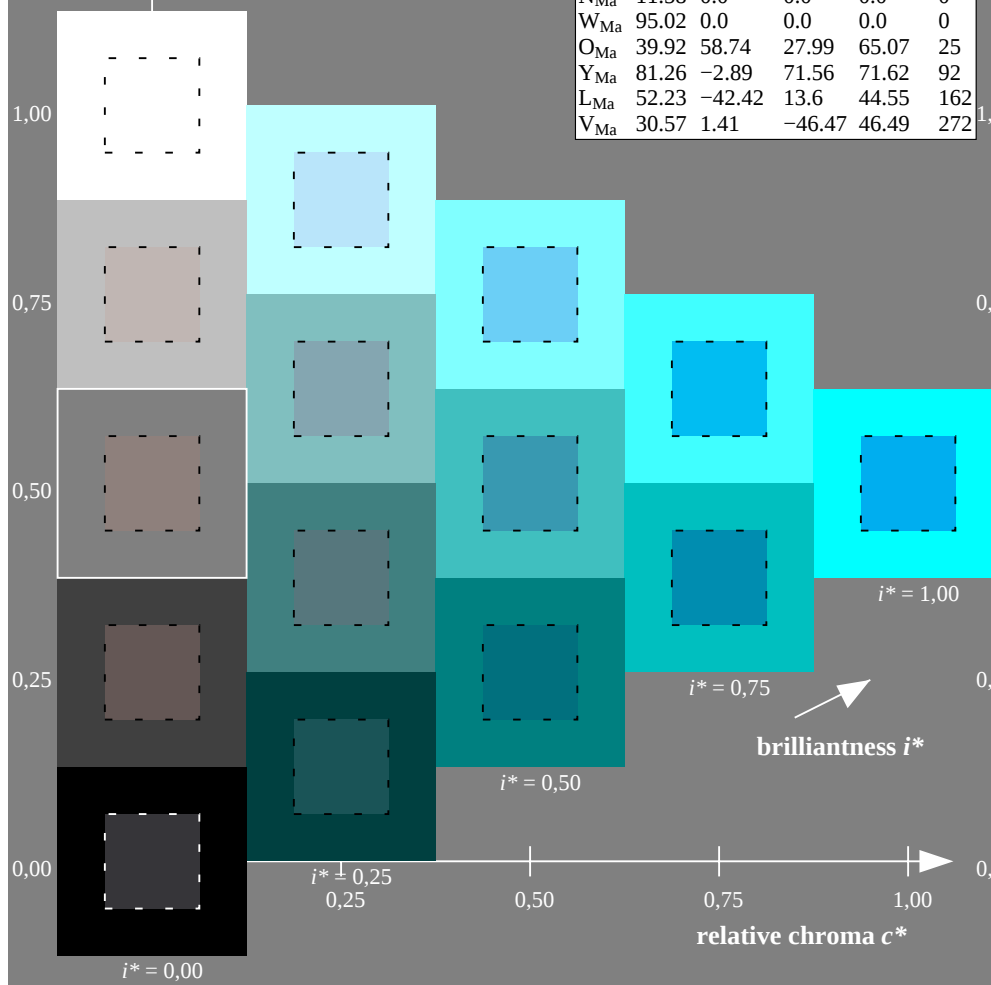
$u^*_{rel} = 109$

%Regularity

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

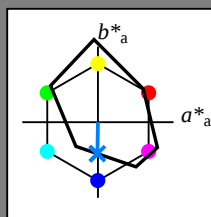
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

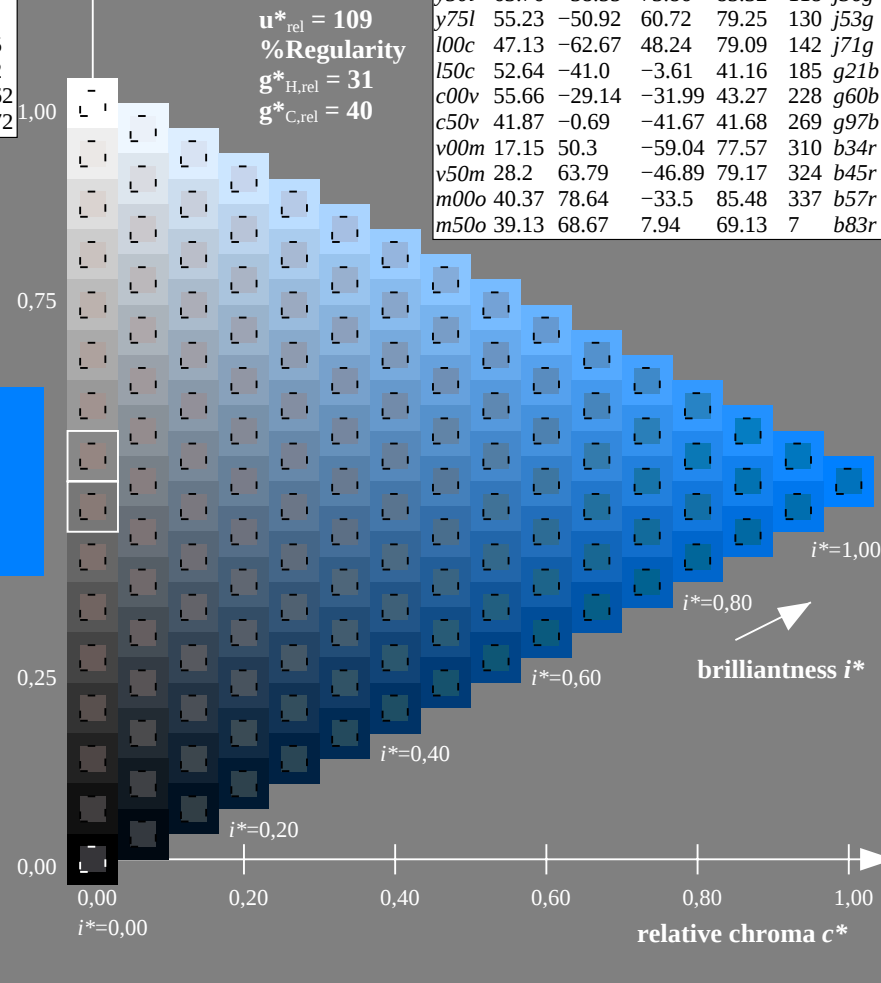
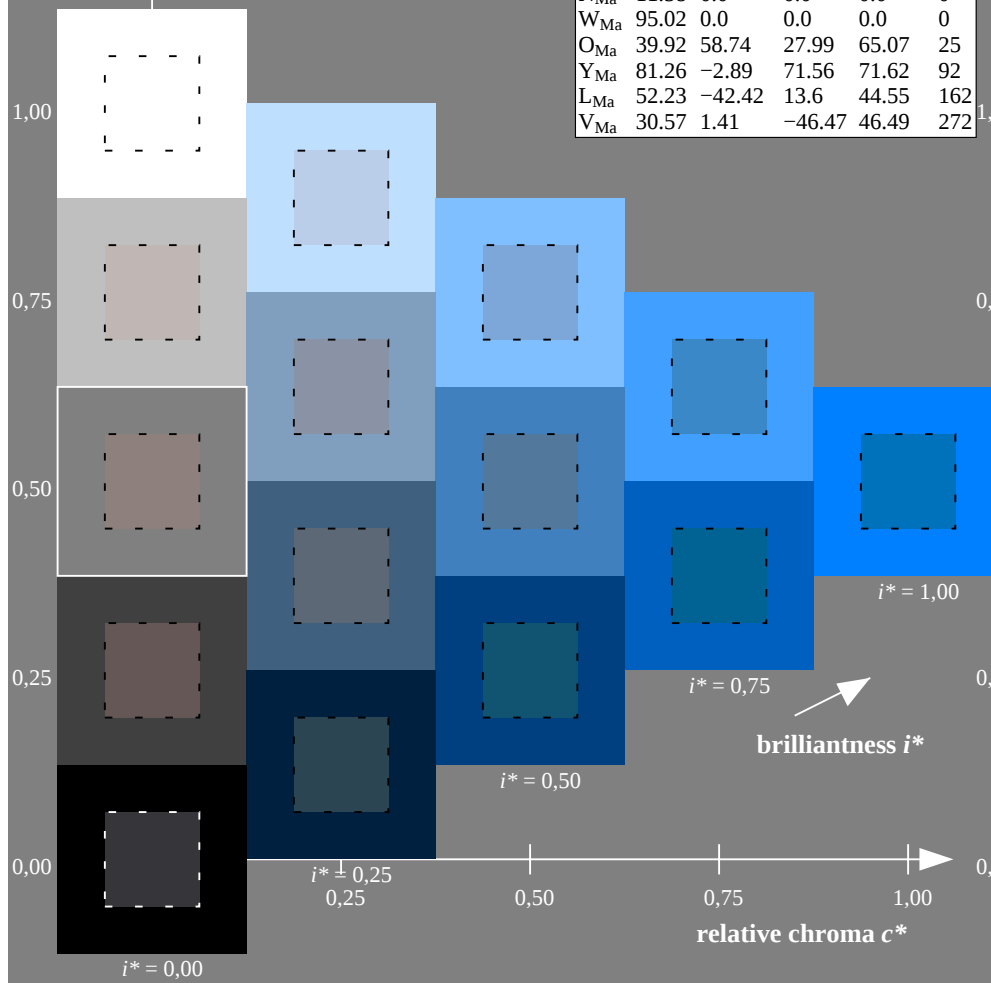
$u^*_{rel} = 109$

%Regularity

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

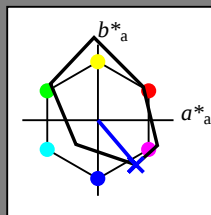
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = v00m$ $u^*_e = b34r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
OMa	38.06	60.0	44.0	74.4	36	$r16j$
YMa	86.77	-5.17	109.32	109.44	93	$r37j$
LMa	47.13	-62.67	48.24	79.09	142	$r58j$
CMa	55.66	-29.14	-31.99	43.27	228	$r79j$
VMa	17.15	50.3	-59.04	77.57	310	$j01g$
MMa	40.37	78.64	-33.5	85.48	337	$j18g$
NMa	11.58	0.0	0.0	0.0	0	$j36g$
WMa	95.02	0.0	0.0	0.0	0	$j53g$
OMa	39.92	58.74	27.99	65.07	25	$j71g$
YMa	81.26	-2.89	71.56	71.62	92	$g21b$
LMa	52.23	-42.42	13.6	44.55	162	$g60b$
VMa	30.57	1.41	-46.47	46.49	272	$g97b$

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 17 50 -59

LAB^*LCH^*Ma : 17 78 310

lab^*olv^*Ma : 0.0 0.0 1.0

lab^*rgb^*Ma : 0.68 0.0 1.0

triangle lightness t^*

%Gamut

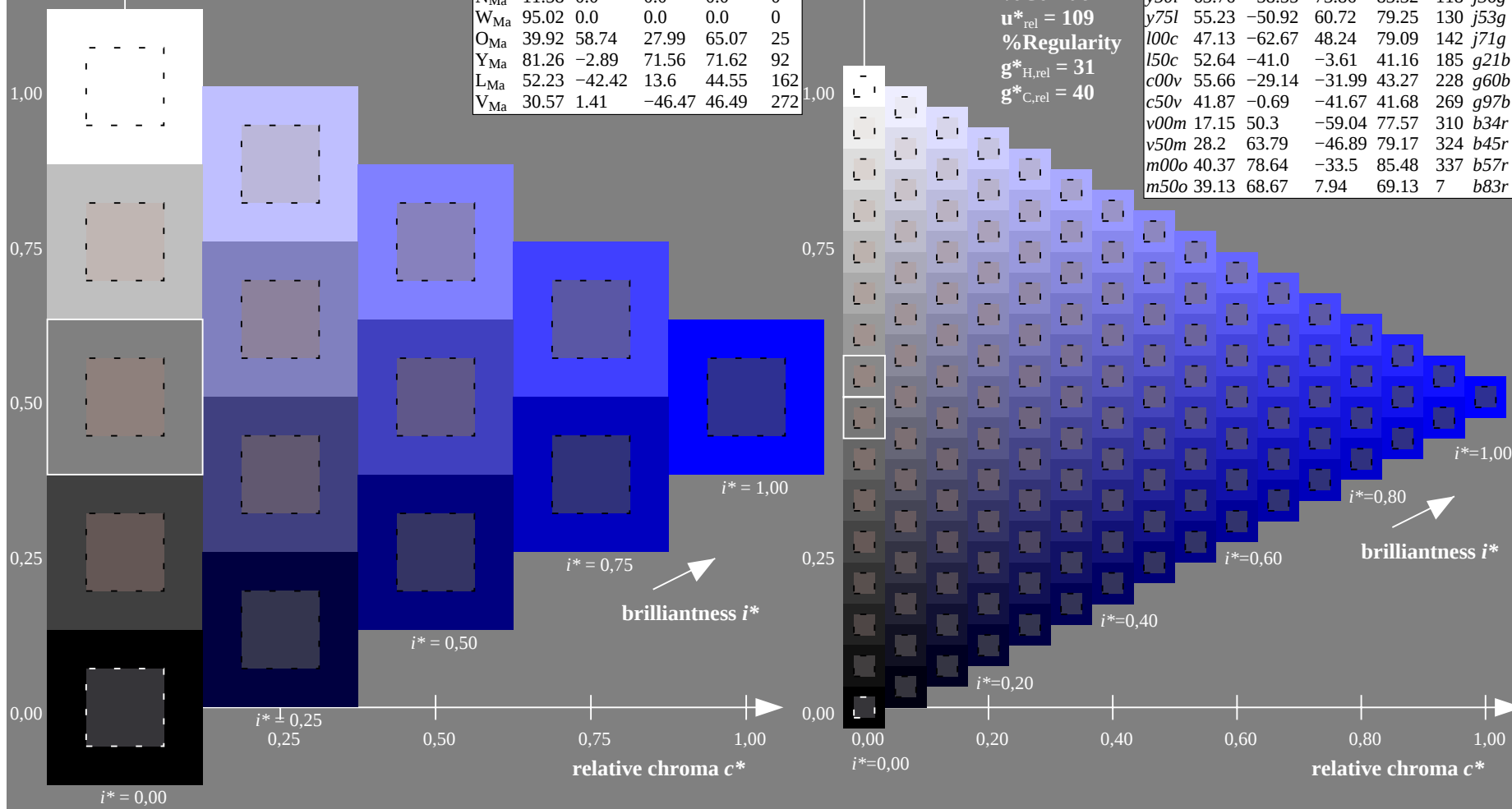
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	$r16j$
o25y	47.68	47.13	56.9	73.88	50	$r37j$
o50y	57.77	33.62	70.44	78.05	64	$r58j$
o75y	69.84	17.48	86.62	88.37	79	$r79j$
y00l	86.77	-5.17	109.32	109.44	93	$j01g$
y25l	73.71	-24.12	89.19	92.39	105	$j18g$
y50l	63.76	-38.55	73.86	83.32	118	$j36g$
y75l	55.23	-50.92	60.72	79.25	130	$j53g$
l00c	47.13	-62.67	48.24	79.09	142	$j71g$
l50c	52.64	-41.0	-3.61	41.16	185	$g21b$
c00v	55.66	-29.14	-31.99	43.27	228	$g60b$
c50v	41.87	-0.69	-41.67	41.68	269	$g97b$
v00m	17.15	50.3	-59.04	77.57	310	$b34r$
v50m	28.2	63.79	-46.89	79.17	324	$b45r$
m00o	40.37	78.64	-33.5	85.48	337	$b57r$
m50o	39.13	68.67	7.94	69.13	7	$b83r$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

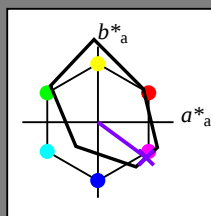
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	38.06	60.0	44.0	74.4	36
YMa	86.77	-5.17	109.32	109.44	93
LMa	47.13	-62.67	48.24	79.09	142
CMa	55.66	-29.14	-31.99	43.27	228
VMa	17.15	50.3	-59.04	77.57	310
MMa	40.37	78.64	-33.5	85.48	337
NMa	11.58	0.0	0.0	0.0	0
WMa	95.02	0.0	0.0	0.0	0
OMa	39.92	58.74	27.99	65.07	25
YMa	81.26	-2.89	71.56	71.62	92
LMa	52.23	-42.42	13.6	44.55	162
VMa	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

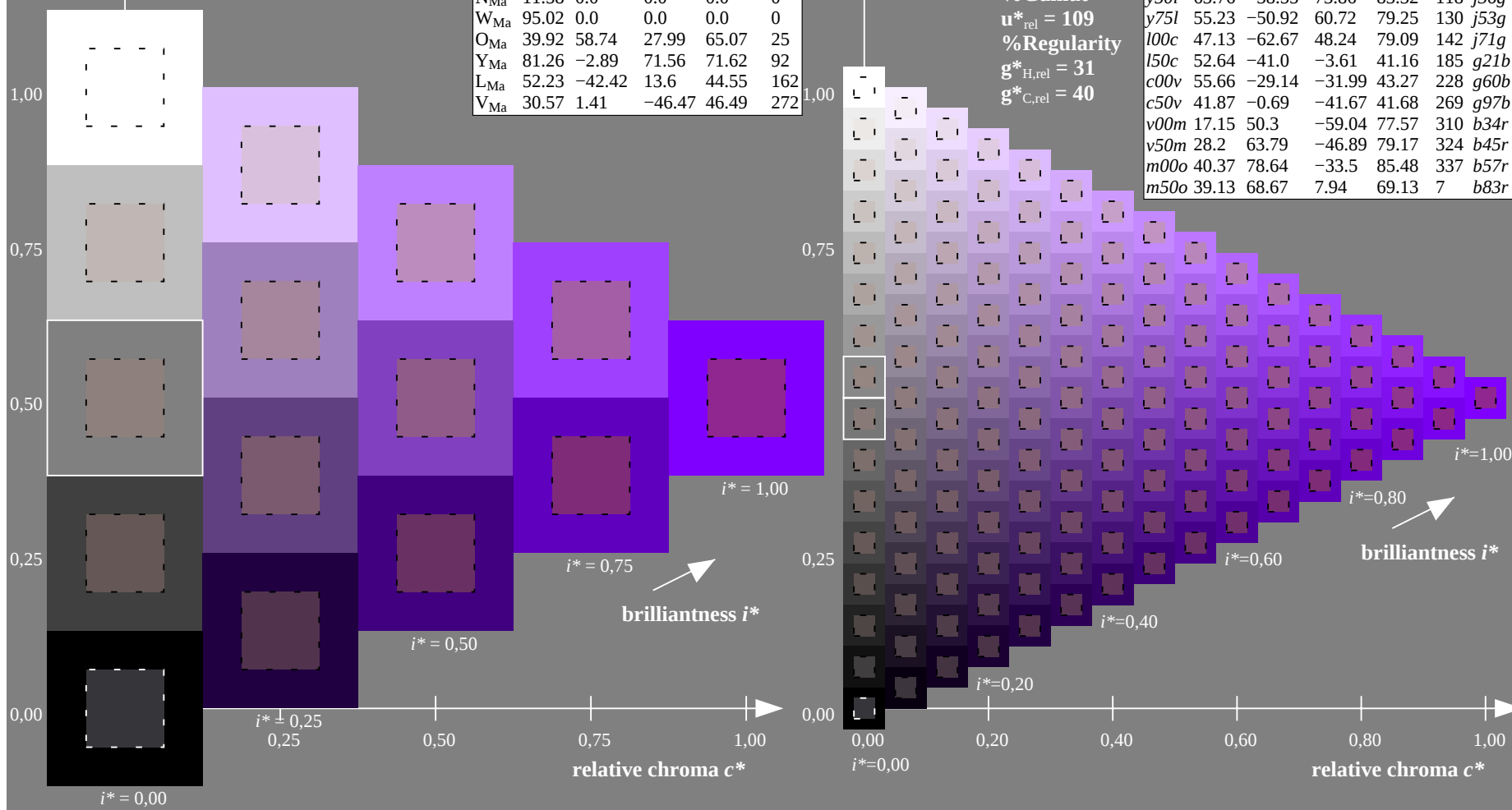
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

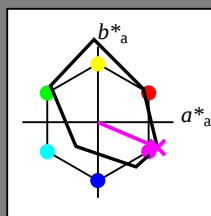
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

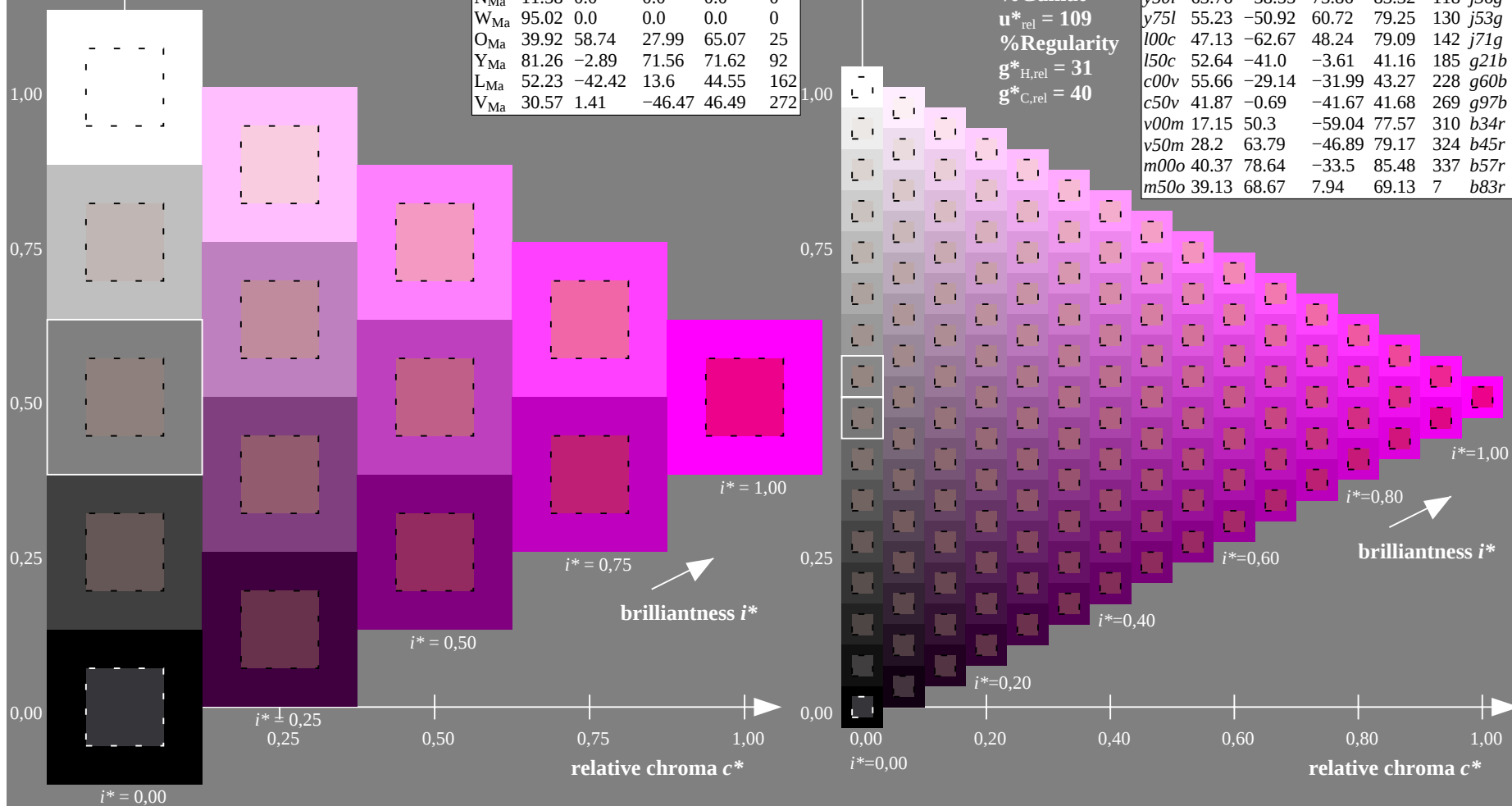
%Regularity

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

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

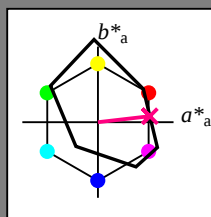
FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

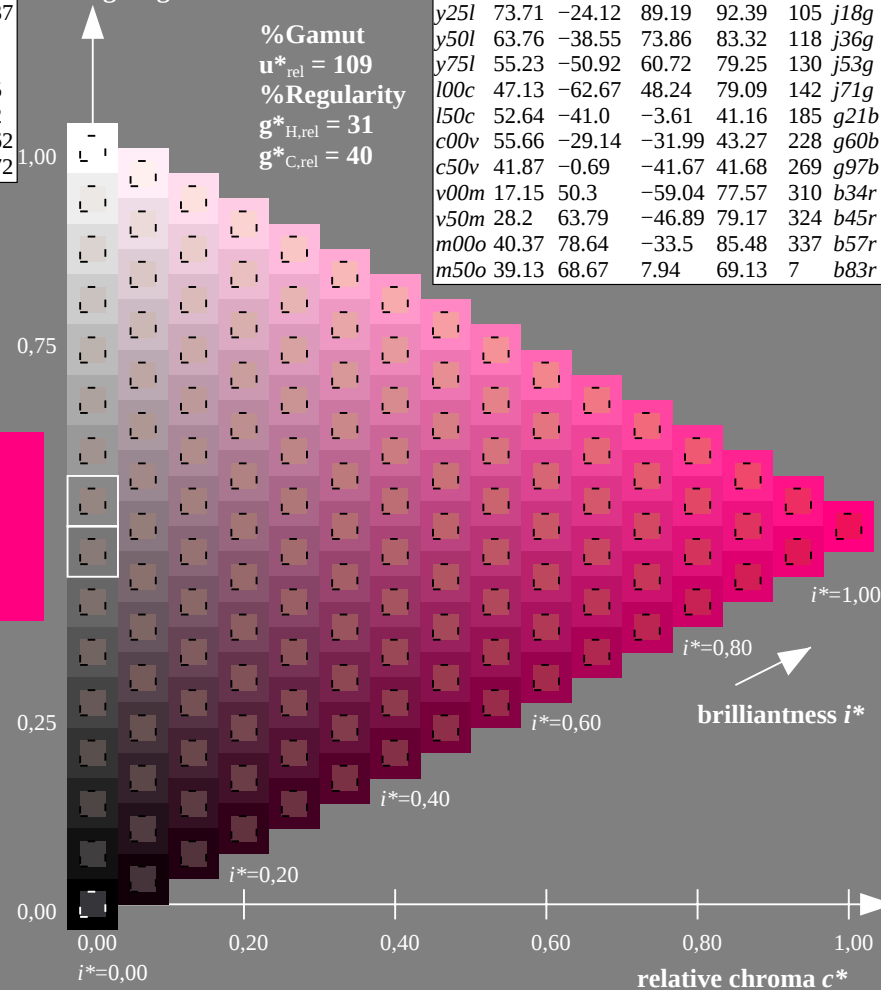
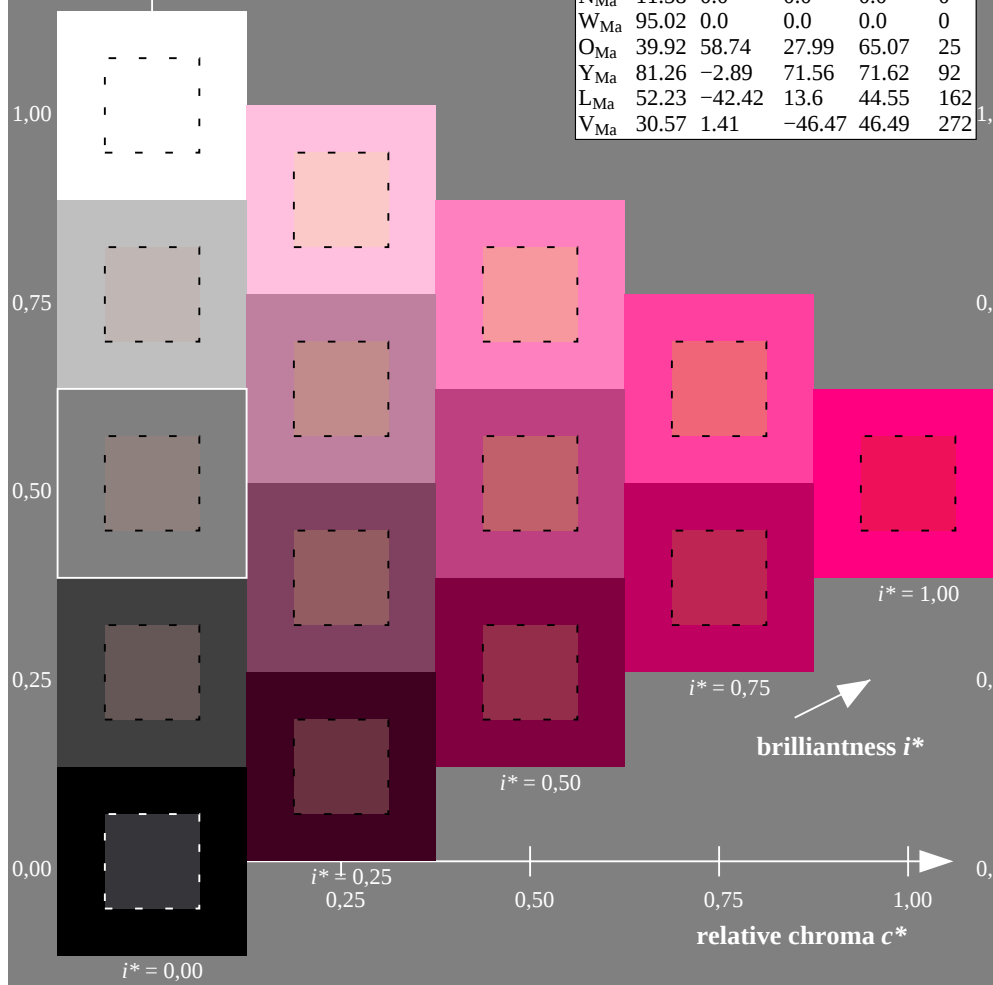
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8
 $LAB^*LCH^*_{Ma}$: 39 69 6
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.5
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

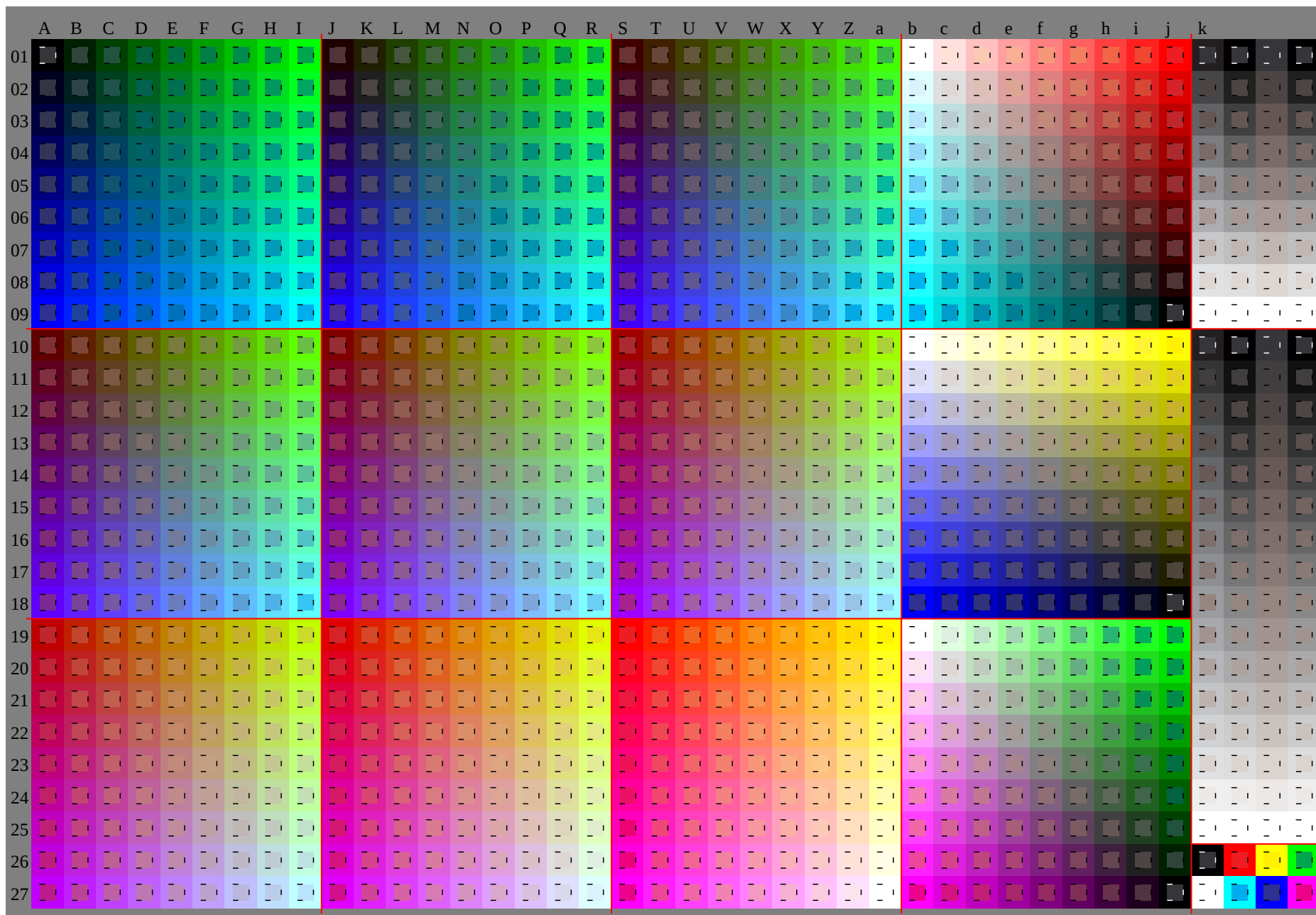
triangle lightness t^*

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/.HTML
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

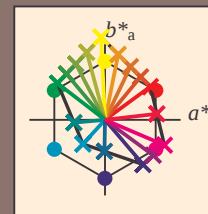


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number *no.* = 00 .. 15
device hue text:
 $u^*_d = 16$ hues *o00y*, *o25y*, ..., *m50o*
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>



%Gamut

$u^*_{rel} = 109$

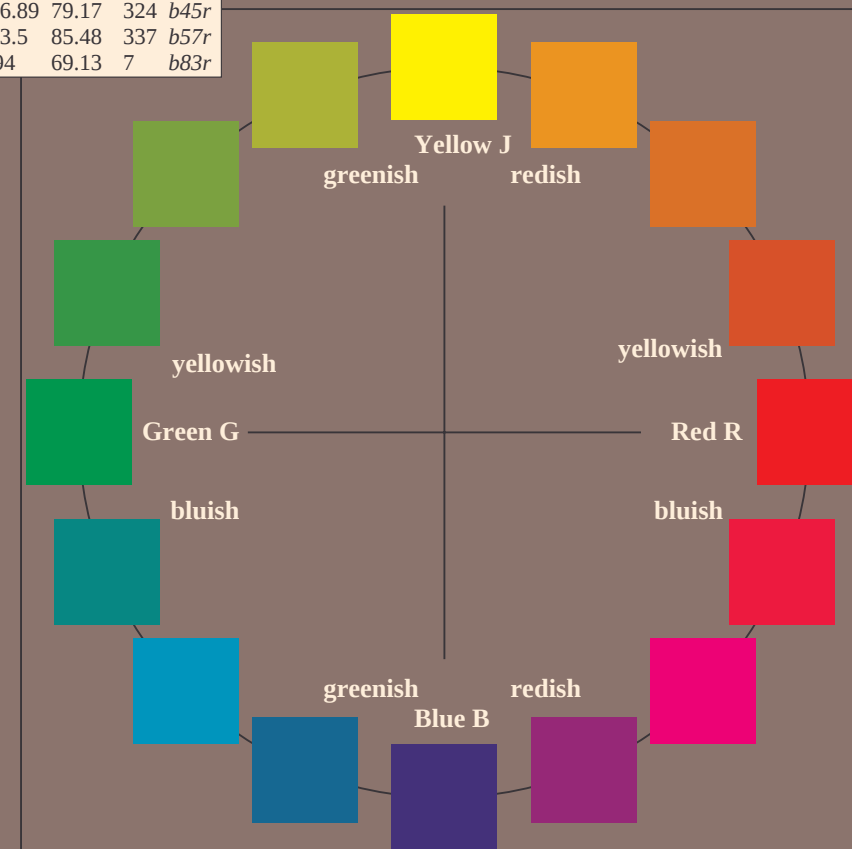
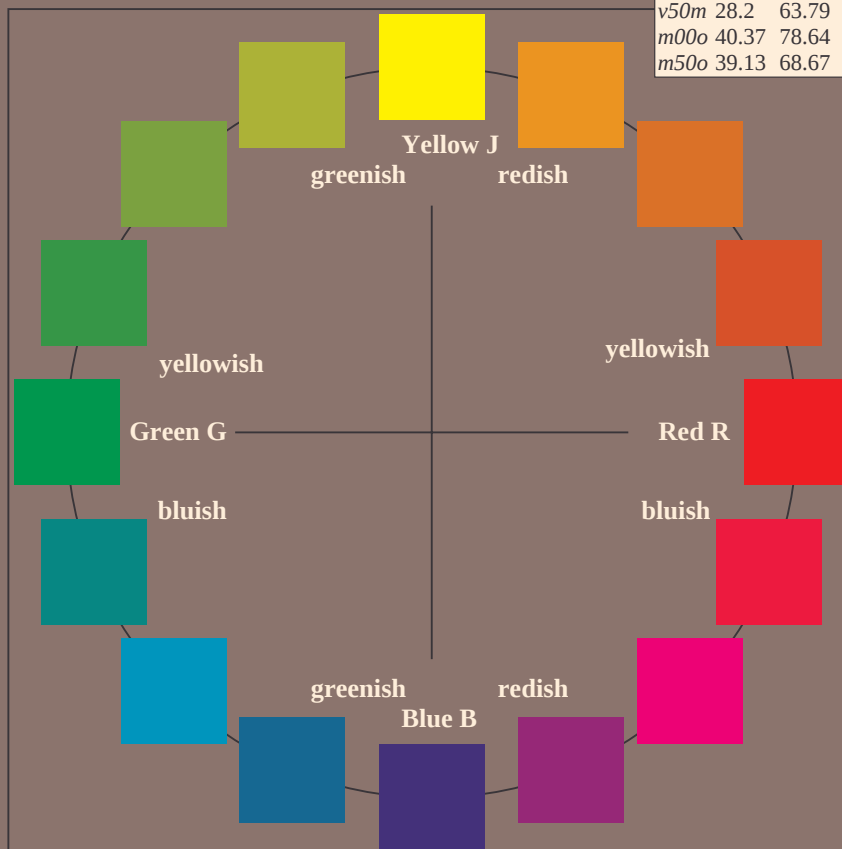
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	25
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

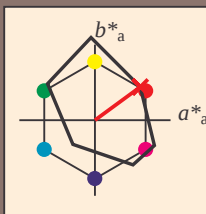
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 60 44

$LAB^*LCH^*_{Ma}$: 38 74 36

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

$lab^*rgb^*_{Ma}$: 1.0 0.16 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

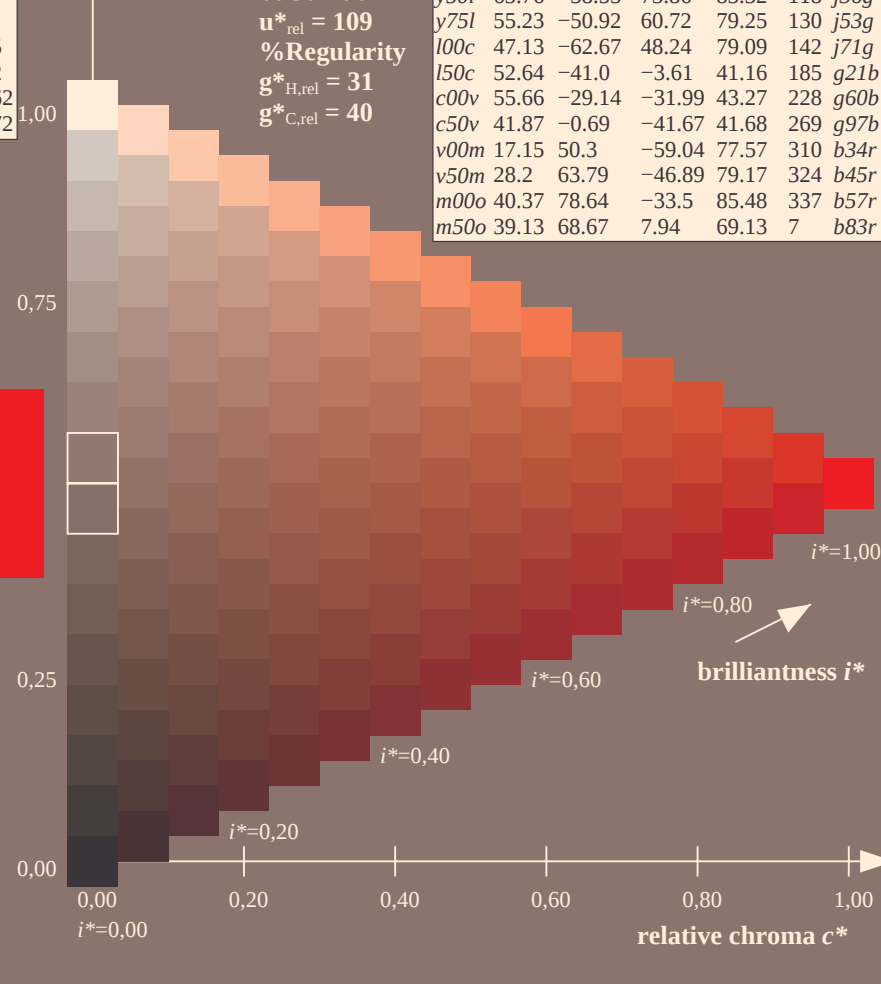
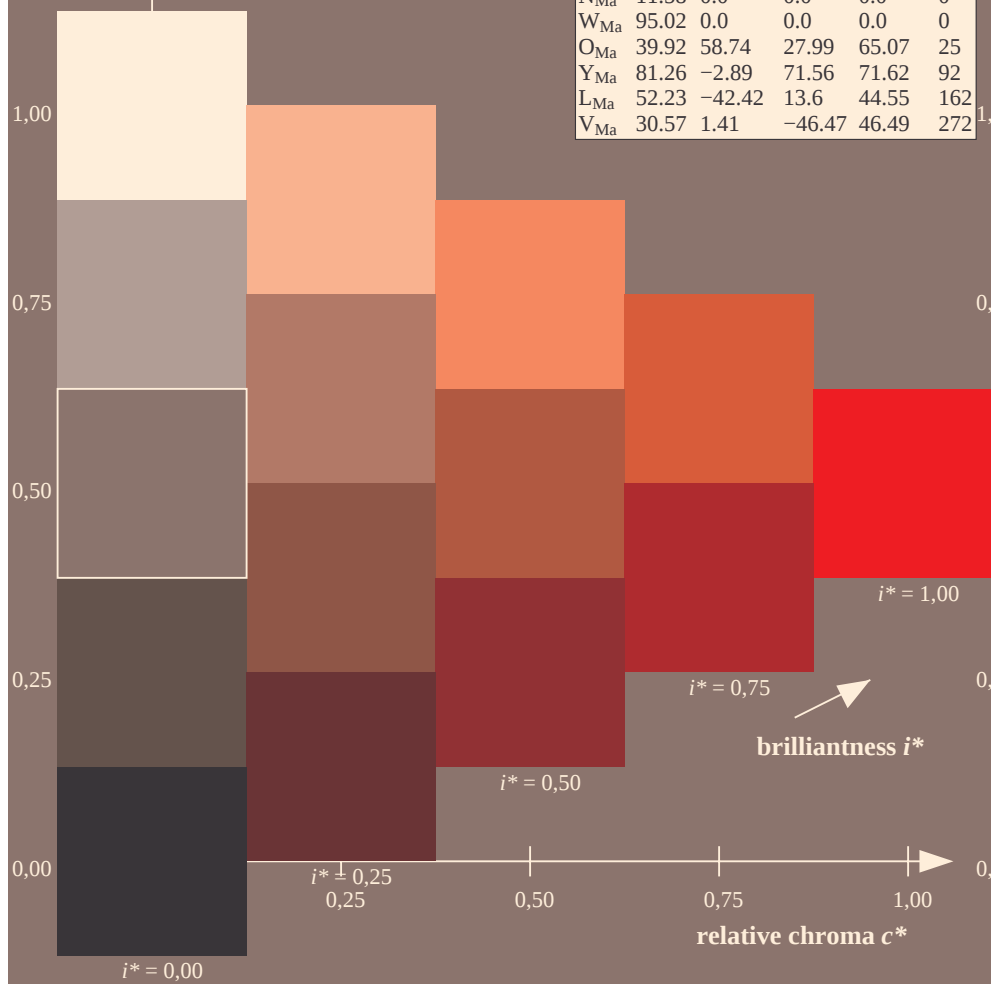
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

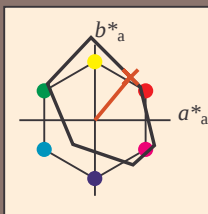
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

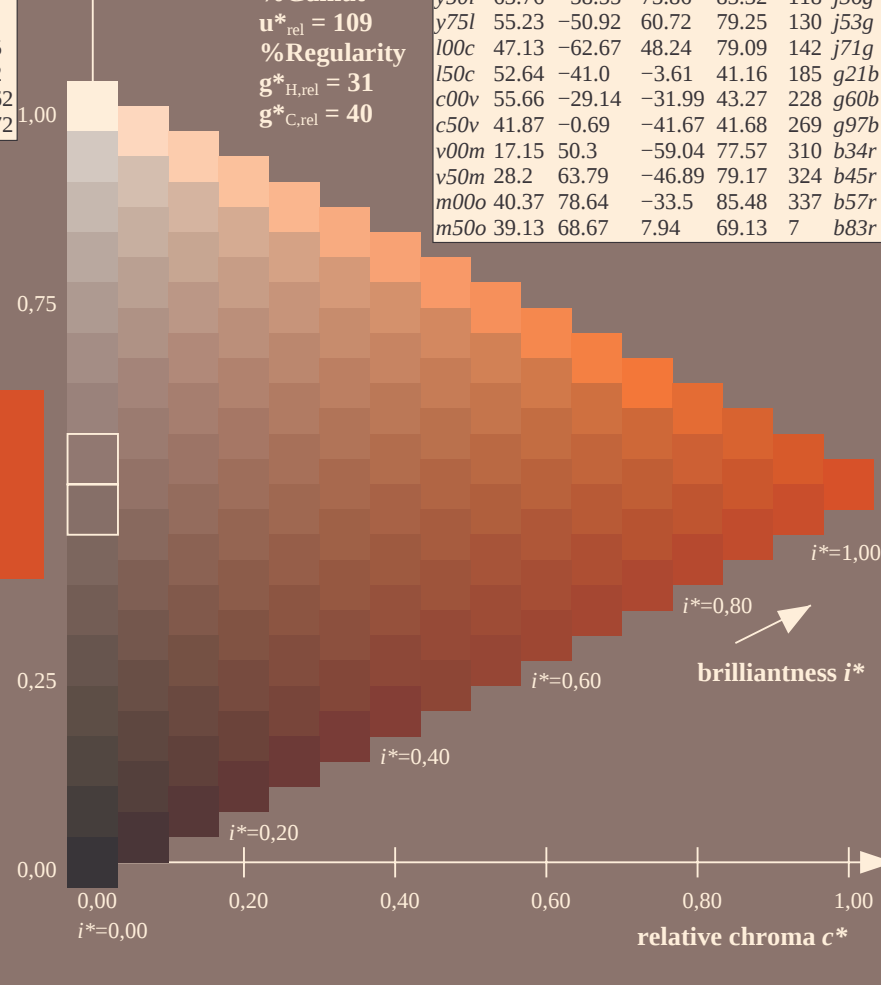
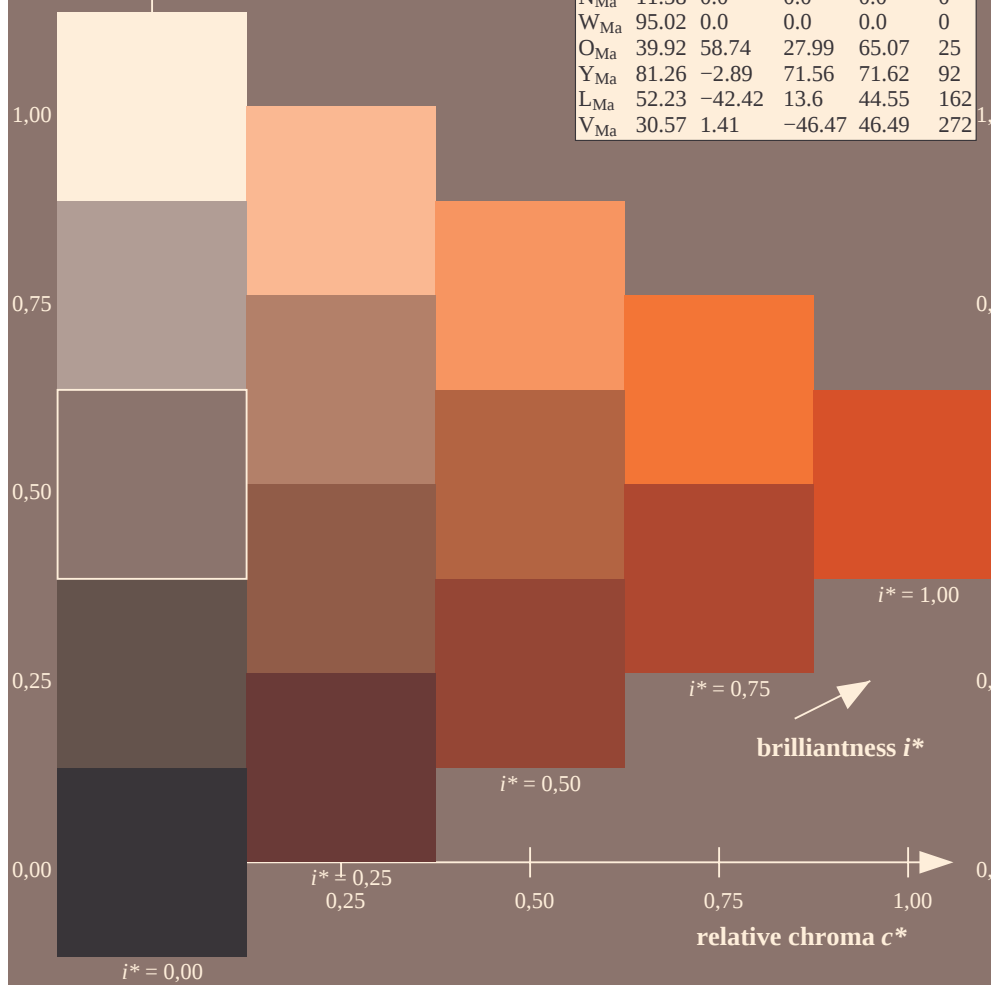
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

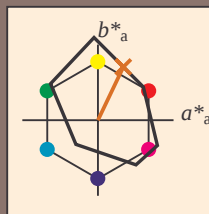
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

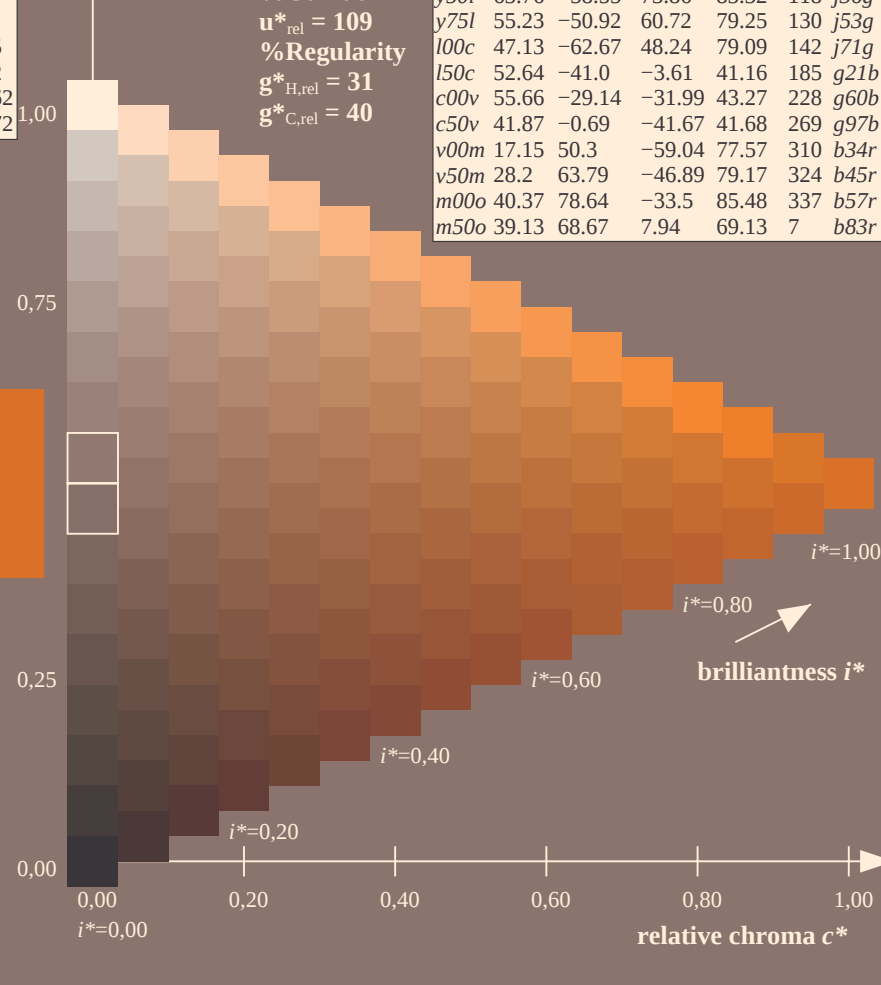
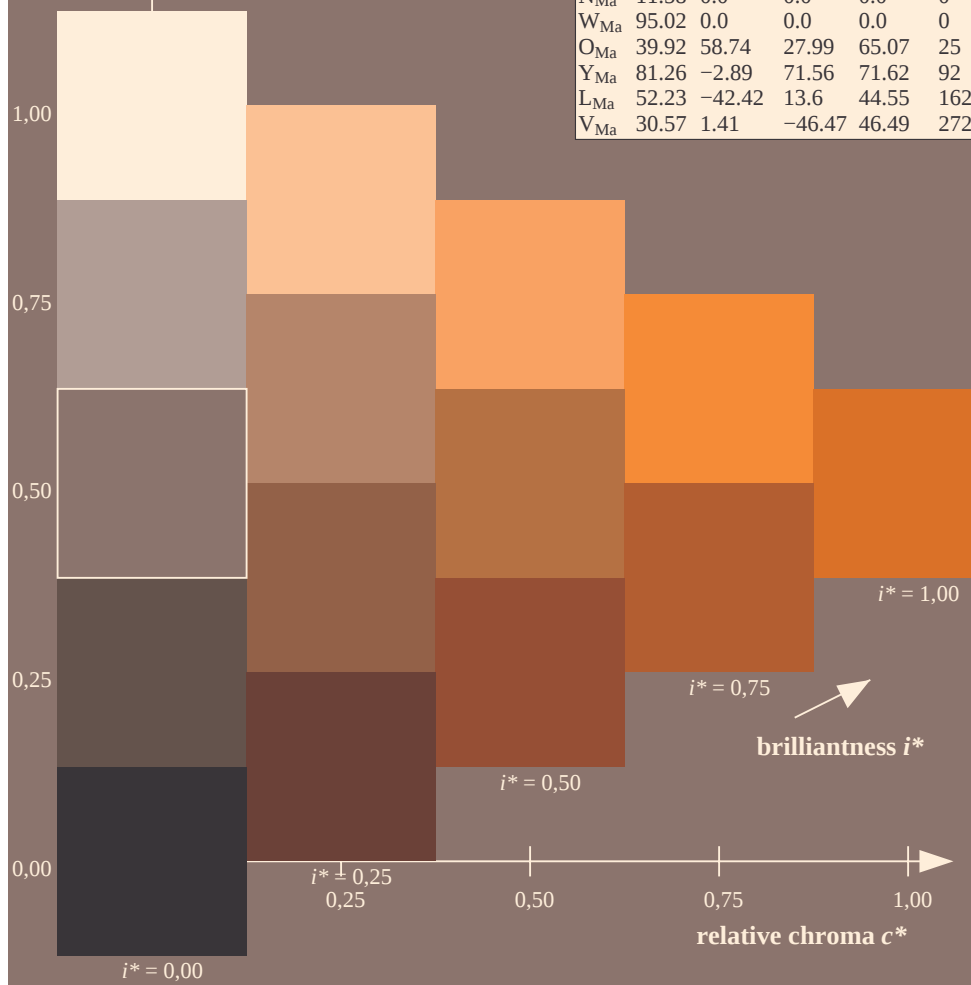
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

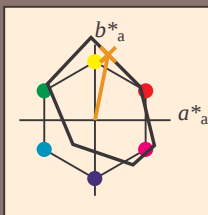
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

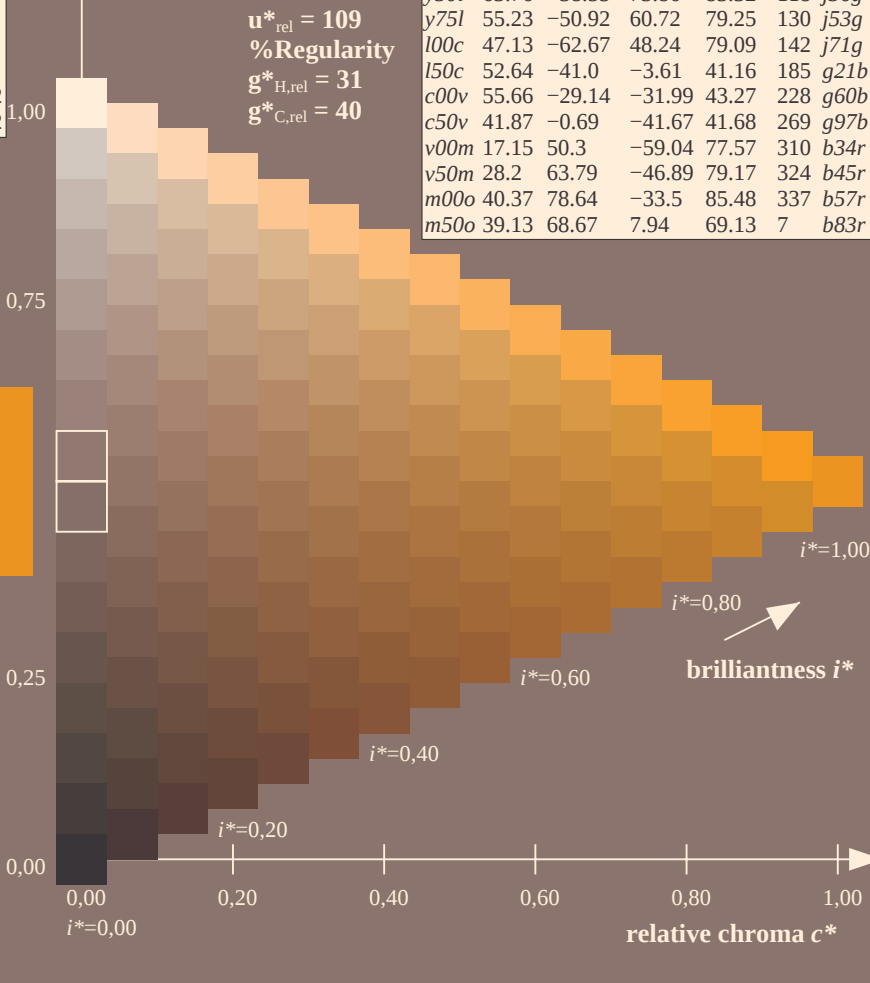
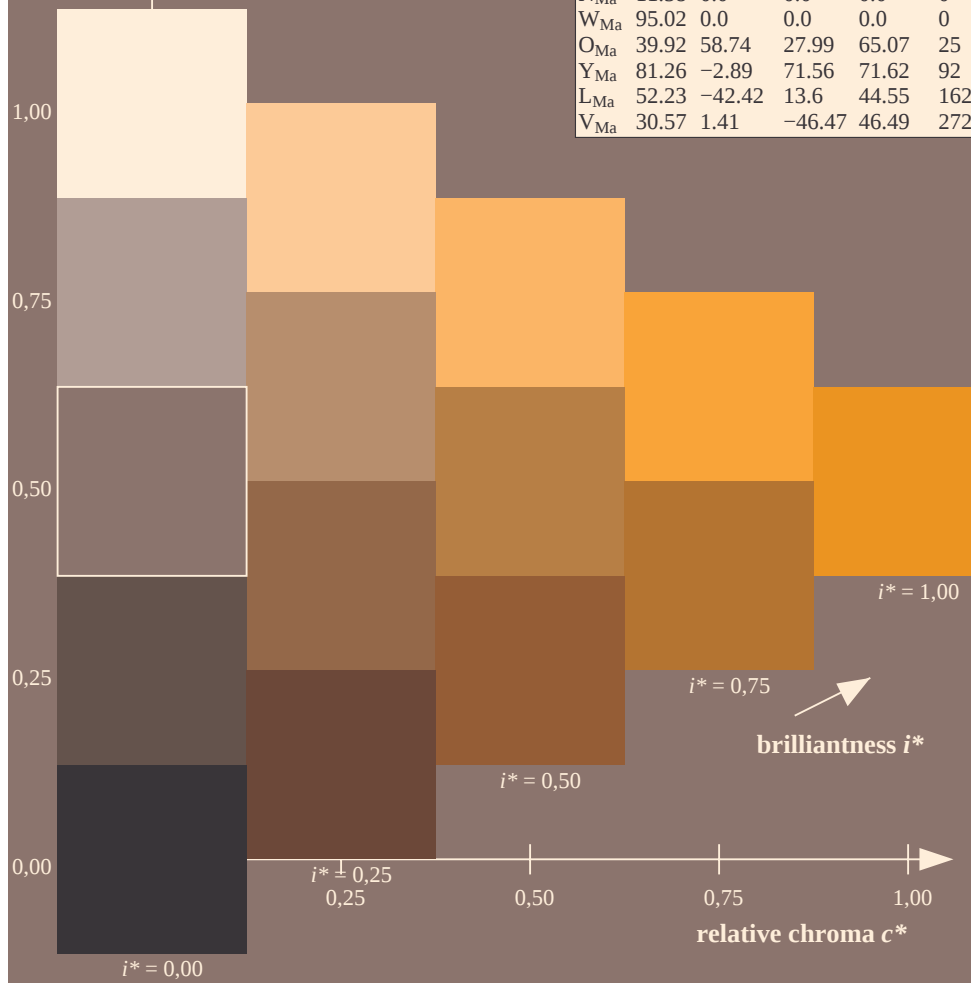
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

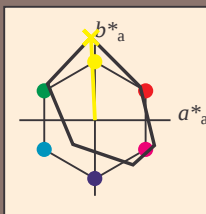
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

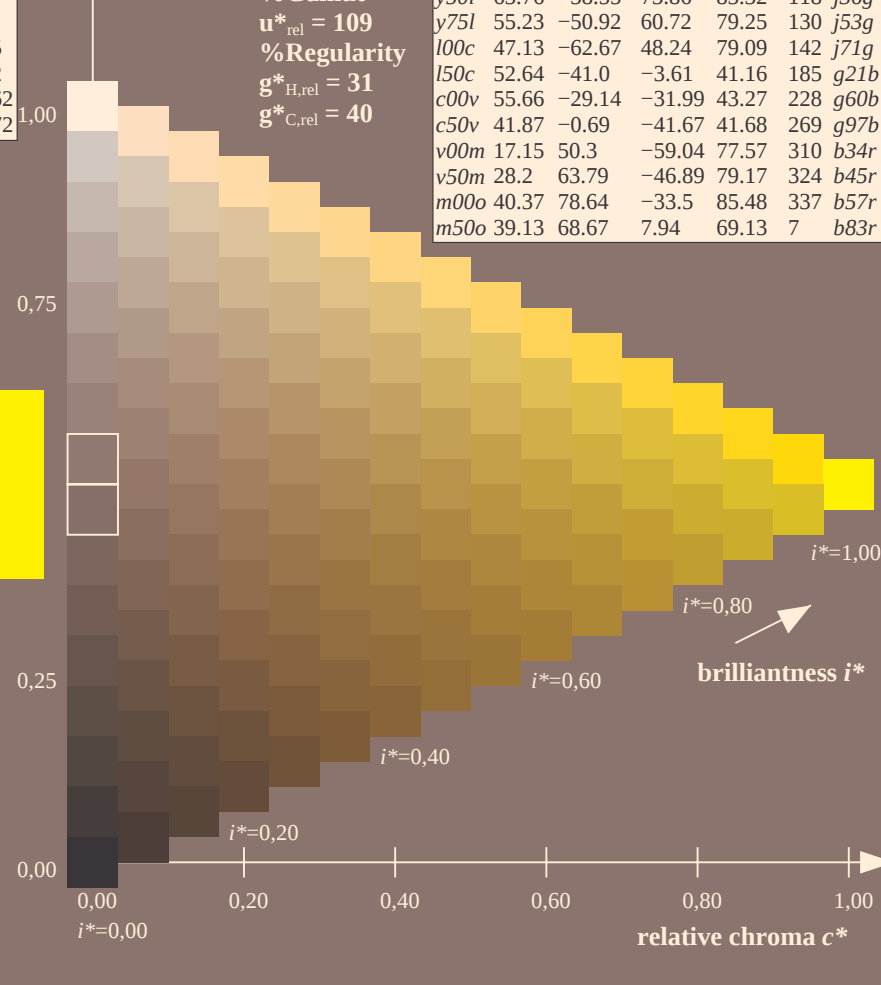
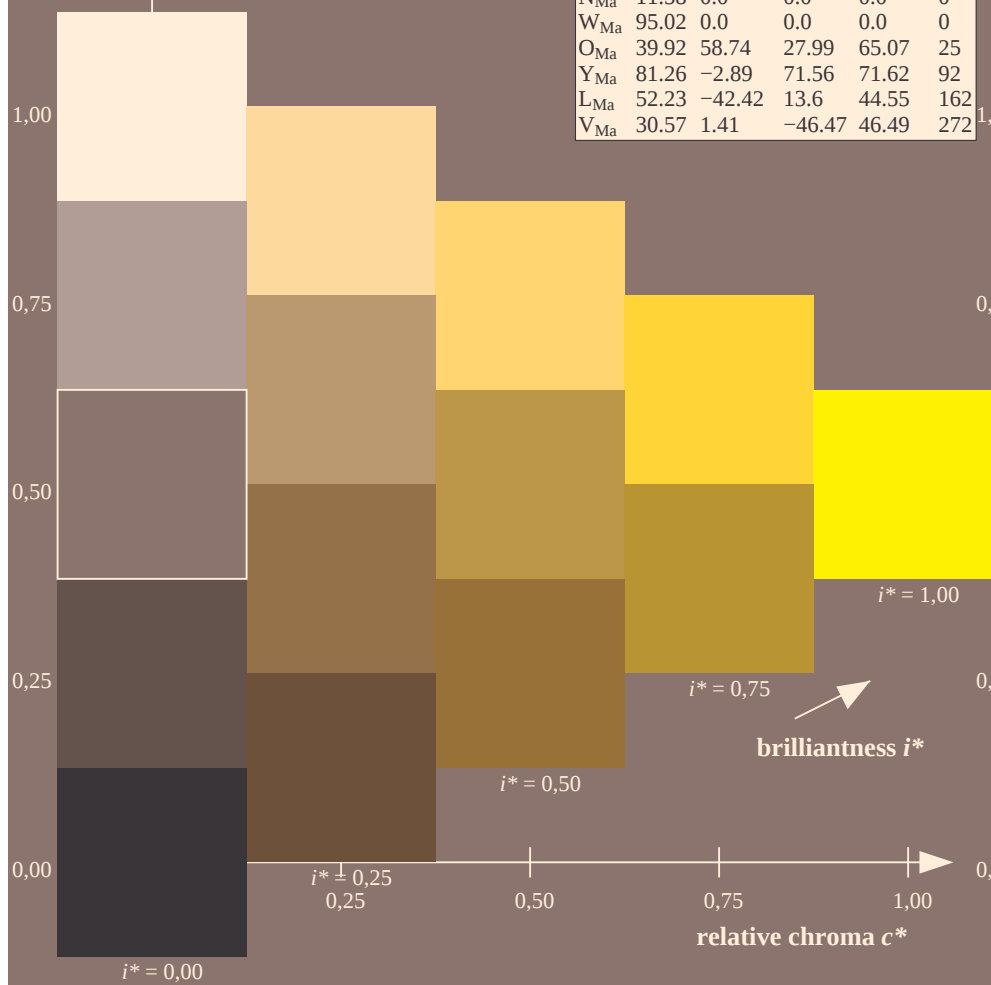
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

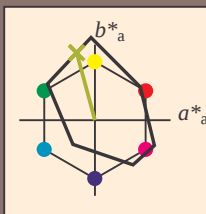
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

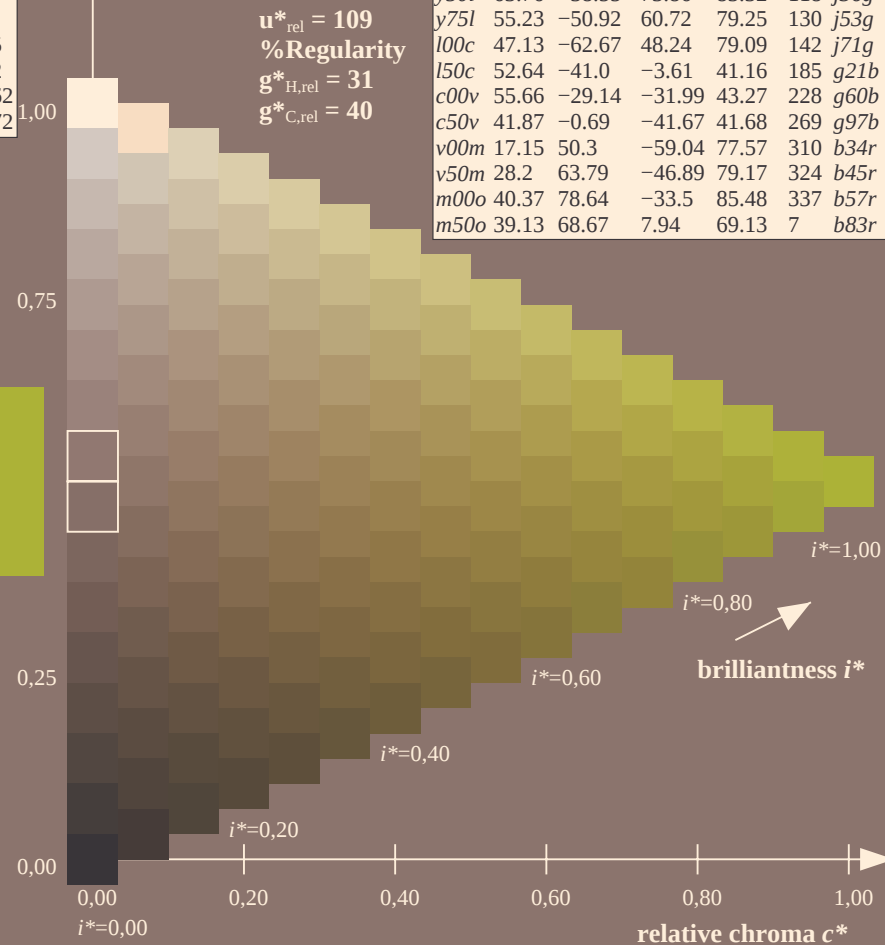
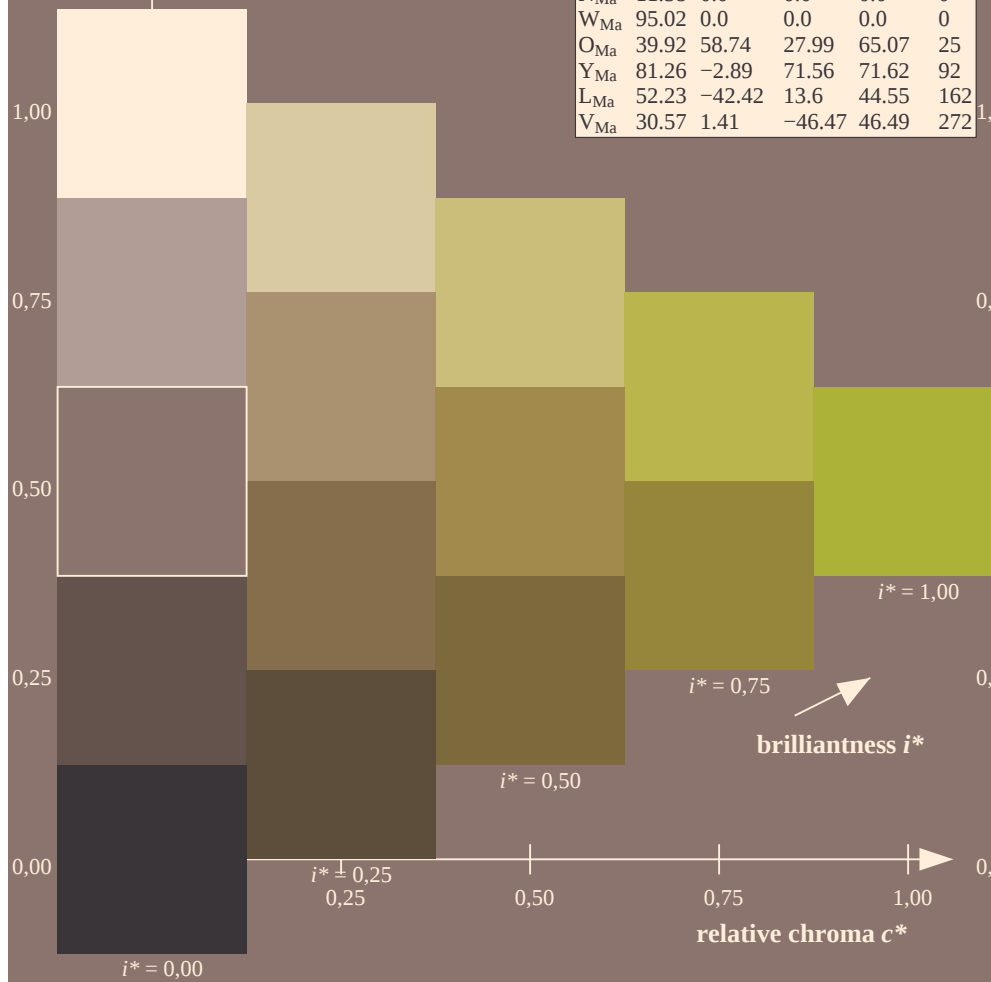
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

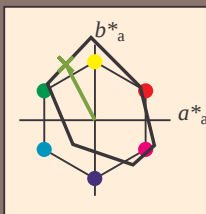
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

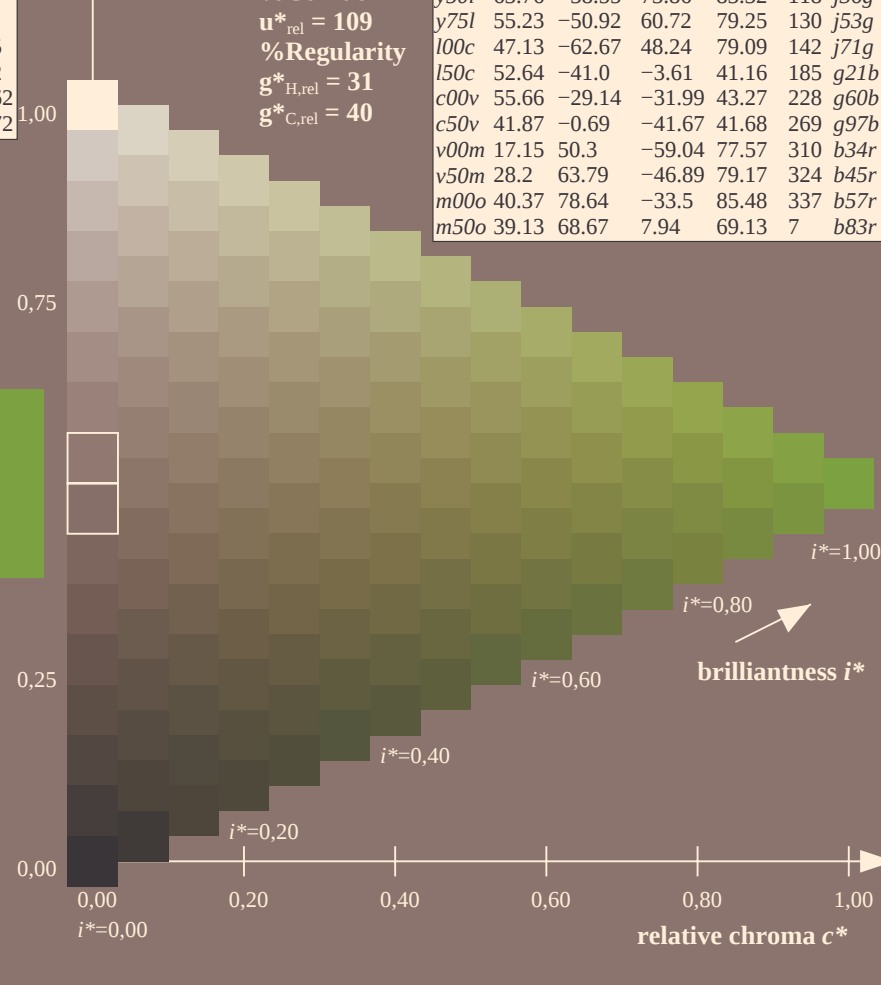
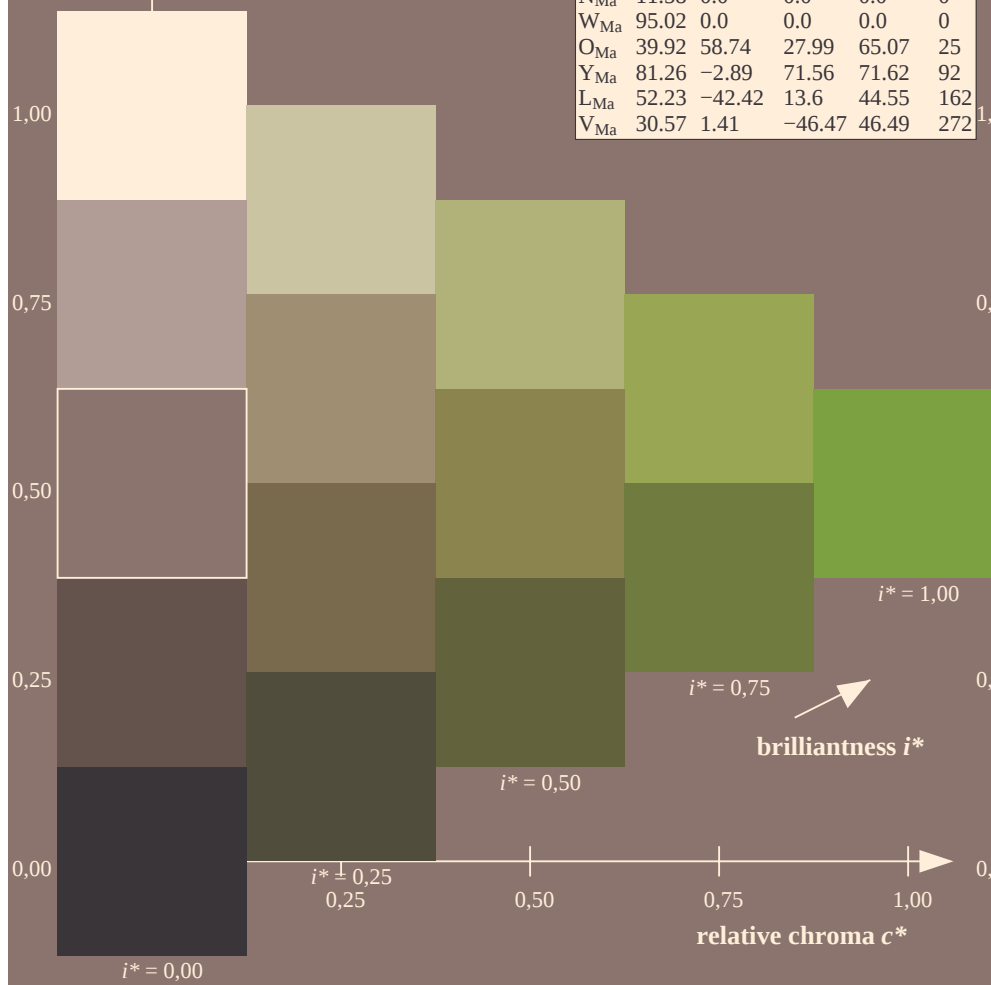
%Regularity

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

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

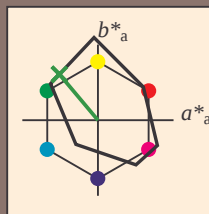
FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = y75l$ $u^*_e = j53g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

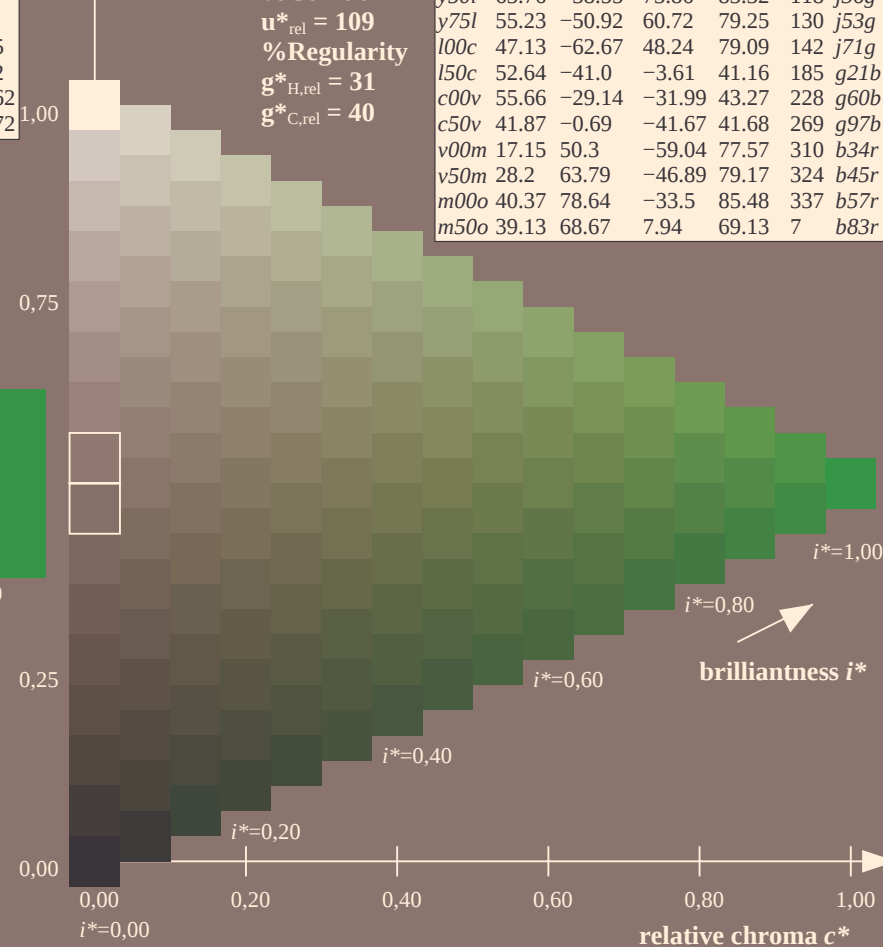
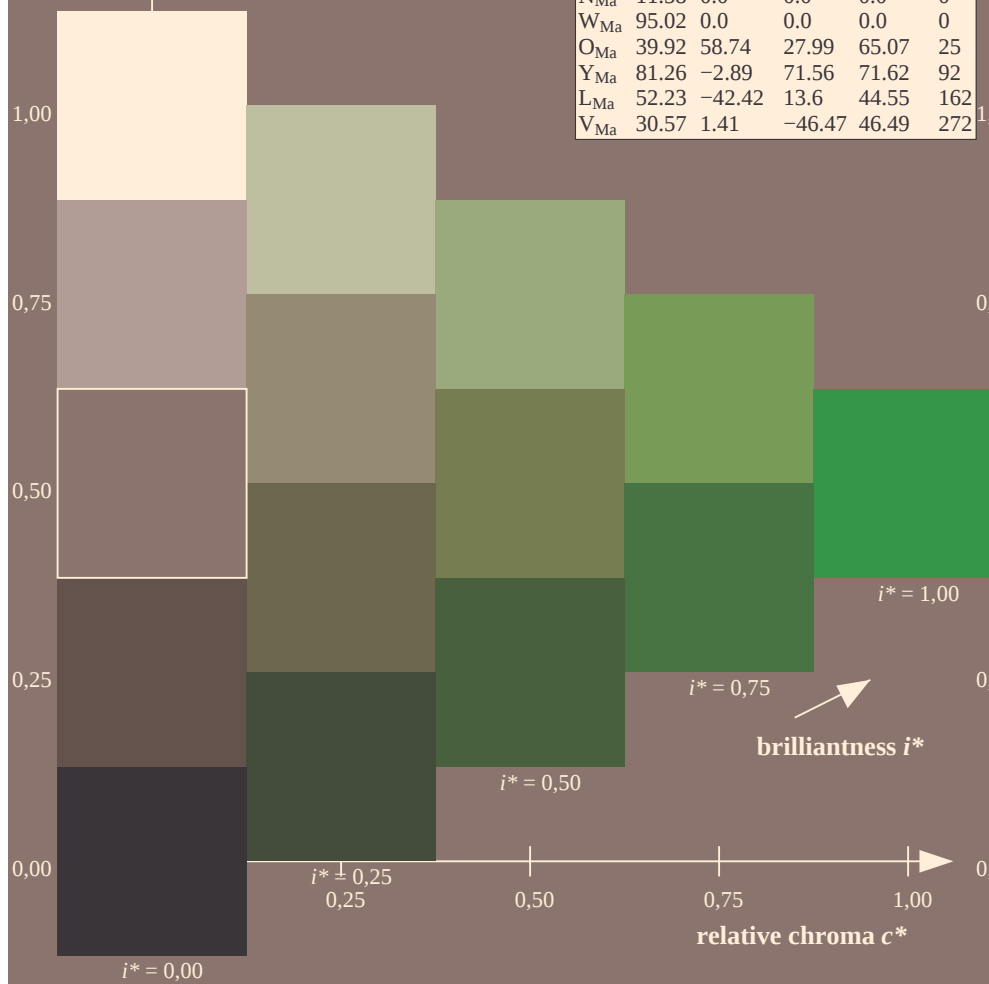
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

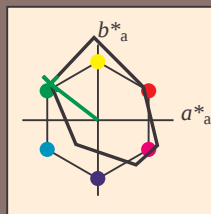
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

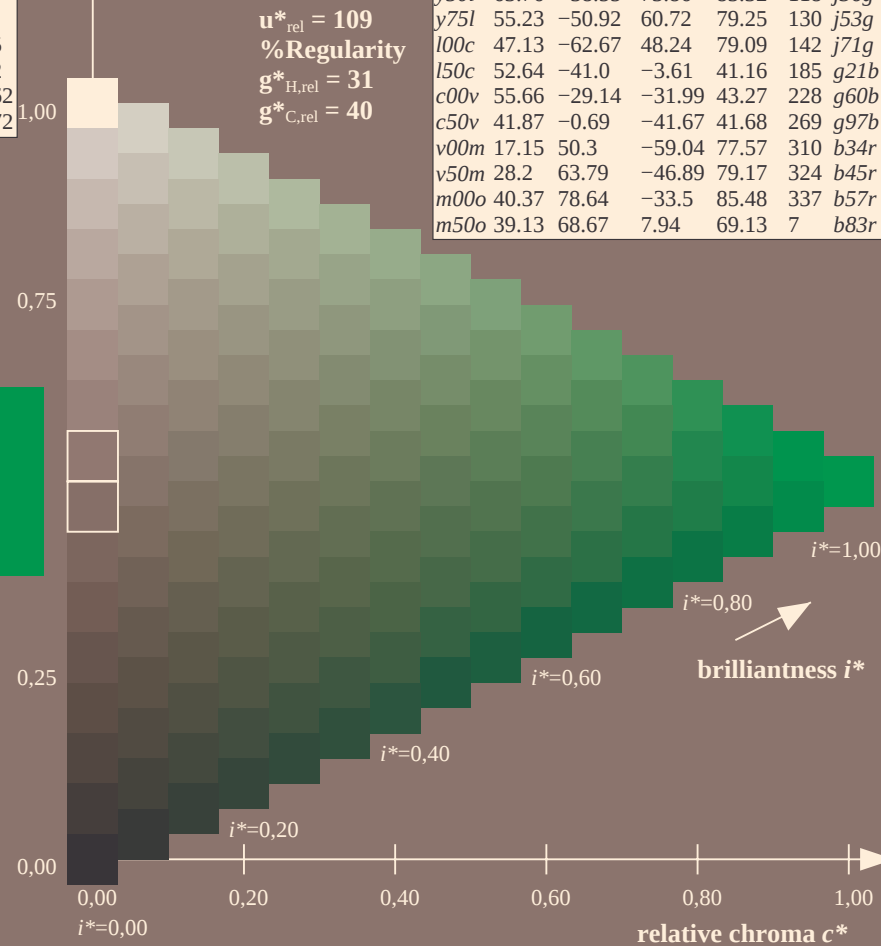
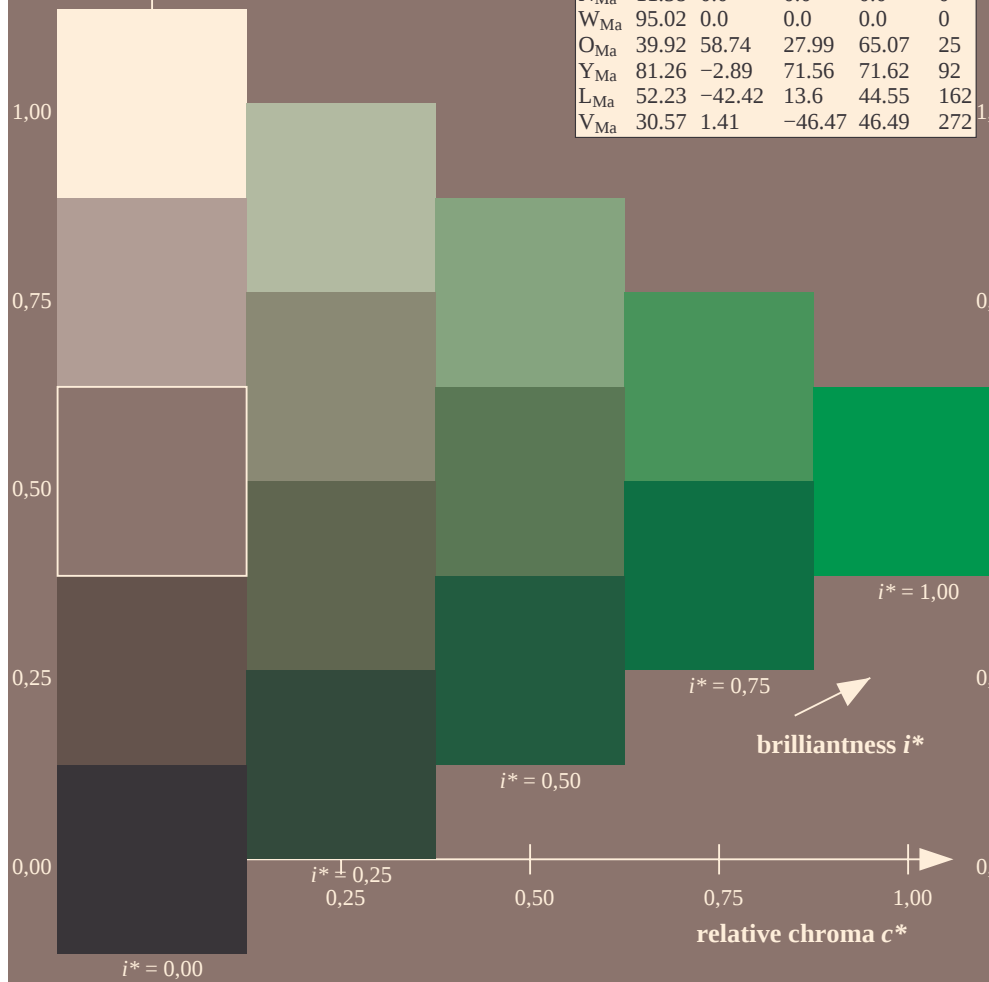
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

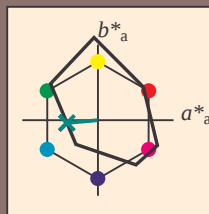
Hue texts:

$u^*_d = l50c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

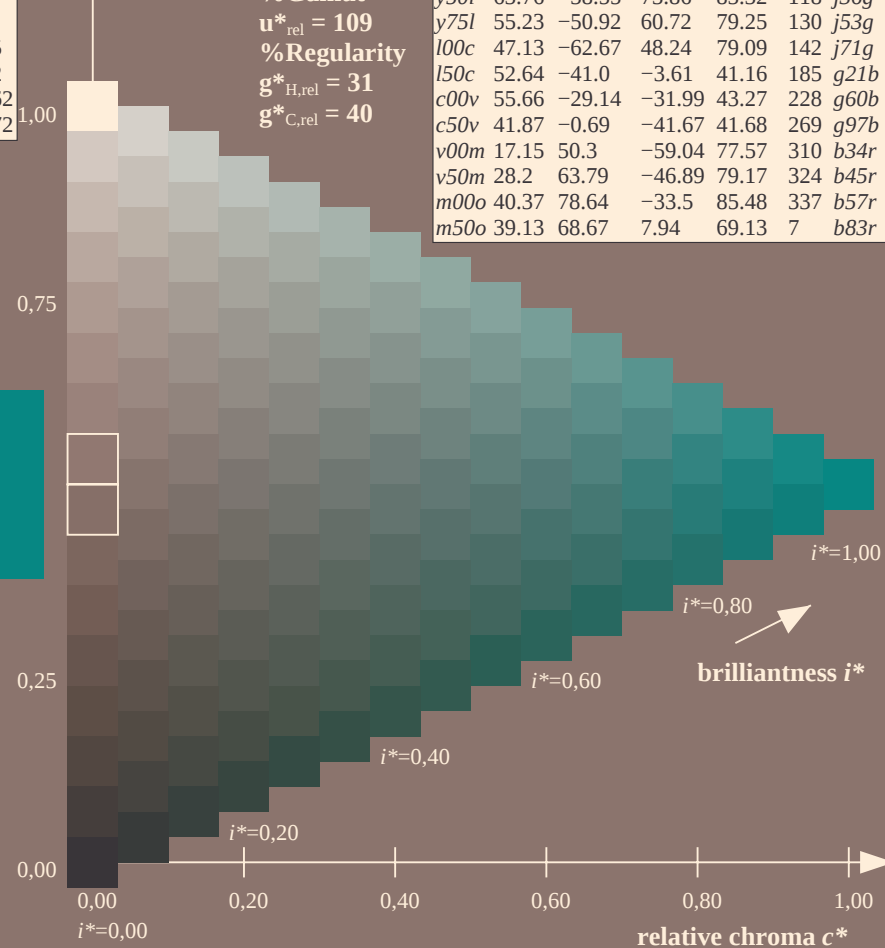
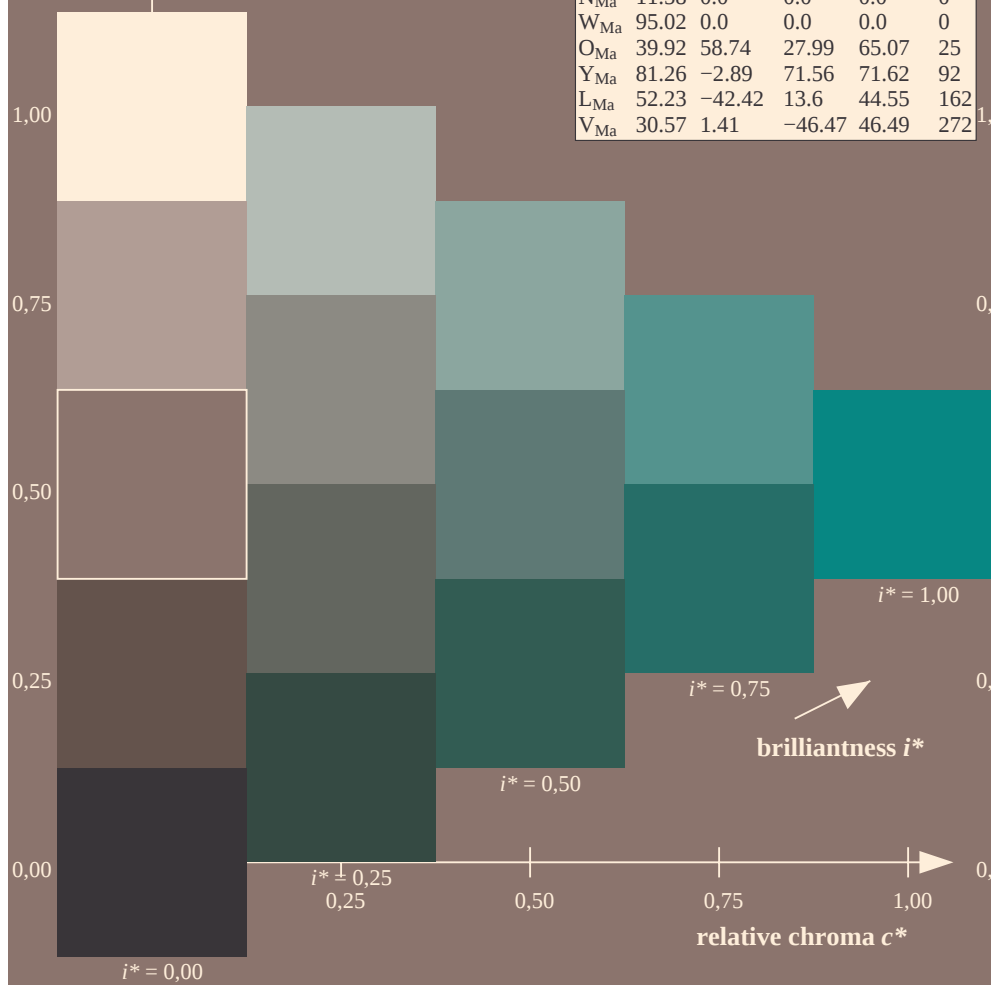
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

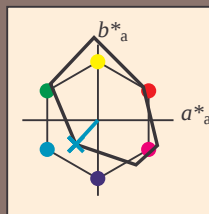
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

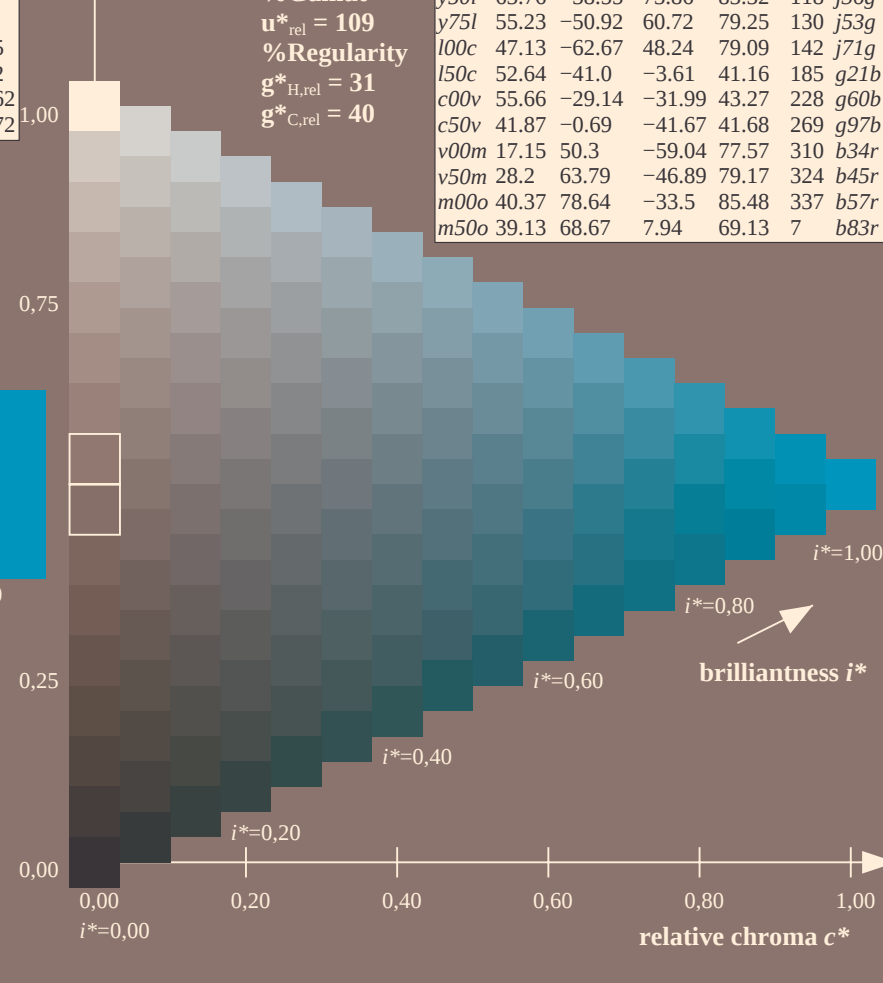
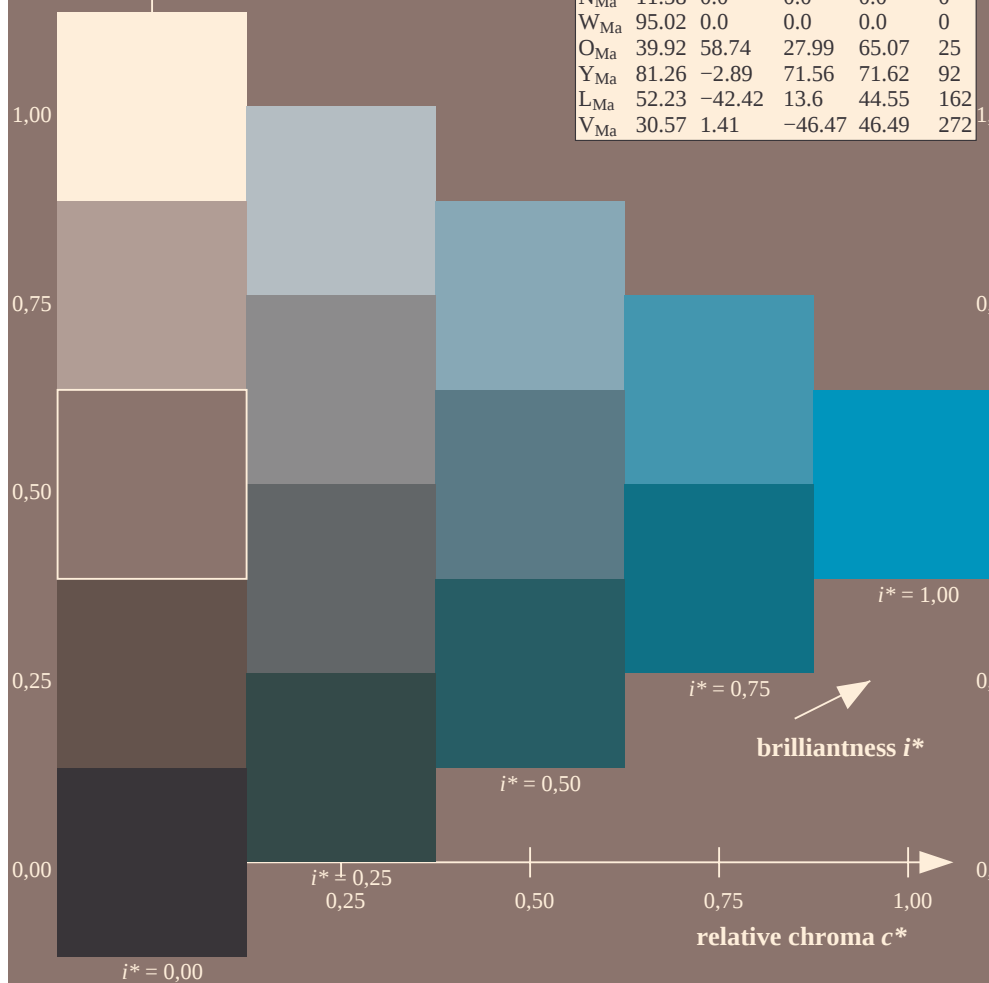
%Regularity

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

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

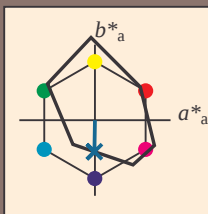
FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c50v$ $u^*_e = g97b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

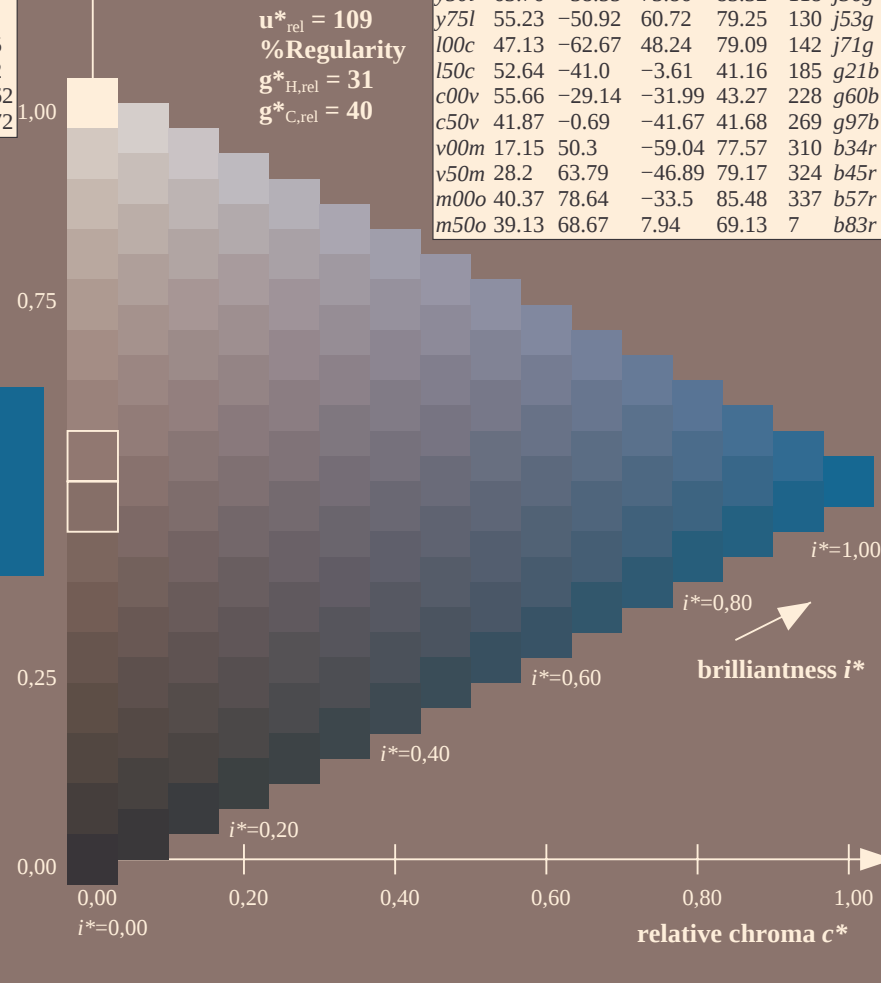
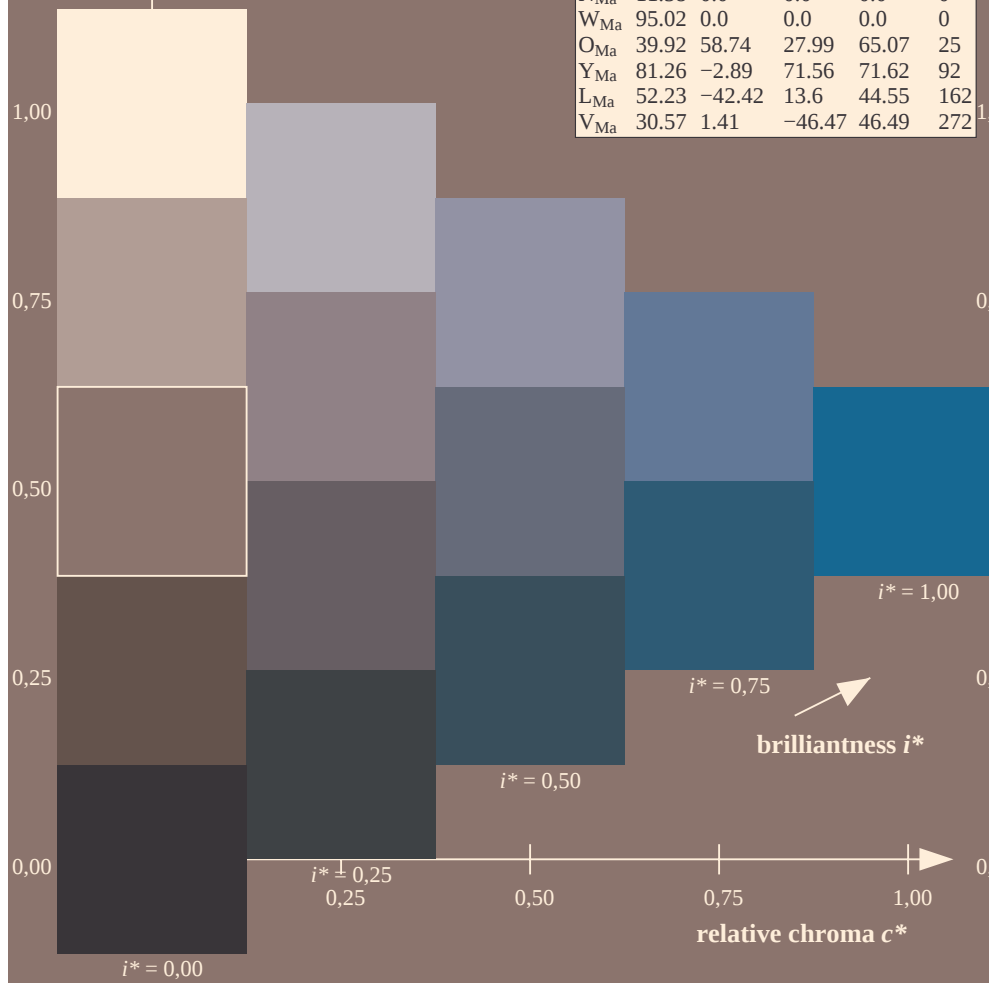
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

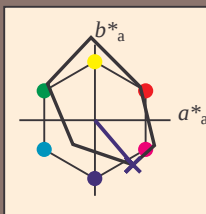
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

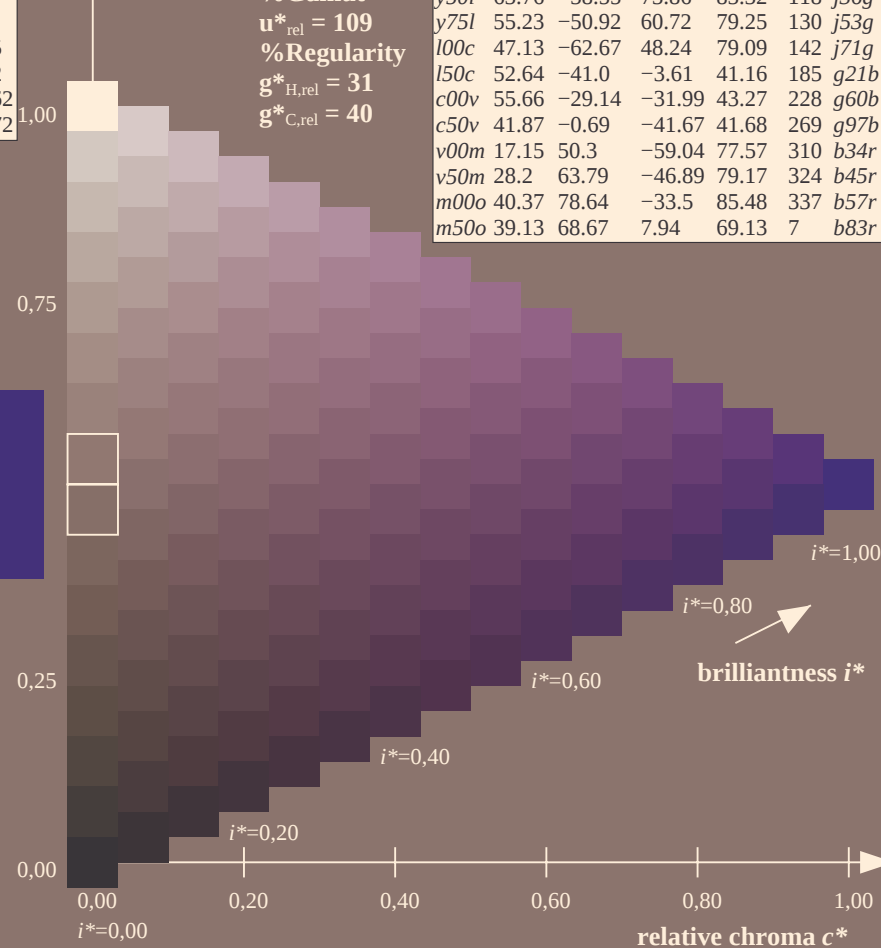
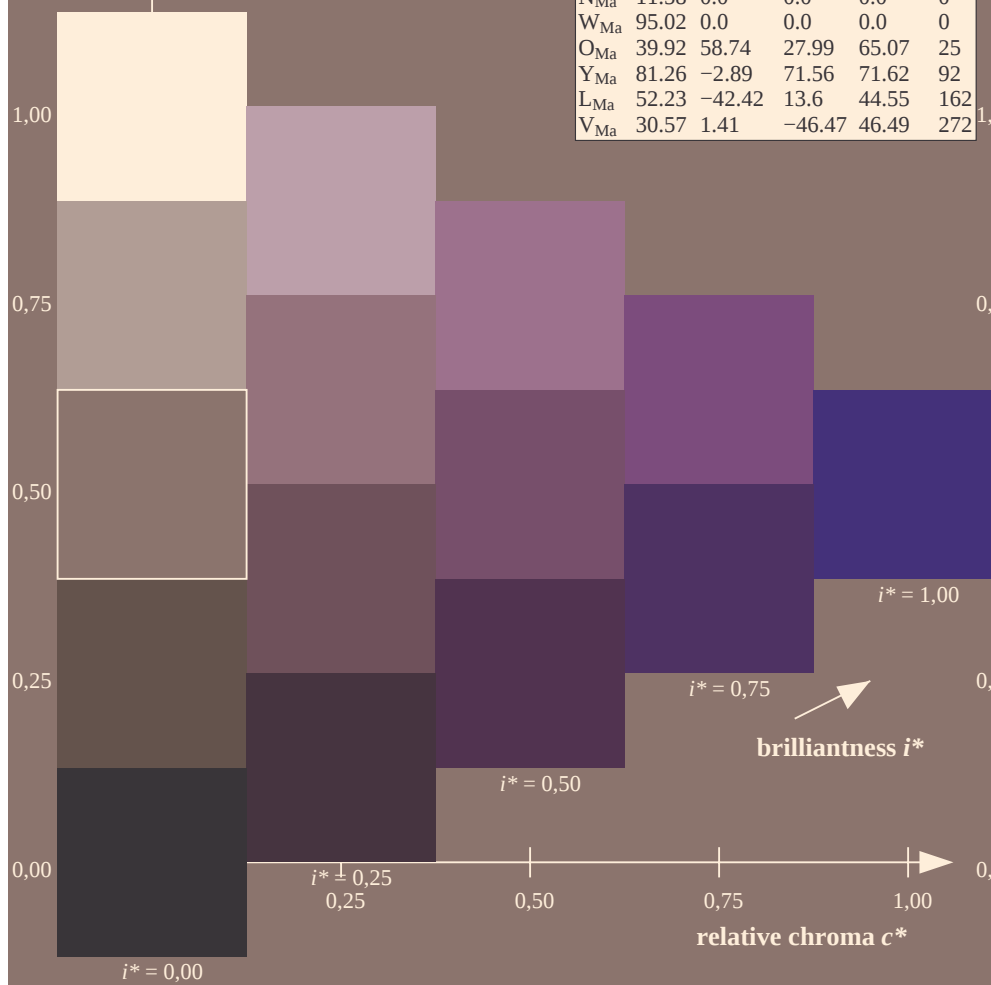
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

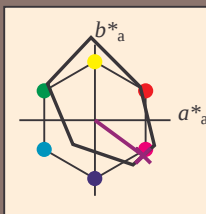
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

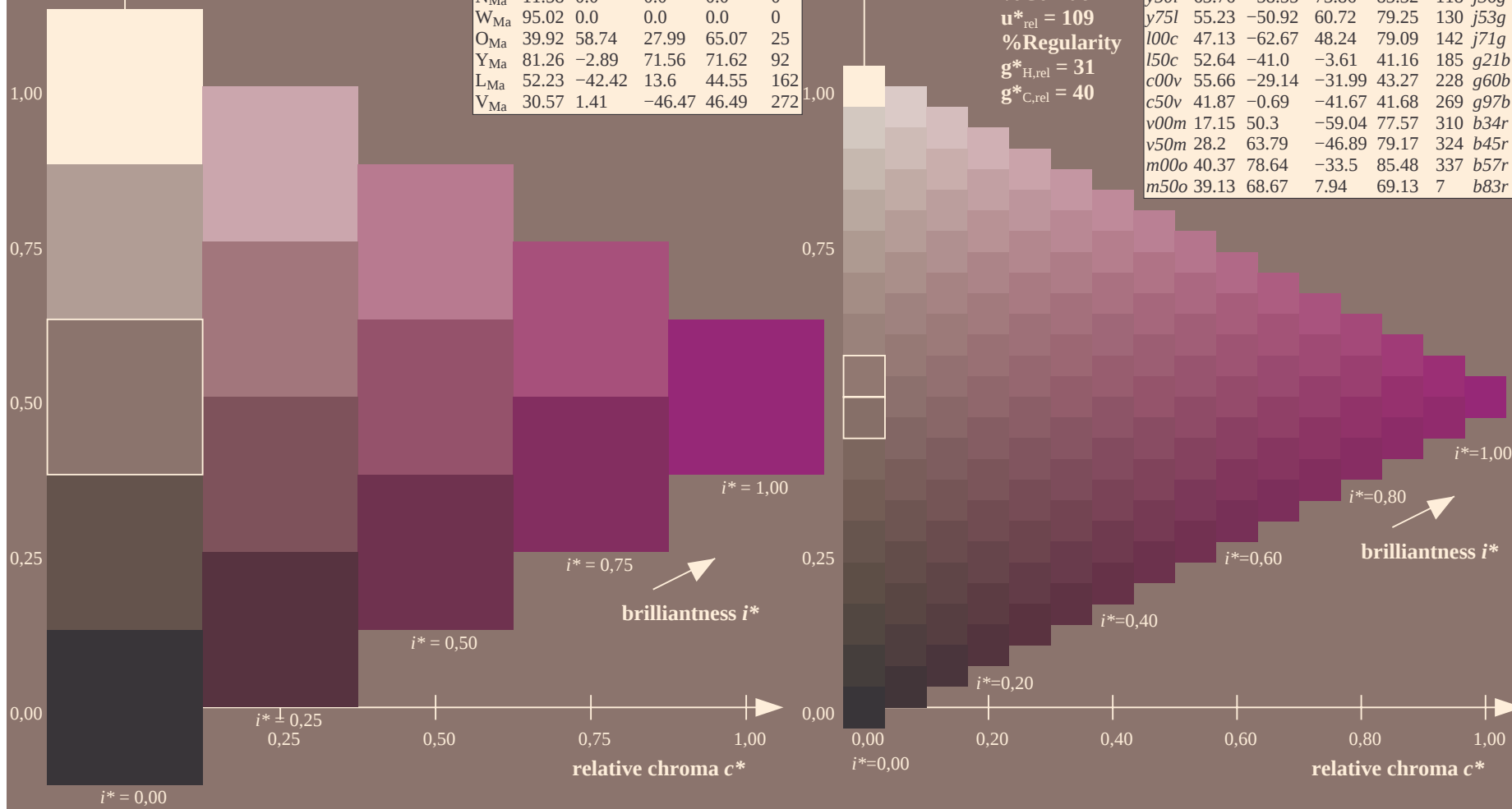
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

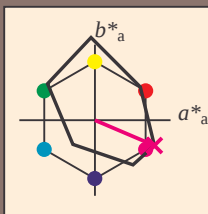
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

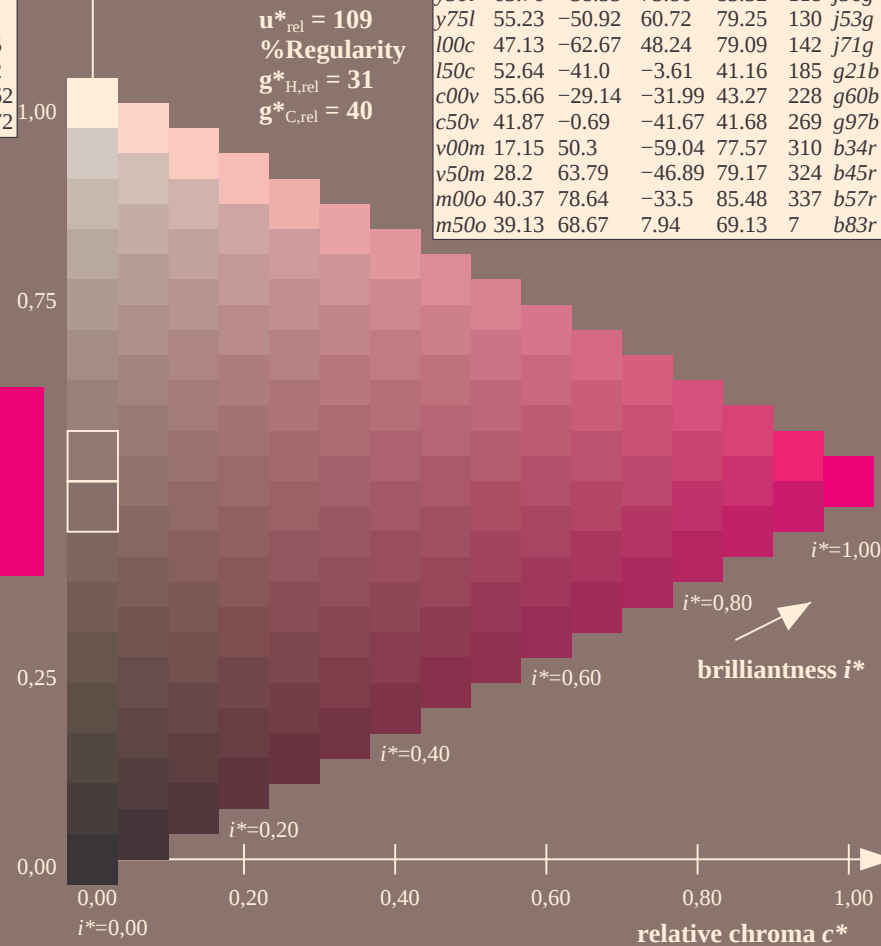
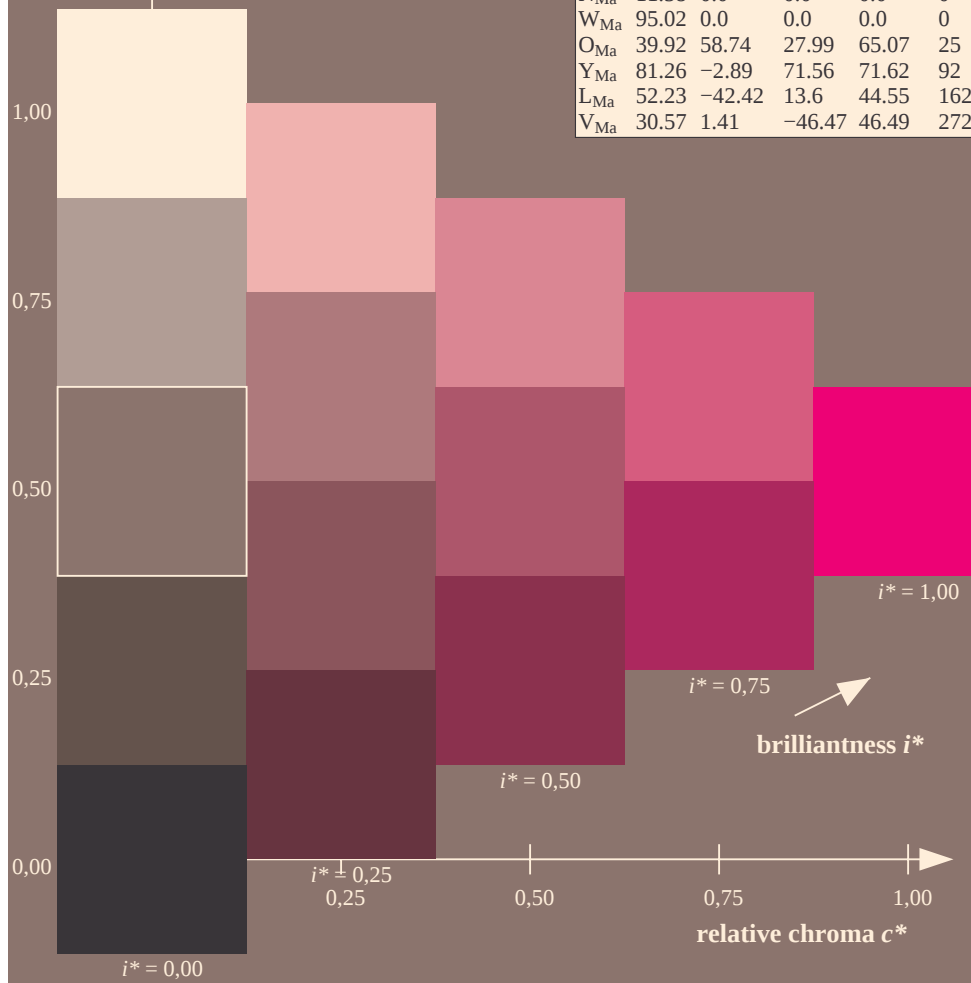
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

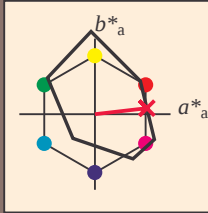
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

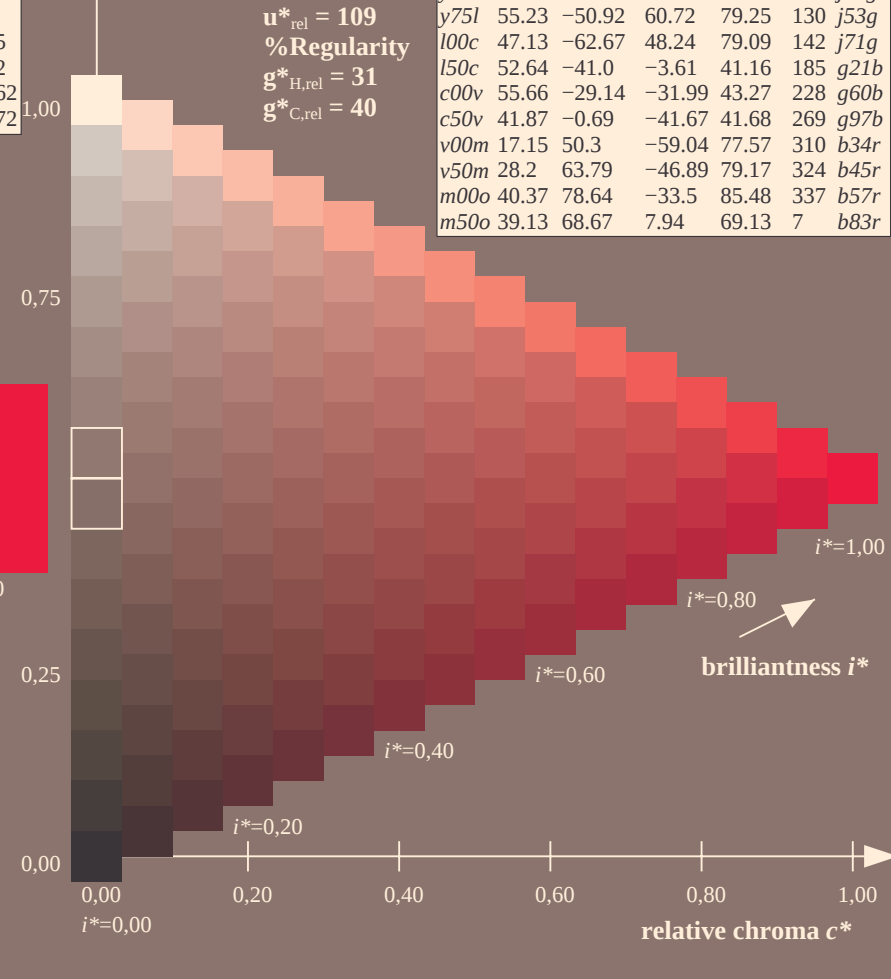
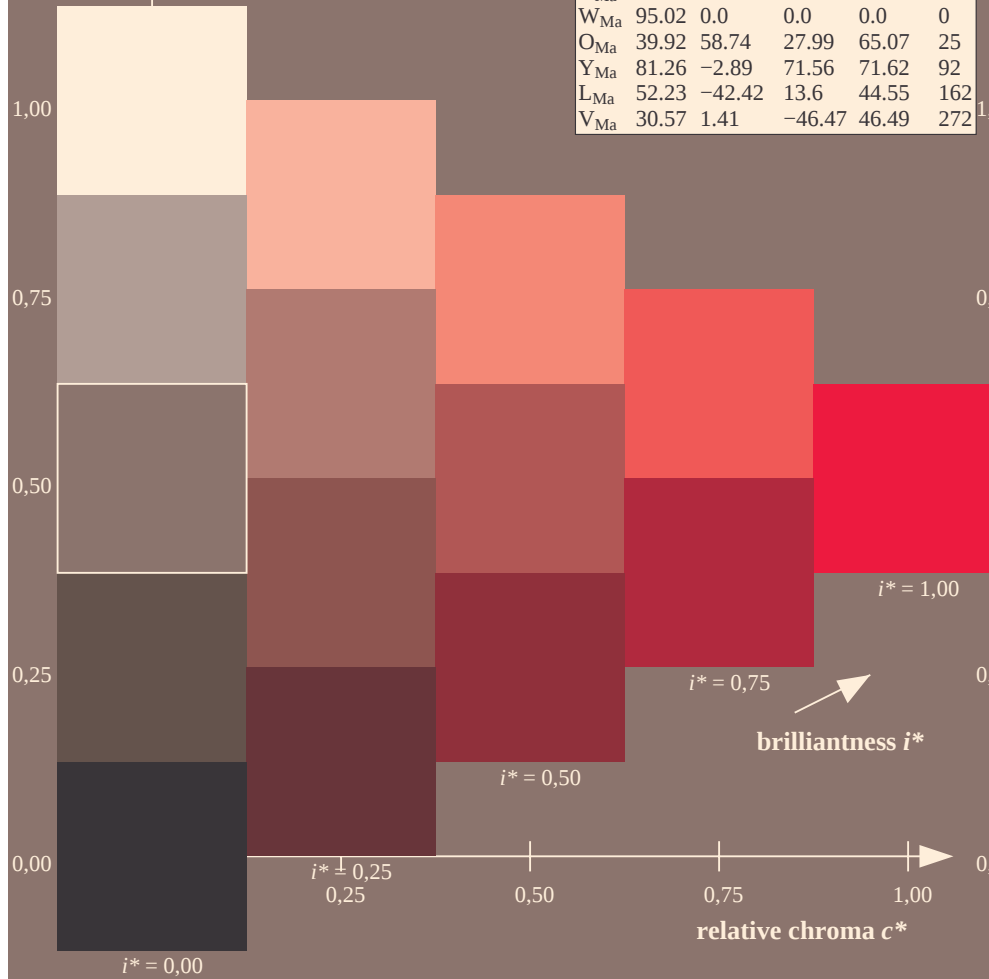
%Regularity

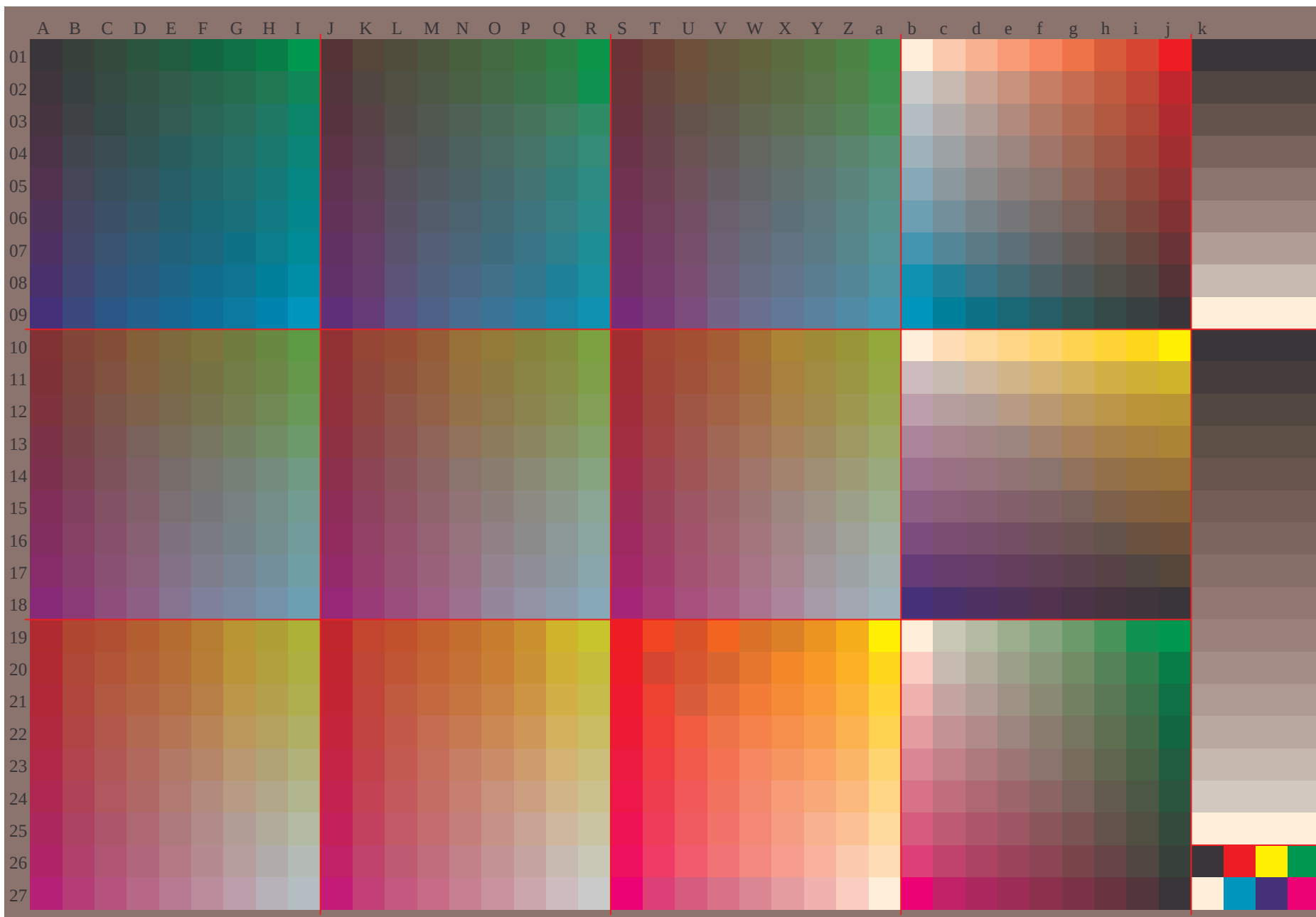
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



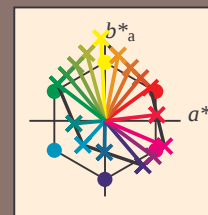


See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/.HTM
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

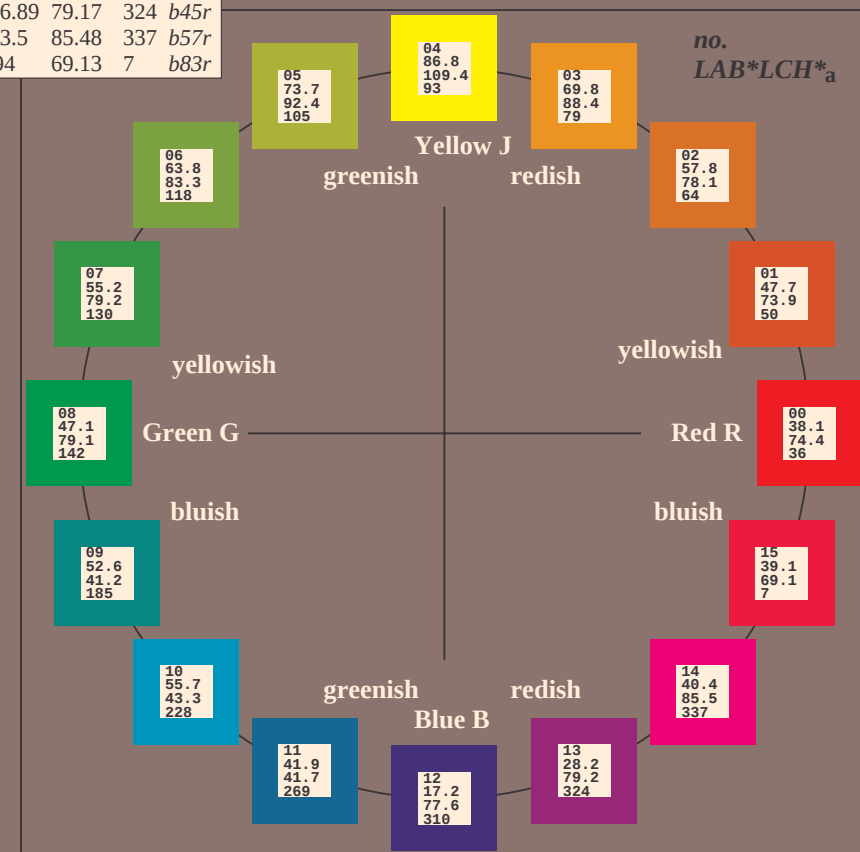
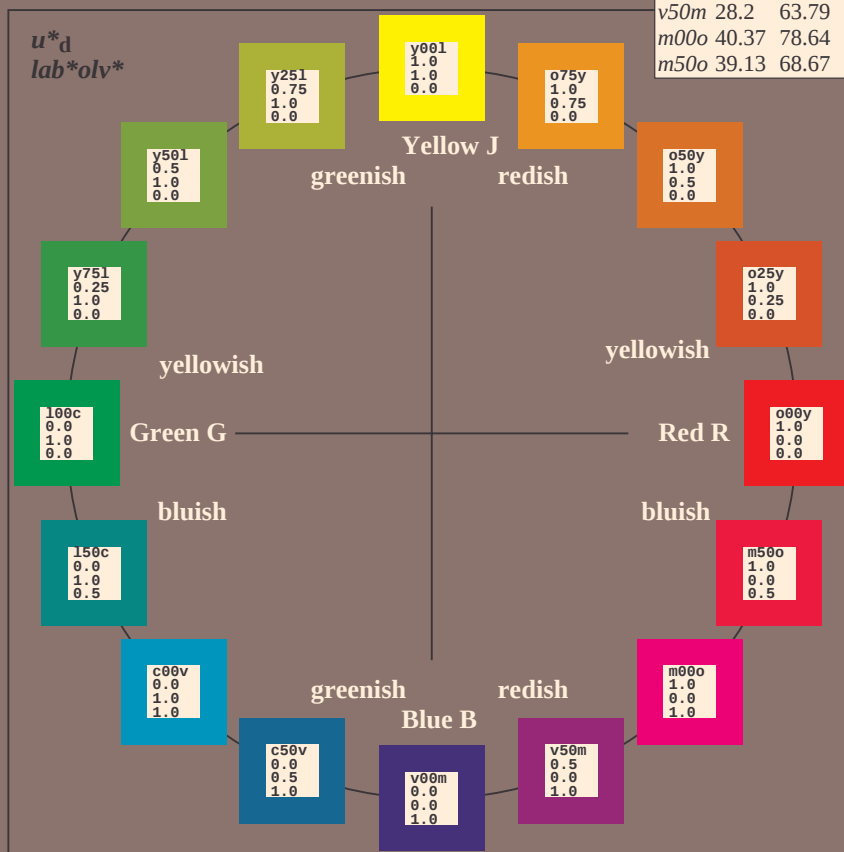
u^*_d and number $no.$ = 00 .. 15
device hue text:
 u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



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

FRS12_95a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

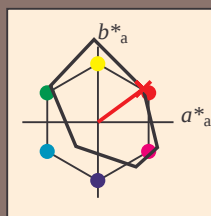
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 60 44

$LAB^*LCH^*_{Ma}$: 38 74 36

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

$lab^*rgb^*_{Ma}$: 1.0 0.16 0.0

triangle lightness t^*

% Gamut

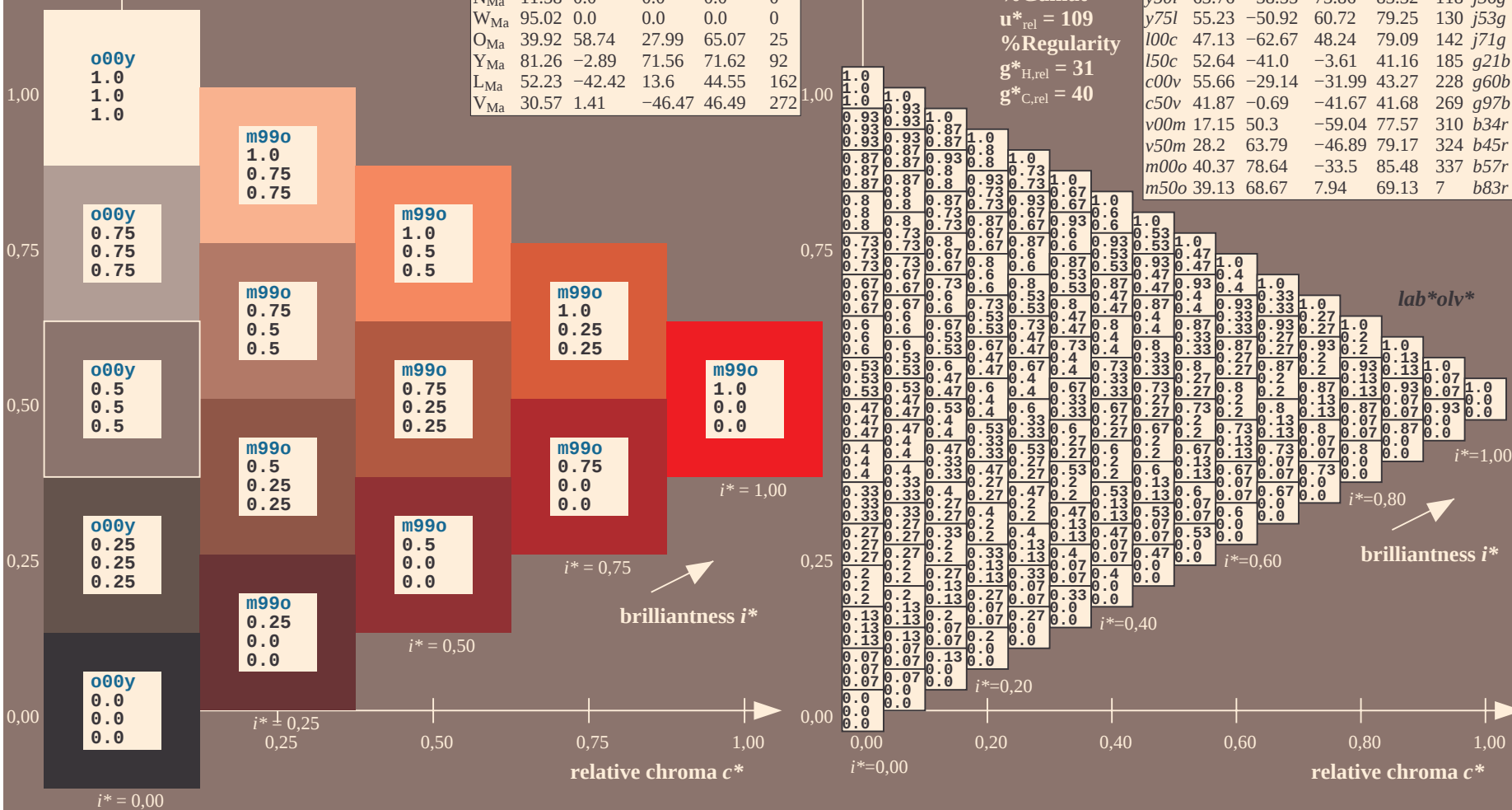
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

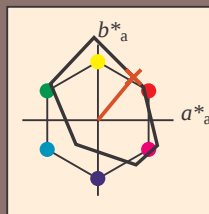
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

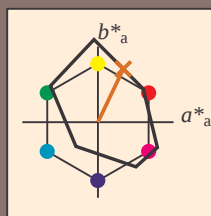
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

% Gamut

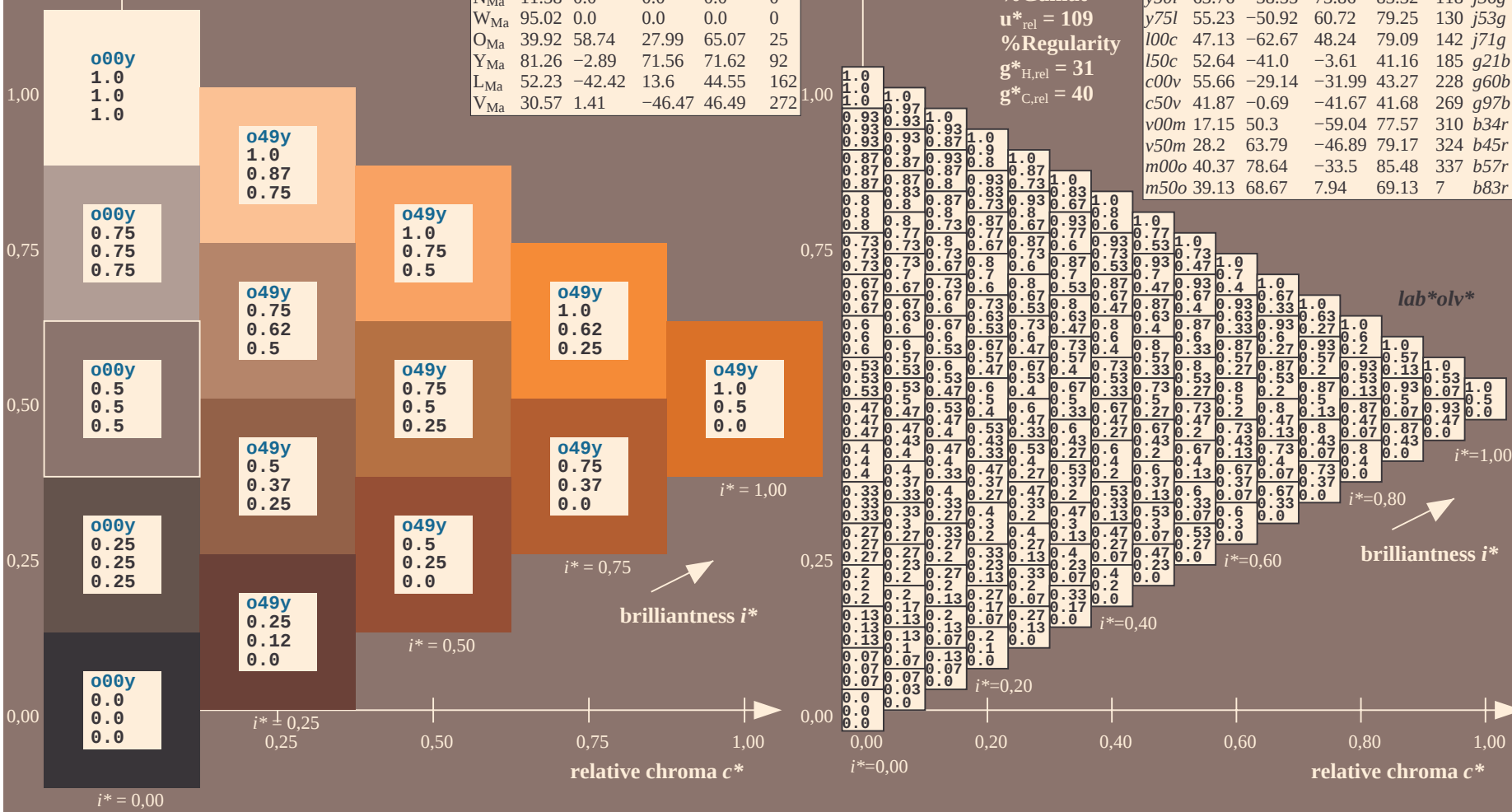
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

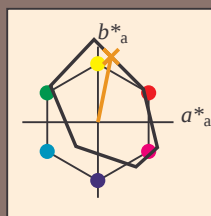
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

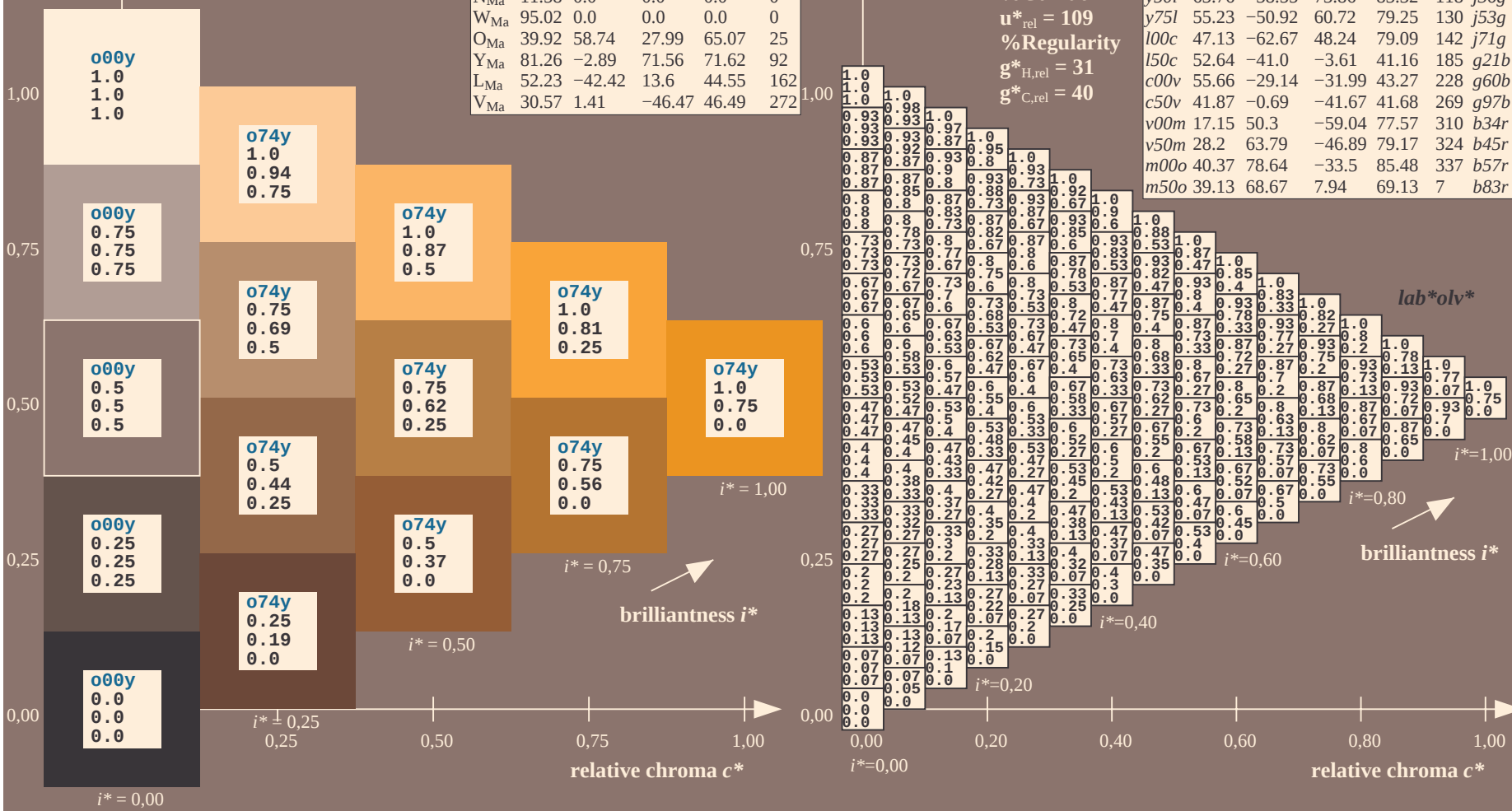
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

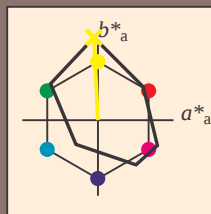
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

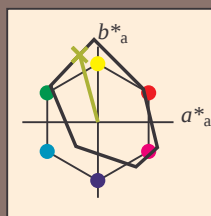
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

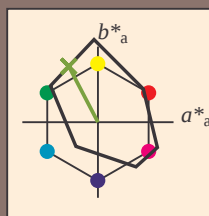
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

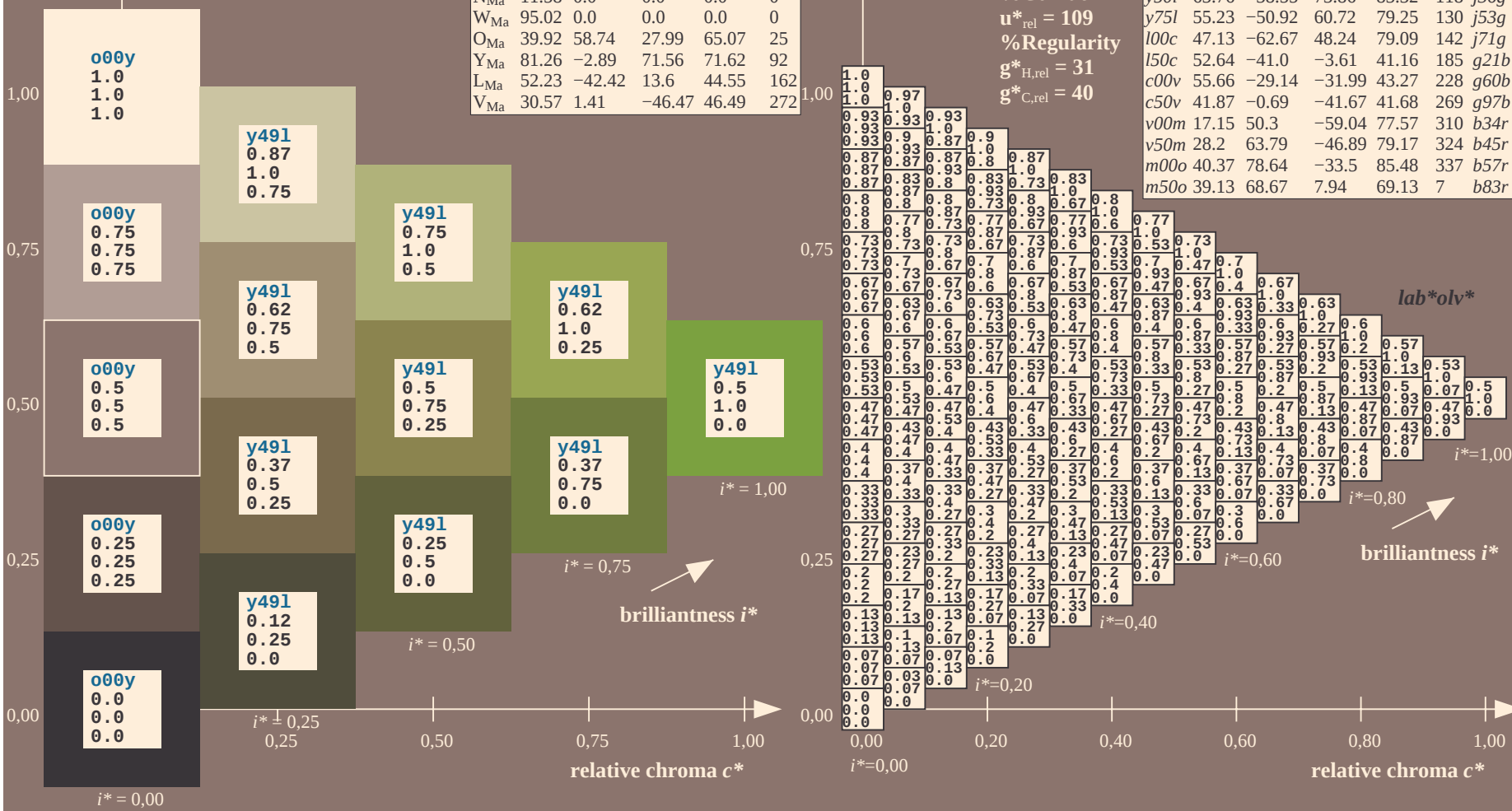
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

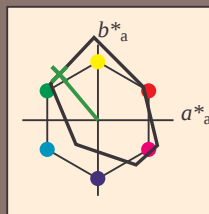
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

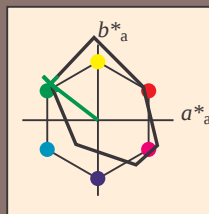
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

% Gamut

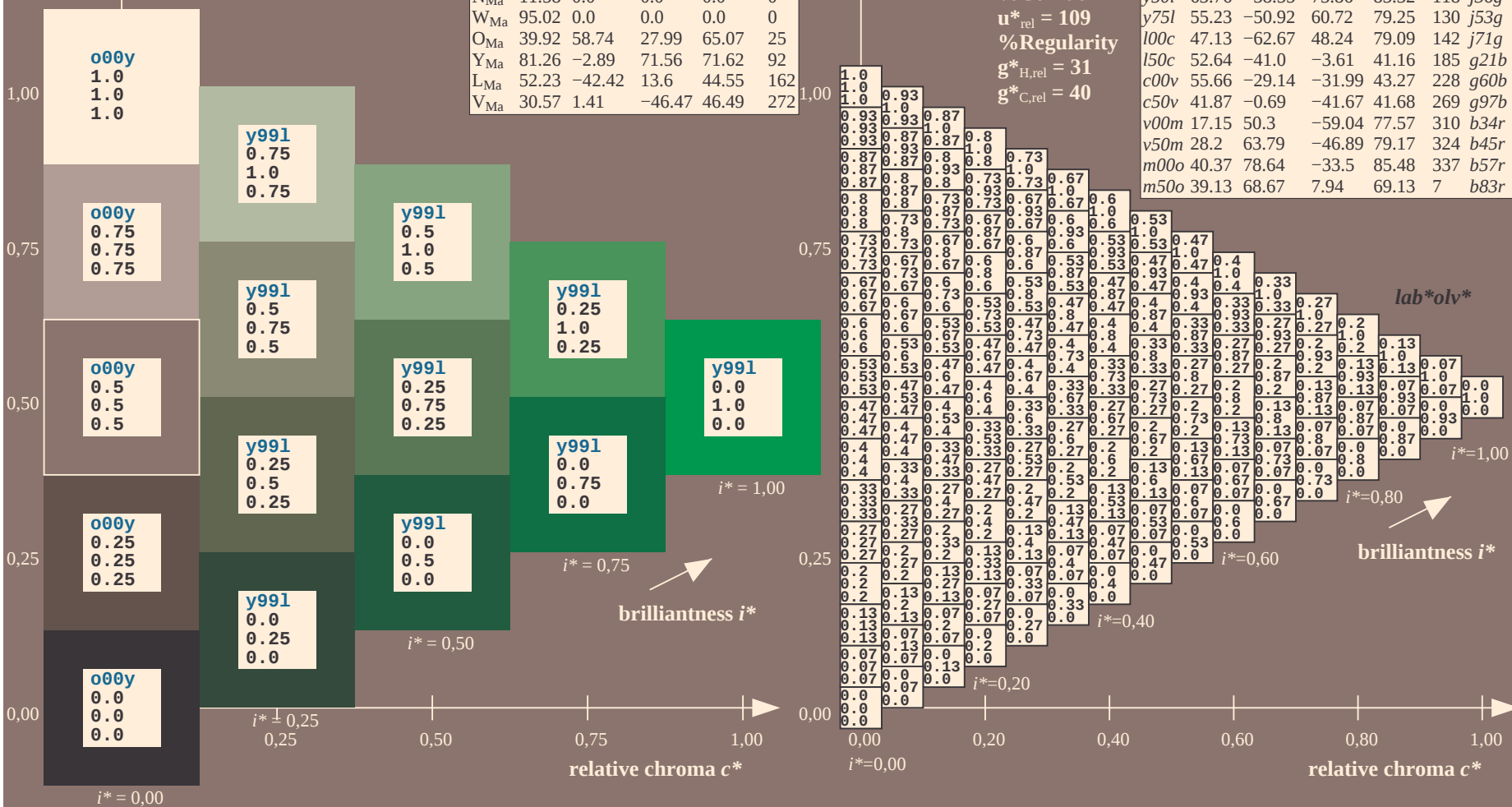
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

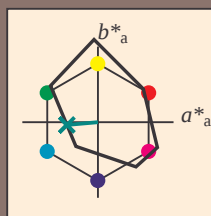
Hue texts:

$u^*_d = l50c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

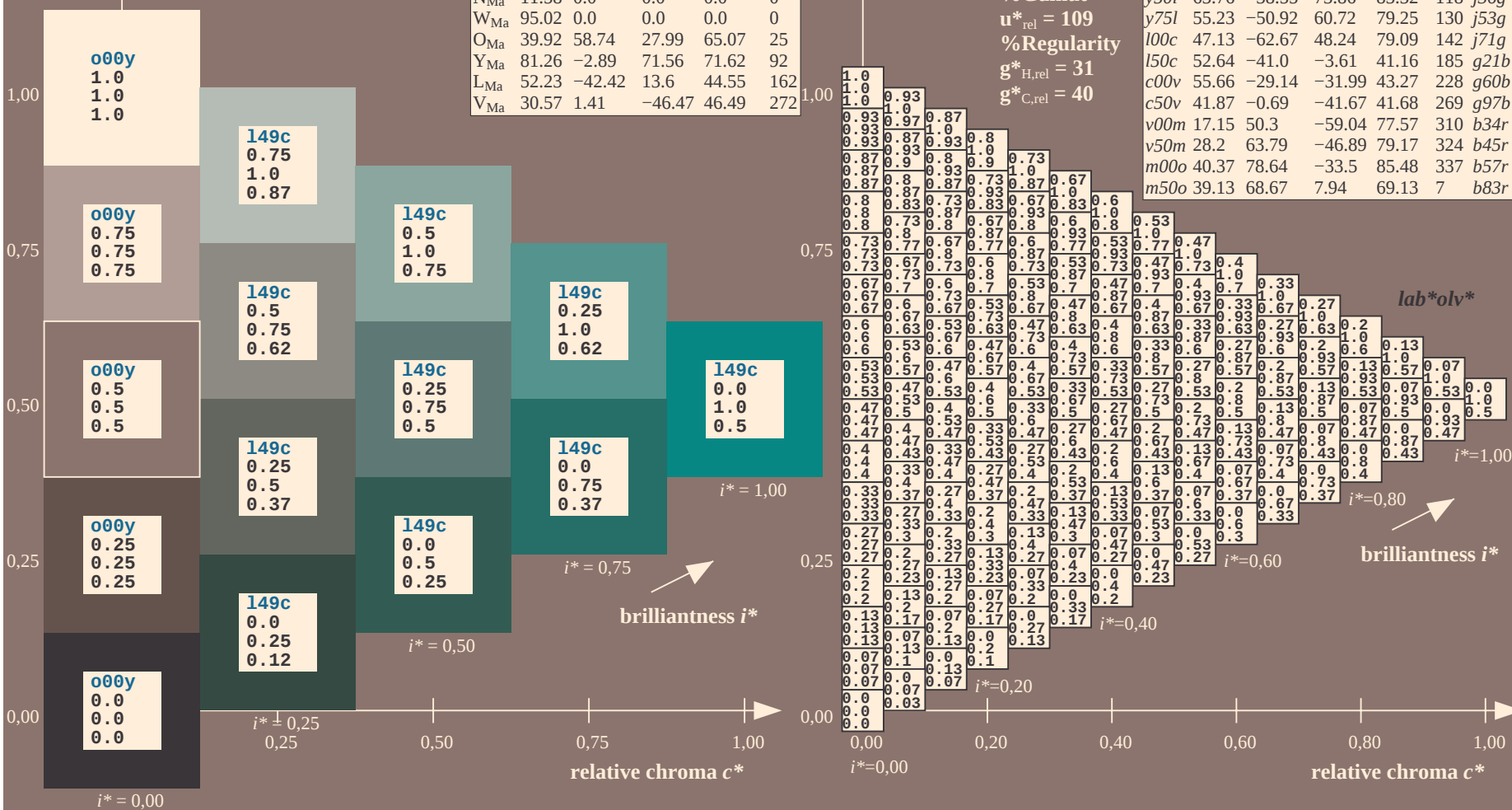
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

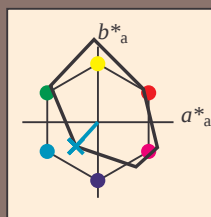
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

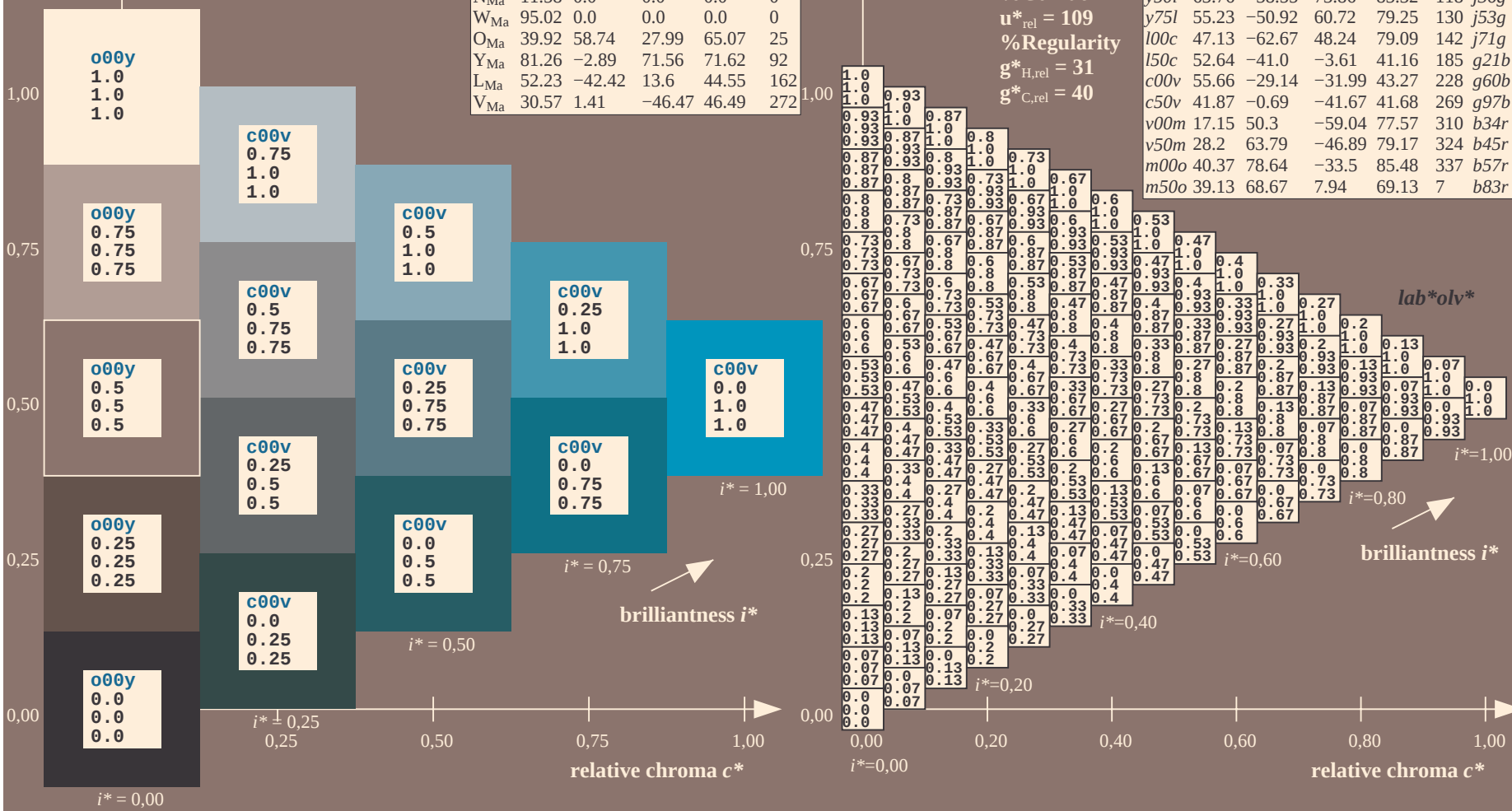
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

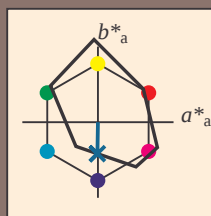
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 42 42 269

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

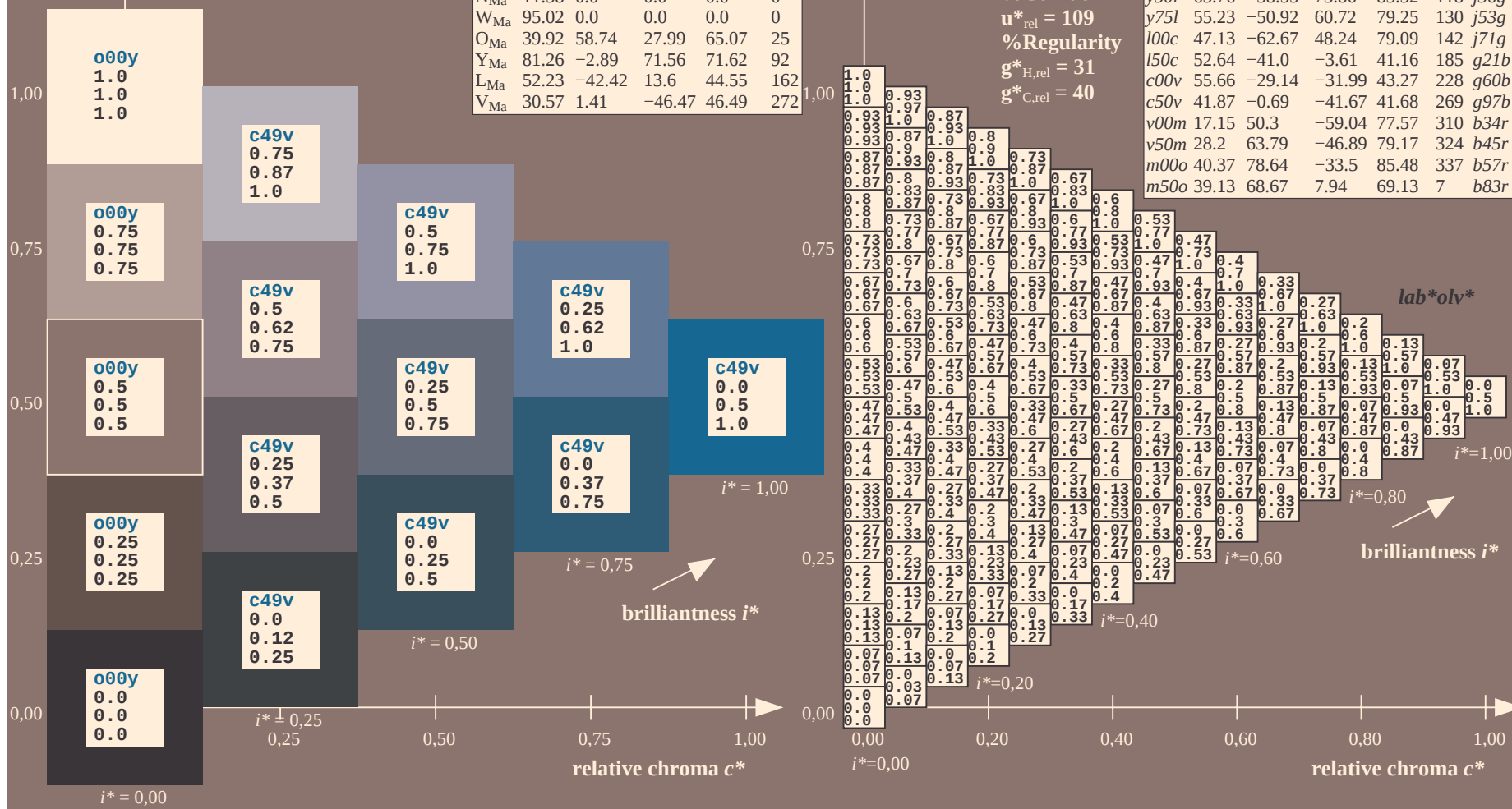
$u^*_{\text{rel}} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

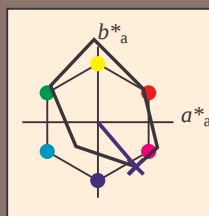
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

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

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

triangle lightness t^*

%Gamut

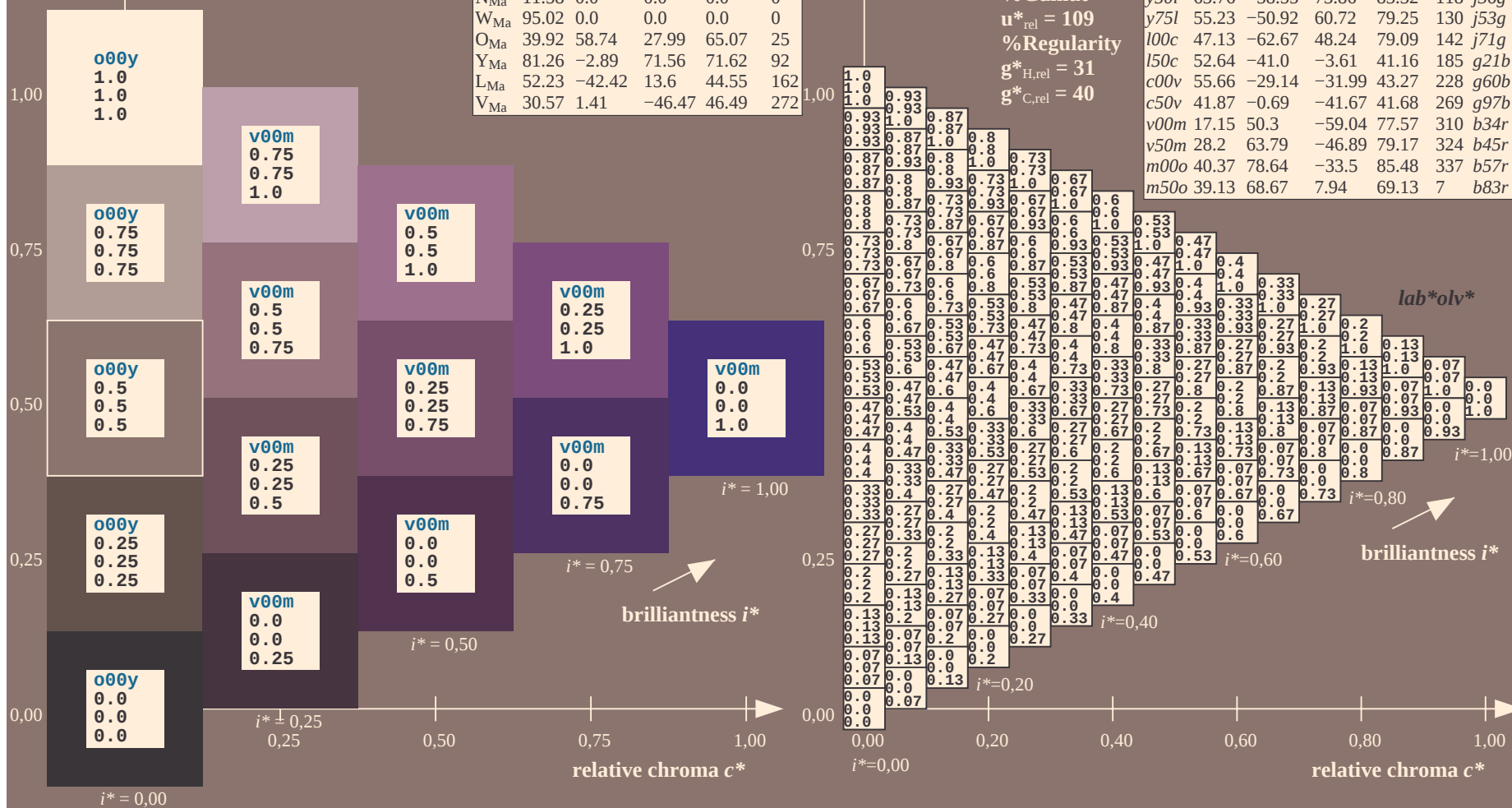
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

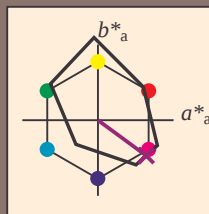
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r

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^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

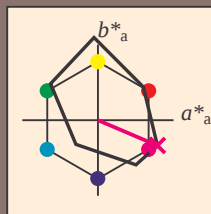
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

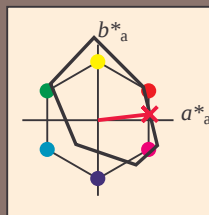
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

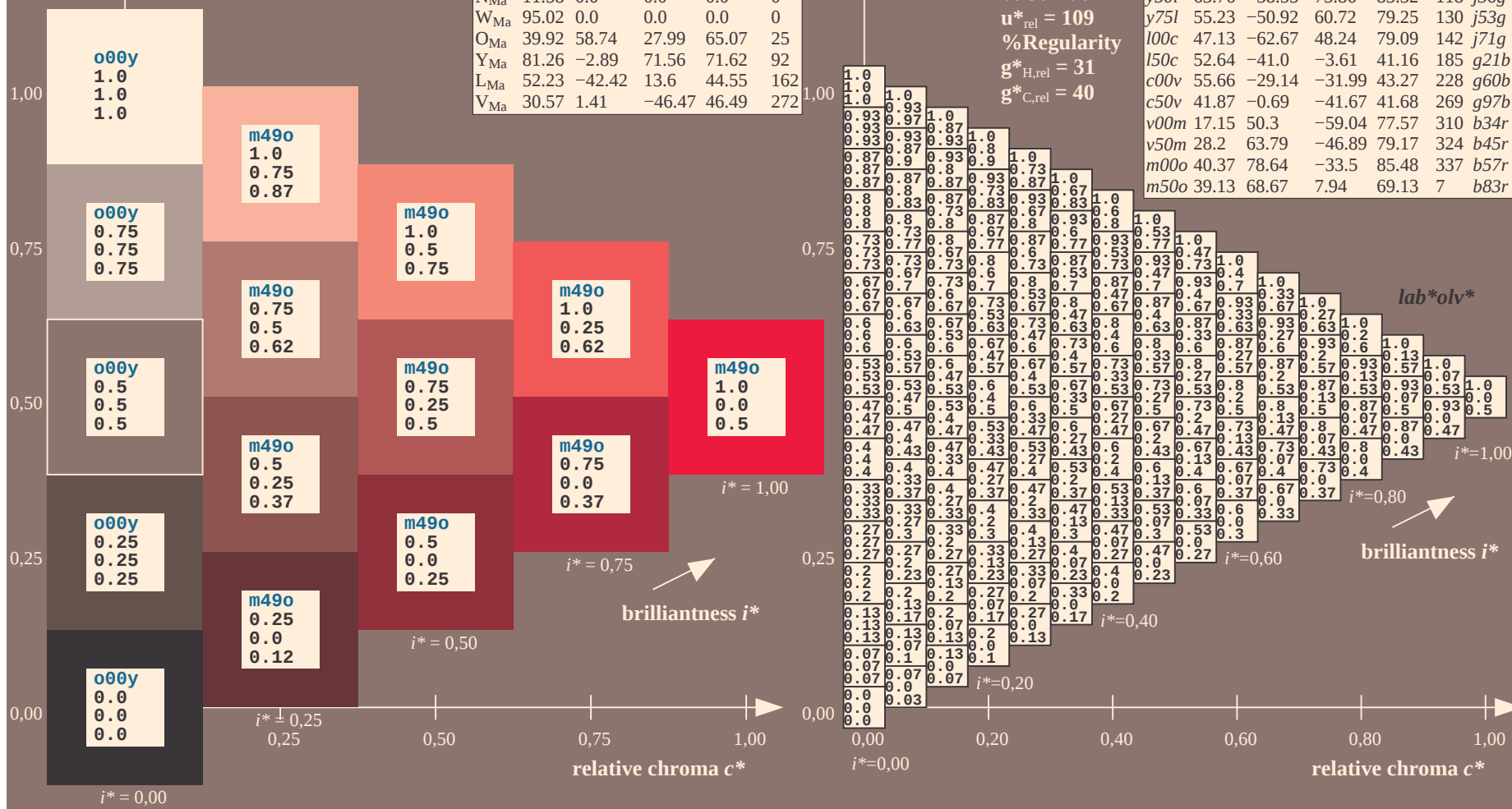
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = m50o$
 lab^*olv^*



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

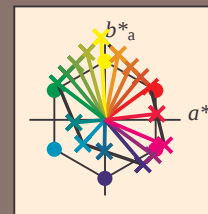
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*oly*								
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0			
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	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	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
02	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	0.88	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	0.13	0.13	0.13
	0.0	0.12	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	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	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	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
03	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	0.75	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	0.12	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	0.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	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	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
04	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	0.63	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	0.37	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	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	1.0	0.87	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
05	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	0.5	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	0.12	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	0.0	0.13	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	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	0.38	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	0.12	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	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
07	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	0.25	0.25	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	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	0.0	1.0	0.87	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
08	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	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
09	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
10	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	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	0.62	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	0.12	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																														

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number $no.$ = 00 .. 15
device hue text:
 u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

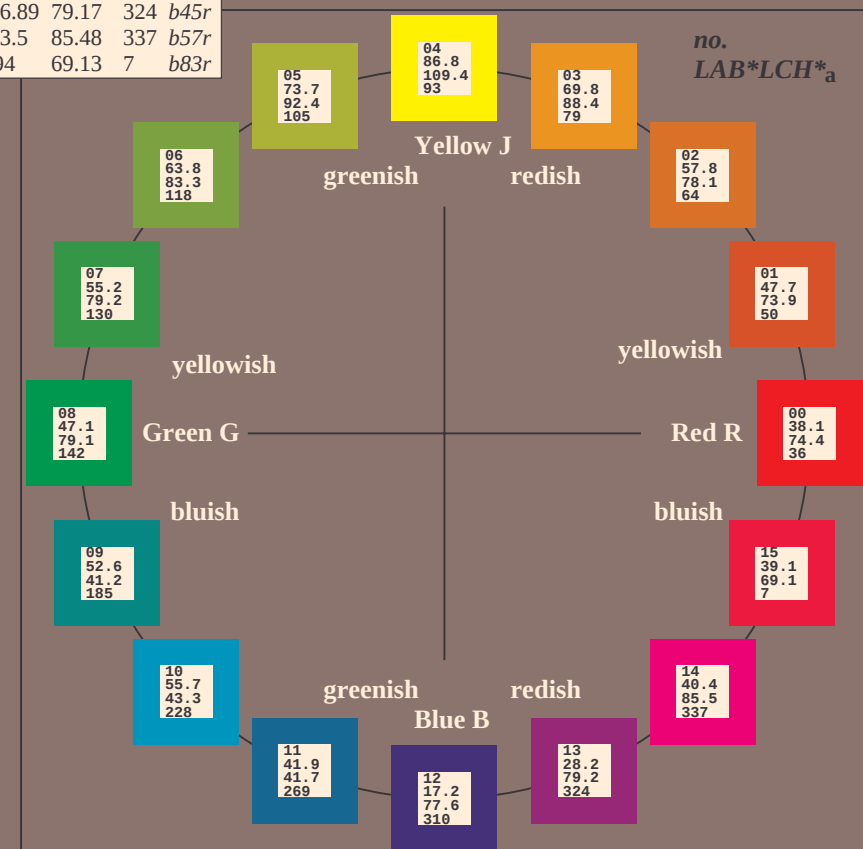
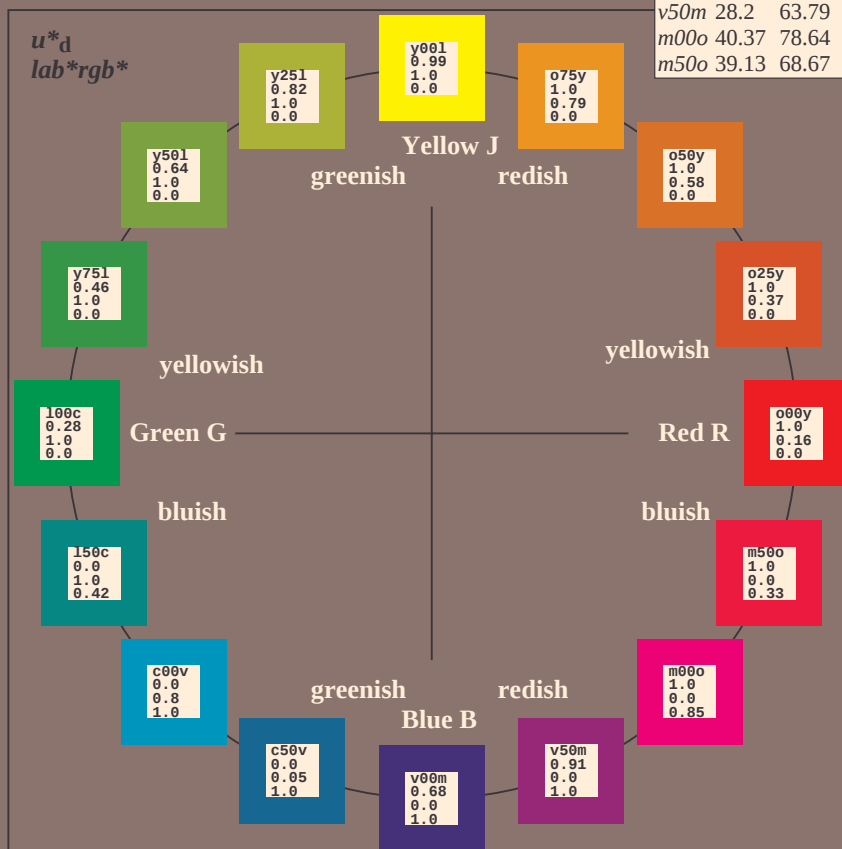
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$ data for any colour: Data for maximum colour (Ma):

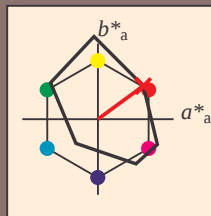
*u**_d = o00y
*lab***rqb**

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

Hue texts:

$$u_d^* = 000y \quad u_e^* = r16j$$

contrast reduction factor:

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB* μ : 38 60 44

LAB LAB	Ma. 50	60	44
LAB*LGH*	30	54	30

LAB*LCH*Ma: 38 74 3

lab*olv*_Ma: 1.0 0.0 0.0

*lab*rgb*_{Ma}: 1.0 0.16 0.0

triangle lightness t^*

triangle heightness t

%Gamut

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

%Regularity

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

FRS12_95a; adapted (a) CIELAB data							
u_d^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_e^*	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16i</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	

*lab*rgb**

$$j^*=1.00$$
brilliantness i^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

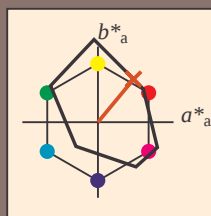
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

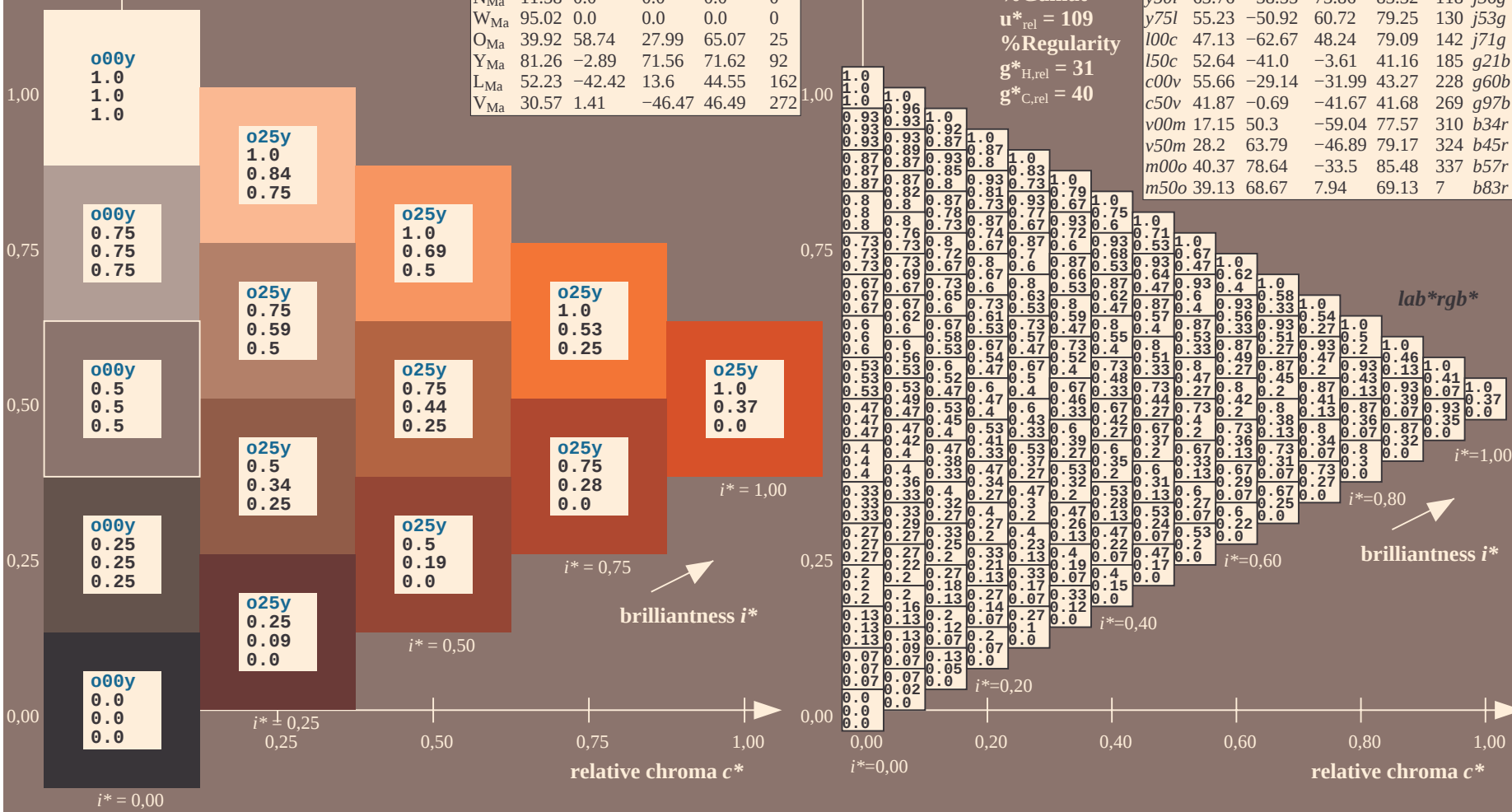
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

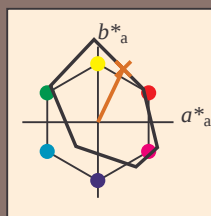
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

% Gamut

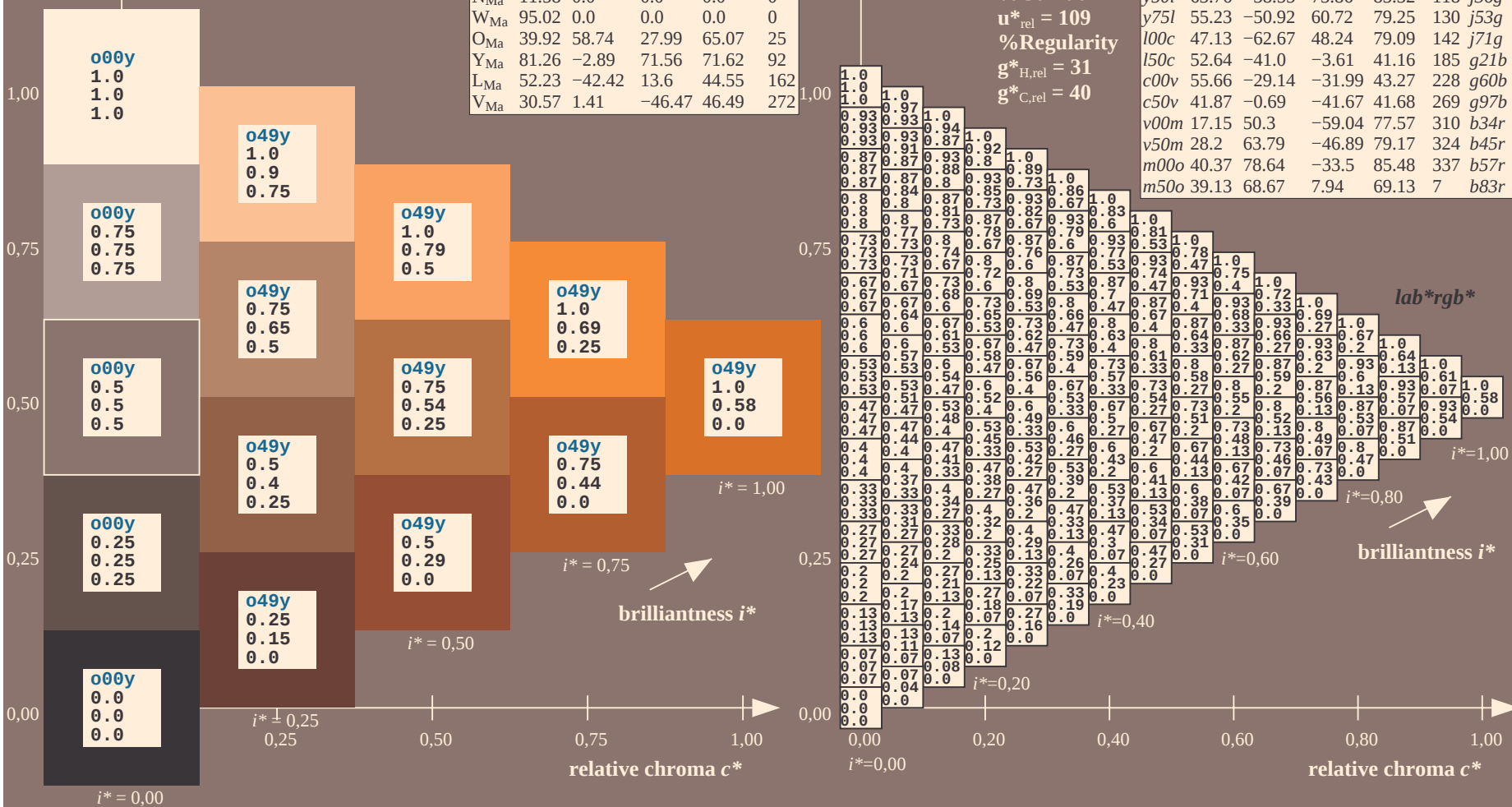
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

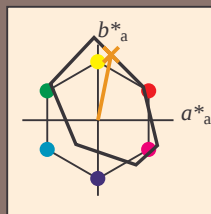
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

lab^*rgb^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

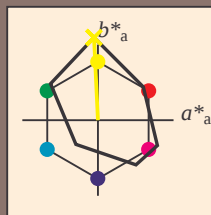
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

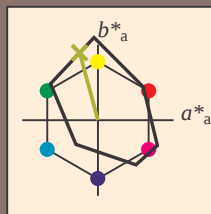
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

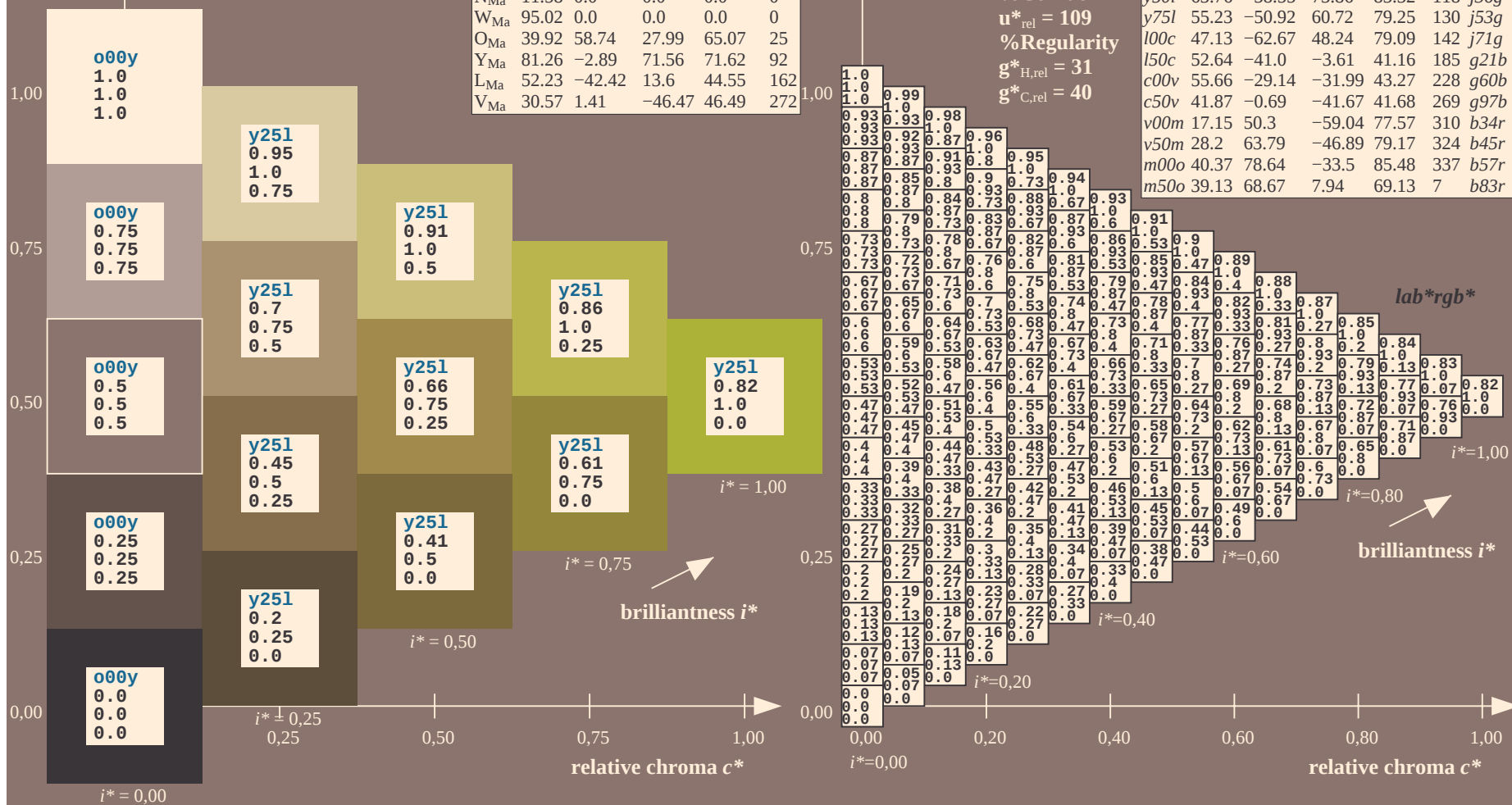
% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

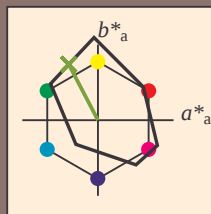
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

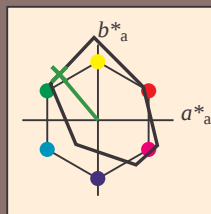
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

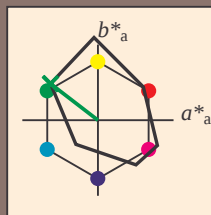
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

lab^*rgb^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

relative chroma c^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

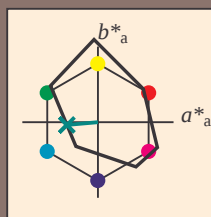
Hue texts:

$u^*_d = l50c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

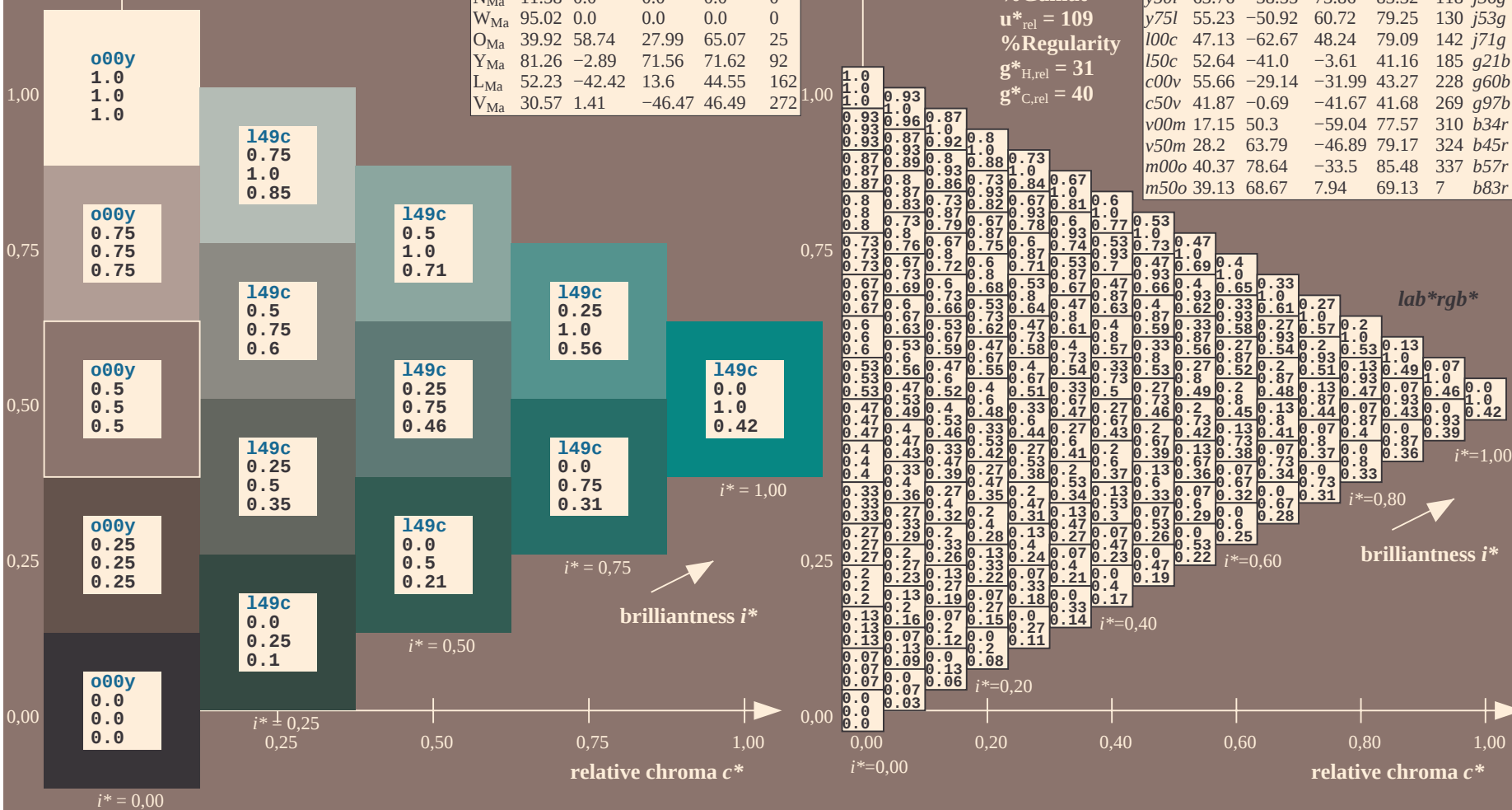
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

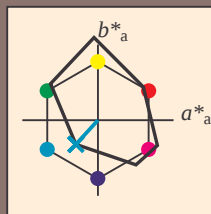
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

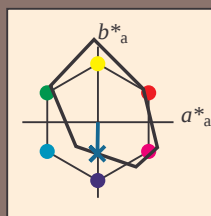
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

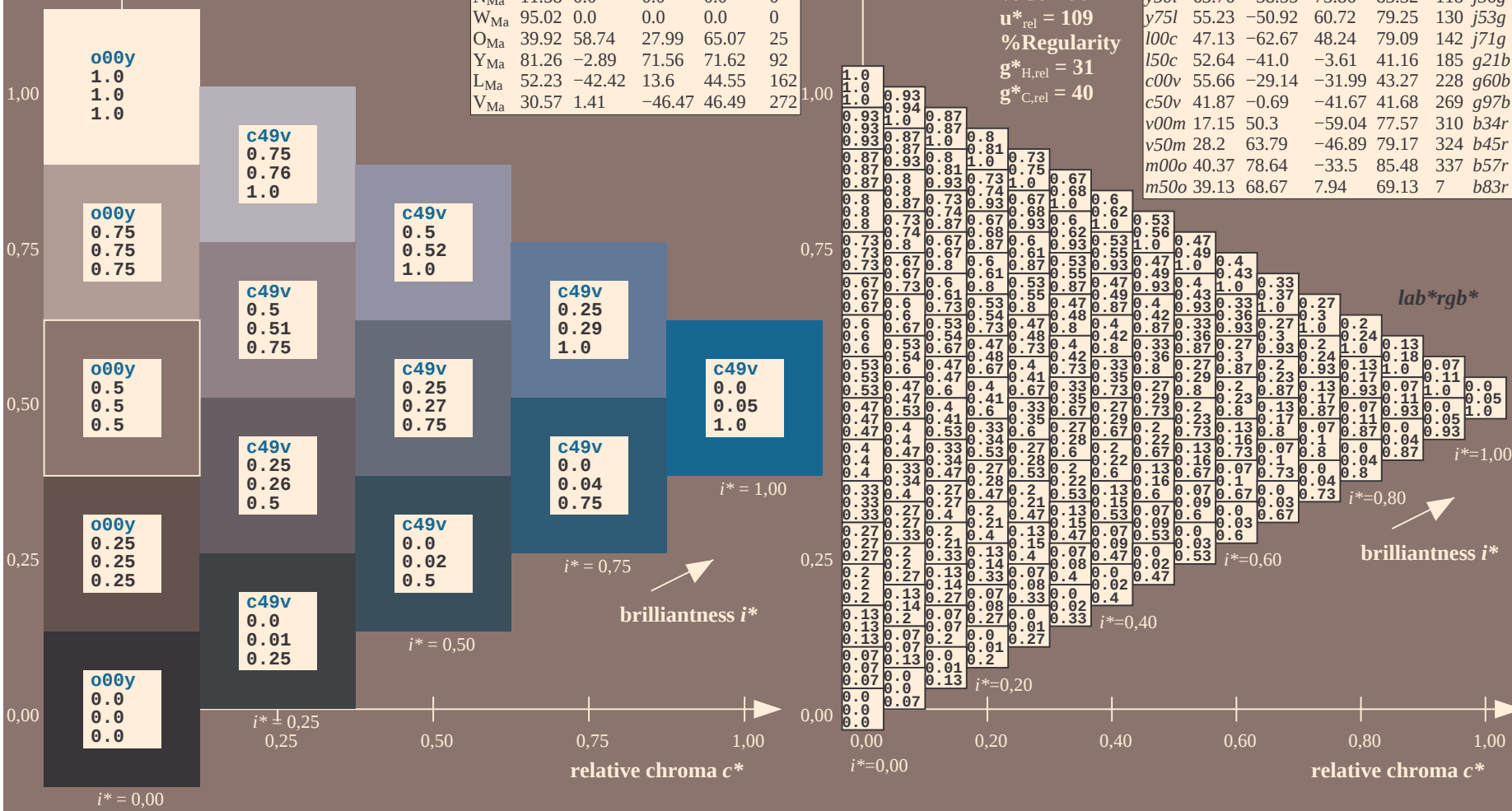
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

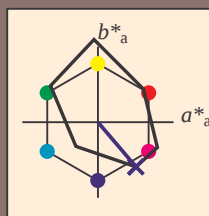
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 17 50 -59

$\text{LAB}^*\text{LCH}^*_{Ma}$: 17 78 310

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.68 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

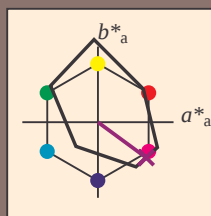
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

% Gamut

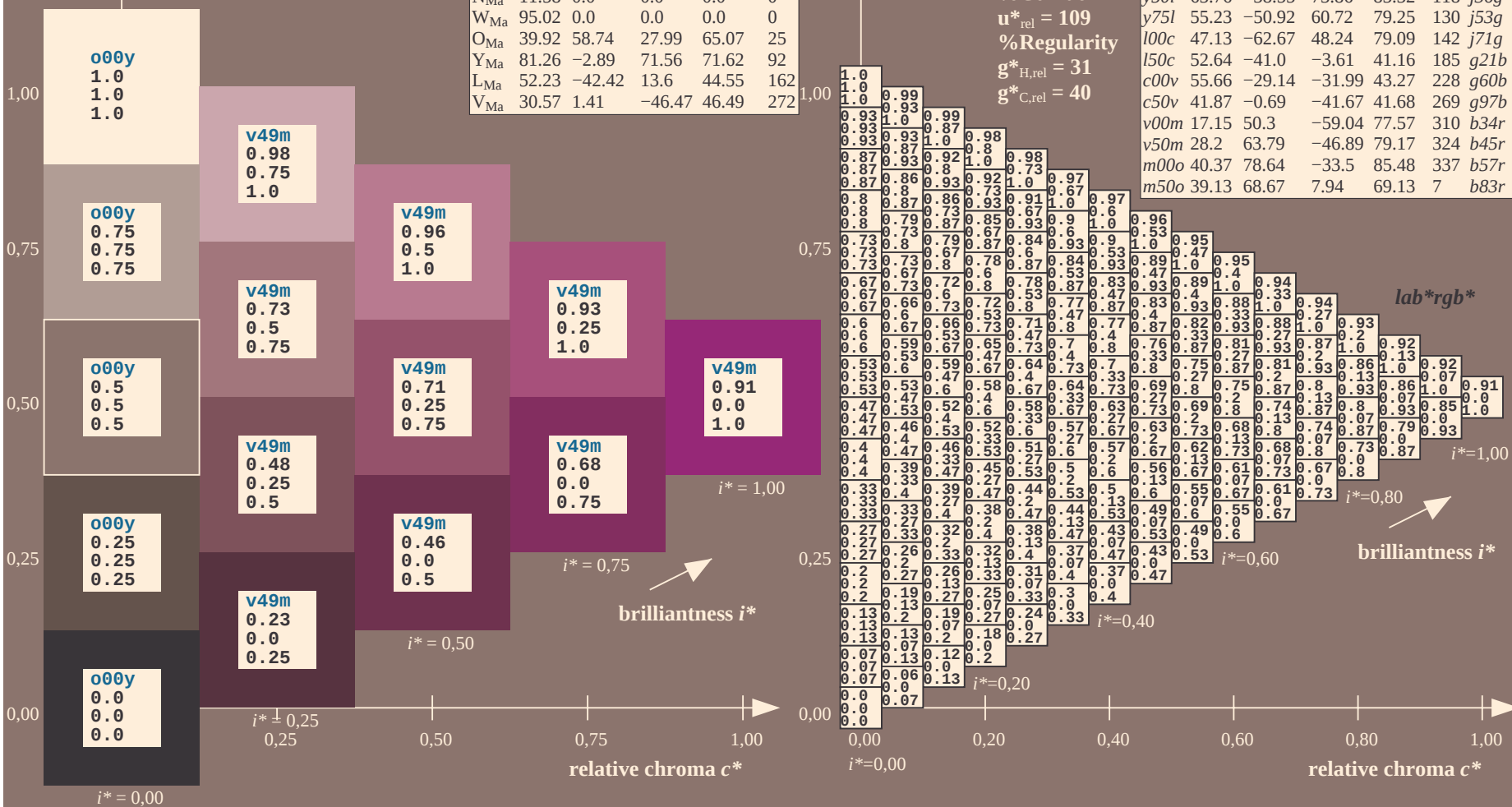
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

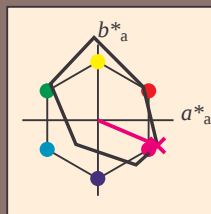
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

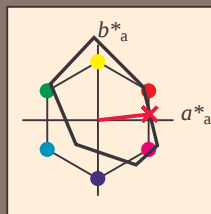
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

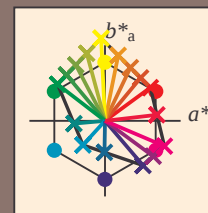
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*				
01	0.0	0.04	0.07	0.11	0.14	0.18	0.21	0.25	0.28	0.32	0.36	0.40	0.44	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.92	0.96	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
02	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2.0	2.13	2.25	2.38	2.5	2.63	2.75	2.88	3.0	3.13	3.25	3.38	3.5	3.63	3.75	3.88	4.0	4.13	4.25	4.38	4.5	4.63	4.75	4.88	5.0	
03	0.09	0.0	0.0	0.0	0.0	0.02	0.06	0.1	0.13	0.13	0.13	0.16	0.2	0.23	0.27	0.3	0.34	0.37	0.4	0.44	0.48	0.52	0.56	0.6	0.64	0.68	0.72	0.76	0.8	0.84	0.88	0.92	0.96	1.0	1.04	1.08	1.12	1.16	1.2	1.24	1.28	
04	0.17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.23	0.21	0.13	0.13	0.13	0.13	0.13	0.15	0.19	0.22	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	0.75	0.75	0.75	0.75	0.75
05	0.0	0.01	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	0.15	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	
06	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	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13		
07	0.34	0.16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.38	0.2	0.13	0.13	0.13	0.13	0.13	0.13	0.46	0.44	0.42	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
08	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
09	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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	
10	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
11	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
12	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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	
13	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
14	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
15	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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	
16	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
17	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
18	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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
19	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
20	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
21	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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
22	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
23	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
24	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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
25	0.26	0.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.31	0.3	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
26	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
27	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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
28	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
29	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
30	0.38	0.38	0.38	0.38	0.4	0.36	0.31	0.27	0.22	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.26	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
31	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	0.27	0.35	0.34	0.25	0.25	0.25	0.25	0.25	0.27	0.31	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
32	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	0.88	1.0	0.0	0.13	0.25	0.35	0.5	0.63	0.75	0.88	1.0	0.93	0.83	0.73	0.63	0.52	0.42	0.31	0.21	0.1	0.38	0.38	0.38	0.38		
33	0.38	0.38	0.38	0.38																																						

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number $no.$ = 00 .. 15
device hue text:
 u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

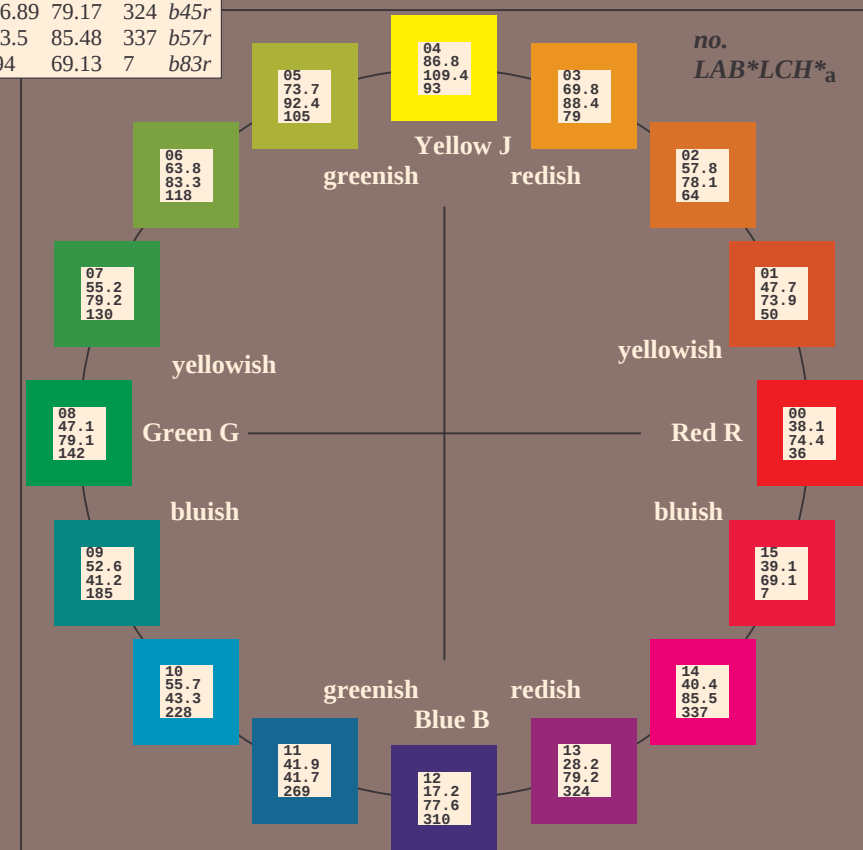
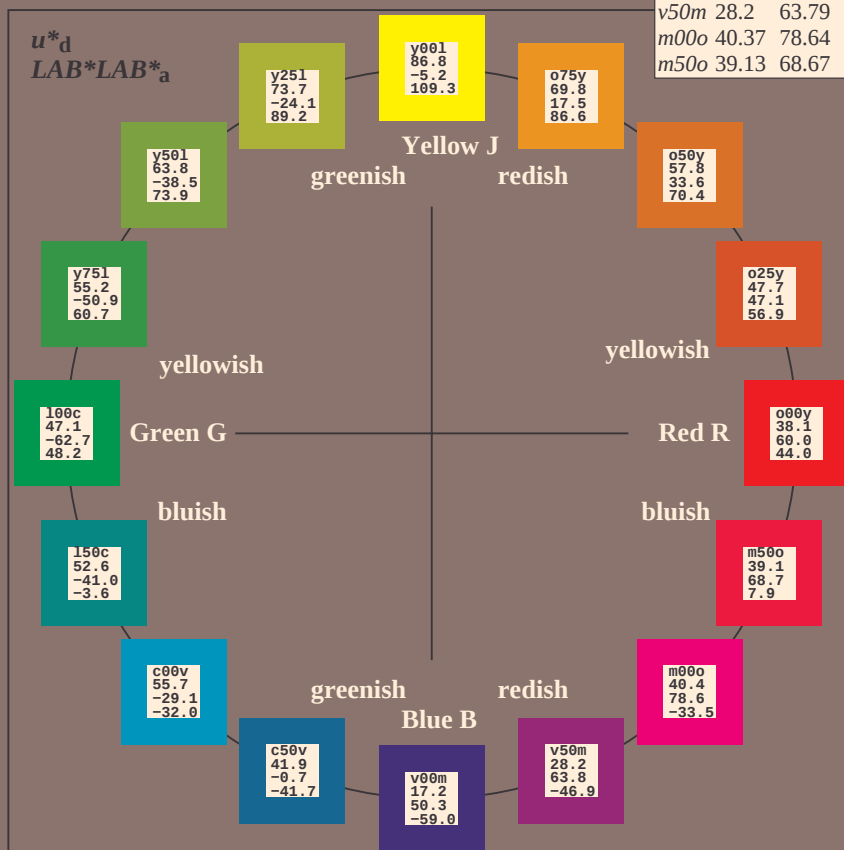
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

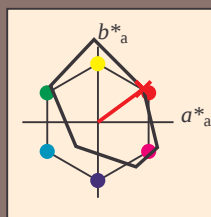
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 38 60 44

$\text{LAB}^*\text{LCH}^*_{Ma}$: 38 74 36

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.16 0.0

triangle lightness t^*

%Gamut

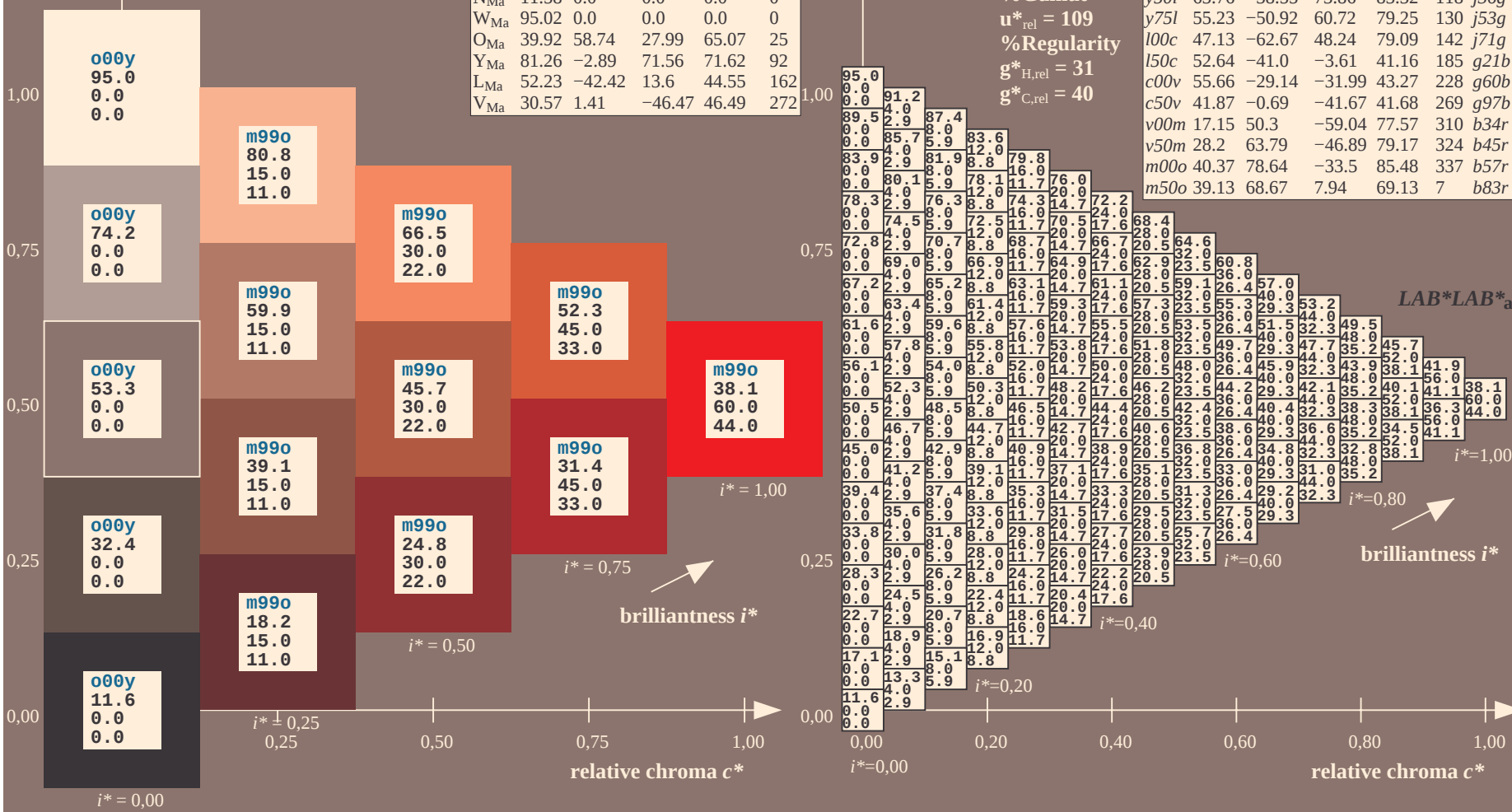
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

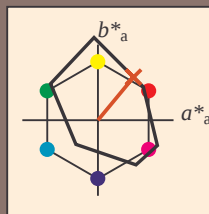
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 48 47 57

$LAB^*LCH^*_Ma$: 48 74 50

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

$lab^*rgb^*_Ma$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

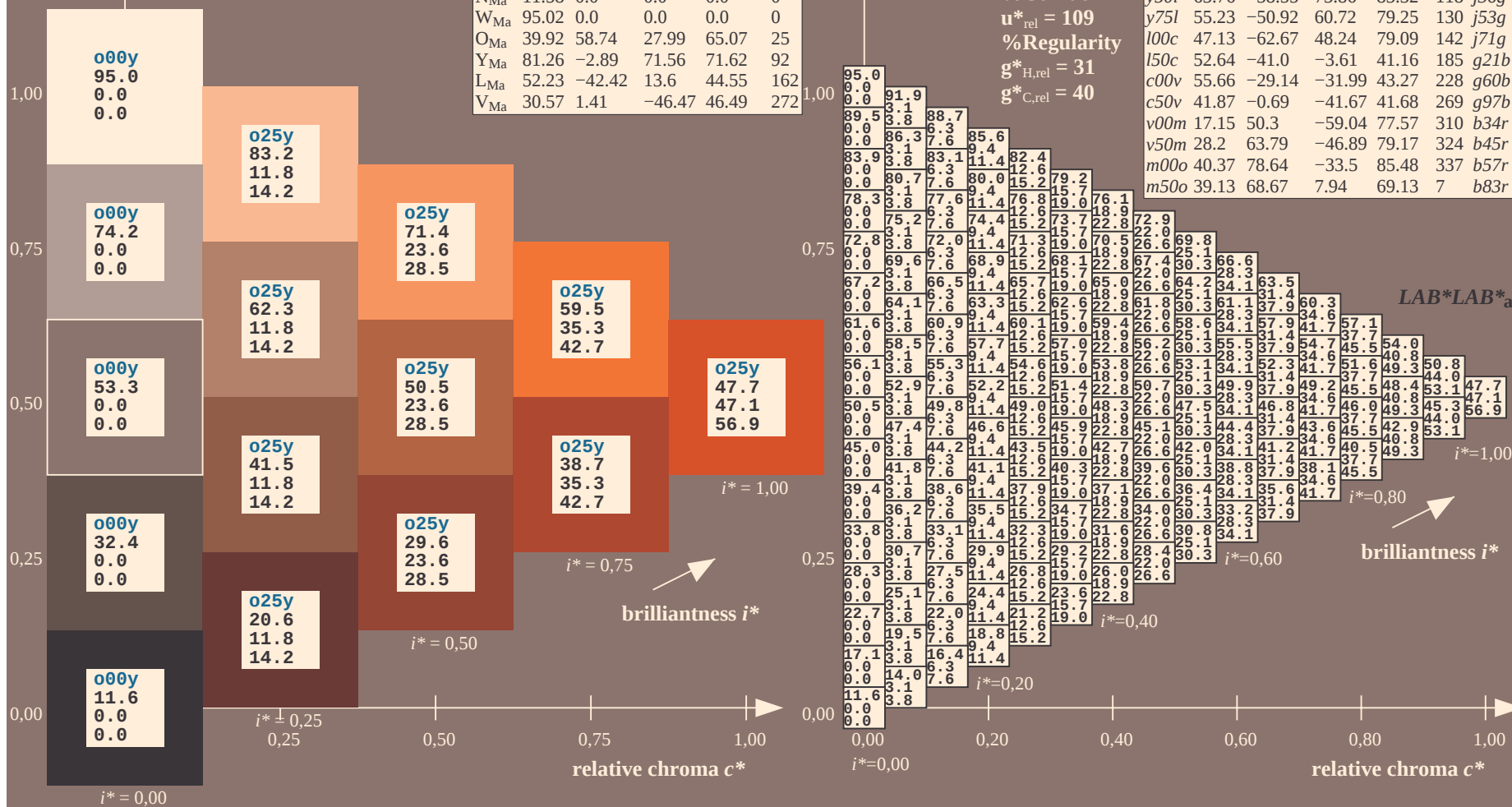
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

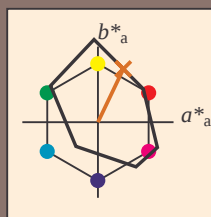
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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

$i^*=1.00$

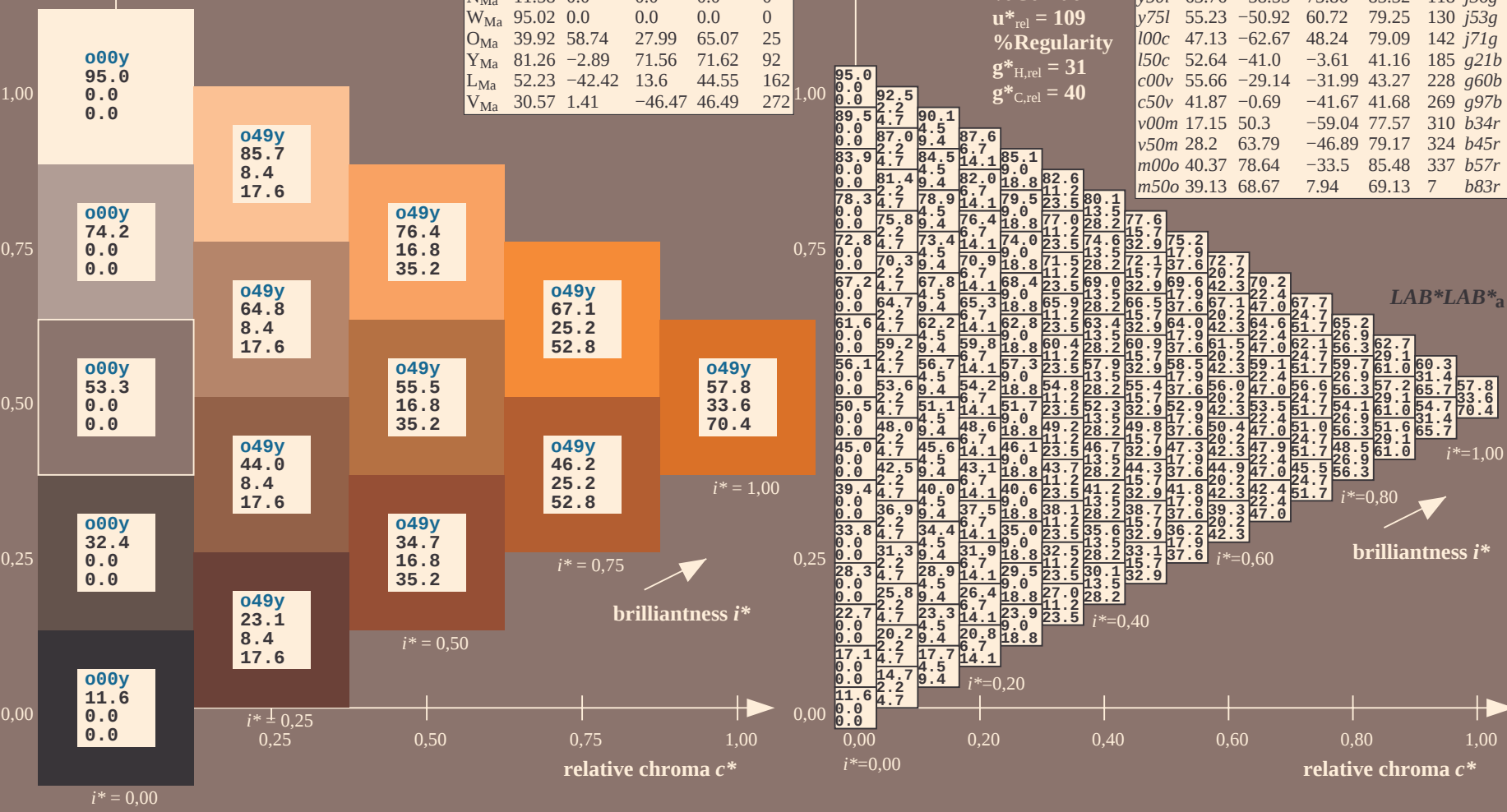
$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

brilliantness i^*



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

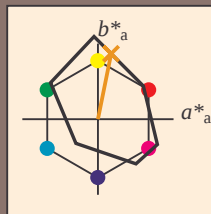
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 70 17 87

$LAB^*LCH^*_Ma$: 70 88 78

$lab^*olv^*_Ma$: 1.0 0.75 0.0

$lab^*rgb^*_Ma$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

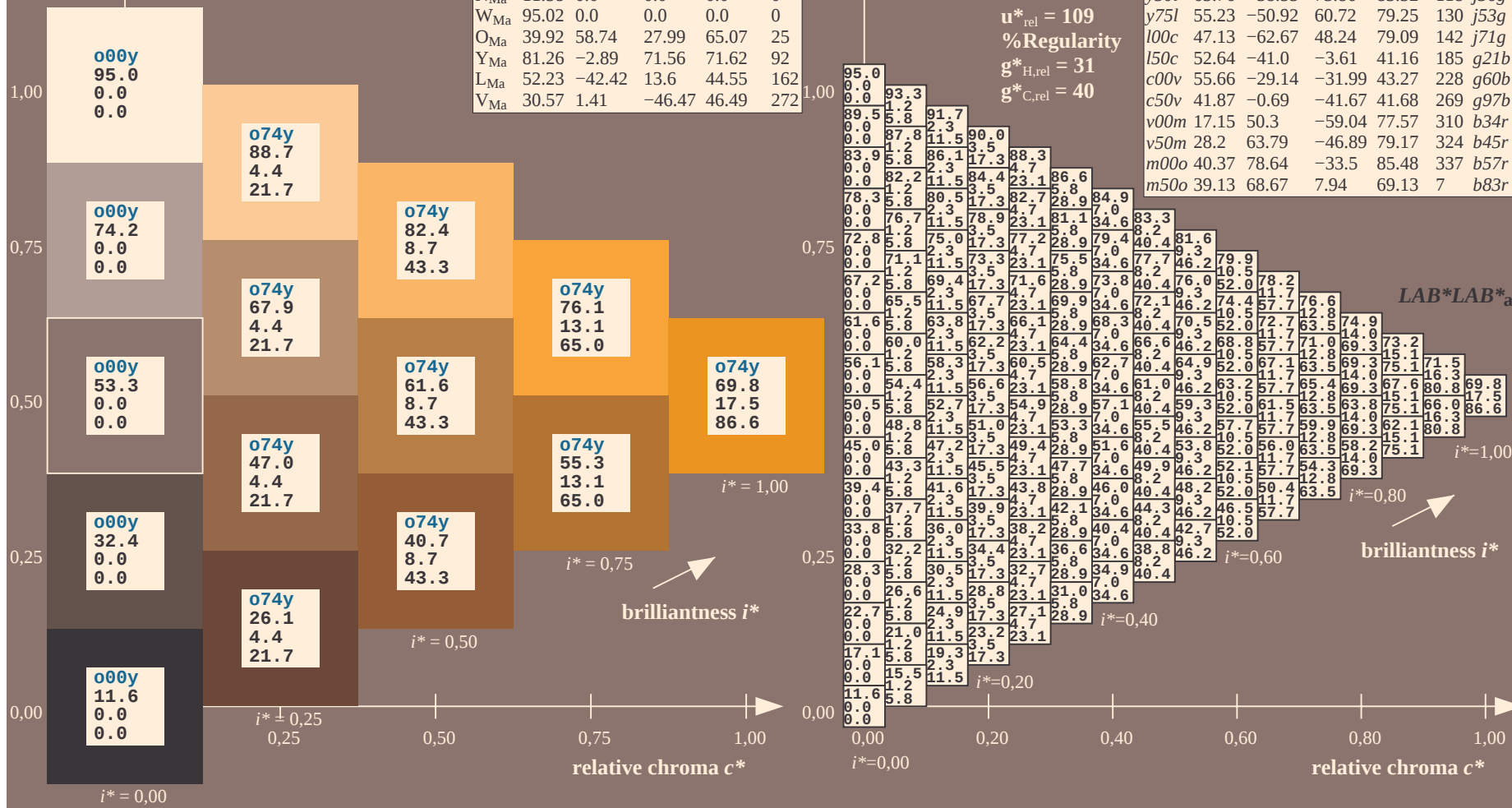
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

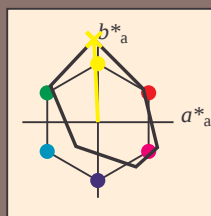
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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

$i^*=1.00$

brilliantness i^*

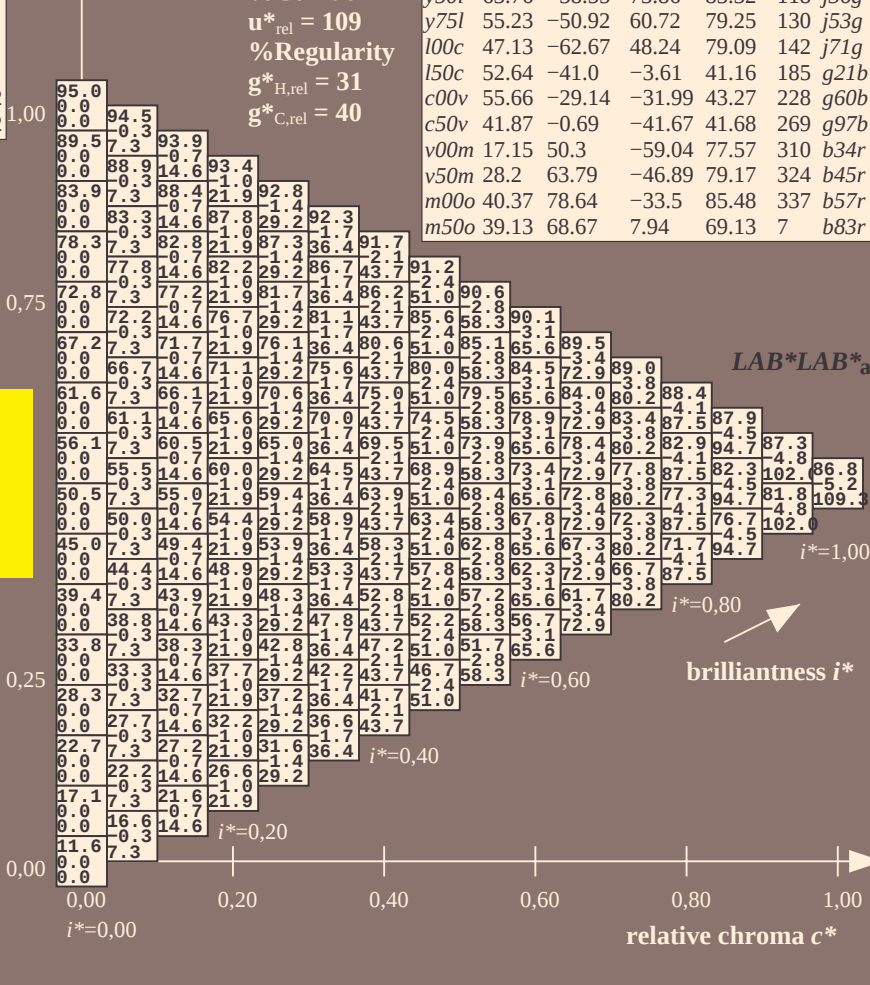
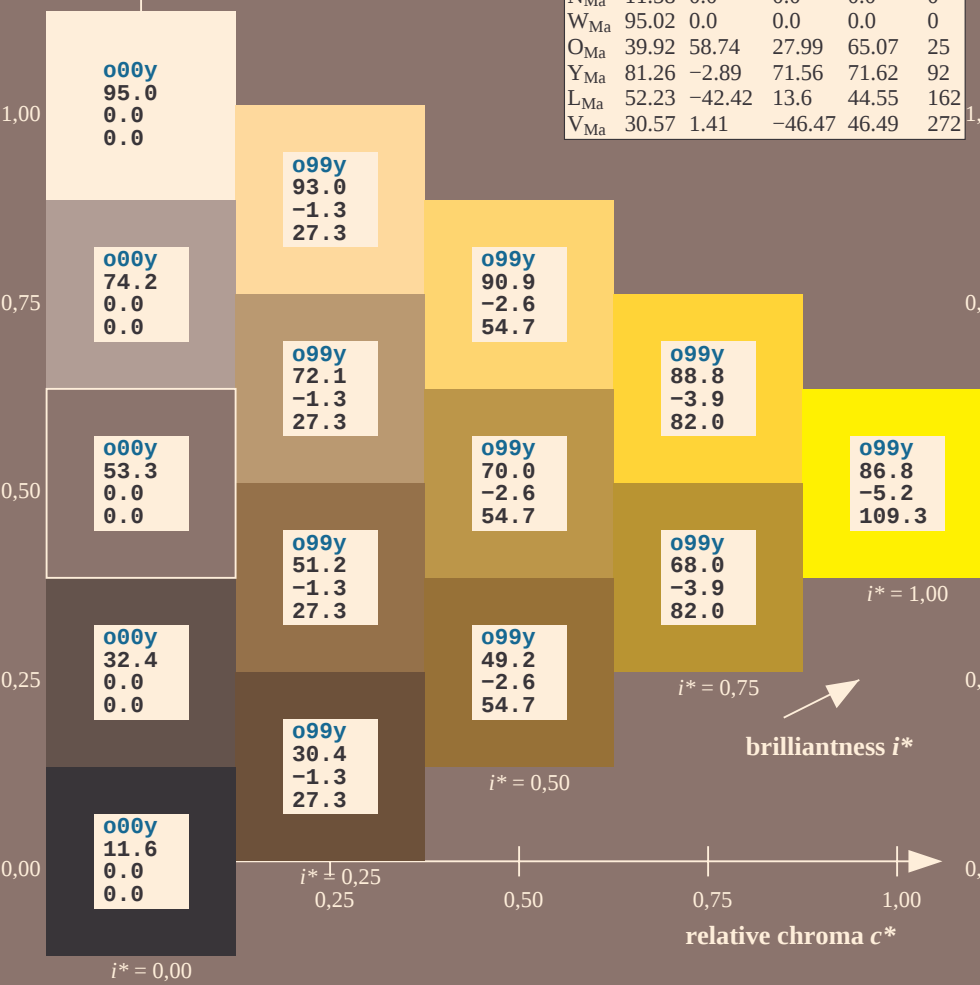
$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

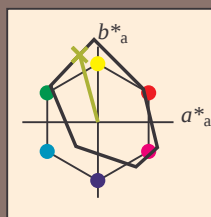
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

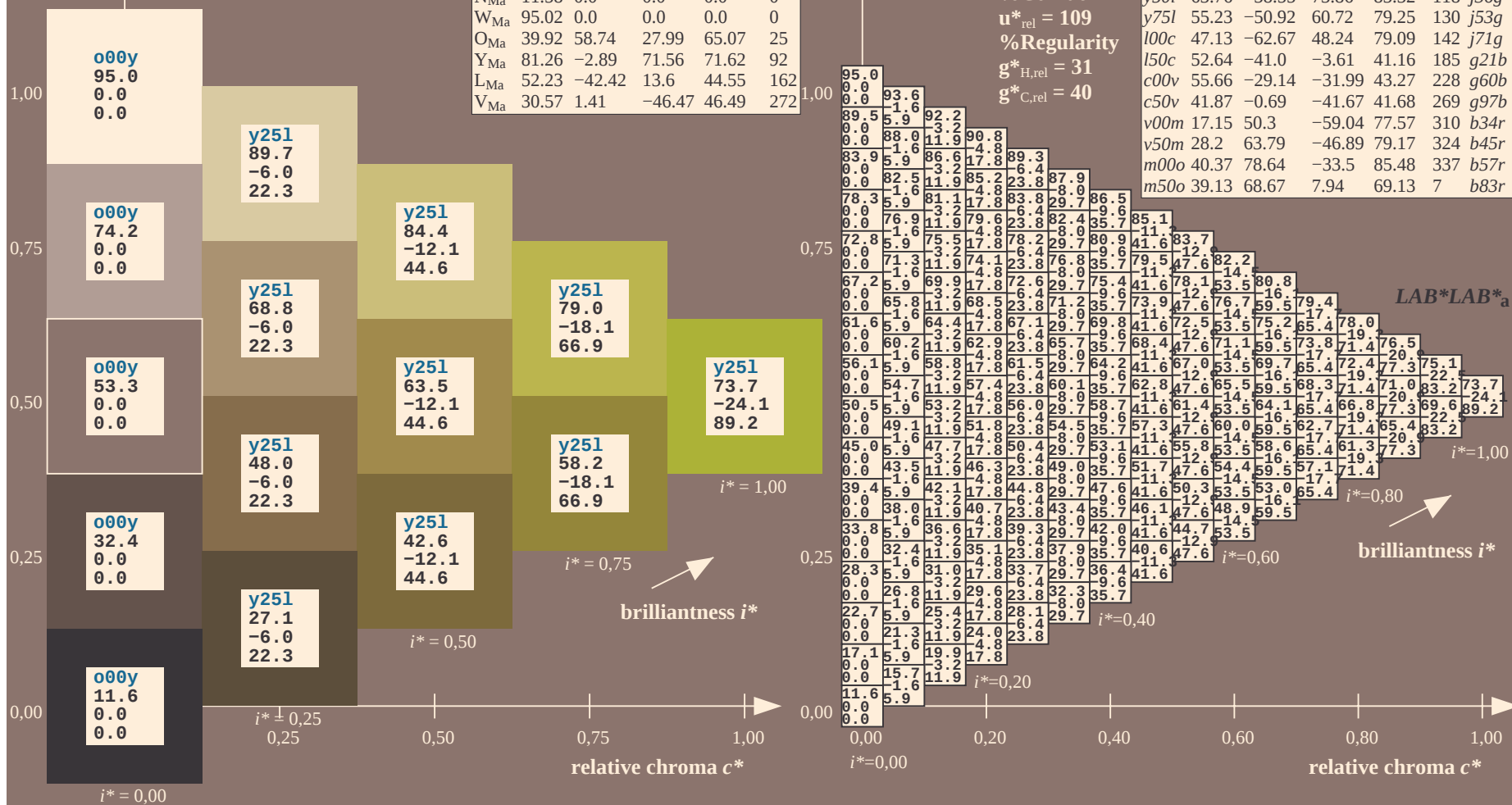
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

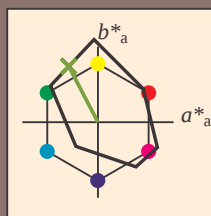
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

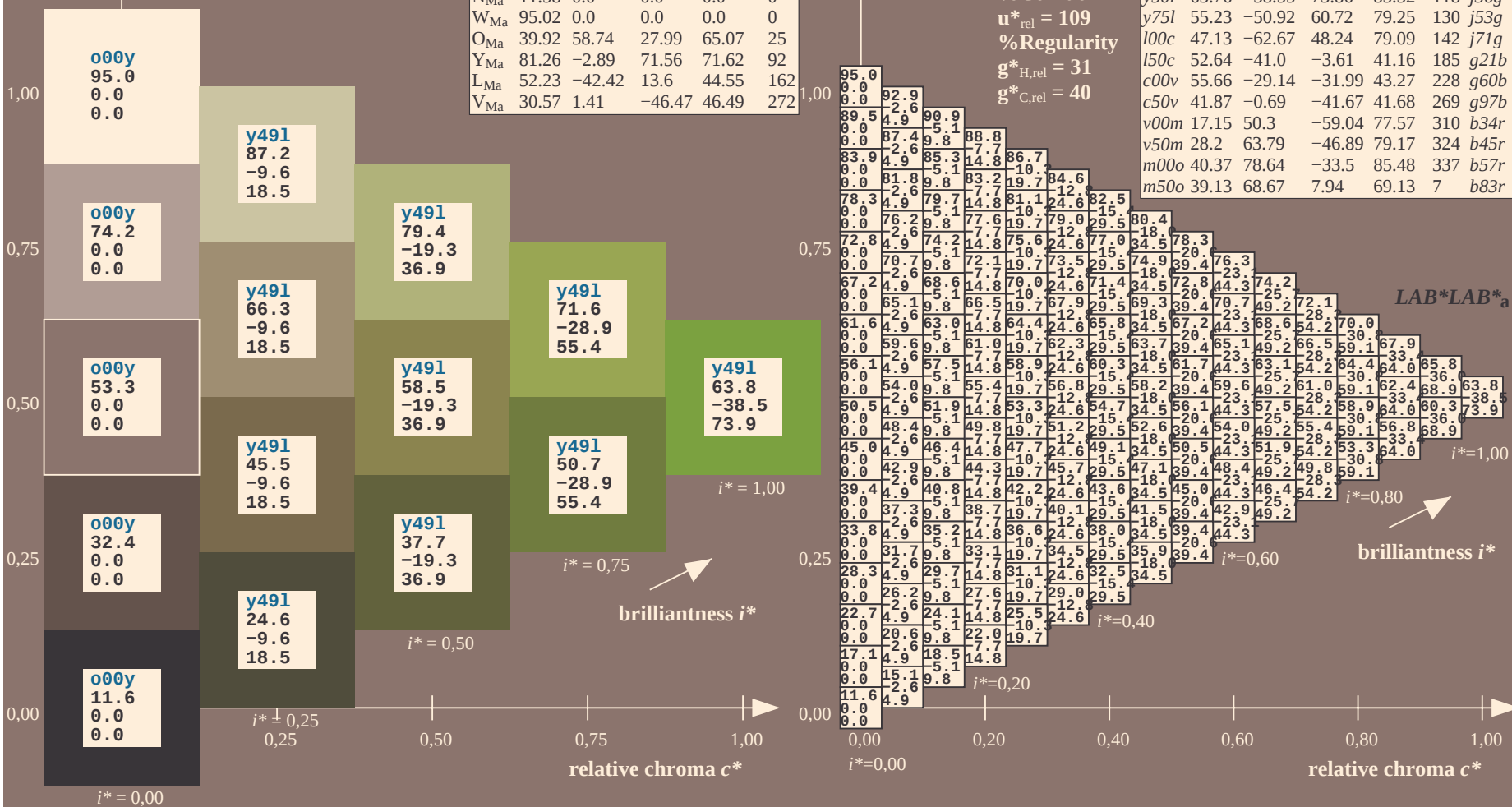
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

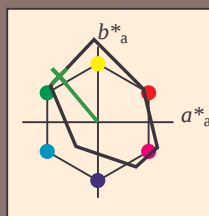
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

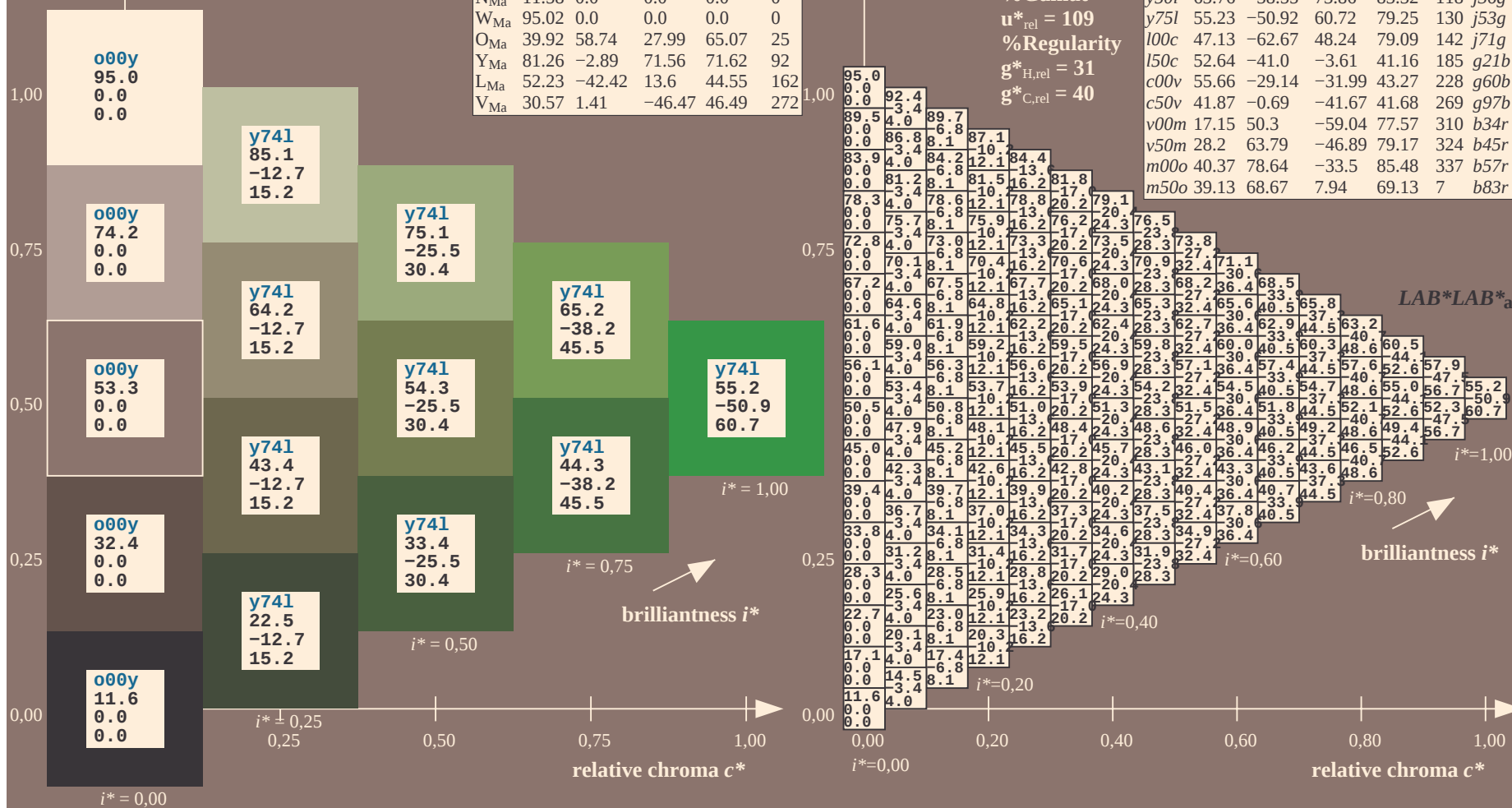
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

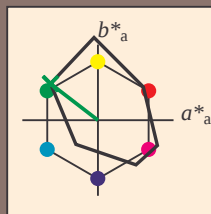
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

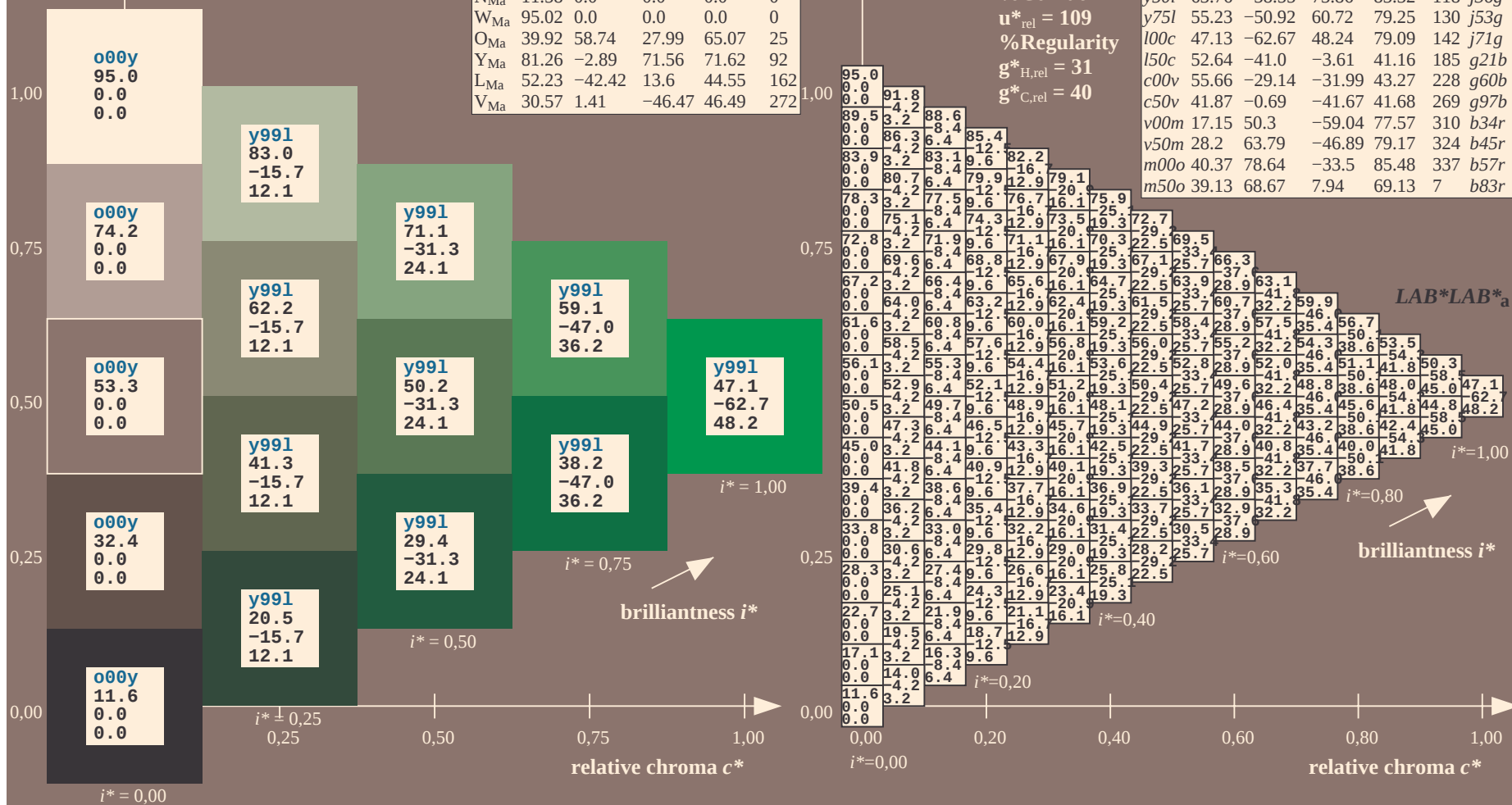
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

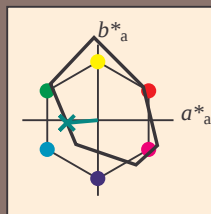
Hue texts:

$u^*_d = 150c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

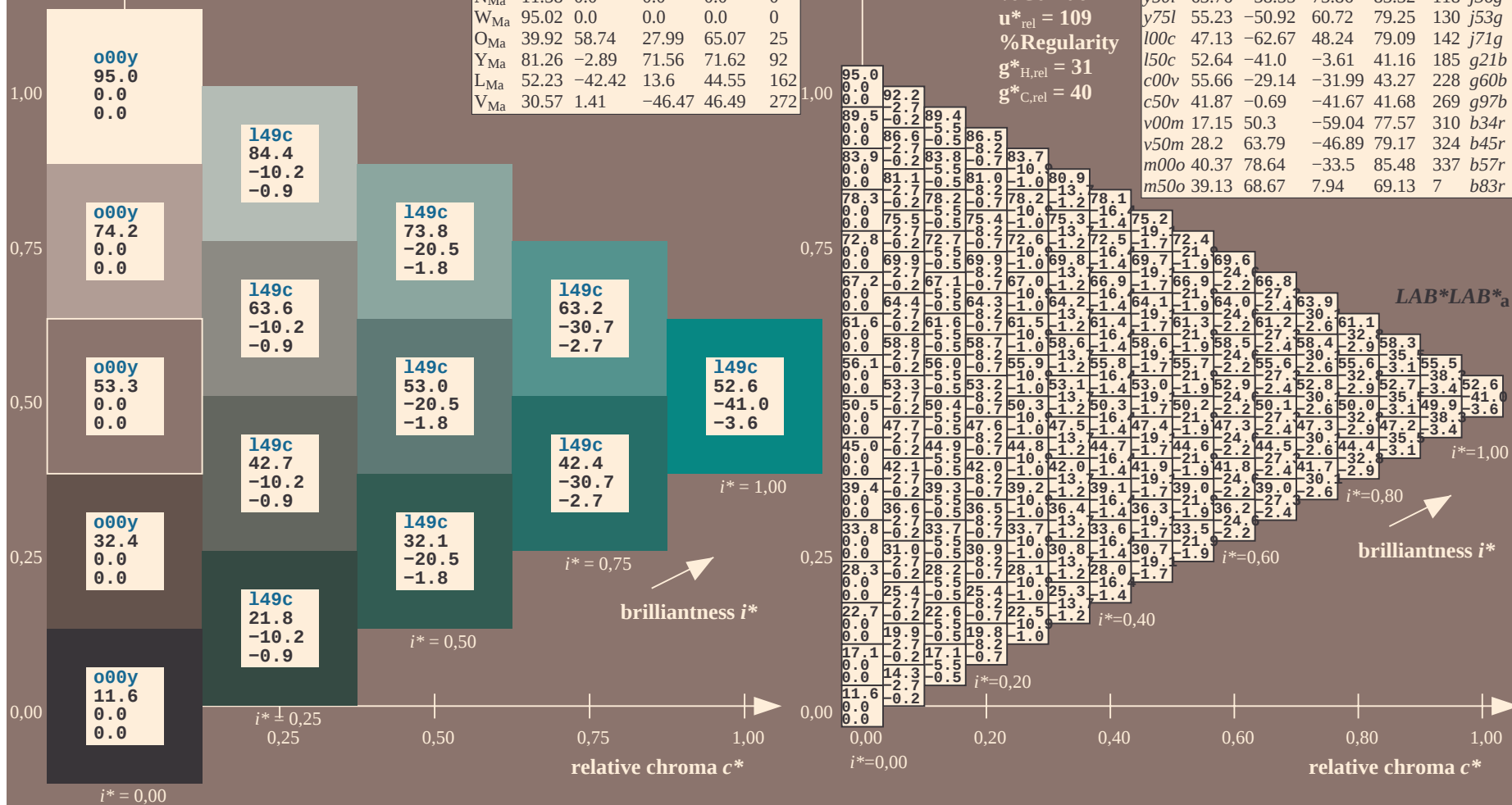
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

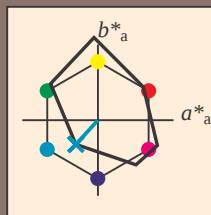
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

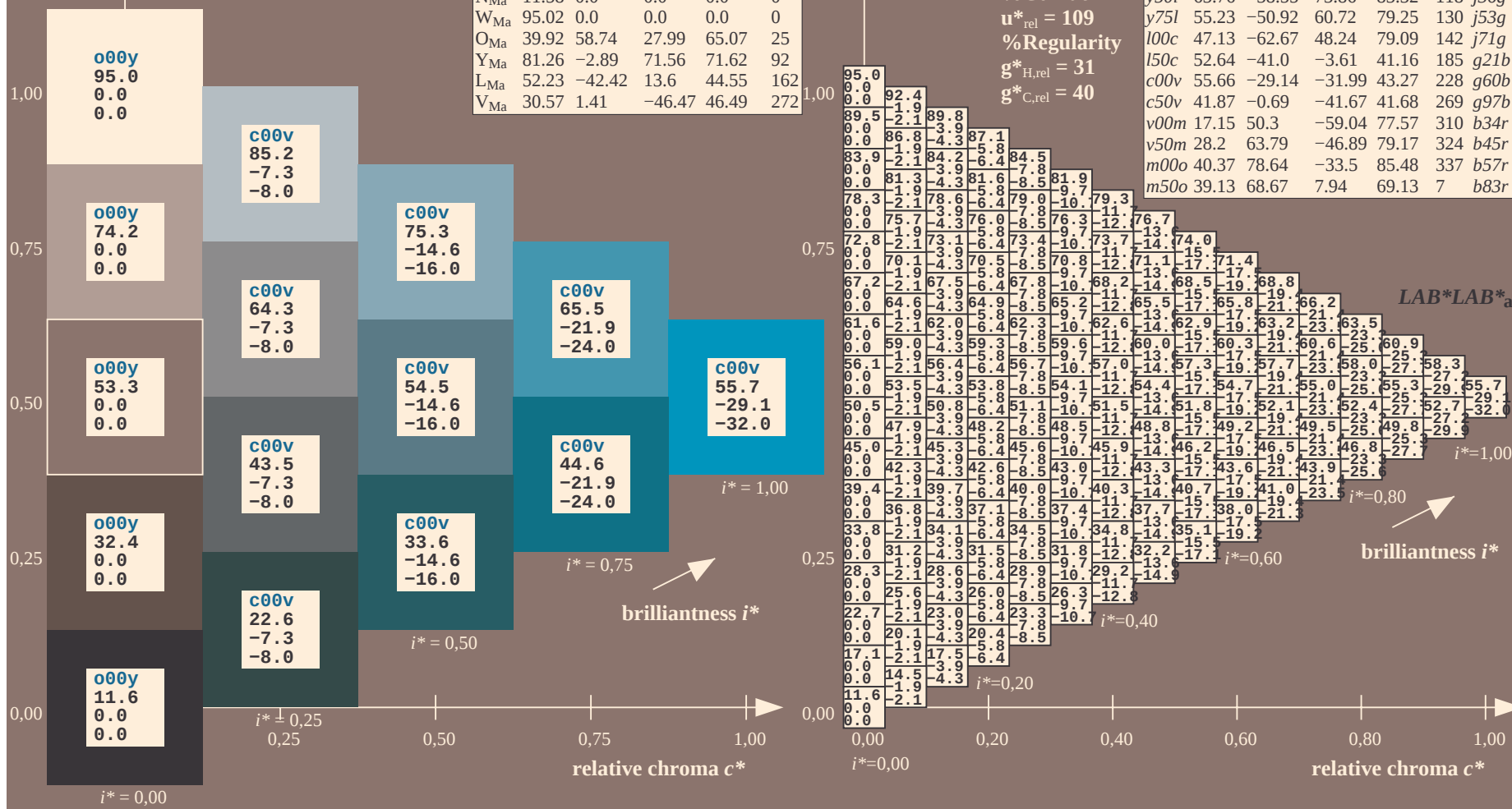
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$ data for any colour: Data for maximum colour (Ma):

$$u_d^* = c50v_{LAB^*LAB^*a}$$

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

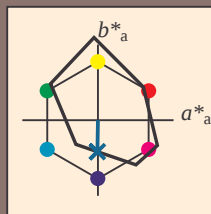
Hue texts:

$$u^*_d = c50v \quad u^*_p = q97b$$

contrast reduction factor:

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

triangle lightness t



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0		44.0	74.4	36
Y _{Ma}	86.77	-5.17		109.32	109.44	93
L _{Ma}	47.13	-62.67		48.24	79.09	142
C _{Ma}	55.66	-29.14		-31.99	43.27	228
V _{Ma}	17.15	50.3		-59.04	77.57	310
M _{Ma}	40.37	78.64		-33.5	85.48	337
N _{Ma}	11.58	0.0		0.0	0.0	0
W _{Ma}	95.02	0.0		0.0	0.0	0
O _{Ma}	39.92	58.74		27.99	65.07	25
Y _{Ma}	81.26	-2.89		71.56	71.62	92
L _{Ma}	52.23	-42.42		13.6	44.55	162
V _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

$$LAB*LAB*_{\epsilon} : 42 \rightarrow 1 \rightarrow 42$$

LAB*LAB*Ma. 42 1 42
LAB*LAB* 42 42 262

LAB*LCH*Ma: 42 42 2

*lab*olv**Ma: 0.0 0.5 1.0

*lab*rgb*_Ma*: 0.0 0.05 1.

triangle lightness t^*

triangle lightness 1

%Gamut

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

%Regularity

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.52	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	

*LAB*LAB**_a

$$j^* = 1.00$$
brilliantness i^*

brilliantness i^*

relative chroma c^*
$$i^*=0,00$$
relative chroma c^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

BAM registration: 20081001-Fe62/10L/L62e0FP.PDF/.PS BAM material: code=rhata
+ application for evaluation and measurement of printer or monitor systems

–See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

BAM material: code=rha4ta

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

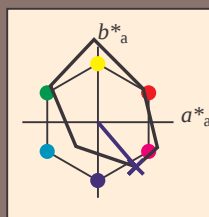
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

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

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

triangle lightness t^*

%Gamut

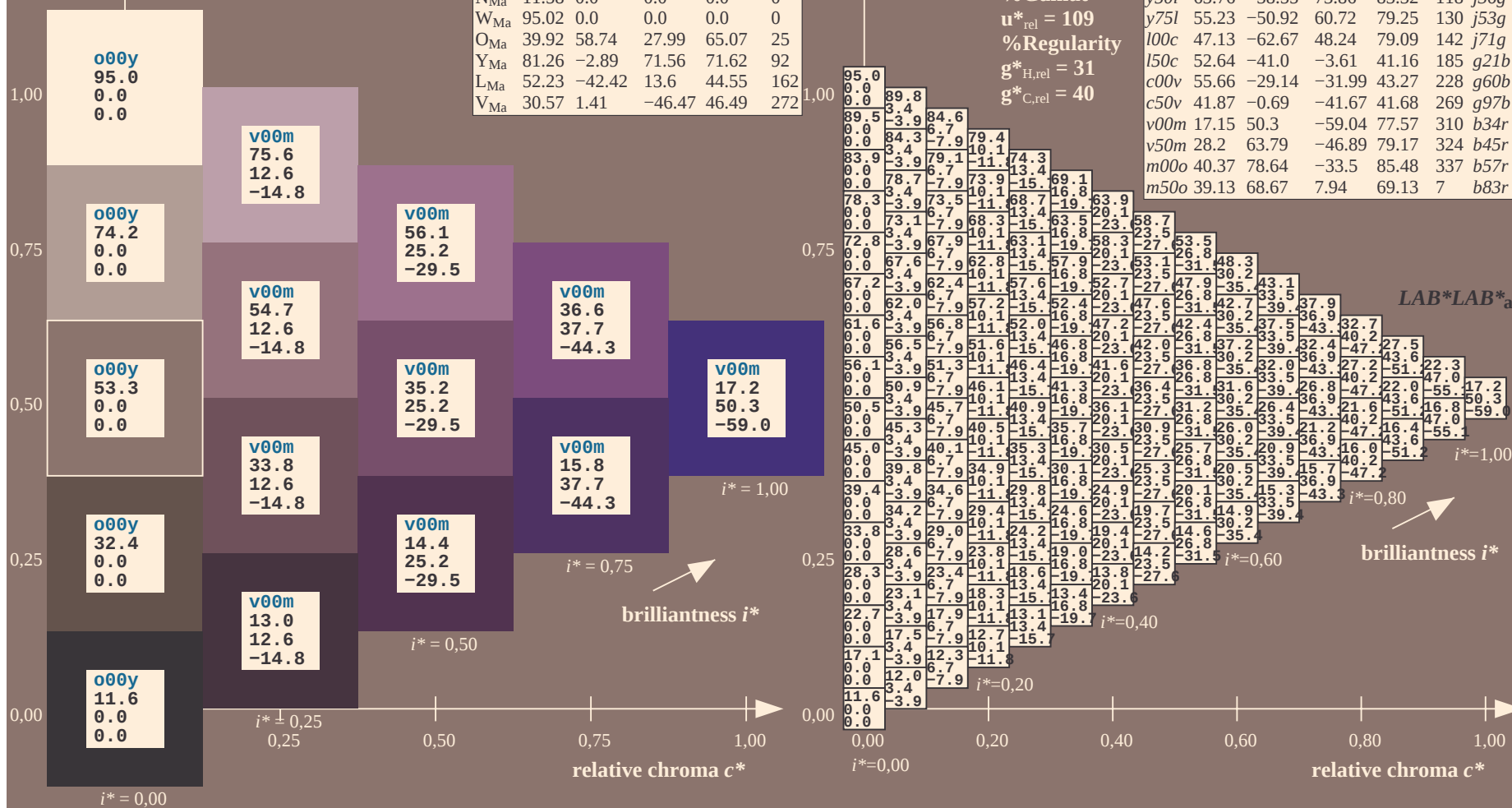
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

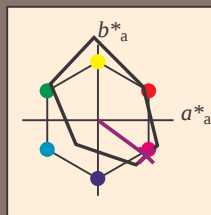
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 28 64 -47

$LAB^*LCH^*_Ma$: 28 79 323

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

$lab^*rgb^*_Ma$: 0.91 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

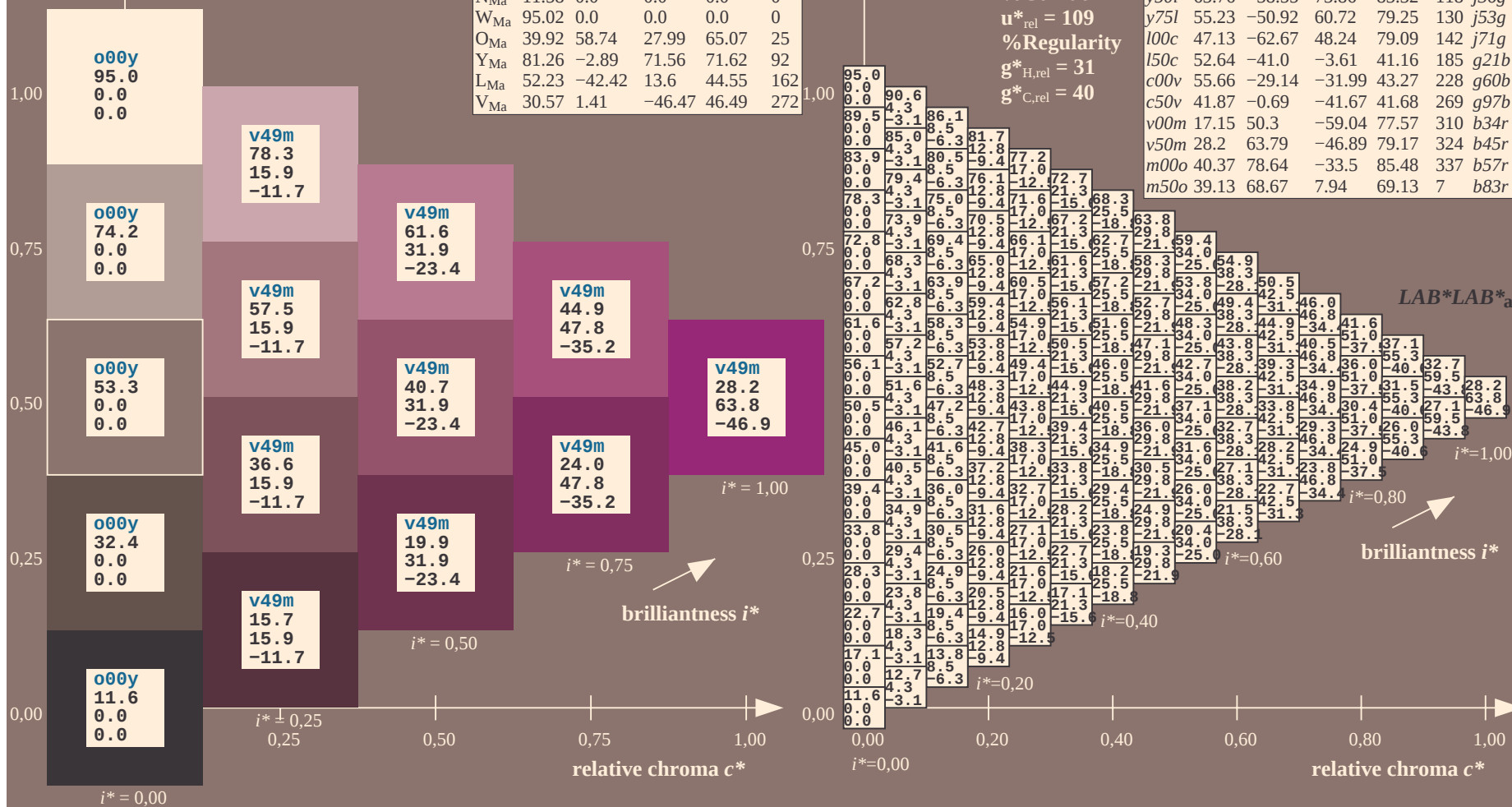
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

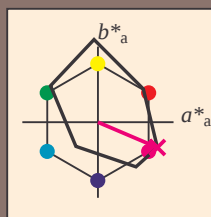
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

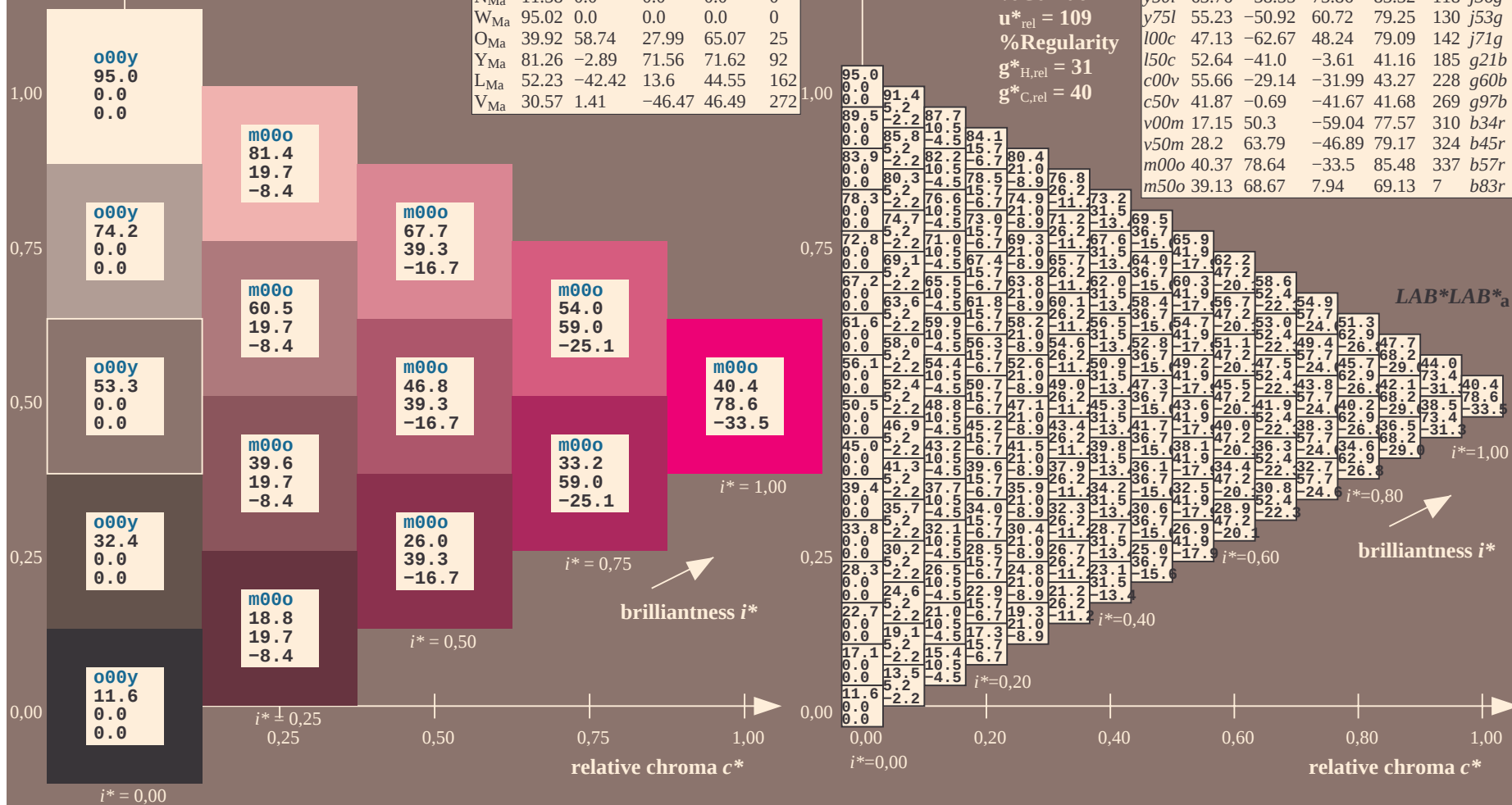
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

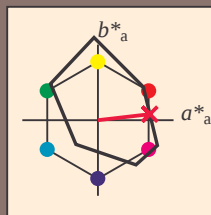
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

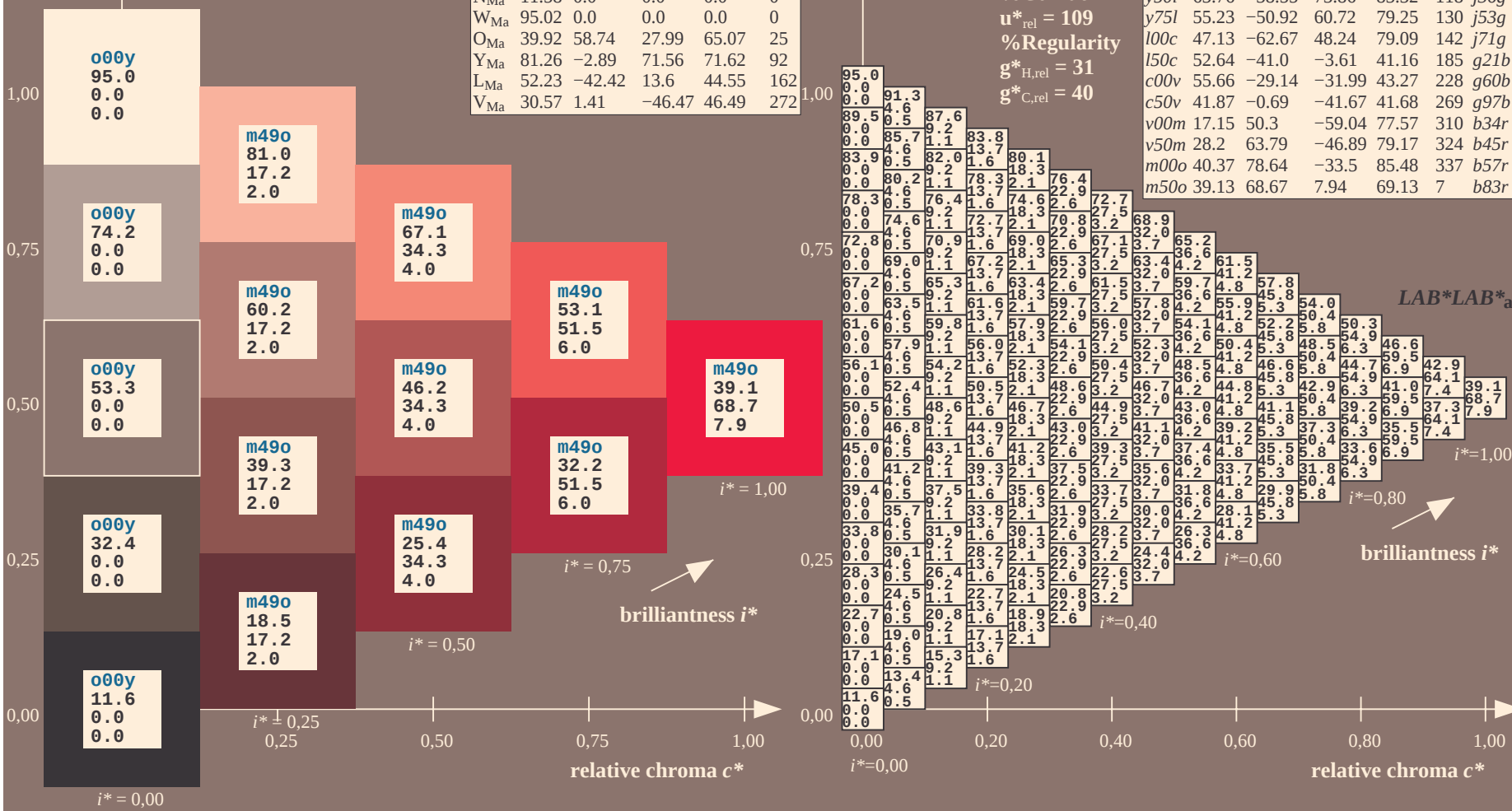
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = m50o$
 $LAB^*LAB^*_{Ma}$



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/; www.ps.bam.de/Fe62/
Technical information: <http://www.ps.bam.de> Version 2.1, io=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*LAB*a
01	11.6	16.0	20.5	24.9	29.4	33.8	38.2	42.7	47.1	51.6	56.0	60.4	64.8	69.3	73.7	78.1	82.5	86.9	91.3	95.7	100.1	104.5	108.9	113.3	117.7	122.1	126.5	130.9	135.3	139.7	144.1	148.5	152.9	157.3	161.7	166.1	170.5	174.9
02	9.0	7.8	15.7	23.5	31.3	39.2	47.0	54.8	62.7	70.5	78.3	86.1	93.9	101.7	109.5	117.3	125.1	132.9	140.7	148.5	156.3	164.1	171.9	179.7	187.5	195.3	203.1	210.9	218.7	226.5	234.3	242.1	249.9	257.7	265.5	273.3	281.1	288.9
03	6.3	3.6	10.2	17.1	24.2	31.3	38.4	45.5	52.6	59.7	66.8	73.9	81.0	88.1	95.2	102.3	109.4	116.5	123.6	130.7	137.8	144.9	152.0	159.1	166.2	173.3	180.4	187.5	194.6	201.7	208.8	215.9	223.0	230.1	237.2	244.3	251.4	258.5
04	3.4	-1.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	32.8	38.2	43.6	49.0	54.4	59.8	65.2	70.6	76.0	81.4	86.8	92.2	97.6	103.0	108.4	113.8	119.2	124.6	130.0	135.4	140.8	146.2	151.6	157.0	162.4	167.8	173.2	178.6	184.0
05	13.0	19.2	22.6	27.4	32.1	36.8	41.5	46.1	50.8	55.5	60.2	64.9	69.6	74.3	79.0	83.7	88.4	93.1	97.8	102.5	107.2	111.9	116.6	121.3	126.0	130.7	135.4	140.1	144.8	149.5	154.2	158.9	163.6	168.3	173.0	177.7	182.4	187.1
06	12.6	-0.2	7.3	13.9	20.5	27.3	34.2	41.2	48.1	55.0	61.9	68.8	75.7	82.6	89.5	96.4	103.3	110.2	117.1	124.0	130.9	137.8	144.7	151.6	158.5	165.4	172.3	179.2	186.1	193.0	200.0	206.9	213.8	220.7	227.6	234.5	241.4	
07	-14.8	-10.4	-8.0	-4.9	-1.8	1.7	5.5	9.7	14.1	11.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	32.8	38.2	43.6	49.0	54.4	59.8	65.2	70.6	76.0	81.4	86.8	92.2	97.6	103.0	108.4	113.8	119.2	124.6	
08	13.7	20.9	24.7	28.1	32.8	37.6	42.4	47.1	51.8	56.5	61.2	65.9	70.6	75.3	80.0	84.7	89.4	94.1	98.8	103.5	108.2	112.9	117.6	122.3	127.0	131.7	136.4	141.1	145.8	150.5	155.2	159.9	164.6	169.3	174.0	178.7	183.4	
09	18.9	3.9	-3.8	-10.9	-17.6	-24.1	-30.7	-37.5	-44.2	-50.9	-57.6	-64.3	-71.0	-77.7	-84.4	-91.1	-97.8	-104.5	-111.2	-117.9	-124.6	-131.3	-138.0	-144.7	-151.4	-158.1	-164.8	-171.5	-178.2	-184.9	-191.6	-198.3	-205.0	-211.7	-218.4	-225.1		
10	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	4.4	-1.9	-14.8	-10.8	-7.3	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	32.8	38.2	43.6	49.0	54.4	59.8	65.2	70.6	76.0	81.4	86.8	92.2	97.6	103.0	108.4		
11	14.4	22.4	26.7	30.1	33.6	38.3	43.1	47.9	52.6	57.3	62.0	66.7	71.4	76.1	80.8	85.5	90.2	94.9	99.6	104.3	109.0	113.7	118.4	123.1	127.8	132.5	137.2	141.9	146.6	151.3	156.0	160.7	165.4	170.1	174.8	179.5		
12	25.2	8.6	-0.3	-7.3	-14.6	-21.3	-27.8	-34.1	-40.5	-46.8	-53.1	-59.4	-65.7	-72.0	-78.3	-84.6	-90.9	-97.2	-103.5	-109.8	-116.1	-122.4	-128.7	-135.0	-141.3	-147.6	-153.9	-160.2	-166.5	-172.8	-179.1	-185.4	-191.7	-198.0	-204.3			
13	-29.5	-23.9	-20.8	-18.5	-16.0	-12.6	-9.7	-6.8	-3.6	-2.6	-22.1	-17.0	-14.4	-12.0	-8.7	-5.8	-2.7	0.7	4.4	-1.9	-14.8	-10.8	-7.3	-4.0	-0.9	2.8	7.1	11.8	16.8	22.0	27.4	32.8	38.2	43.6	49.0			
14	15.1	23.7	28.6	32.5	35.6	39.1	43.8	48.6	53.4	58.1	62.8	67.5	72.2	76.9	81.6	86.3	91.0	95.7	100.4	105.1	109.8	114.5	119.2	123.9	128.6	133.3	138.0	142.7	147.4	152.1	156.8	161.5	166.2	170.9	175.6			
15	31.4	13.7	3.5	-4.0	-10.9	-17.6	-24.1	-30.7	-37.5	-44.2	-50.9	-57.6	-64.3	-71.0	-77.7	-84.4	-91.1	-97.8	-104.5	-111.2	-117.9	-124.6	-131.3	-138.0	-144.7	-151.4	-158.1	-164.8	-171.5	-178.2	-184.9	-191.6	-198.3	-205.0				
16	15.8	24.8	30.3	34.3	37.7	41.0	44.6	49.3	54.1	58.9	63.7	68.5	73.3	78.1	82.9	87.7	92.5	97.3	102.1	106.9	111.7	116.5	121.3	126.1	130.9	135.7	140.5	145.3	150.1	154.9	159.7	164.5	169.3	174.1	178.9			
17	37.7	19.0	7.8	-0.5	-7.6	-14.4	-21.9	-28.7	-35.2	-41.3	-47.4	-53.5	-59.6	-65.7	-71.8	-77.9	-83.9	-90.0	-96.1	-102.2	-108.3	-114.4	-120.5	-126.6	-132.7	-138.8	-144.9	-151.0	-157.1	-163.2	-169.3	-175.4	-181.5	-187.6				
18	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.9	-17.4	-14.1	-36.9	-30.8	-27.4	-24.8	-22.5	-20.0	-16.5	-13.6	-38.3	-33.9	-29.5	-23.6	-20.3	-17.3	-14.6	-12.6	-9.7	-7.4	-4.0	-0.9	2.8	7.1	11.8	16.8				
19	16.6	25.9	31.8	36.2	39.8	43.2	46.5	50.1	54.8	59.2	63.7	68.2	72.7	77.2	81.7	86.2	90.7	95.2	99.7	104.2	108.7	113.2	117.7	122.2	126.7	131.2	135.7	140.2	144.7	149.2	153.7	158.2	162.7	167.2	171.7			
20	44.5	24.6	12.3	3.3	4.2	-11.1	-18.0	-25.5	-32.3	-38.7	-44.7	-50.7	-56.7	-62.7	-68.7	-74.7	-80.7	-86.7	-92.7	-98.7	-104.7	-110.7	-116.7	-122.7	-128.7	-134.7	-140.7	-146.7	-152.7	-158.7	-164.7	-170.7	-176.7	-182.7				
21	-51.7	-45.0	-40.9	-37.8	-35.2	-32.9	-30.5	-28.0	-24.4	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-20.4	-45.6	-41.2	-34.8	-30.4	-24.8	-22.4	-20.0	-16.5	-13.6	-10.8	-8.0	-5.2	-2.4	0.4	3.2	6.0				
22	17.2	26.9	31.8	36.2	41.0	45.8	50.6	55.4	60.2	65.0	69.8	74.6	79.4	84.2	89.0	93.8	98.6	103.4	108.2	113.0	117.8	122.6	127.4	132.2	137.0	141.8	146.6	151.4	156.2	161.0	165.8	170.6	175.4	180.2				
23	59.3	30.2	17.1	7.3	-0.7	-7.8	-14.7	-21.6	-29.5	-36.4	-43.3	-50.2	-57.1	-64.0	-70.9	-77.8	-84.7	-91.6	-98.5	-105.4	-112.3	-119.2	-126.1	-133.0	-139.9	-146.8	-153.7	-160.6	-167.5	-174.4	-181.3	-188.2	-195.1					
24	-59.0	-52.2	-47.7	-44.4	-41.7	-39.2	-36.9	-34.6	-32.0	-56.0	-51.7	-45.0	-40.9	-37.8	-35.2	-32.9	-30.5	-28.0	-53.0	-48.7	-44.3	-37.9	-34.1	-31.3	-28.8	-26.5	-24.0	-22.0	-20.0	-18.0	-16.0	-14.0	-12.0	-10.0				
25	21.5	26.3	31.8	36.8	42.6	46.5	50.7	55.0	59.4	63.8	68.2	72.6	77.0	81.4	85.8	90.2	94.6	99.0	103.4	107.8	112.2	116.6	121.0	125.4	129.8	134.2	138.6	143.0	147.4	151.8	156.2	160.6	165.0	169.4				
26	22.5	16.0	8.7	-1.9	-12.1	-20.7	-28.9	-36.9	-44.9	-52.9	-60.9	-68.9	-76.9	-84.9	-92.9	-100.9	-108.9	-116.9	-124.9	-132.9	-140.9	-148.9	-156.9	-164.9	-172.9	-180.9	-188.9	-196.9	-204.9	-212.9	-220.9	-228.9	-236.9					
27	16.5	23.0	30.3	41.0	44.6	49.8	55.4	61.2	67.1	72.9	78.7	84.5	90.3	96.1	101.9	107.7	113.5	119.3	125.1	130.9	136.7	142.5	148.3	154.1	160.0	165.8	171.6	177.4	183.2	189.0	194.8	200.6	206.4	212.2				
28	21.8	28.6	33.6	40.8	44.0	48.1	52.4	56.8	61.2	65.6	70.0	74.4	78.8	83.2	87.6	92.0	96.4	100.8	105.2	109.6	114.0	118.4	122.8	127.2	131.6	136.0	140.4	144.8	149.2	153.6	158.0	162.4	166.8	171.2				
29	7.3	11.0	8.4	-1.3	-11.0	-19.3	-27.3	-35.2	-43.2	-51.2	-59.2	-67.2	-75.2	-83.2	-91.2	-99.2	-107.2	-115.2	-123.2	-131.2	-139.2	-147.2	-155.2	-163.2	-171.2	-179.2	-187.2	-195.2	-203.2	-211.2	-219.2	-227.2	-235.2					
30	24.7	31.0	17.6	27.3	31.4	36.9	42.8	48.7	54.7	60.7	66.7	72.7	78.7	84.7	90.7	96.7	102.7	108.7	114.7	120.7	126.7	132.7	138.7	144.7	150.7	156.7	162.7	168.7	174.7	180.7	186.7	192.7	198.7					
31	20.8	28.9	35.8	41.8	45.9	49.8	54.3	58.7	63.1	67.5	71.9	76.3	80.7	85.1	89.5	93.9	98.3	102.7	107.1	111.5	115.9	120.3	124.7	129.1	133.5	137.9	142.3	146.7	151.1	155.5	159.9	164.3	168.7					
32	26.8	17.7	7.5	-9.8	-17.6	-25.3	-33.7	-41.3	-48.4	-55.9	-63.4	-70.9	-78.4	-85.9	-93.4	-100.9	-108.4	-115.9	-123.4	-130.9	-138.4	-145.9	-153.4	-160.9	-168.4	-175.9	-183.4	-190.9	-198.4	-205.9	-213.4	-220.9	-228.4					
33	24.4	29.2	35.0	40.9	47.6	53.8	60.2	66.6	73.0	79.4	85.8	92.2	98.6	105.0	111.4	117.8	124.2	130.6	137.0	143.4	149.8	156.2	162.6	169.0	175.4	181.8	188.2	194.6	201.0	207.4	213.8	220.2	226.6					
34	29.5	19.9	9.8	0.0	-7.3	-15.7	-23.5	-31.3	-39.2	-47.0	-54.8	-62.7	-70.5	-78.3	-86.1	-93.9	-101.7	-109.5	-117.3	-125.1	-132.9	-140.7	-148.5	-156.3	-164.1	-171.9	-179.7	-187.5	-195.3	-203.1	-210.9	-218.7						
35	-12.6	-8.4	-4.2	0.0	6.0	12.1	18.1	24.1	30.2	36.3	42.4	48.5	54.6	60.7	66.8	72.9	79.0	85.1	91.2	97.3	103.4	109.5	115.6	121.7	127.8	133.9	140.0	146.1	152.2	158.3	164.4	170.5	176.6					
36	22.8	29.7	36.6	43.6	48.4	53.1	57.8	62.5	67.2	71																												

Input and output:

Colorimetric Printer Reflective System FRS12_95a
data for any colour:

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

device hue text:

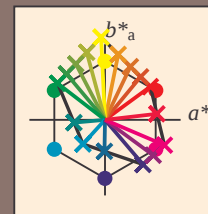
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

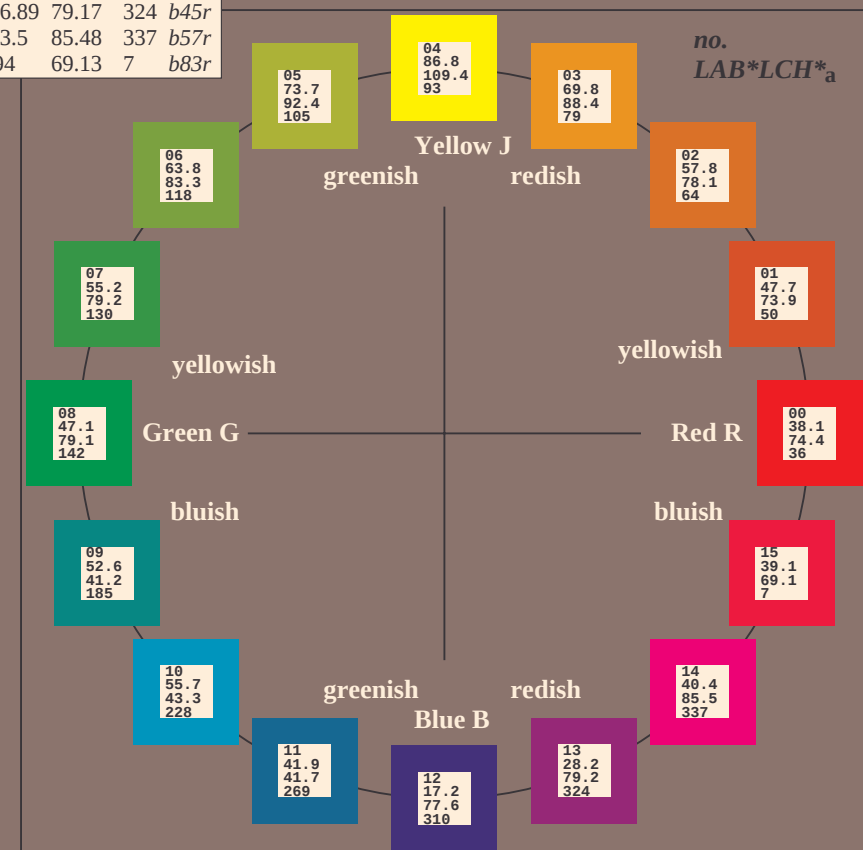
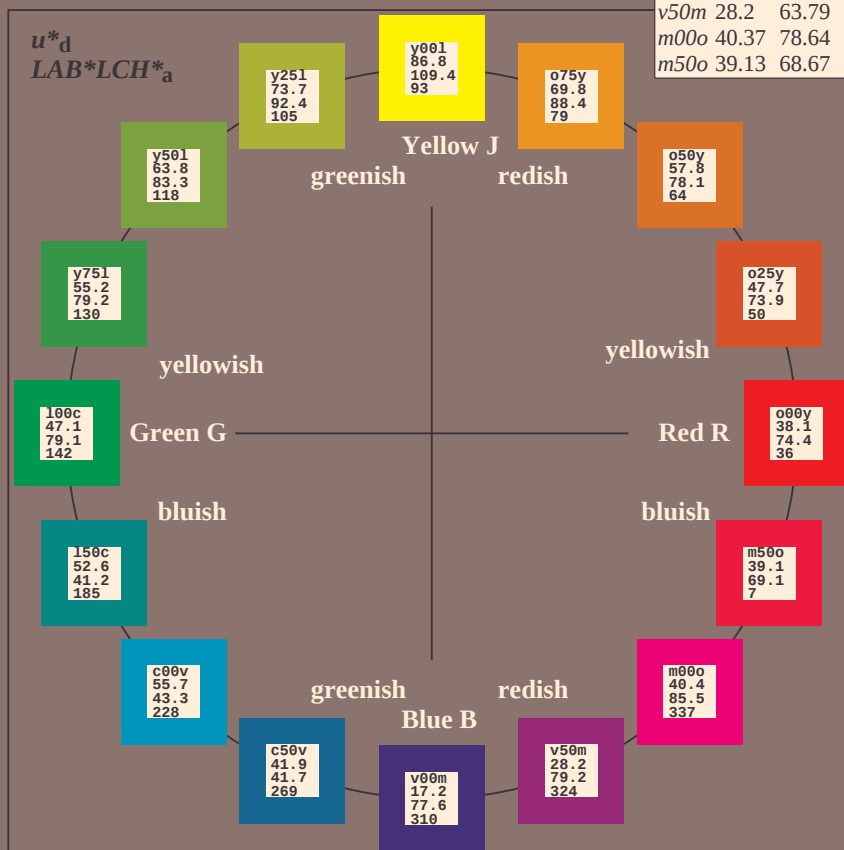
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

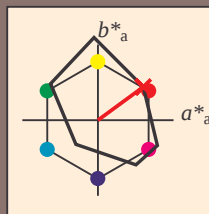
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 60 44

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 74 36

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.16 0.0

triangle lightness t^*

%Gamut

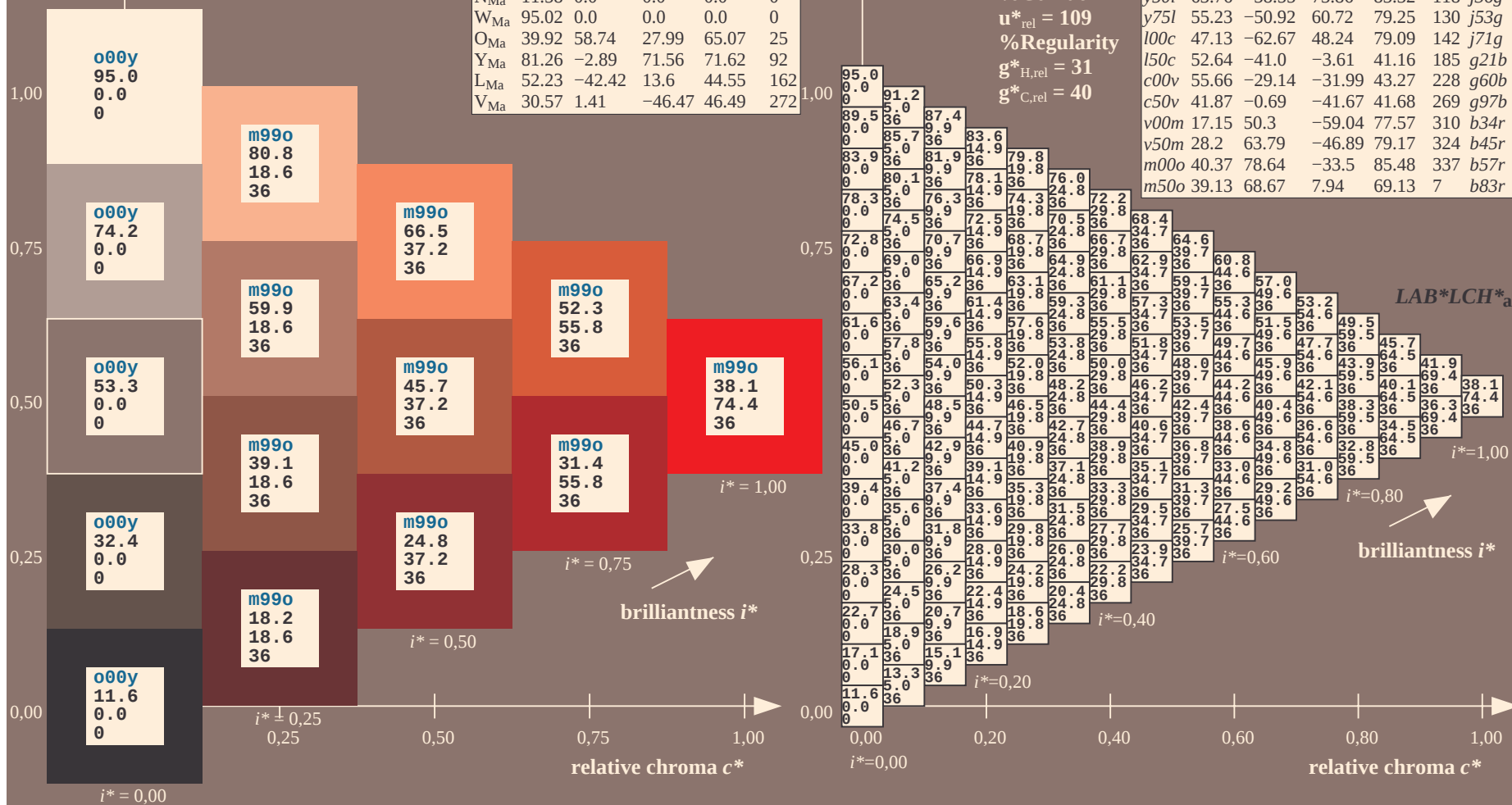
$u^*_{\text{rel}} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

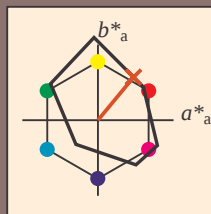
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

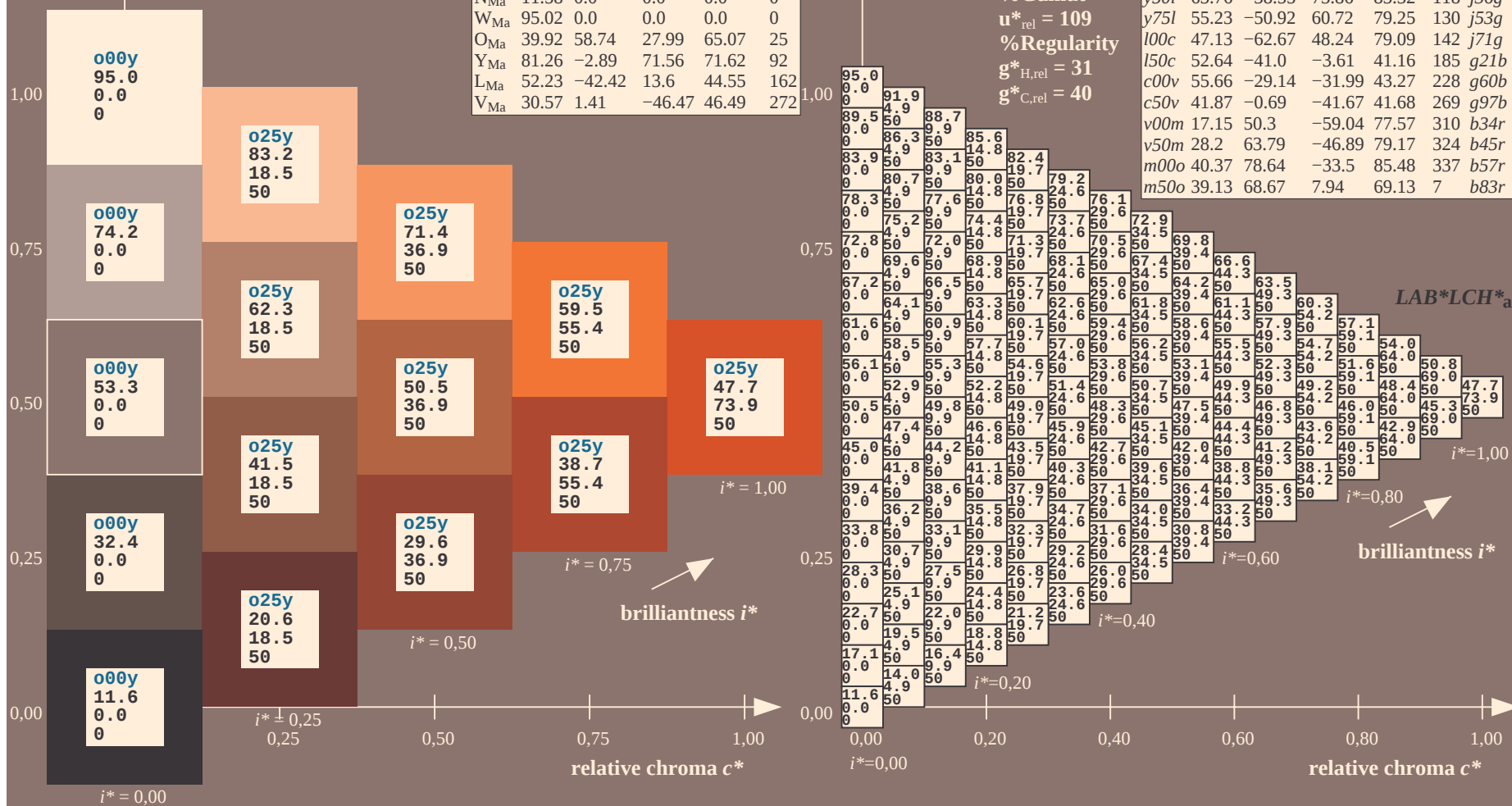
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

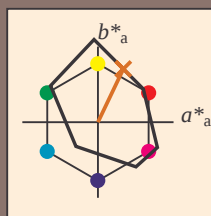
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

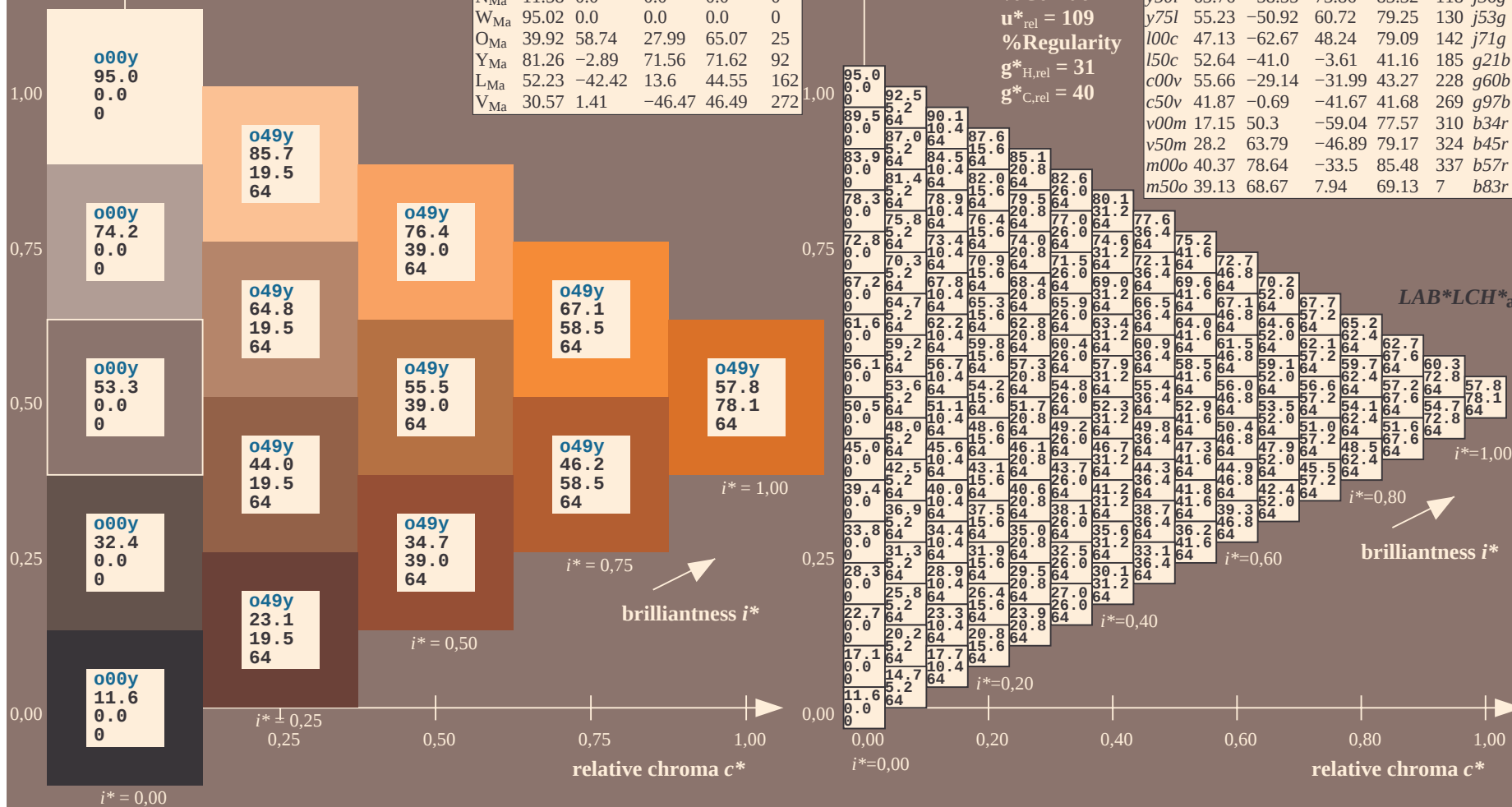
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

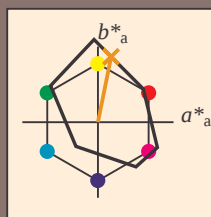
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

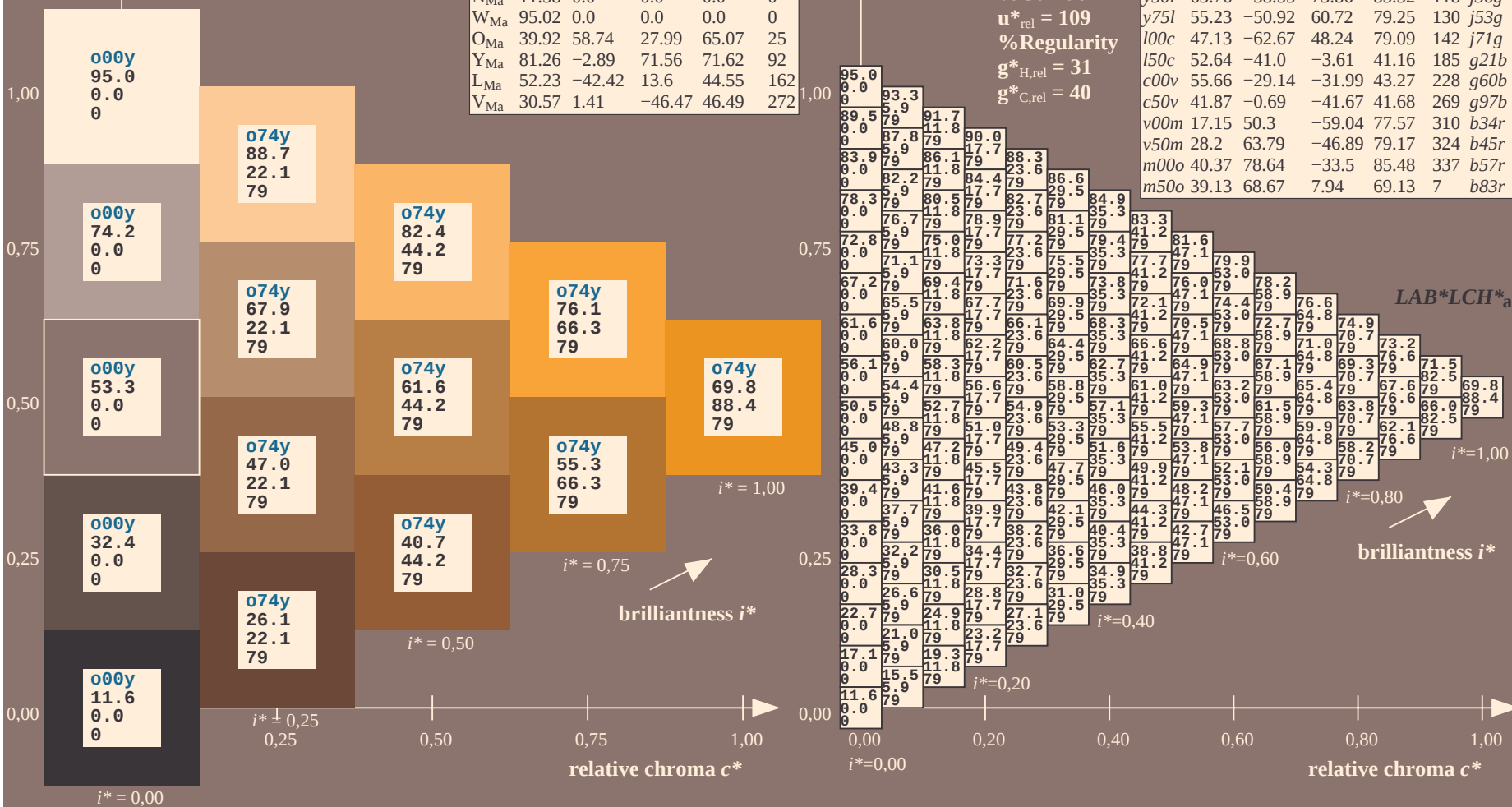
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

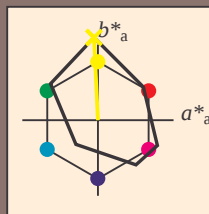
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

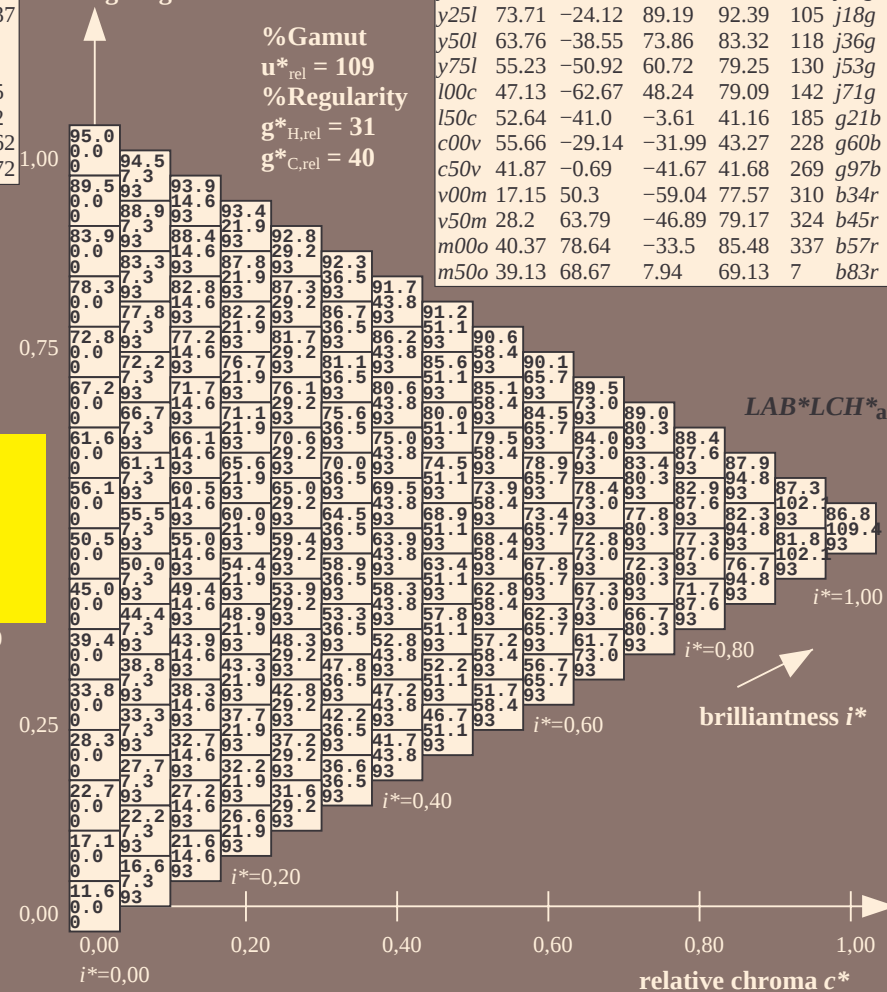
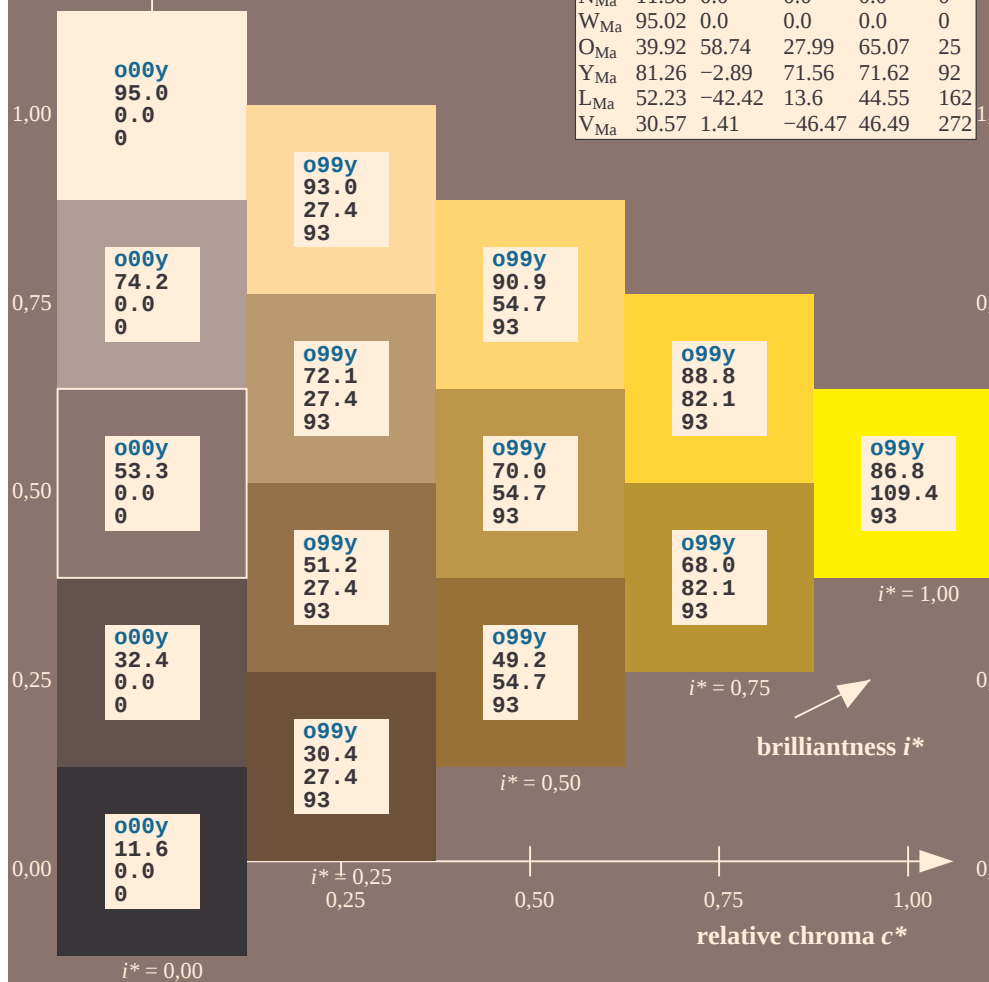
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

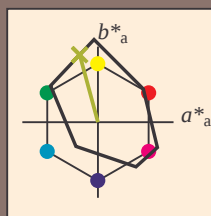
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

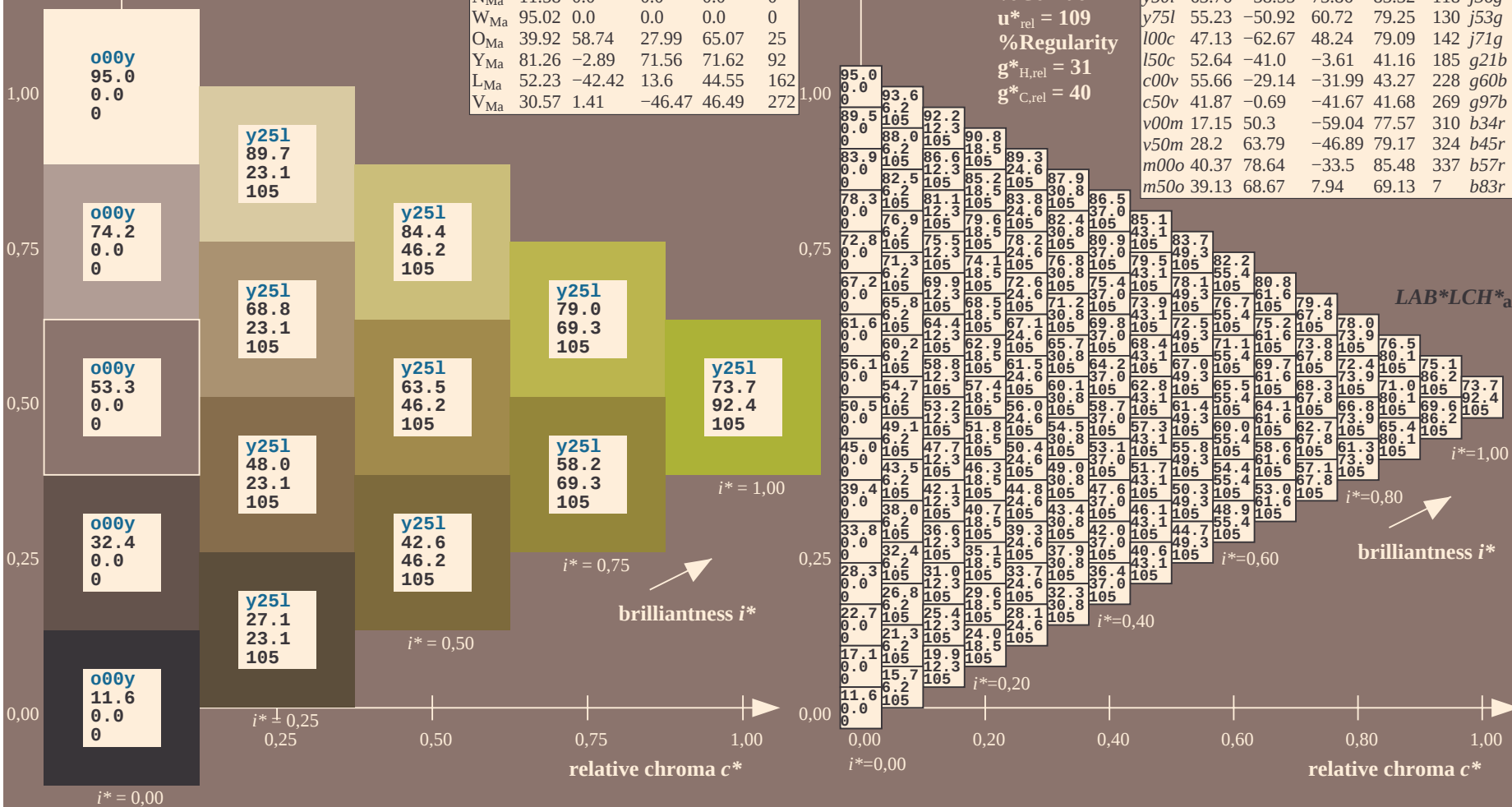
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

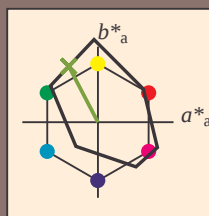
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

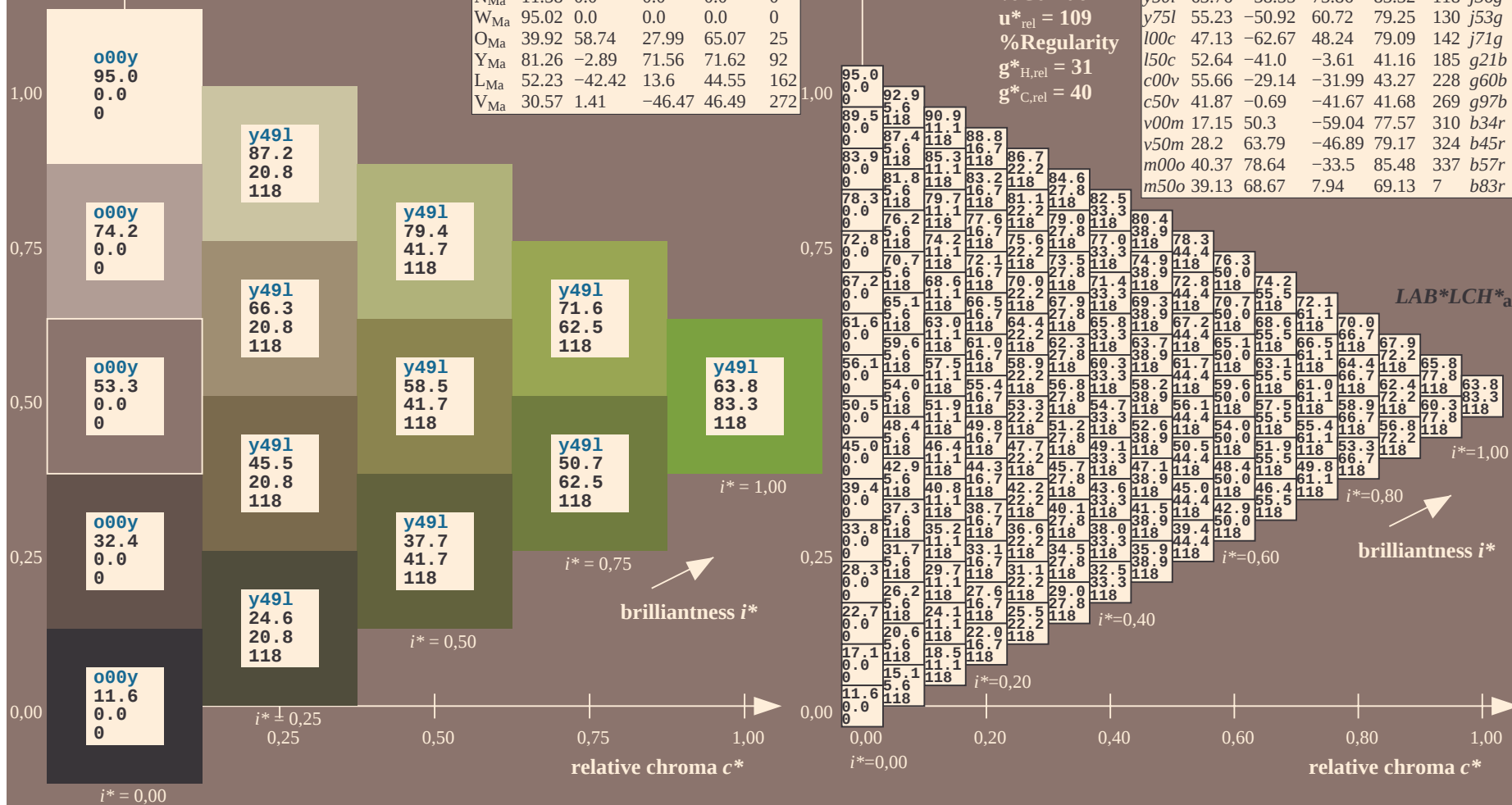
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

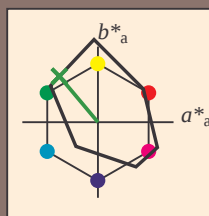
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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

$i^*=1.00$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

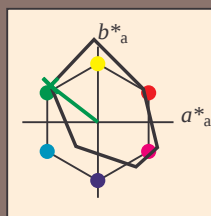
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

%Gamut

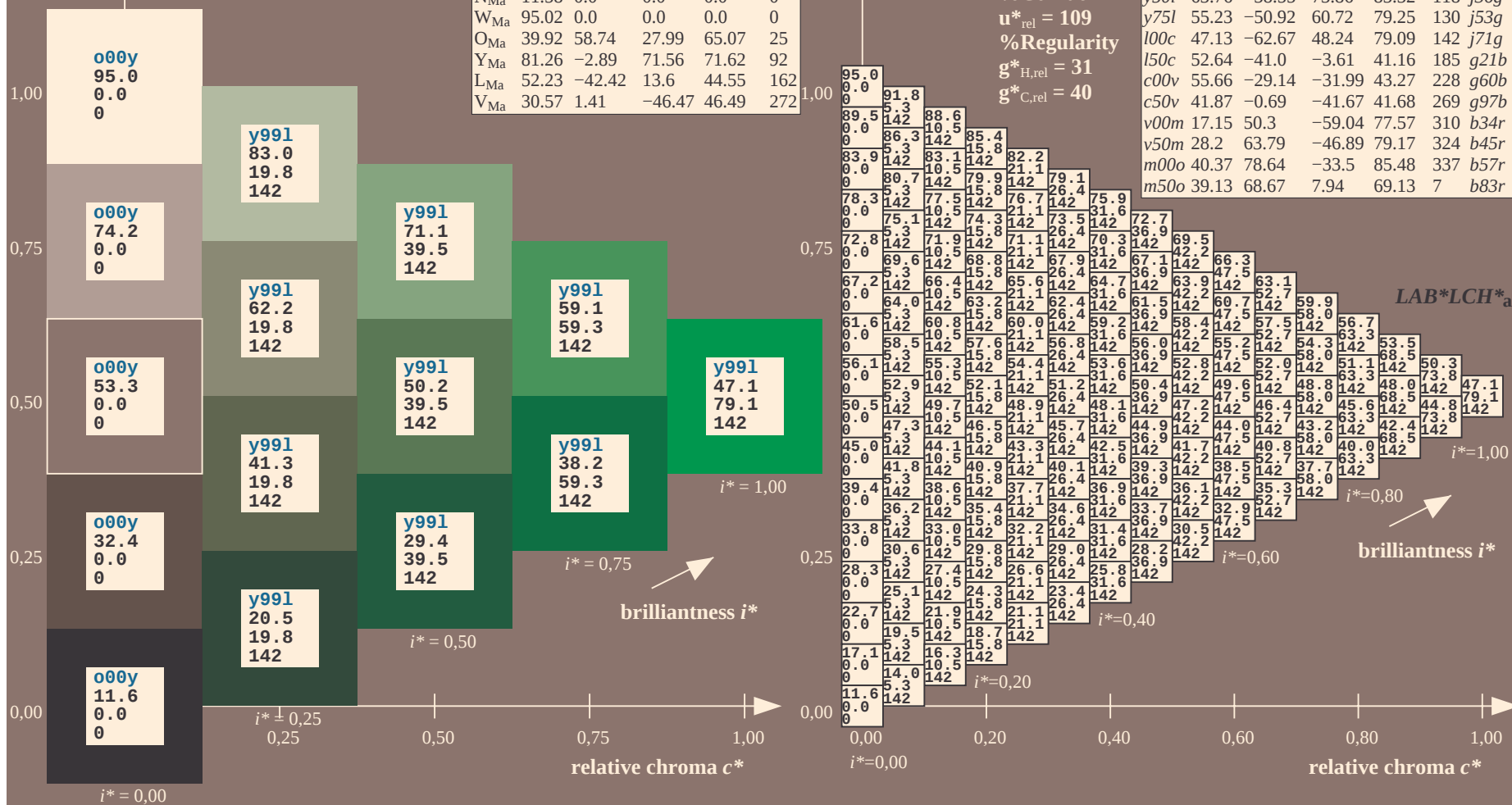
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

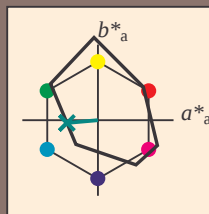
Hue texts:

$u^*_d = 150c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

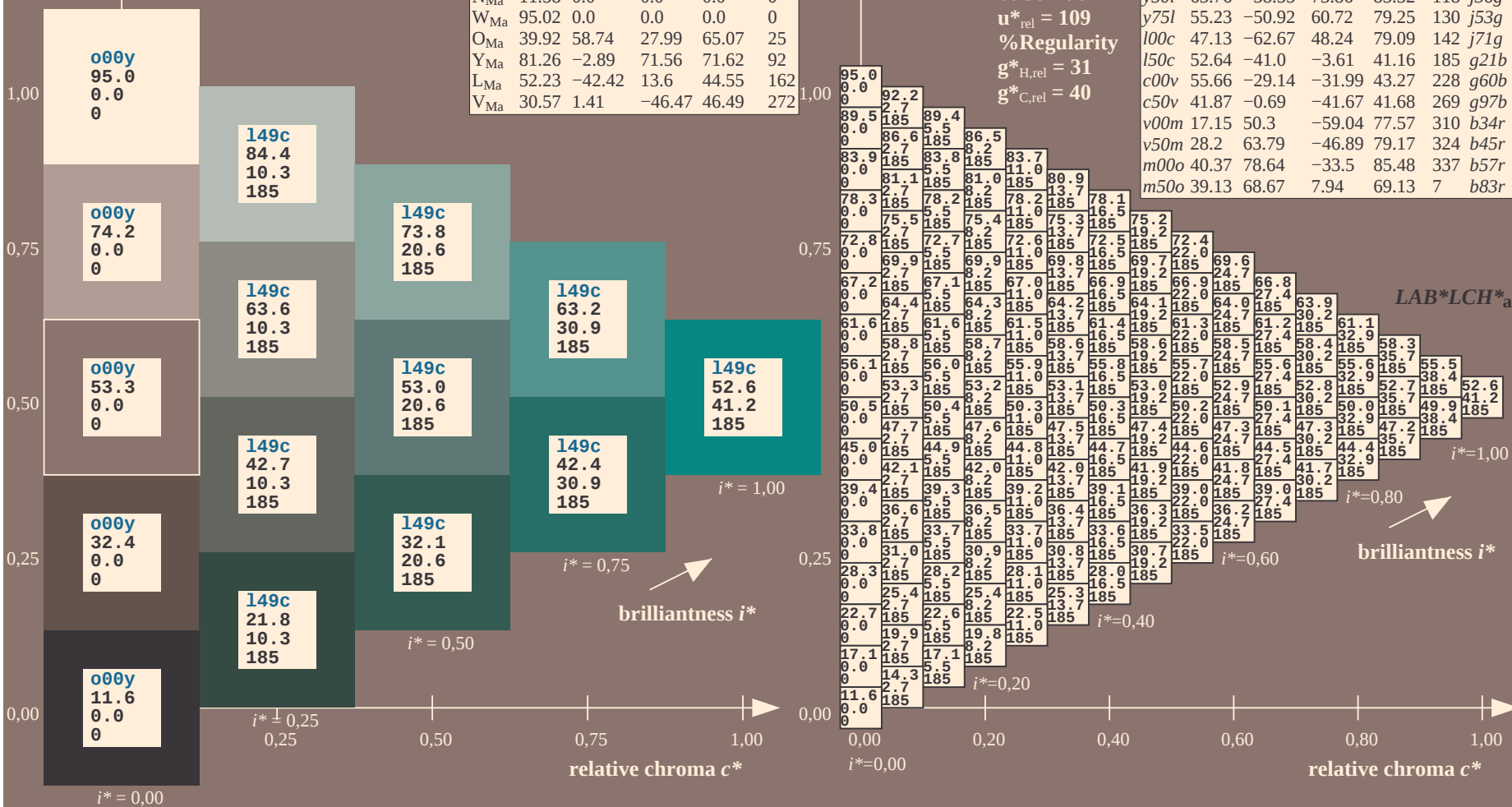
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

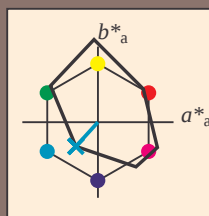
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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

$i^*=1.00$

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

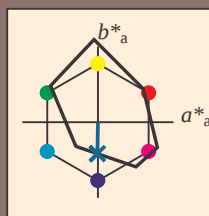
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

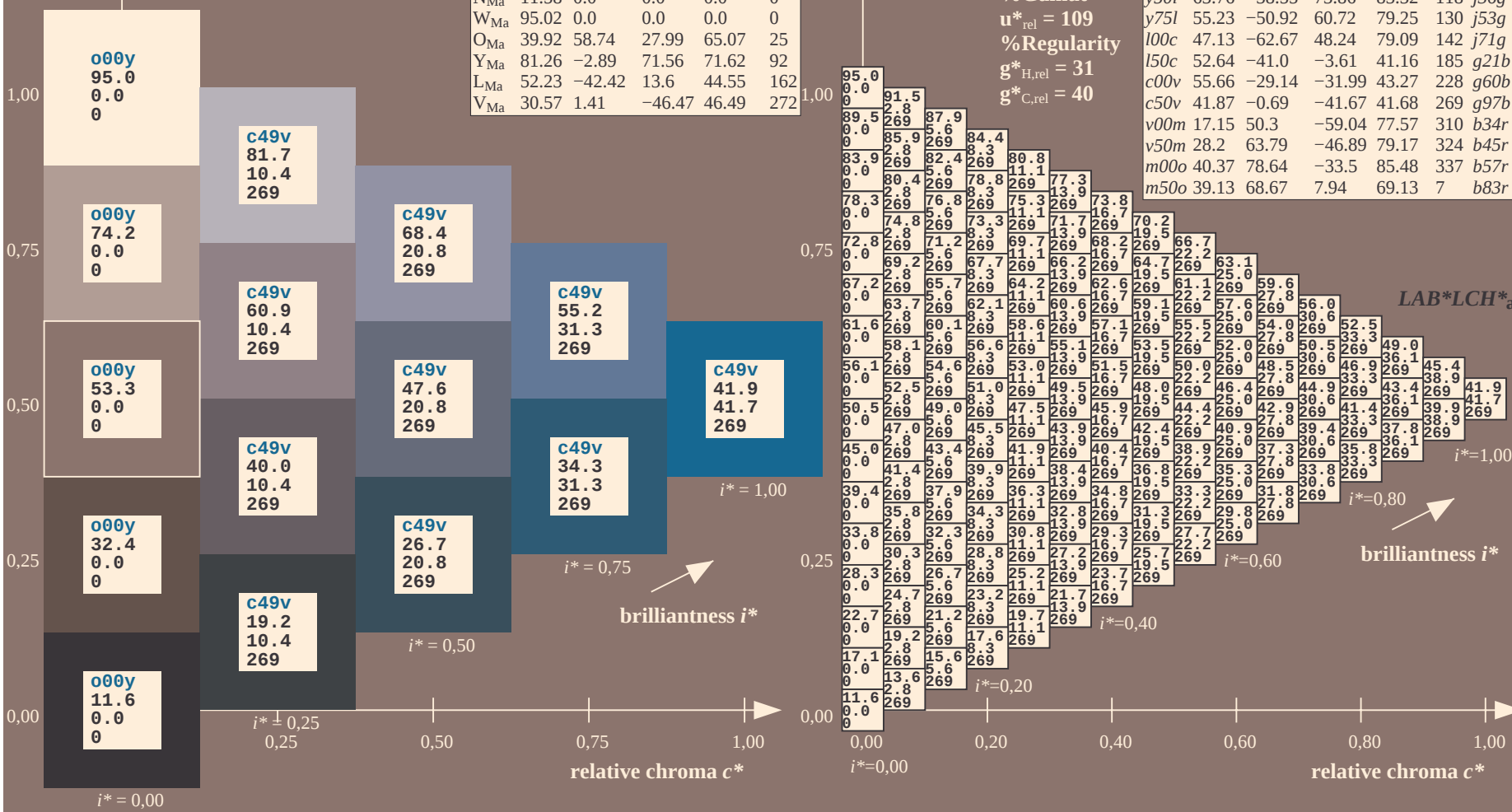
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

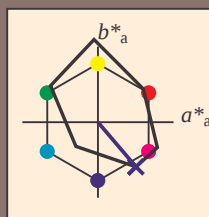
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

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

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

triangle lightness t^*

%Gamut

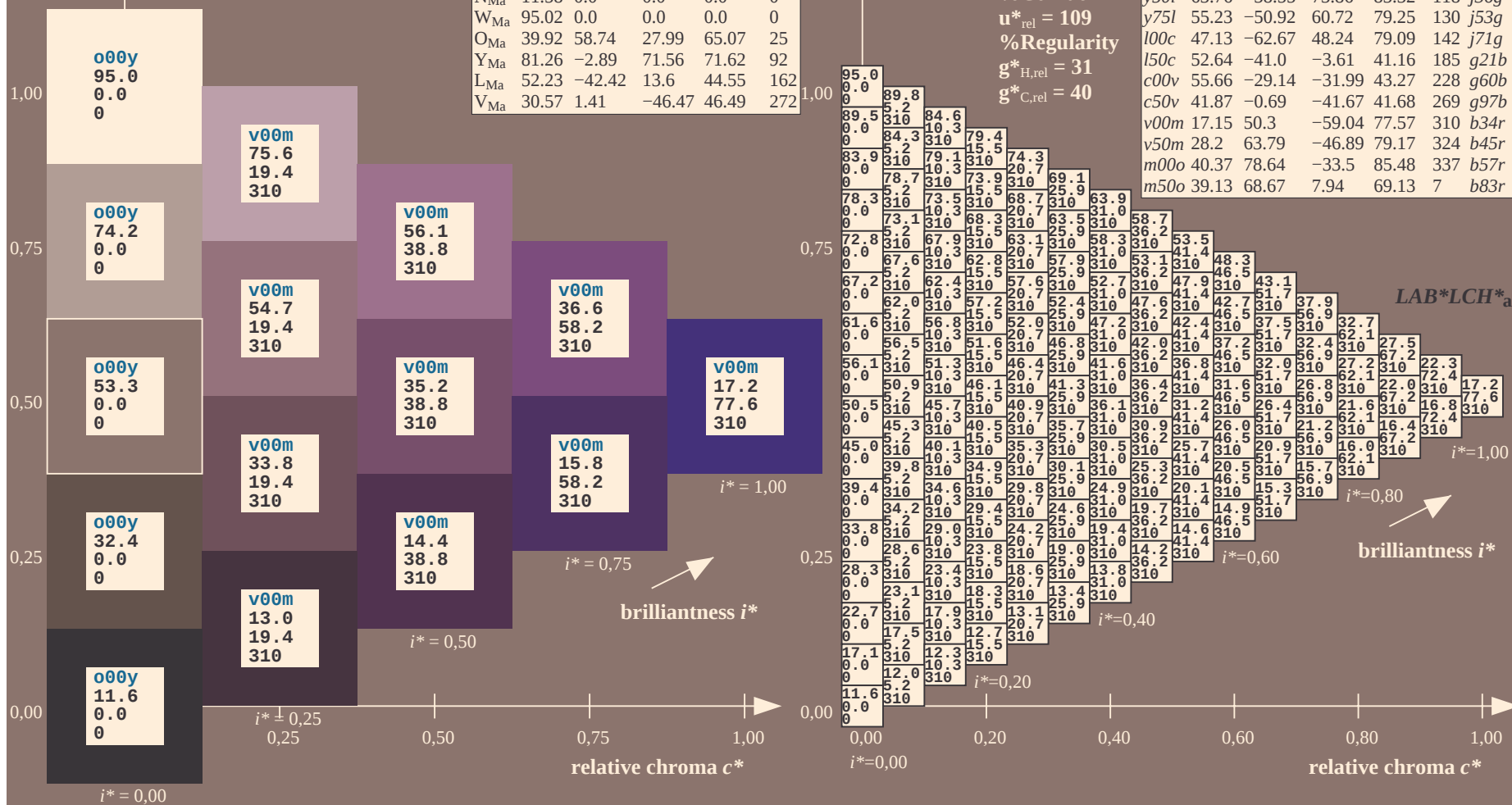
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

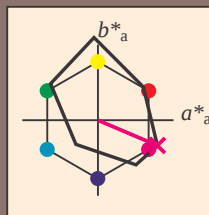
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 40 79 -34

$LAB^*LCH^*_{Ma}$: 40 85 336

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

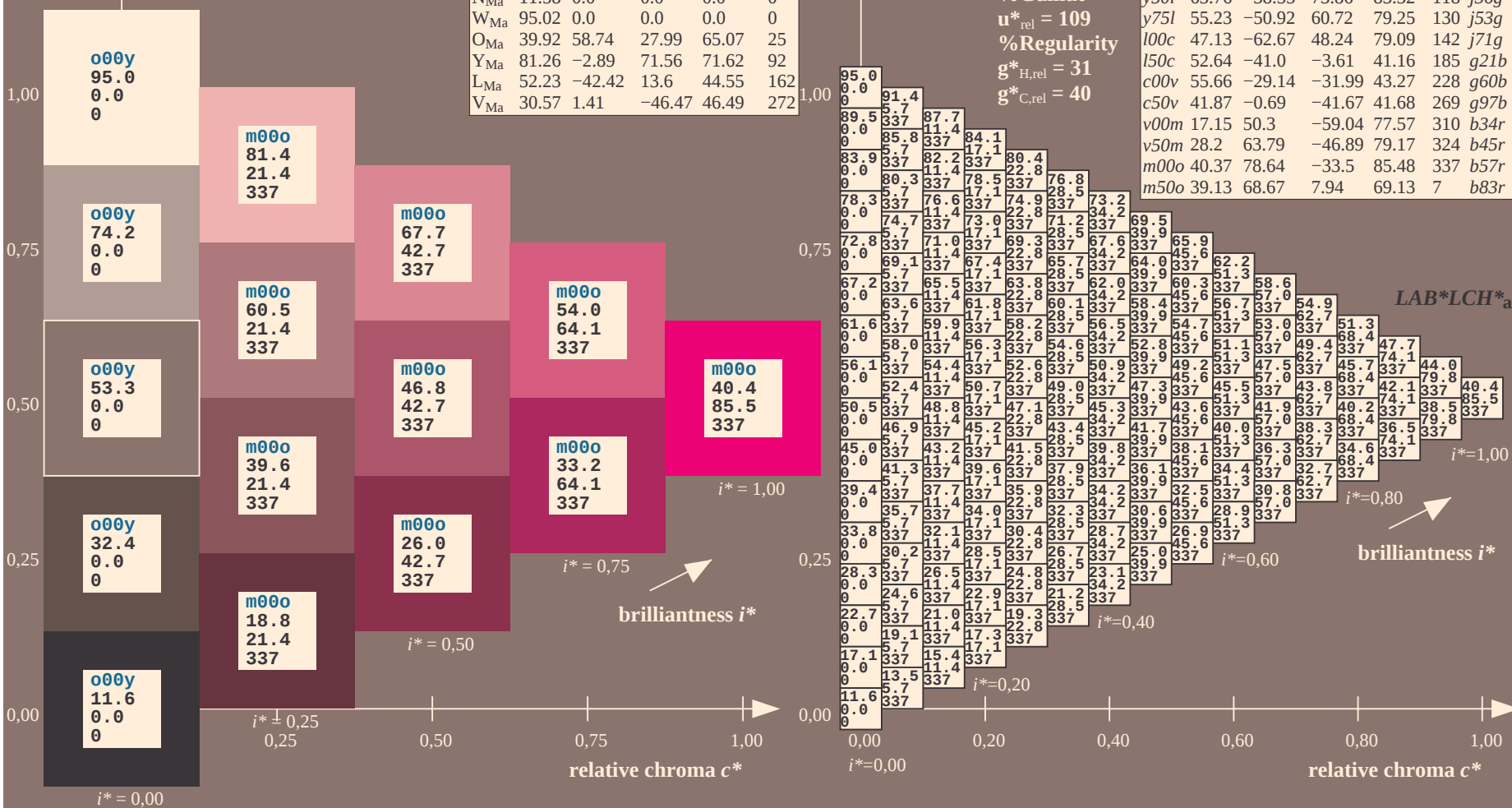
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

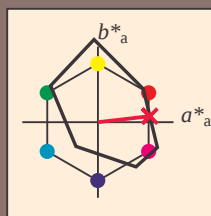
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	r16j
Y _{Ma}	86.77	-5.17	109.32	109.44	93	r37j
L _{Ma}	47.13	-62.67	48.24	79.09	142	r58j
C _{Ma}	55.66	-29.14	-31.99	43.27	228	r79j
V _{Ma}	17.15	50.3	-59.04	77.57	310	j01g
M _{Ma}	40.37	78.64	-33.5	85.48	337	j18g
N _{Ma}	11.58	0.0	0.0	0.0	0	j36g
W _{Ma}	95.02	0.0	0.0	0.0	0	j53g
O _{Ma}	39.92	58.74	27.99	65.07	25	j71g
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g21b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g60b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g97b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

%Gamut

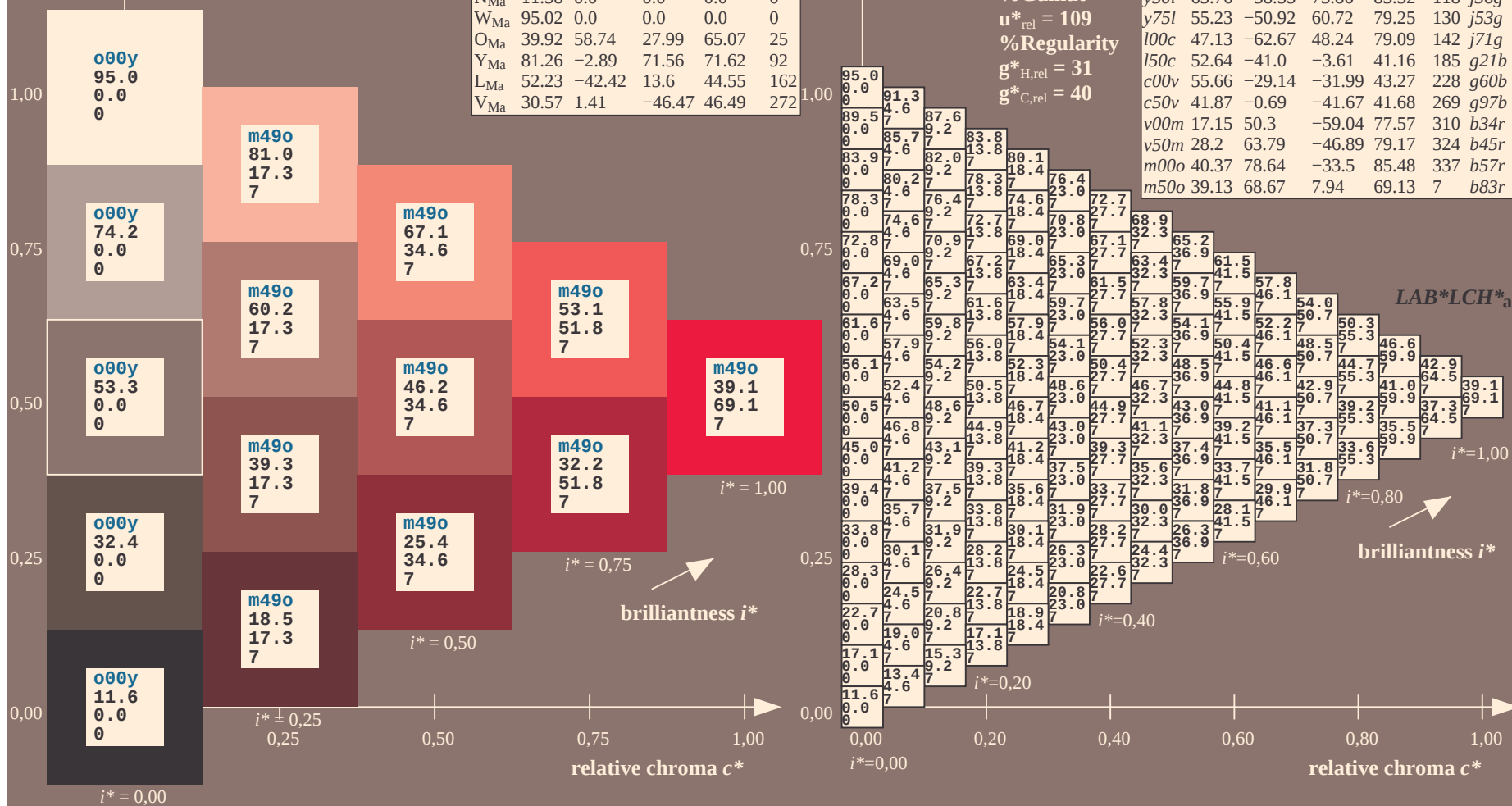
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

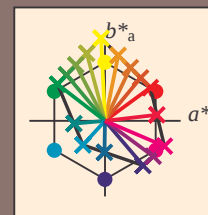
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
01	11.6	16.0	20.5	24.9	29.4	33.8	38.2	42.7	47.1	51.6	56.0	60.4	64.8	69.2	73.6	78.0	82.4	86.8	91.2	95.6	100.0	104.4	108.8	113.2	117.6	122.0	126.4	130.8	135.2	139.6	144.0	148.4	152.8	157.2	161.6	166.0	170.4	174.8	179.2	183.6	188.0	192.4	196.8	201.2	205.6	210.0	214.4	218.8	223.2	227.6	232.0	236.4	240.8	245.2	249.6	254.0	258.4	262.8	267.2	271.6	276.0	280.4	284.8	289.2	293.6	298.0	302.4	306.8	311.2	315.6	320.0	324.4	328.8	333.2	337.6	342.0	346.4	350.8	355.2	359.6	364.0	368.4	372.8	377.2	381.6	386.0	390.4	394.8	399.2	403.6	408.0	412.4	416.8	421.2	425.6	430.0	434.4	438.8	443.2	447.6	452.0	456.4	460.8	465.2	469.6	474.0	478.4	482.8	487.2	491.6	496.0	500.4	504.8	509.2	513.6	518.0	522.4	526.8	531.2	535.6	540.0	544.4	548.8	553.2	557.6	562.0	566.4	570.8	575.2	579.6	584.0	588.4	592.8	597.2	601.6	606.0	610.4	614.8	619.2	623.6	628.0	632.4	636.8	641.2	645.6	650.0	654.4	658.8	663.2	667.6	672.0	676.4	680.8	685.2	689.6	694.0	698.4	702.8	707.2	711.6	716.0	720.4	724.8	729.2	733.6	738.0	742.4	746.8	751.2	755.6	760.0	764.4	768.8	773.2	777.6	782.0	786.4	790.8	795.2	799.6	804.0	808.4	812.8	817.2	821.6	826.0	830.4	834.8	839.2	843.6	848.0	852.4	856.8	861.2	865.6	870.0	874.4	878.8	883.2	887.6	892.0	896.4	900.8	905.2	909.6	914.0	918.4	922.8	927.2	931.6	936.0	940.4	944.8	949.2	953.6	958.0	962.4	966.8	971.2	975.6	980.0	984.4	988.8	993.2	997.6	1002.0	1006.4	1010.8	1015.2	1019.6	1024.0	1028.4	1032.8	1037.2	1041.6	1046.0	1050.4	1054.8	1059.2	1063.6	1068.0	1072.4	1076.8	1081.2	1085.6	1090.0	1094.4	1098.8	1103.2	1107.6	1112.0	1116.4	1120.8	1125.2	1129.6	1134.0	1138.4	1142.8	1147.2	1151.6	1156.0	1160.4	1164.8	1169.2	1173.6	1178.0	1182.4	1186.8	1191.2	1195.6	1200.0	1204.4	1208.8	1213.2	1217.6	1222.0	1226.4	1230.8	1235.2	1239.6	1244.0	1248.4	1252.8	1257.2	1261.6	1266.0	1270.4	1274.8	1279.2	1283.6	1288.0	1292.4	1296.8	1301.2	1305.6	1310.0	1314.4	1318.8	1323.2	1327.6	1332.0	1336.4	1340.8	1345.2	1349.6	1354.0	1358.4	1362.8	1367.2	1371.6	1376.0	1380.4	1384.8	1389.2	1393.6	1398.0	1402.4	1406.8	1411.2	1415.6	1420.0	1424.4	1428.8	1433.2	1437.6	1442.0	1446.4	1450.8	1455.2	1459.6	1464.0	1468.4	1472.8	1477.2	1481.6	1486.0	1490.4	1494.8	1499.2	1503.6	1508.0	1512.4	1516.8	1521.2	1525.6	1530.0	1534.4	1538.8	1543.2	1547.6	1552.0	1556.4	1560.8	1565.2	1569.6	1574.0	1578.4	1582.8	1587.2	1591.6	1596.0	1600.4	1604.8	1609.2	1613.6	1618.0	1622.4	1626.8	1631.2	1635.6	1640.0	1644.4	1648.8	1653.2	1657.6	1662.0	1666.4	1670.8	1675.2	1679.6	1684.0	1688.4	1692.8	1697.2	1701.6	1706.0	1710.4	1714.8	1719.2	1723.6	1728.0	1732.4	1736.8	1741.2	1745.6	1750.0	1754.4	1758.8	1763.2	1767.6	1772.0	1776.4	1780.8	1785.2	1789.6	1794.0	1798.4	1802.8	1807.2	1811.6	1816.0	1820.4	1824.8	1829.2	1833.6	1838.0	1842.4	1846.8	1851.2	1855.6	1860.0	1864.4	1868.8	1873.2	1877.6	1882.0	1886.4	1890.8	1895.2	1899.6	1904.0	1908.4	1912.8	1917.2	1921.6	1926.0	1930.4	1934.8	1939.2	1943.6	1948.0	1952.4	1956.8	1961.2	1965.6	1970.0	1974.4	1978.8	1983.2	1987.6	1992.0	1996.4	2000.8	2005.2	2009.6	2014.0	2018.4	2022.8	2027.2	2031.6	2036.0	2040.4	2044.8	2049.2	2053.6	2058.0	2062.4	2066.8	2071.2	2075.6	2080.0	2084.4	2088.8	2093.2	2097.6	2102.0	2106.4	2110.8	2115.2	2119.6	2124.0	2128.4	2132.8	2137.2	2141.6	2146.0	2150.4	2154.8	2159.2	2163.6	2168.0	2172.4	2176.8	2181.2	2185.6	2190.0	2194.4	2198.8	2203.2	2207.6	2212.0	2216.4	2220.8	2225.2	2229.6	2234.0	2238.4	2242.8	2247.2	2251.6	2256.0	2260.4	2264.8	2269.2	2273.6	2278.0	2282.4	2286.8	2291.2	2295.6	2300.0	2304.4	2308.8	2313.2	2317.6	2322.0	2326.4	2330.8	2335.2	2339.6	2344.0	2348.4	2352.8	2357.2	2361.6	2366.0	2370.4	2374.8	2379.2	2383.6	2388.0	2392.4	2396.8	2401.2	2405.6	2410.0	2414.4	2418.8	2423.2	2427.6	2432.0	2436.4	2440.8	2445.2	2449.6	2454.0	2458.4	2462.8	2467.2	2471.6	2476.0	2480.4	2484.8	2489.2	2493.6	2498.0	2502.4	2506.8	2511.2	2515.6	2520.0	2524.4	2528.8	2533.2	2537.6	2542.0	2546.4	2550.8	2555.2	2559.6	2564.0	2568.4	2572.8	2577.2	2581.6	2586.0	2590.4	2594.8	2599.2	2603.6	2608.0	2612.4	2616.8	2621.2	2625.6	2630.0	2634.4	2638.8	2643.2	2647.6	2652.0	2656.4	2660.8	2665.2	2669.6	2674.0	2678.4	2682.8	2687.2	2691.6	2696.0	2700.4	2704.8	2709.2	2713.6	2718.0	2722.4	2726.8	2731.2	2735.6	2740.0	2744.4	2748.8	2753.2	2757.6	2762.0	2766.4	2770.8	2775.2	2779.6	2784.0	2788.4	2792.8	2797.2	2801.6	2806.0	2810.4	2814.8	2819.2	2823.6	2828.0	2832.4	2836.8	2841.2	2845.6	2850.0	2854.4	2858.8	2863.2	2867.6	2872.0	2876.4	2880.8	2885.2	2889.6	2894.0	2898.4	2902.8	2907.2	2911.6	2916.0	2920.4	2924.8	2929.2	2933.6	2938.0	2942.4	2946.8	2951.2	2955.6	2960.0	2964.4	2968.8	2973.2	2977.6	2982.0	2986.4	2990.8	2995.2	2999.6	3004.0	3008.4	3012.8	3017.2	3021.6	3026.0	3030.4	3034.8	3039.2	3043.6	3048.0	3052.4	3056.8	3061.2	3065.6	3070.0	3074.4	3078.8	3083.2	3087.6	3092.0	3096.4	3100.8	3105.2	3109.6	3114.0	3118.4	3122.8	3127.2	3131.6	3136.0	3140.4	3144.8	3149.2	3153.6	3158.0	3162.4	3166.8	3171.2	3175.6	3180.0	3184.4	3188.8	3193.2	3197.6	3202.0	3206.4	3210.8	3215.2	3219.6	3224.0	3228.4	3232.8	3237.2	3241.6	3246.0	3250.4	3254.8	3259.2	3263.6	3268.0	3272.4	3276.8	3281.2	3285.6	3290.0	3294.4	3298.8	3303.2	3307.6	3312.0	3316.4	3320.8	3325.2	3329.6	3334.0	3338.4	3342.8	3347.2	3351.6	3356.0	3360.4	3364.8	3369.2	3373.6	3378.0	3382.4	3386.8	3391.2	3395.6	3400.0	3404.4	3408.8	3413.2	3417.6	3422.0	3426.4	3430.8	3435.2	3439.6	3444.0	3448.4	3452.8	3457.2	3461.6	3466.0	3470.4	3474.8	3479.2	3483.6	3488.0	3492.4	3496.8	3501.2	3505.6	3510.0	3514.4	3518.8	3523.2	3527.6	3532.0	3536.4	3540.8	3545.2	3549.6	3554.0	3558.4	3562.8	3567.2	3571.6	3576.0	3580.4	3584.8	3589.2	3593.6	3598.0	3602.4	3606.8	3611.2	3615.6	3620.0	3624.4	3628.8	3633.2	3637.6	3642.0	3646.4	3650.8	3655.2	3659.6	3664.0	3668.4	3672.8	3677.2	3681.6	3686.0	3690.4	3694.8	3699.2	3703.6	3708.0	3712.4	3716.8	3721.2	3725.6	3730.0	3734.4	3738.8	3743.2	3747.6	3752.0	3756.4	3760.8	3765.2	3769.6	3774.0	3778.4	3782.8	3787.2	3791.6	3796.0	3800.4	3804.8	3809.2	3813.6	3818.0	3822.4	3826.8	3831.2	3835.6	3840.0	3844.4	3848.8	3853.2	3857.6	3862.0	3866.4	3870.8	3875.2	3879.6	3884.0	3888.4	3892.8	3897.2	3901.6	3906.0	3910.4	3914.8	3919.2	3923.6	3928.0	3932.4	3936.8	3941.2	3945.6	3950.0	3954.4	3958.8	3963.2	3967.6	3972.0	3976.4	3980.8	3985.2	3989.6	3994.0	3998.4	4002.8	4007.2	4011.6	4016.0	4020.4	4024.8	4029.2	4033.6	4038.0	4042.4	4046.8	4051.2	4055.6	4060.0	4064.4	4068.8	4073.2	4077.6	4082.0	4086.4	4090.8	4095.2	4099.6	4104.0	4108.4	4112.8	4117.2	4121.6	4126.0	4130.4	4134.8	4139.2	4143.6	4148.0	4152.4	4156.8	4161.2	4165.6	4170.0	4174.4	4178.8	4183.2	4187.6	4192.0	4196.4	4200.8	4205.2	4209.6	4214.0	4218.4	4222.8	4227.2	4231.6	4236.0	4240.4	4244.8	4249.2	4253.6	4258.0	4262.4	4266.8	4271.2	4275.6	4280.0	4284.4	4288.8	4293.2	4297.6	4302.0	4306.4	4310.8	4315.2	4319.6	4324.0	4328.4	4332.8	4337.2	4341.6	4346.0	4350.4	4354.8	4359.2	4363.6	4368.0	4372.4	4376.8	4381.2	4385.6	4390.0	4394.4	4398.8	4403.2	4407.6	4412.0	4416.4	4420.8	4425.2	4429.6	4434.0	4438.4	4442.8	4447.2	4451.6	4456.0	4460.4	4464.8	4469.2	4473.6	4478.0	4482.4	4486.8	4491.2	4495.6	4500.0	4504.4	4508.8	4513.2	4517.6	4522.0	4526.4	4530.8	4535.2	4539.6	4544.0	4548.4	4552.8	4557.2	4561.6	4566.0	4570.4	4574.8	4579.2	4583.6	4588.0	4592.4	4596.8	4601.2	4605.6	4610.0	4614.4	4618.8	4623.2	4627.6	4632.0	4636.4	4640.8	4645.2	4649.6	4654.0	4658.4	4662.8	4667.2	4671.6	4676.0	4680.4	4684.8	4689.2	4693.6	4698.0	4702.4	4706.8	4711.2	4715.6	4720.0	4724.4	4728.8	4733.2	4737.6	4742.0	4746.4	4750.8	4755.2	4759.6	4764.0	4768.4	4772.8	4777.2	4781.6	4786.0	4790.4	4794.8	4799.2	4803.6	4808.0	4812.4	4816.8	4821.2	4825.6	4830.0	4834.4	4838.8	4843.2	4847.6	4852.0	4856.4	4860.8	4865.2	

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number $no.$ = 00 .. 15
device hue text:
 $u^*_d = 16$ hues $o00y, o25y, \dots, m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

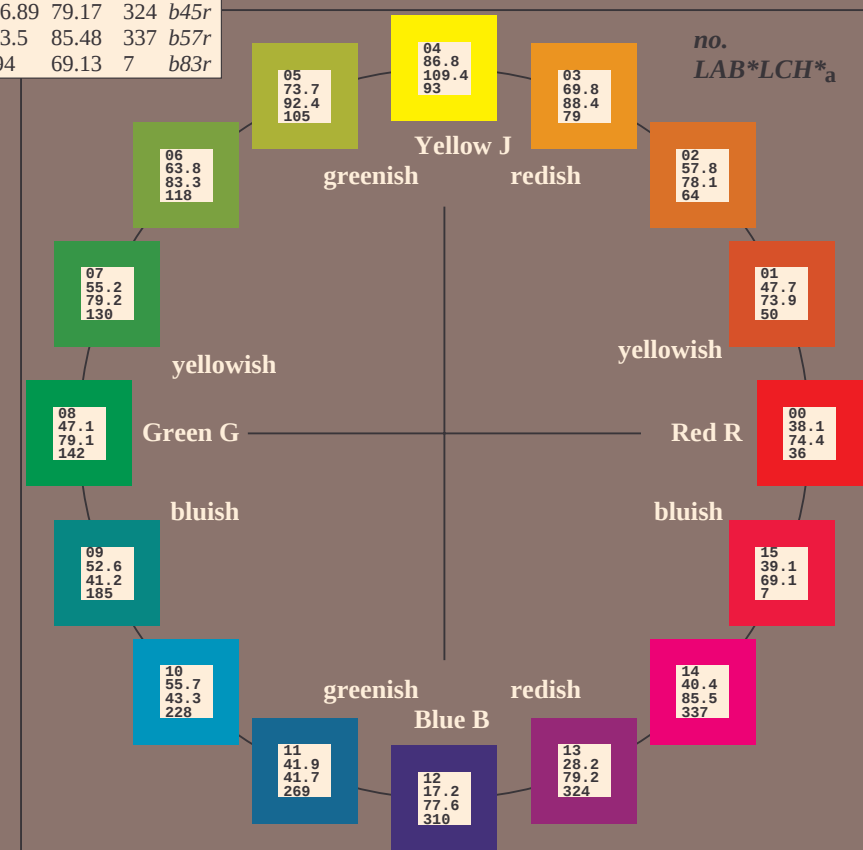
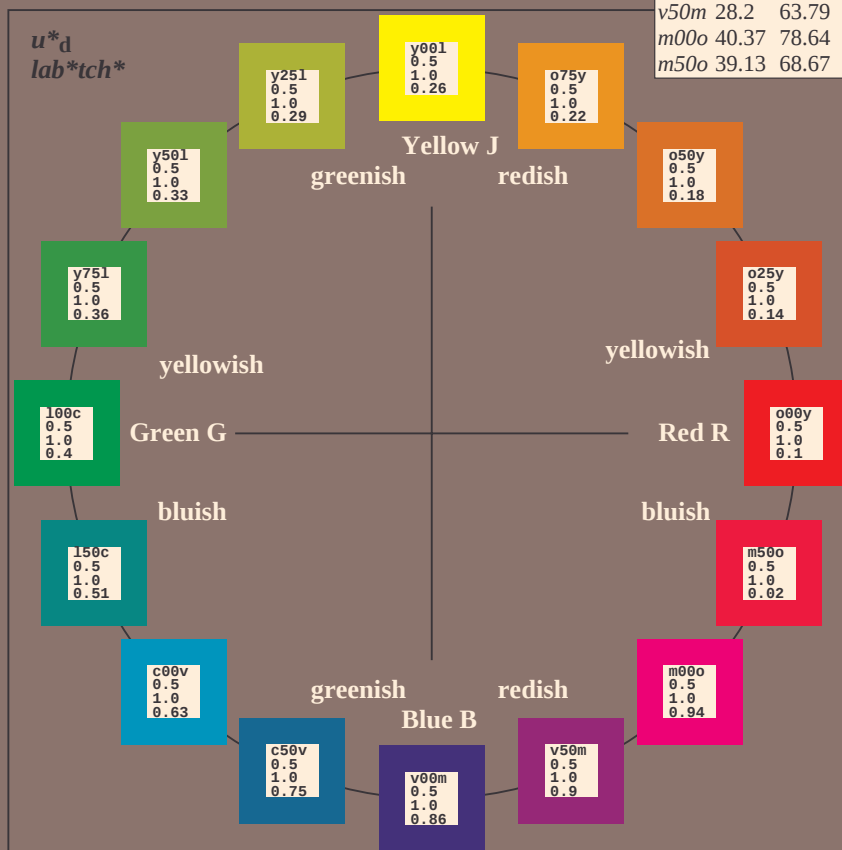
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

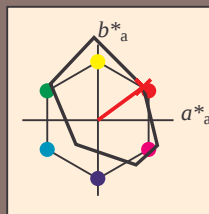
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 60 44

$LAB^*LCH^*_{Ma}$: 38 74 36

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

$lab^*rgb^*_{Ma}$: 1.0 0.16 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

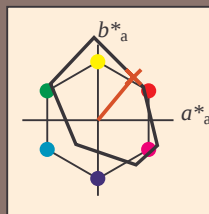
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmY0* setcmYk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

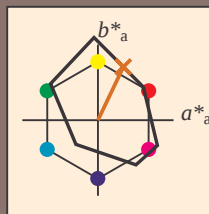
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = o50y$

lab^*tch^*

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

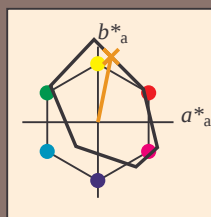
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

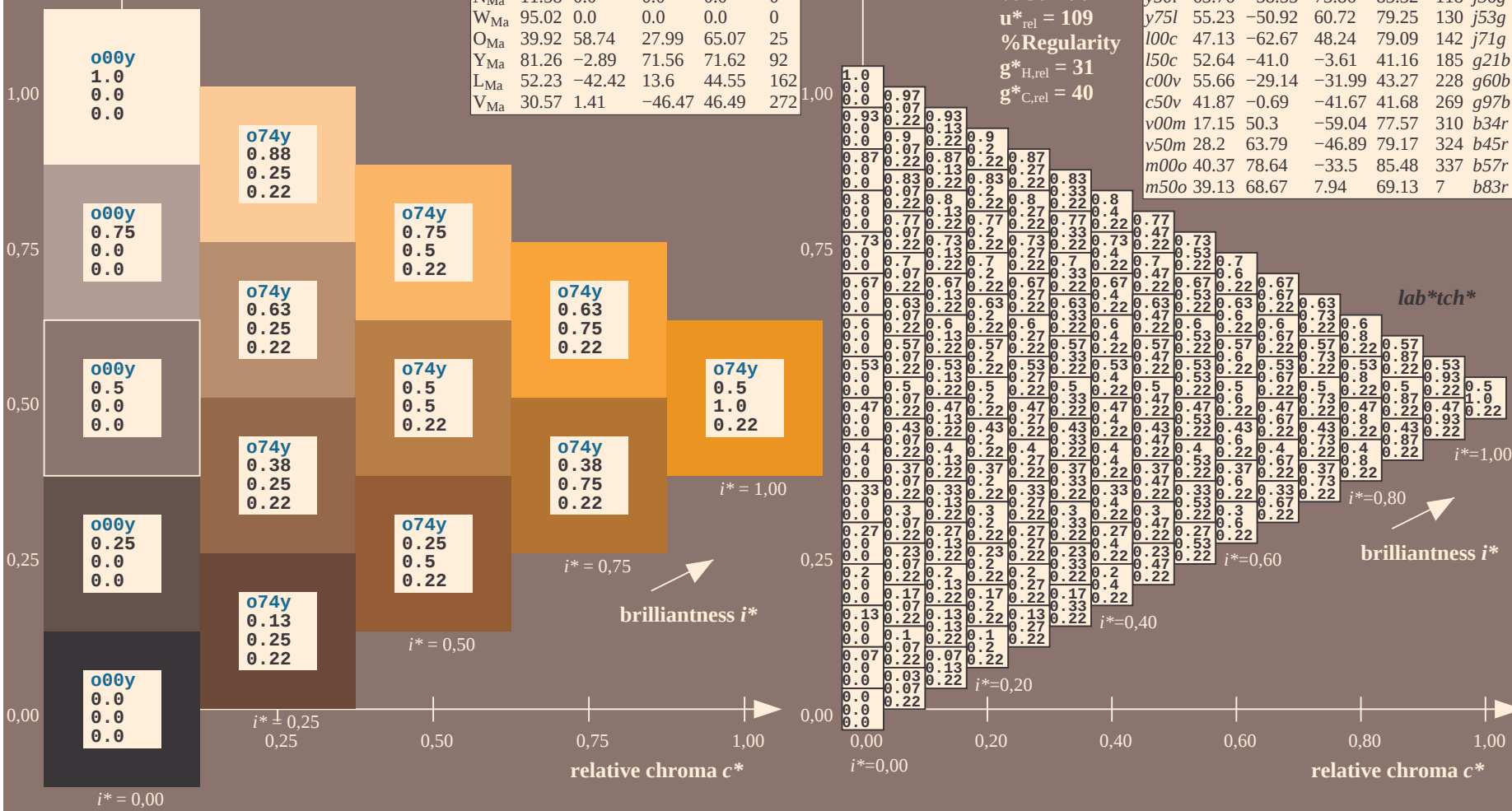
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

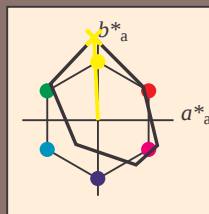
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$ data for any colour: Data for maximum colour (Ma):

$u^*_d = y_{25l}$
 lab^*tch^*

lab*tch* and lab*icu*

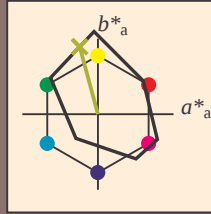
Hue texts:

$$u_d^* = y25l \quad u_e^* = j18g$$

contrast reduction factor:

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

↑



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0		44.0	74.4	36
Y _{Ma}	86.77	-5.17		109.32	109.44	93
L _{Ma}	47.13	-62.67		48.24	79.09	142
C _{Ma}	55.66	-29.14		-31.99	43.27	228
V _{Ma}	17.15	50.3		-59.04	77.57	310
M _{Ma}	40.37	78.64		-33.5	85.48	337
N _{Ma}	11.58	0.0		0.0	0.0	0
W _{Ma}	95.02	0.0		0.0	0.0	0
O _{Ma}	39.92	58.74		27.99	65.07	25
Y _{Ma}	81.26	-2.89		71.56	71.62	92
L _{Ma}	52.23	-42.42		13.6	44.55	162
V _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*Ma: 74 -24 89

LAB*LCH*M₂: 74 92 105

$$l_{ch}^* - l_{ch}^* = -0.75 - 1.0 - 0.0$$

lab*oIV*Ma: 0.75 1.0 0.0

lab*rgb*_Ma: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

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

%Regula

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

10

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	

*lab*tch**

$$i^*=1,00$$

brilliantness i^*

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

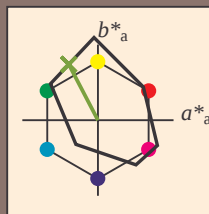
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

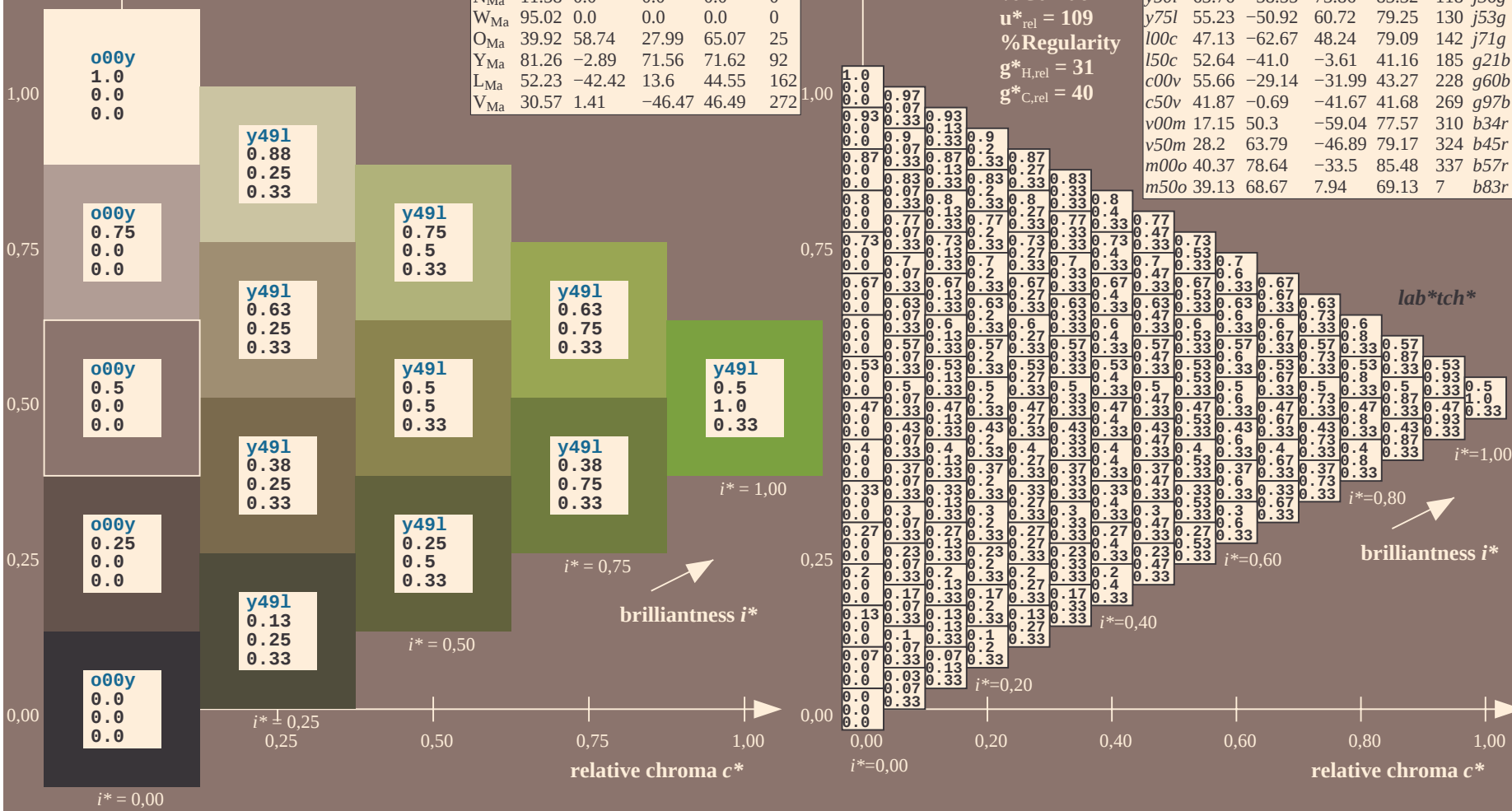
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = y50l$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

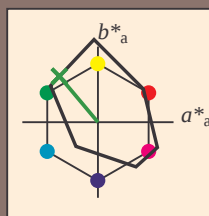
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -51 61

$LAB^*LCH^*_{Ma}$: 55 79 129

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

$lab^*rgb^*_{Ma}$: 0.46 1.0 0.0

triangle lightness t^*

% Gamut

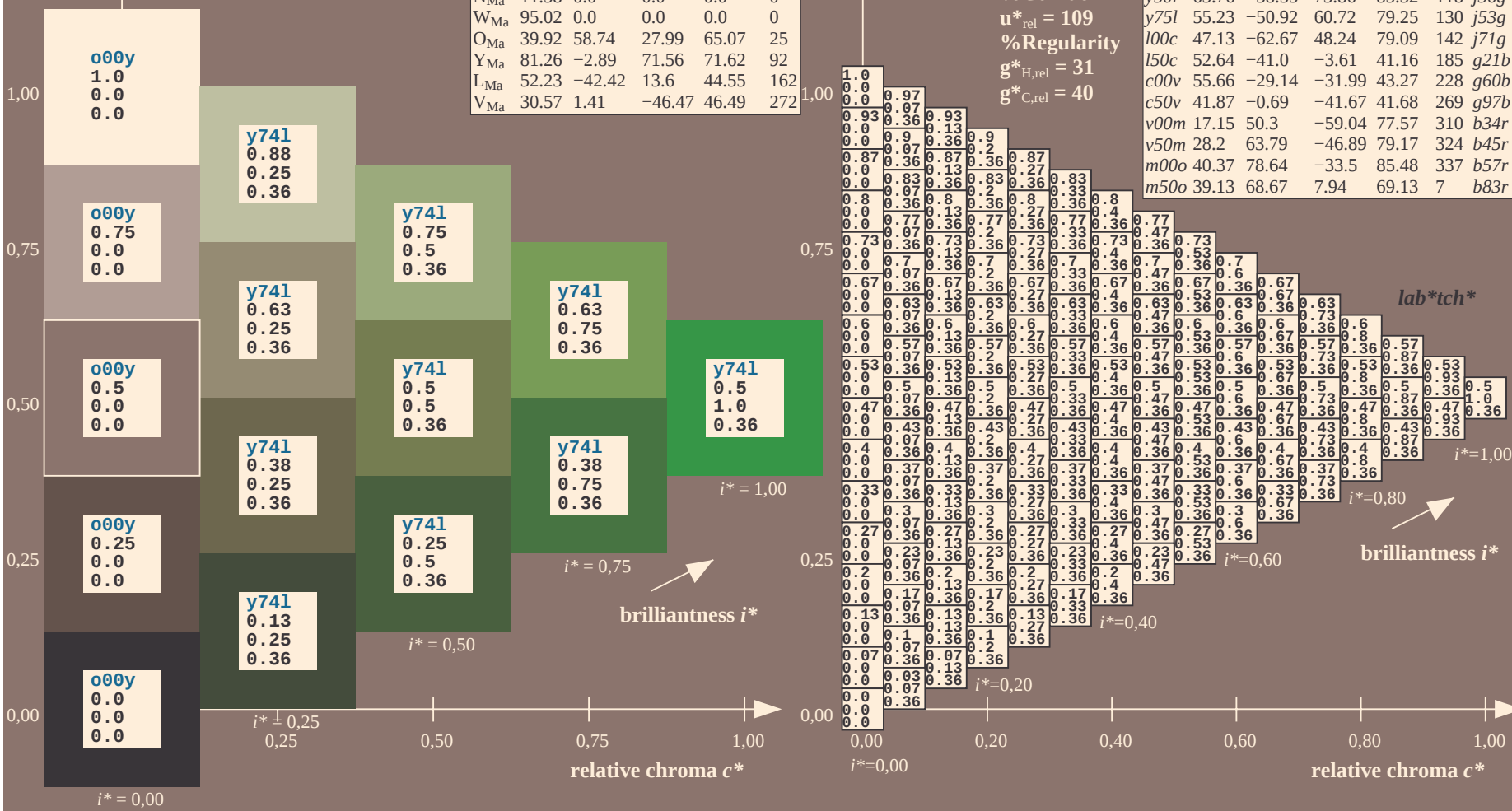
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

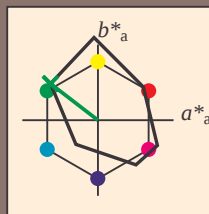
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

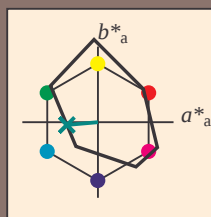
Hue texts:

$u^*_d = 150c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -41 -4

$LAB^*LCH^*_{Ma}$: 53 41 185

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.42

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

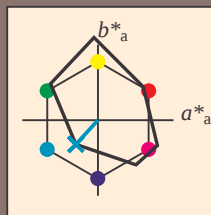
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

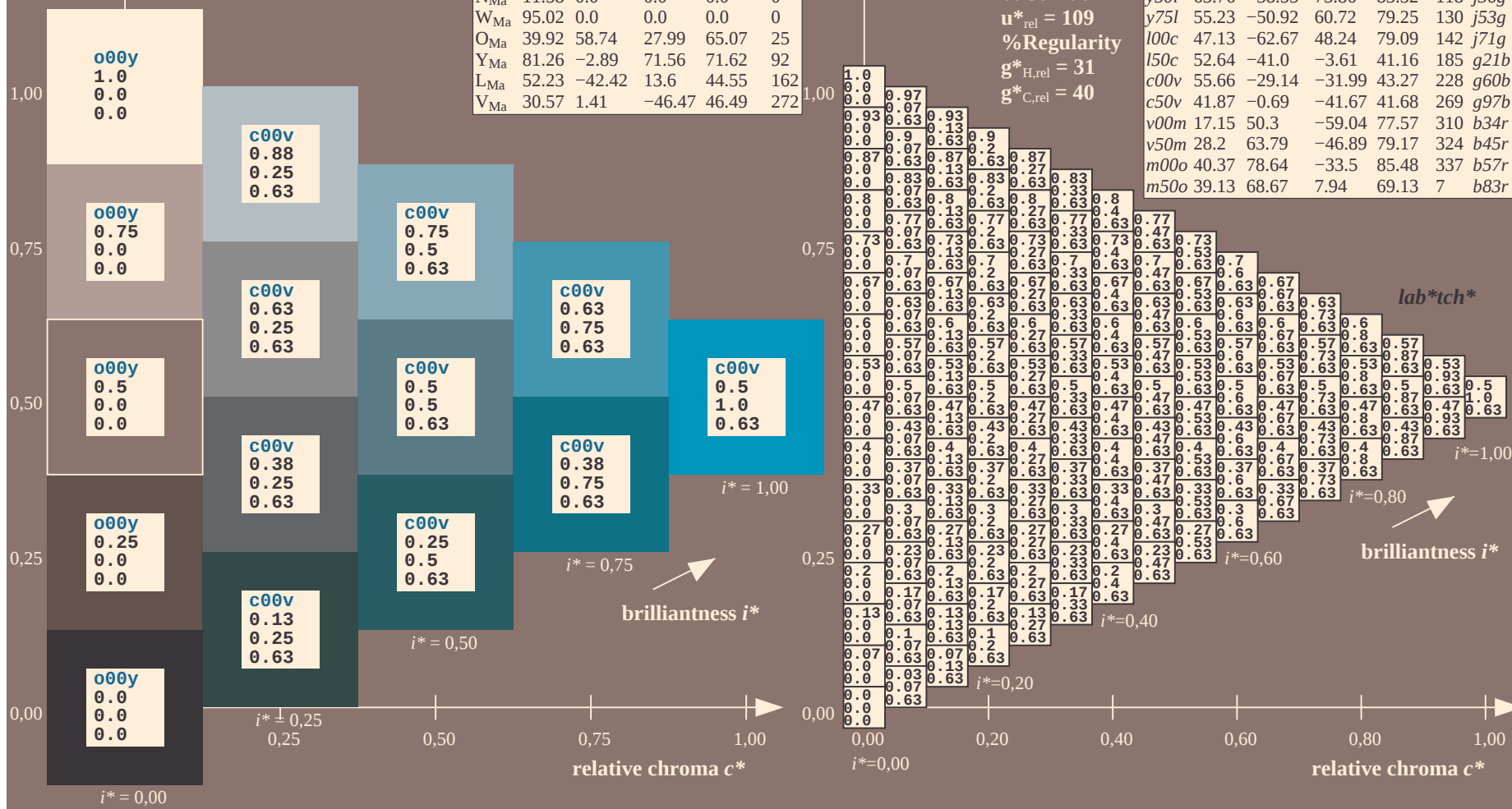
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36		r16j
o25y	47.68	47.13	56.9	73.88	50		r37j
o50y	57.77	33.62	70.44	78.05	64		r58j
o75y	69.84	17.48	86.62	88.37	79		r79j
y00l	86.77	-5.17	109.32	109.44	93		j01g
y25l	73.71	-24.12	89.19	92.39	105		j18g
y50l	63.76	-38.55	73.86	83.32	118		j36g
y75l	55.23	-50.92	60.72	79.25	130		j53g
l00c	47.13	-62.67	48.24	79.09	142		j71g
l50c	52.64	-41.0	-3.61	41.16	185		g21b
c00v	55.66	-29.14	-31.99	43.27	228		g60b
c50v	41.87	-0.69	-41.67	41.68	269		g97b
v00m	17.15	50.3	-59.04	77.57	310		b34r
v50m	28.2	63.79	-46.89	79.17	324		b45r
m00o	40.37	78.64	-33.5	85.48	337		b57r
m50o	39.13	68.67	7.94	69.13	7		b83r

$u^*_d = c00v$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

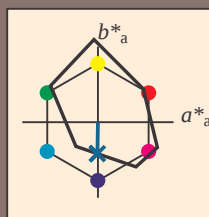
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

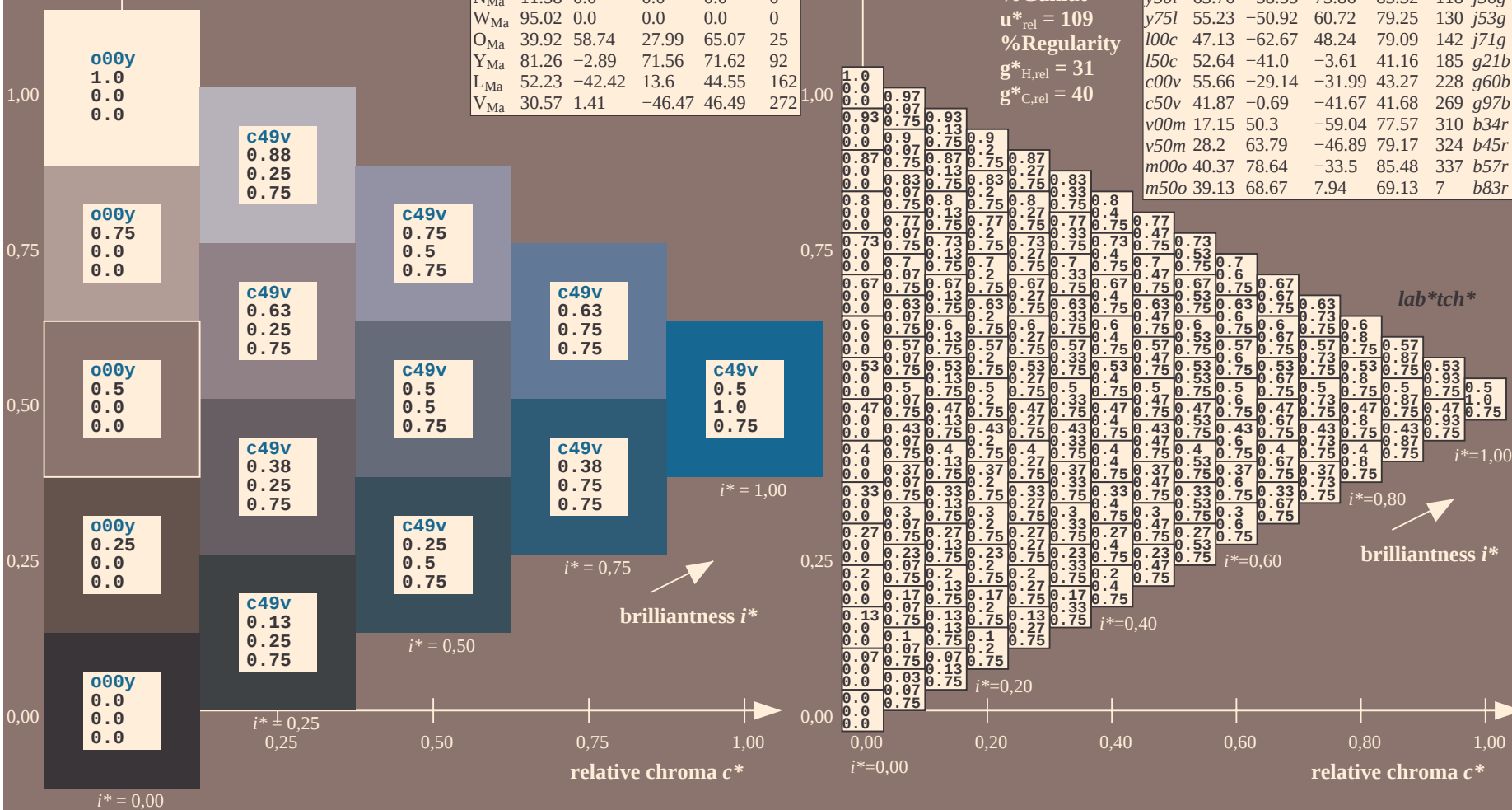
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



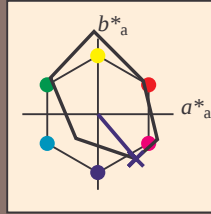
Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u^*_d = v00m \quad u^*_e = b34r$$

contrast reduction factor:

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0		44.0	74.4	36
Y _{Ma}	86.77	-5.17		109.32	109.44	93
L _{Ma}	47.13	-62.67		48.24	79.09	142
C _{Ma}	55.66	-29.14		-31.99	43.27	228
V _{Ma}	17.15	50.3		-59.04	77.57	310
M _{Ma}	40.37	78.64		-33.5	85.48	337
N _{Ma}	11.58	0.0		0.0	0.0	0
W _{Ma}	95.02	0.0		0.0	0.0	0
O _{Ma}	39.92	58.74		27.99	65.07	25
Y _{Ma}	81.26	-2.89		71.56	71.62	92
L _{Ma}	52.23	-42.42		13.6	44.55	162
V _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*Ma: 17 50 -59

LAB*LCH*_{Ma}: 17 78 310

lab*olv*Ma: 0.0 0.0 1.0

*lab*rgb*_{Ma}: 0.68 0.0 1.0

triangle lightness t^*

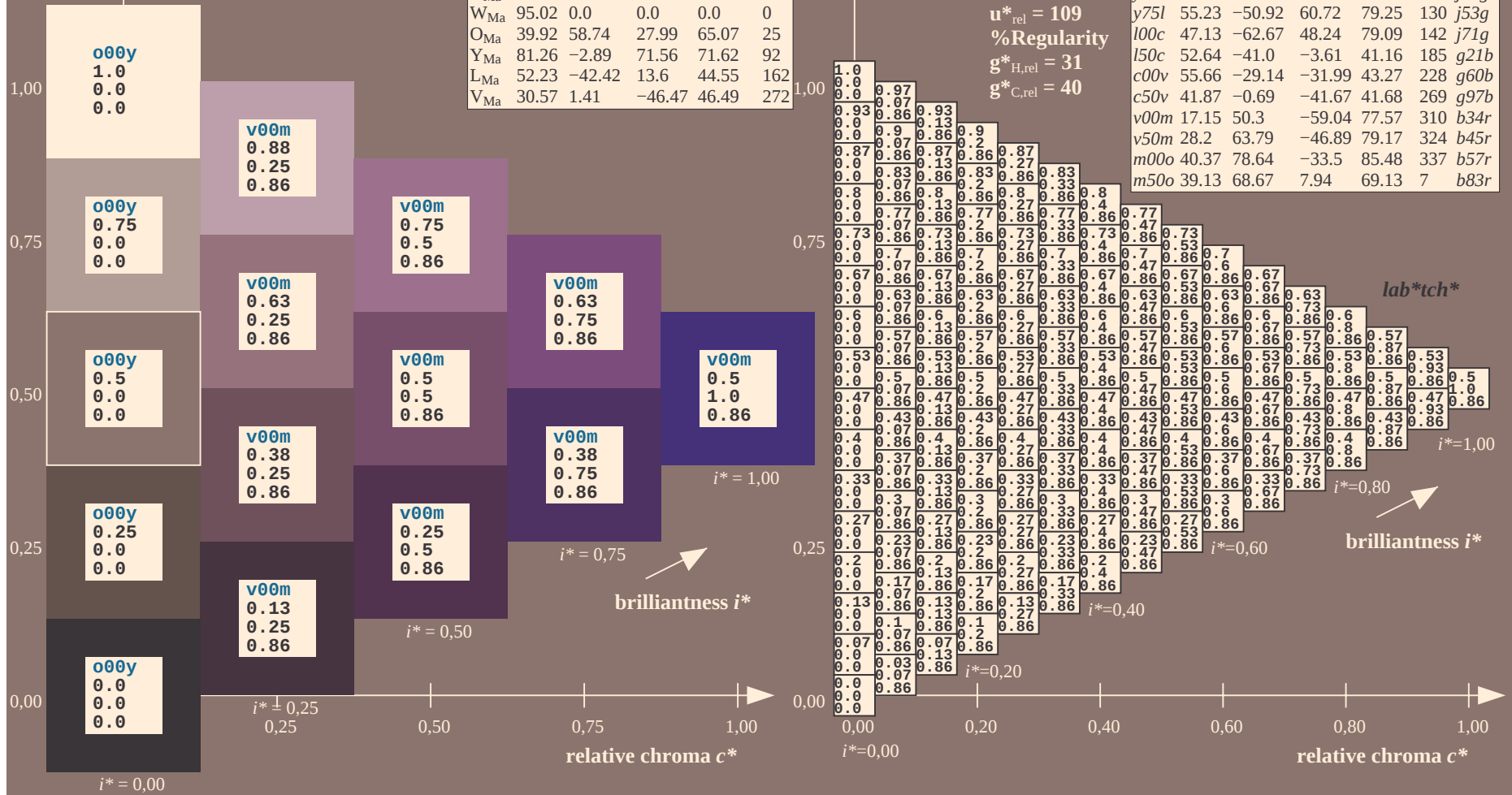
%Gamut

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

%Regularity

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

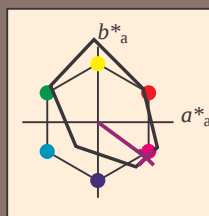
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

% Gamut

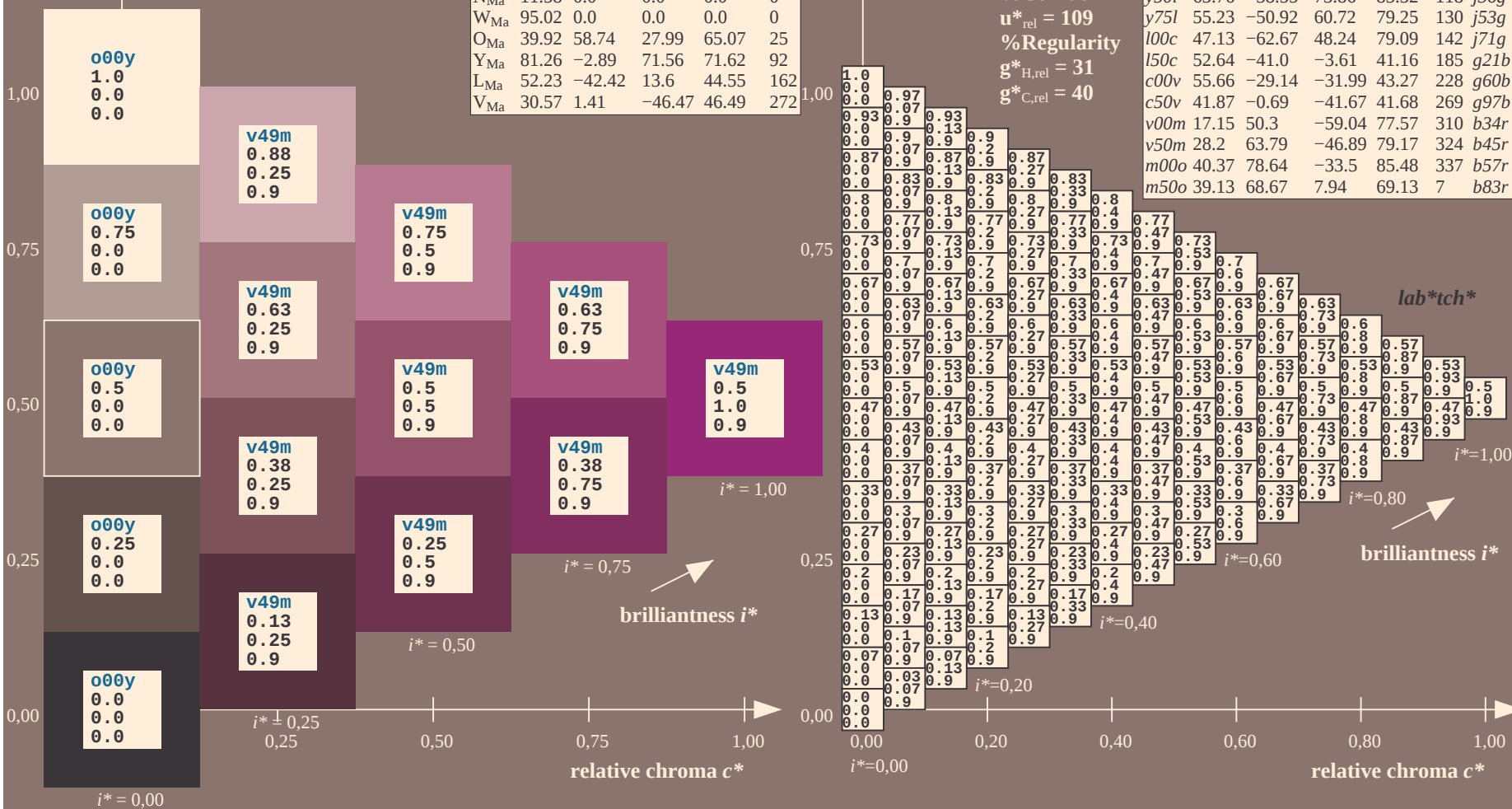
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



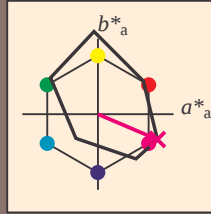
Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u^*_d = m00o \quad u^*_e = b57r$$

contrast reduction factor:

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0		44.0	74.4	36
Y _{Ma}	86.77	-5.17		109.32	109.44	93
L _{Ma}	47.13	-62.67		48.24	79.09	142
C _{Ma}	55.66	-29.14		-31.99	43.27	228
V _{Ma}	17.15	50.3		-59.04	77.57	310
M _{Ma}	40.37	78.64		-33.5	85.48	337
N _{Ma}	11.58	0.0		0.0	0.0	0
W _{Ma}	95.02	0.0		0.0	0.0	0
O _{Ma}	39.92	58.74		27.99	65.07	25
Y _{Ma}	81.26	-2.89		71.56	71.62	92
L _{Ma}	52.23	-42.42		13.6	44.55	162
V _{Ma}	30.57	1.41		-46.47	46.49	272

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 40 79 -34

LAB*LCH*_{Ma}: 40 85 336

lab*olv*Ma: 1.0 0.0 1.0

*lab*rgb*_{Ma}: 1.0 0.0 0.85

triangle lightness t^*

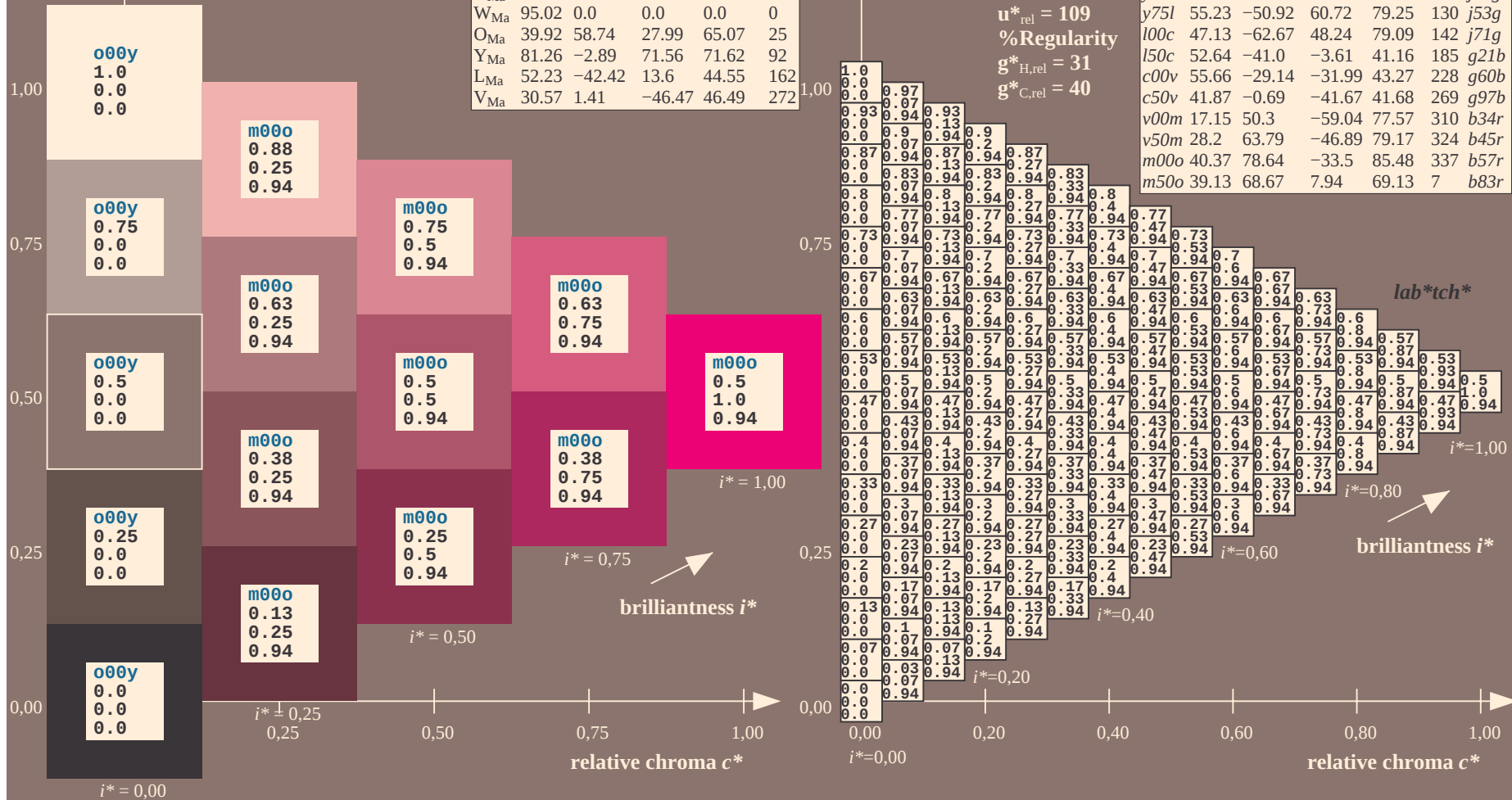
%Gamut

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

%Regularity

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.2	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmY0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

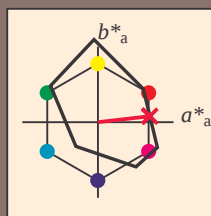
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 39 69 8

$LAB^*LCH^*_{Ma}$: 39 69 6

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.33

triangle lightness t^*

% Gamut

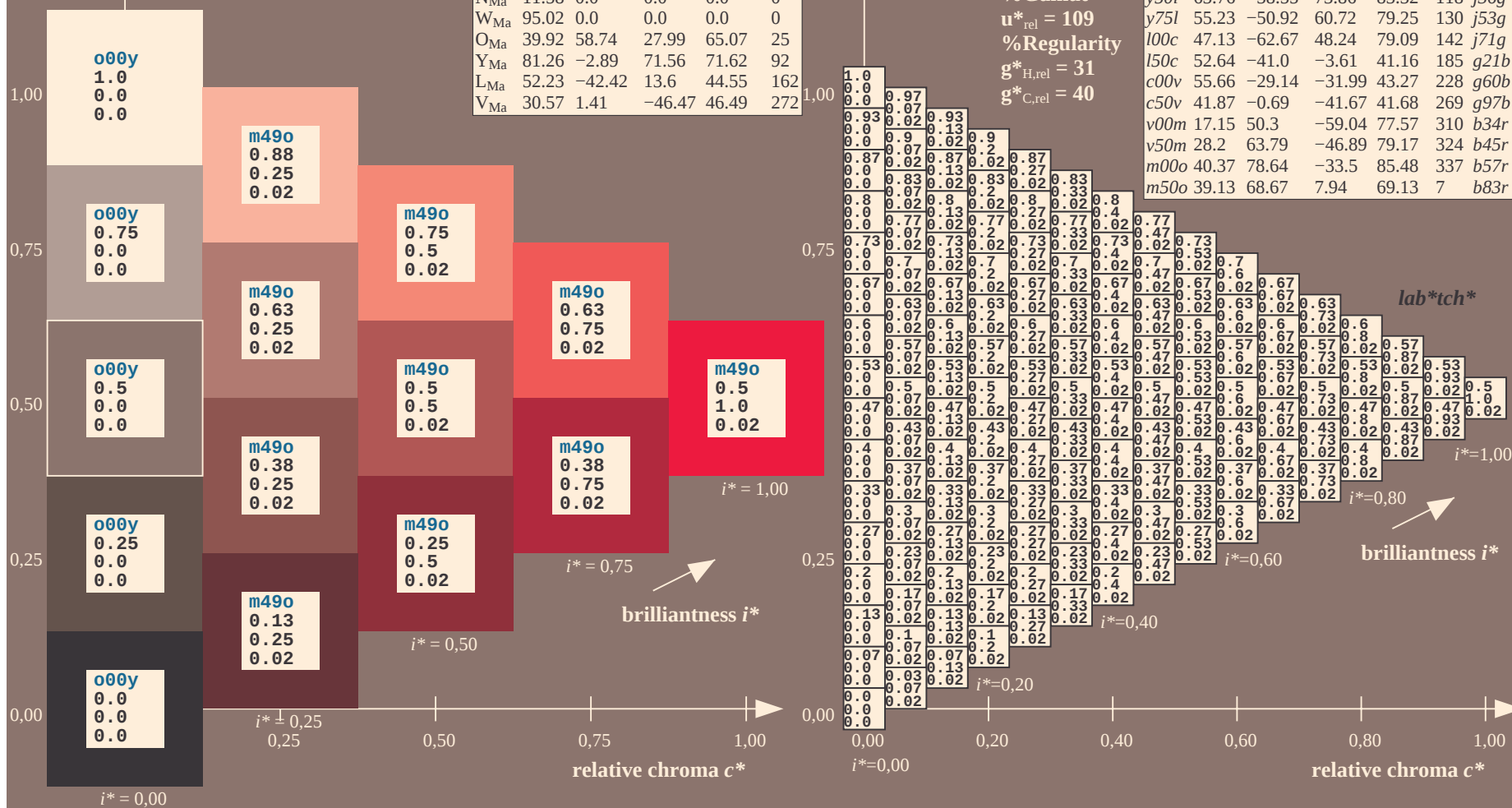
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



BAM registration: 20081001-Fe62/10L/L62e00FP.PDF/.PS BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

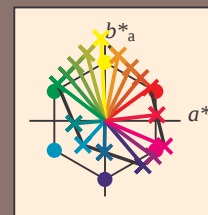
input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmv0

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number $no.$ = 00 .. 15
device hue text:
 u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

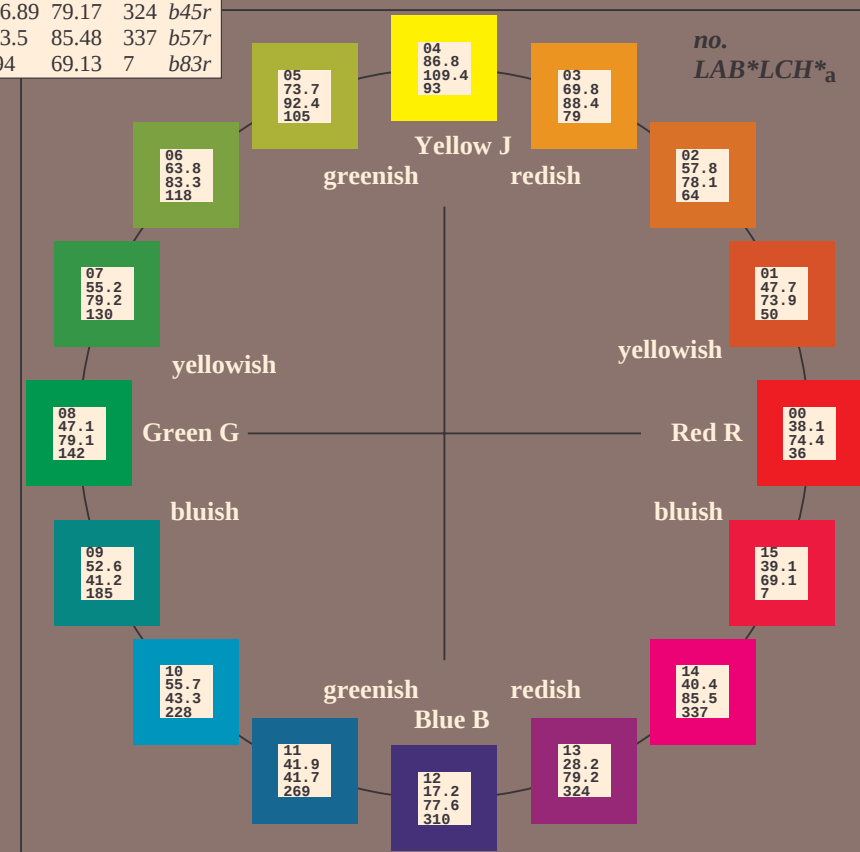
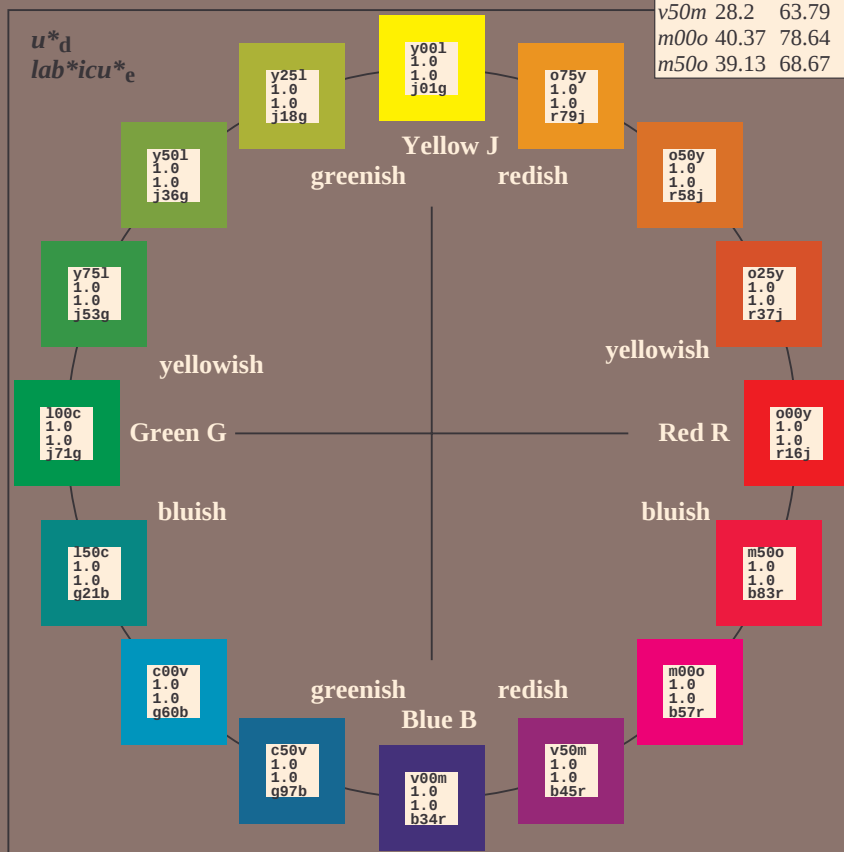
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	38.06	60.0	44.0	74.4	36
Y_{Ma}	86.77	-5.17	109.32	109.44	93
L_{Ma}	47.13	-62.67	48.24	79.09	142
C_{Ma}	55.66	-29.14	-31.99	43.27	228
V_{Ma}	17.15	50.3	-59.04	77.57	310
M_{Ma}	40.37	78.64	-33.5	85.48	337
N_{Ma}	11.58	0.0	0.0	0.0	0
W_{Ma}	95.02	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

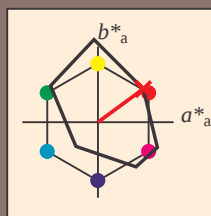
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 60 44

$LAB^*LCH^*_{Ma}$: 38 74 36

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

$lab^*rgb^*_{Ma}$: 1.0 0.16 0.0

triangle lightness t^*

%Gamut

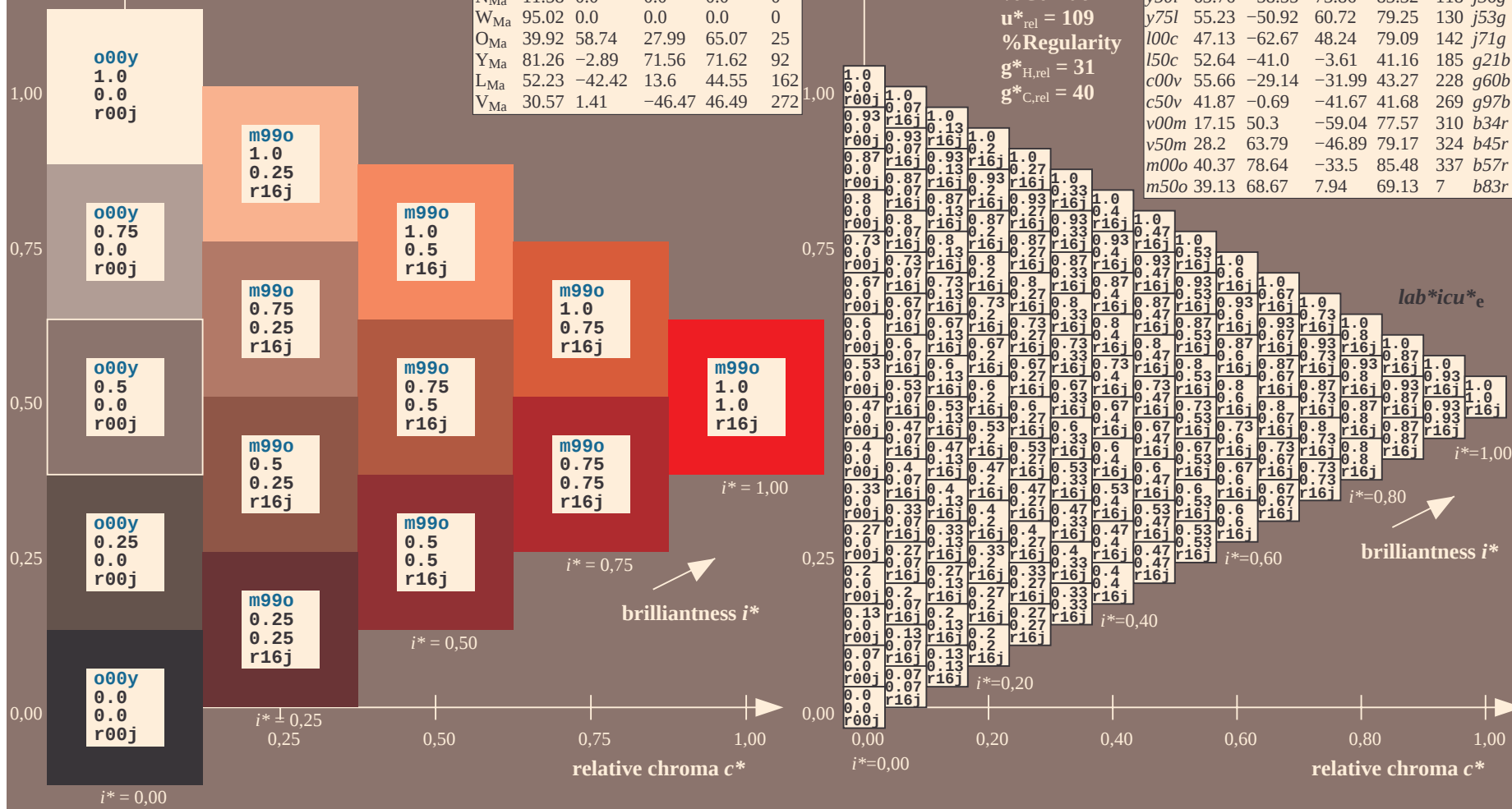
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

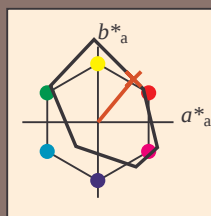
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

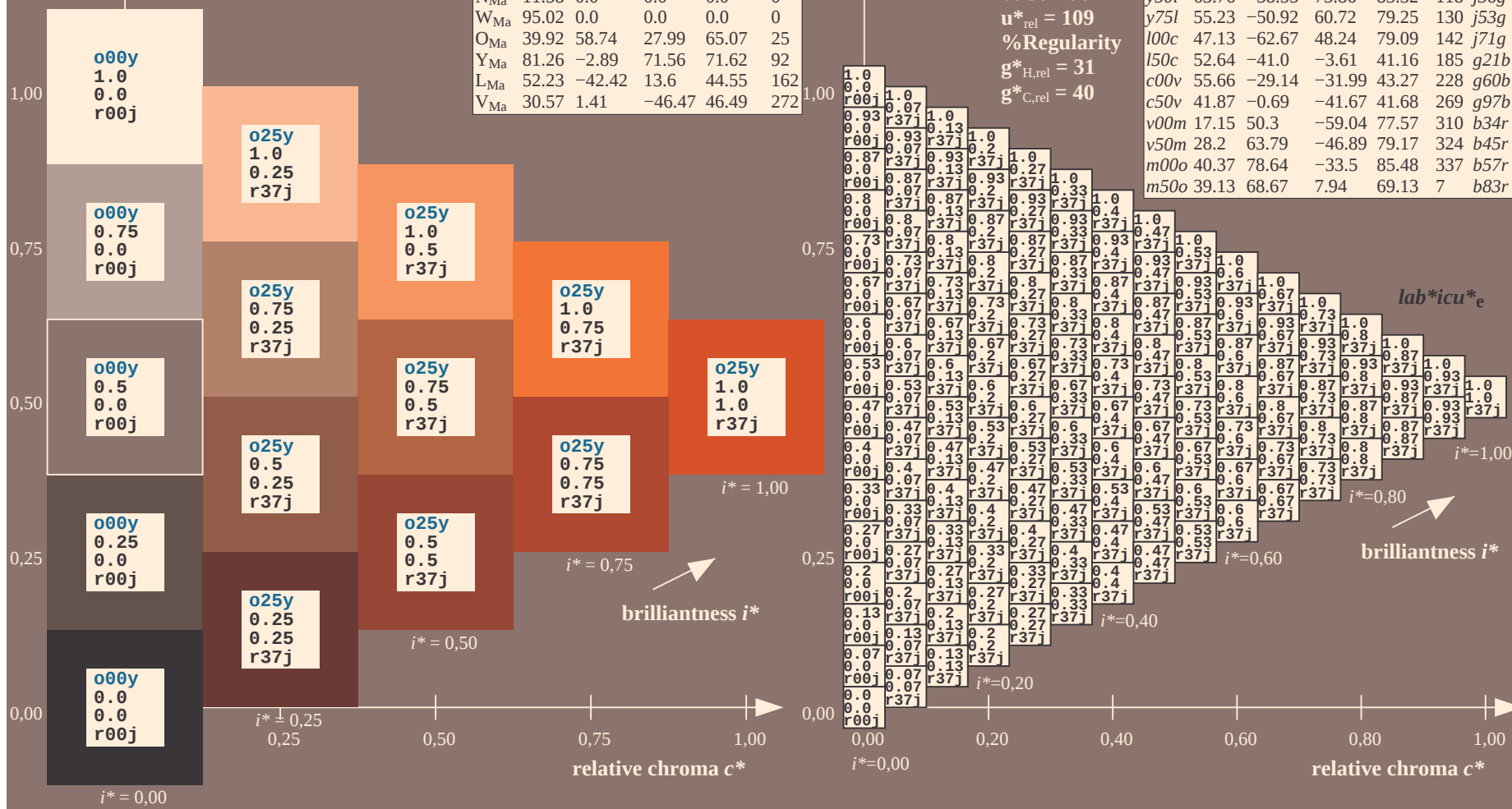
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

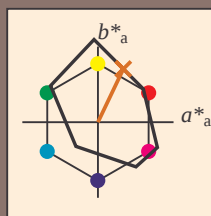
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

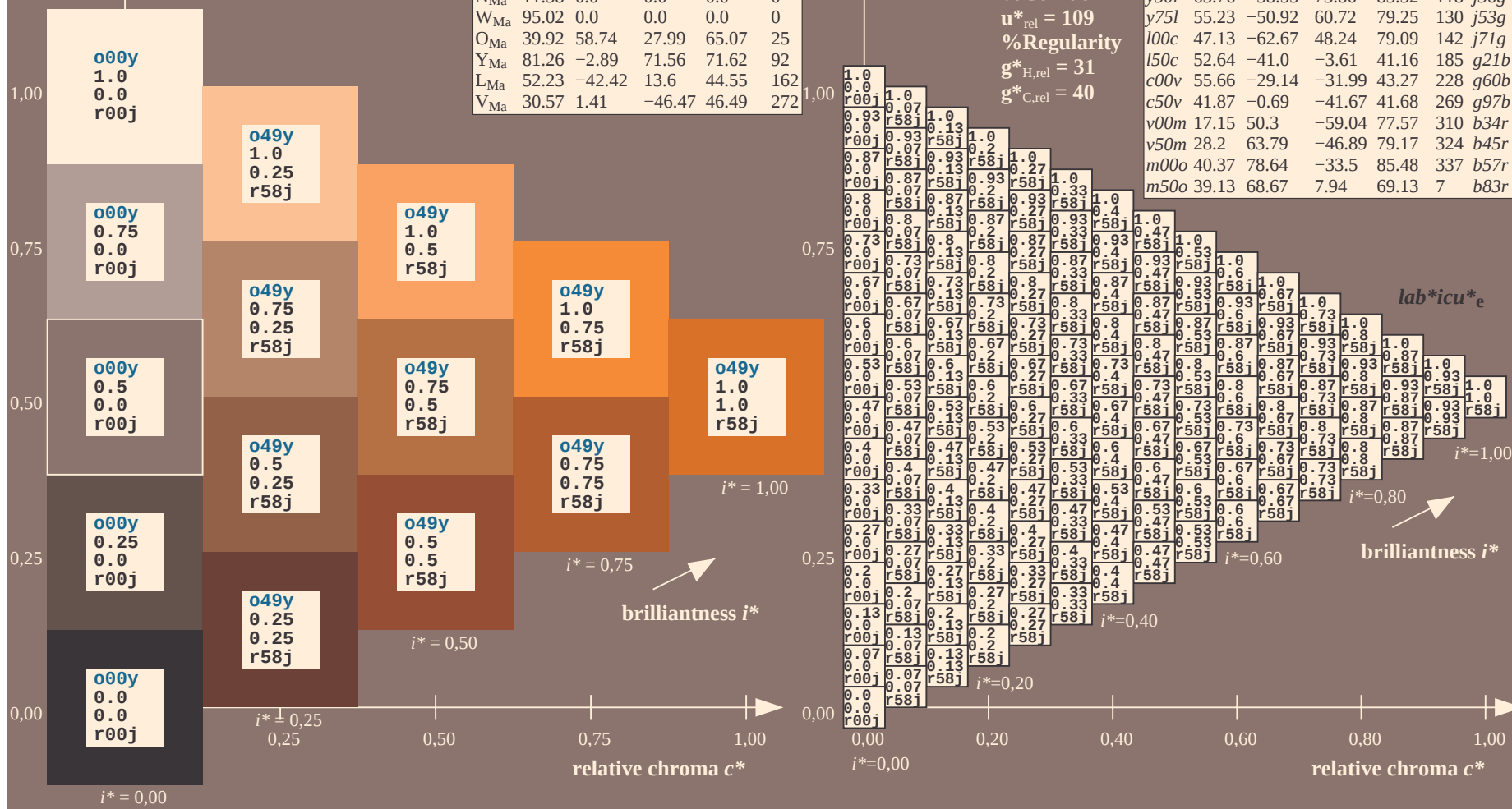
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

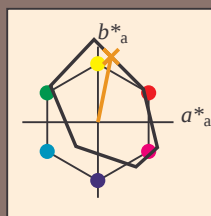
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

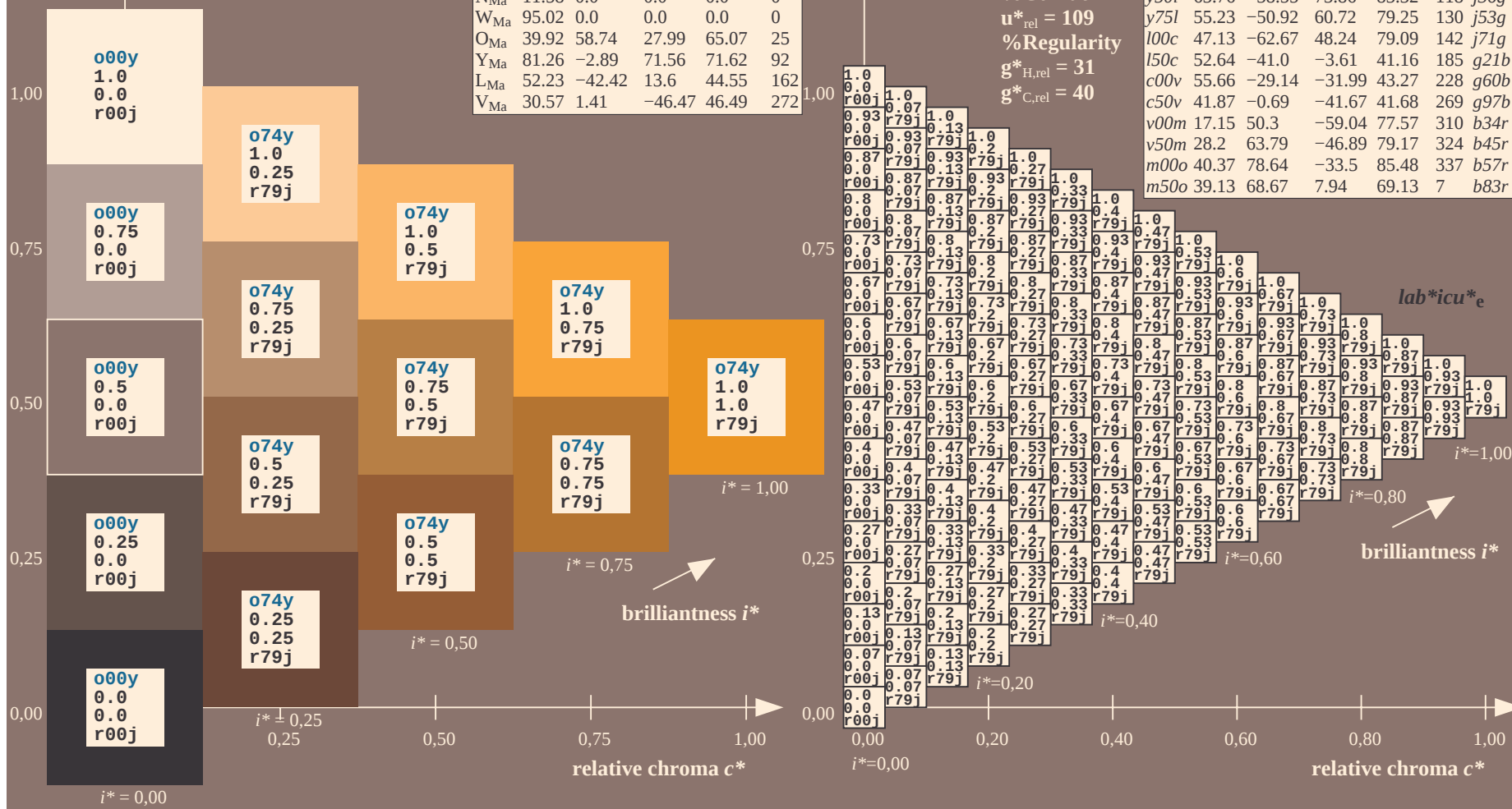
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

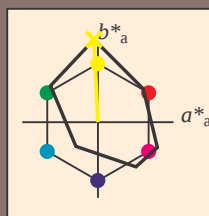
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

% Gamut

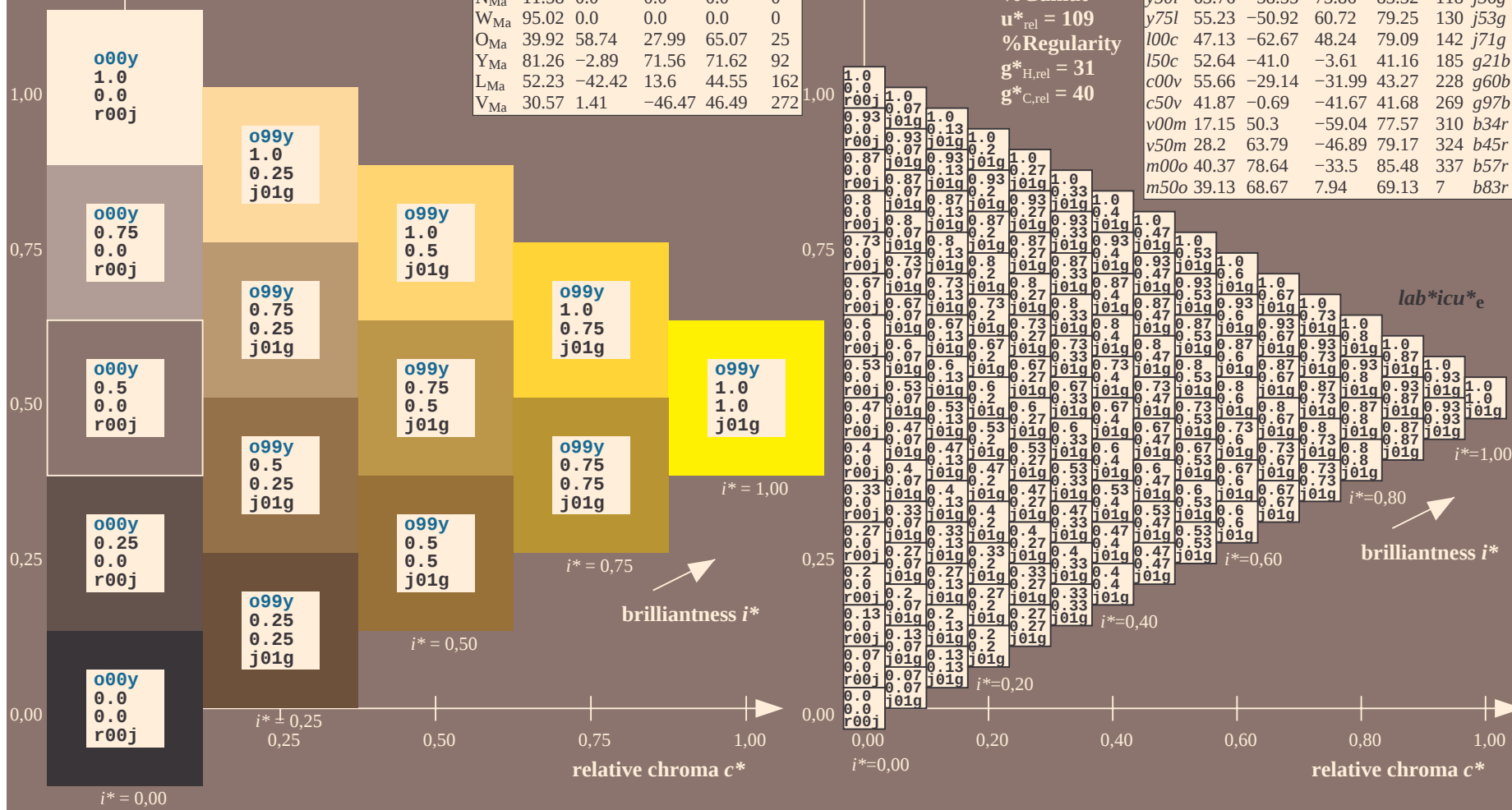
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

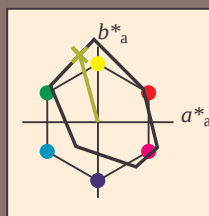
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

% Gamut

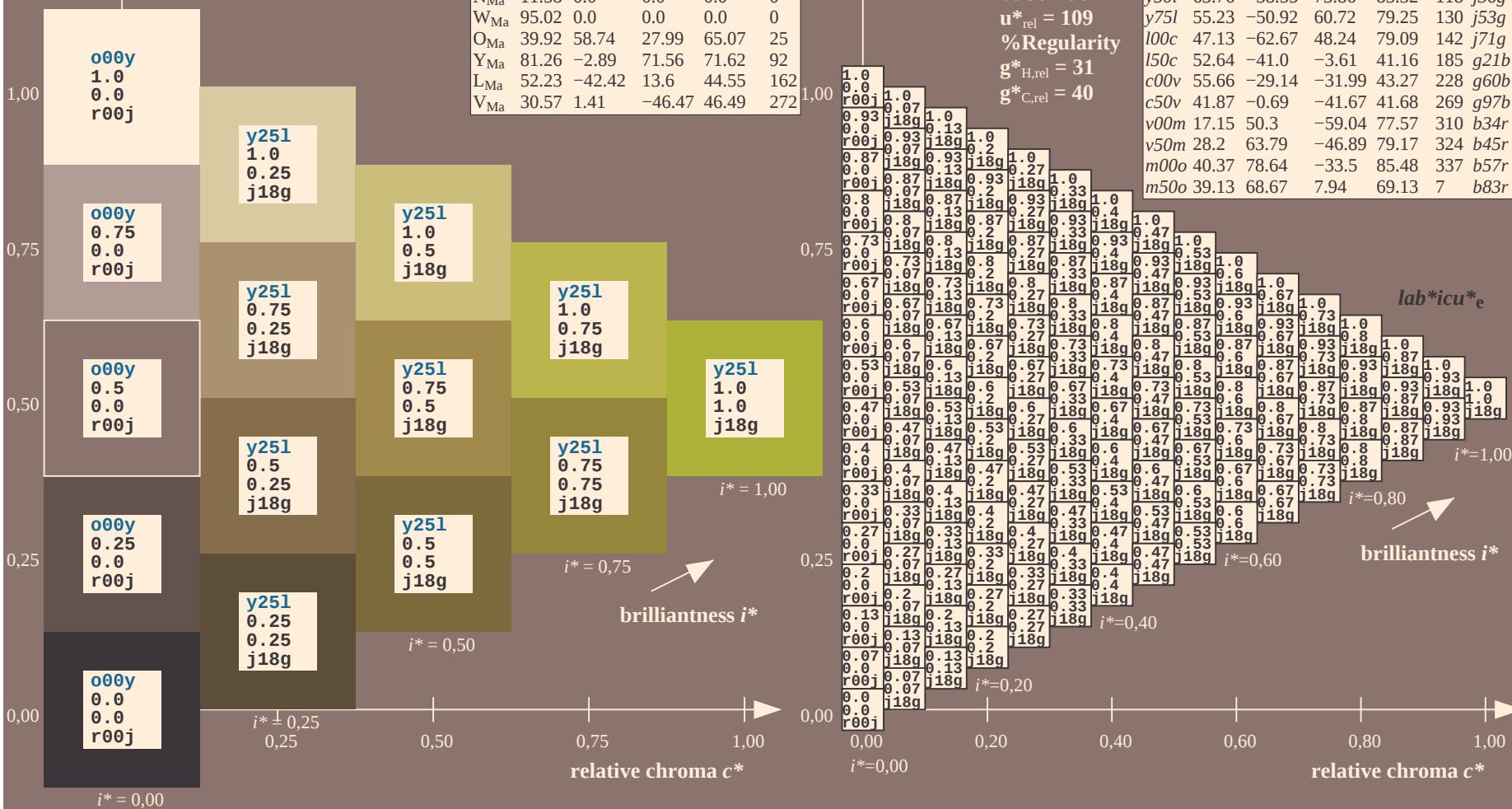
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

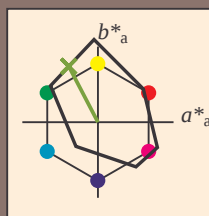
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 64 -39 74

$LAB^*LCH^*_{Ma}$: 64 83 117

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

$lab^*rgb^*_{Ma}$: 0.64 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$lab^*icu^*_e$

$i^* = 1.00$

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

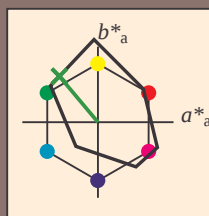
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -51 61

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 79 129

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.25 1.0 0.0

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.46 1.0 0.0

triangle lightness t^*

% Gamut

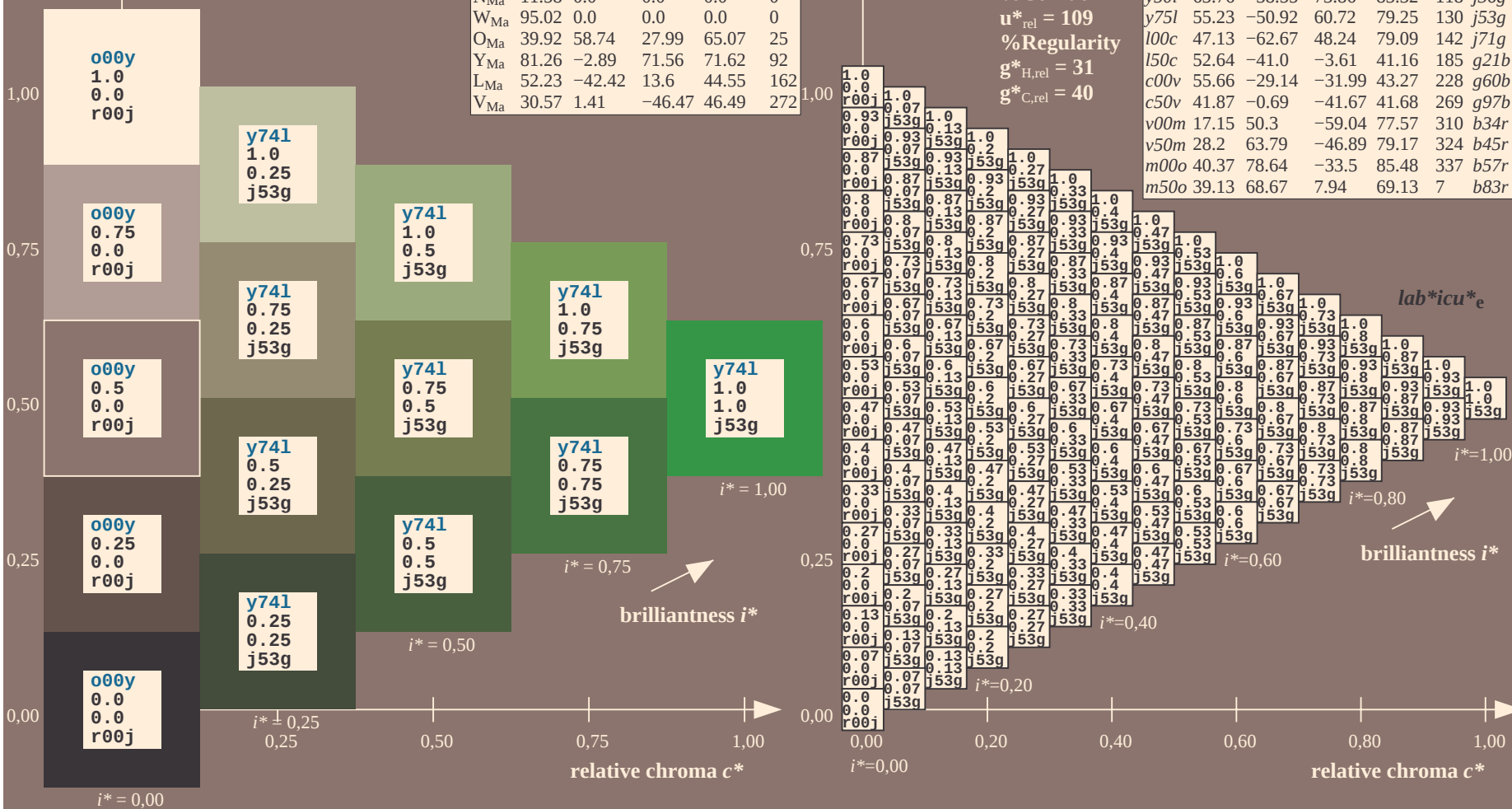
$u^*_{\text{rel}} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

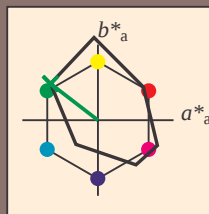
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 47 -63 48

$LAB^*LCH^*_{Ma}$: 47 79 142

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

$lab^*rgb^*_{Ma}$: 0.28 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$lab^*icu^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmY0* setcmYk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

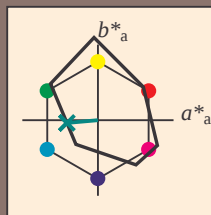
Hue texts:

$u^*_d = 150c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -41 -4

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 41 185

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 1.0 0.42

triangle lightness t^*

% Gamut

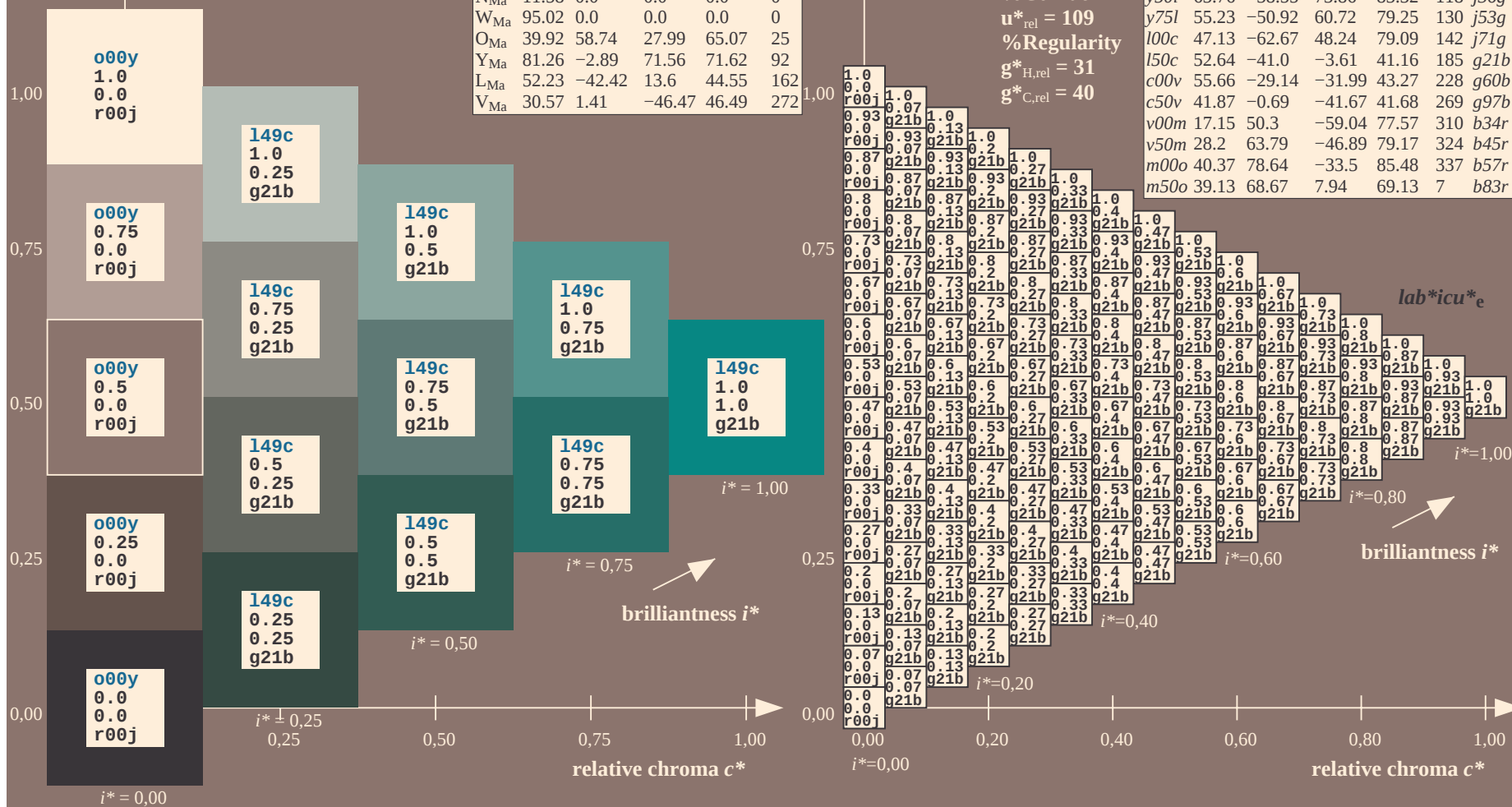
$u^*_{\text{rel}} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

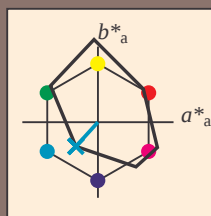
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

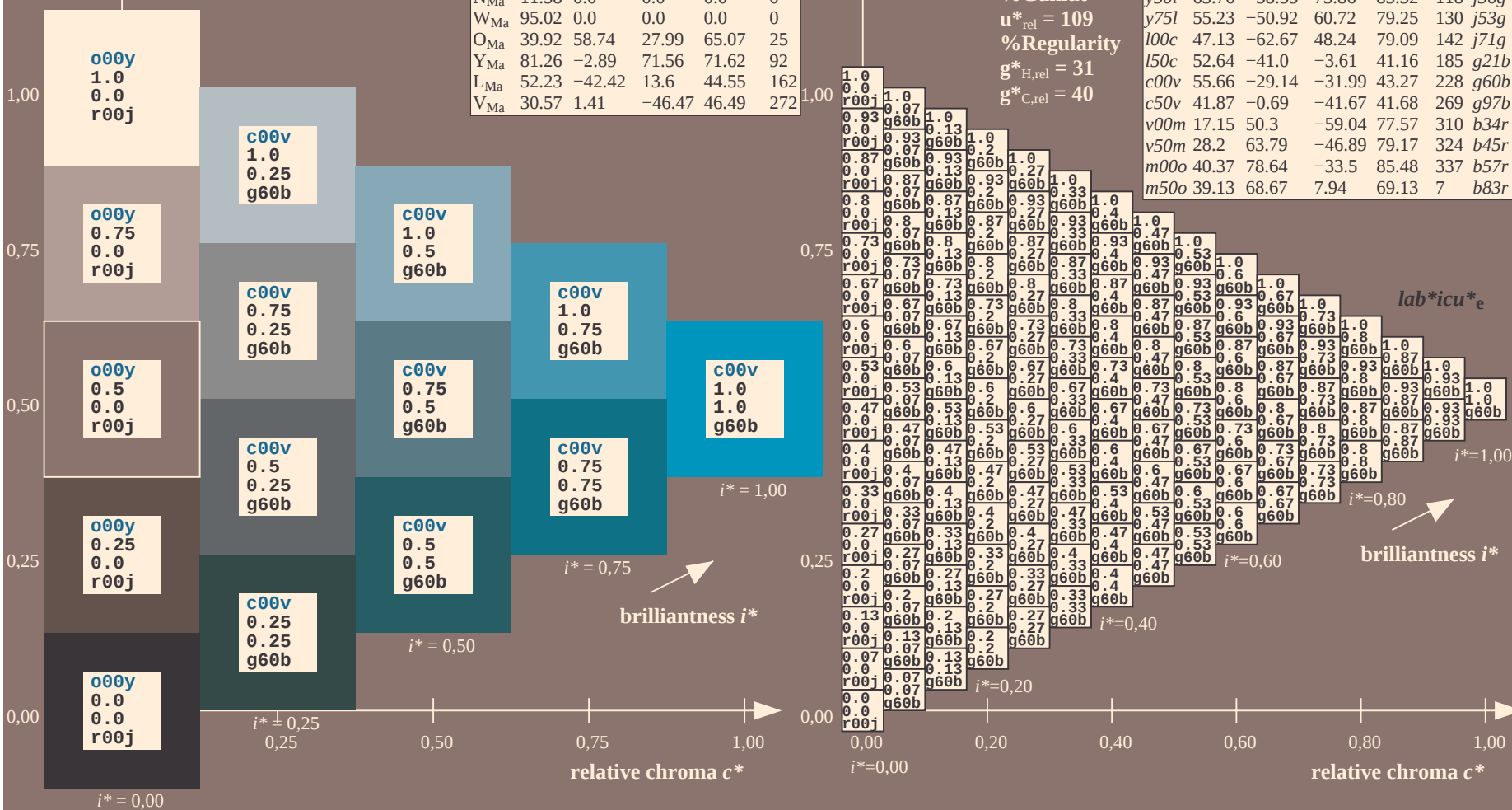
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

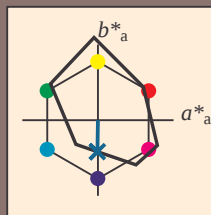
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

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

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 42 42 269

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.05 1.0

triangle lightness t^*

%Gamut

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

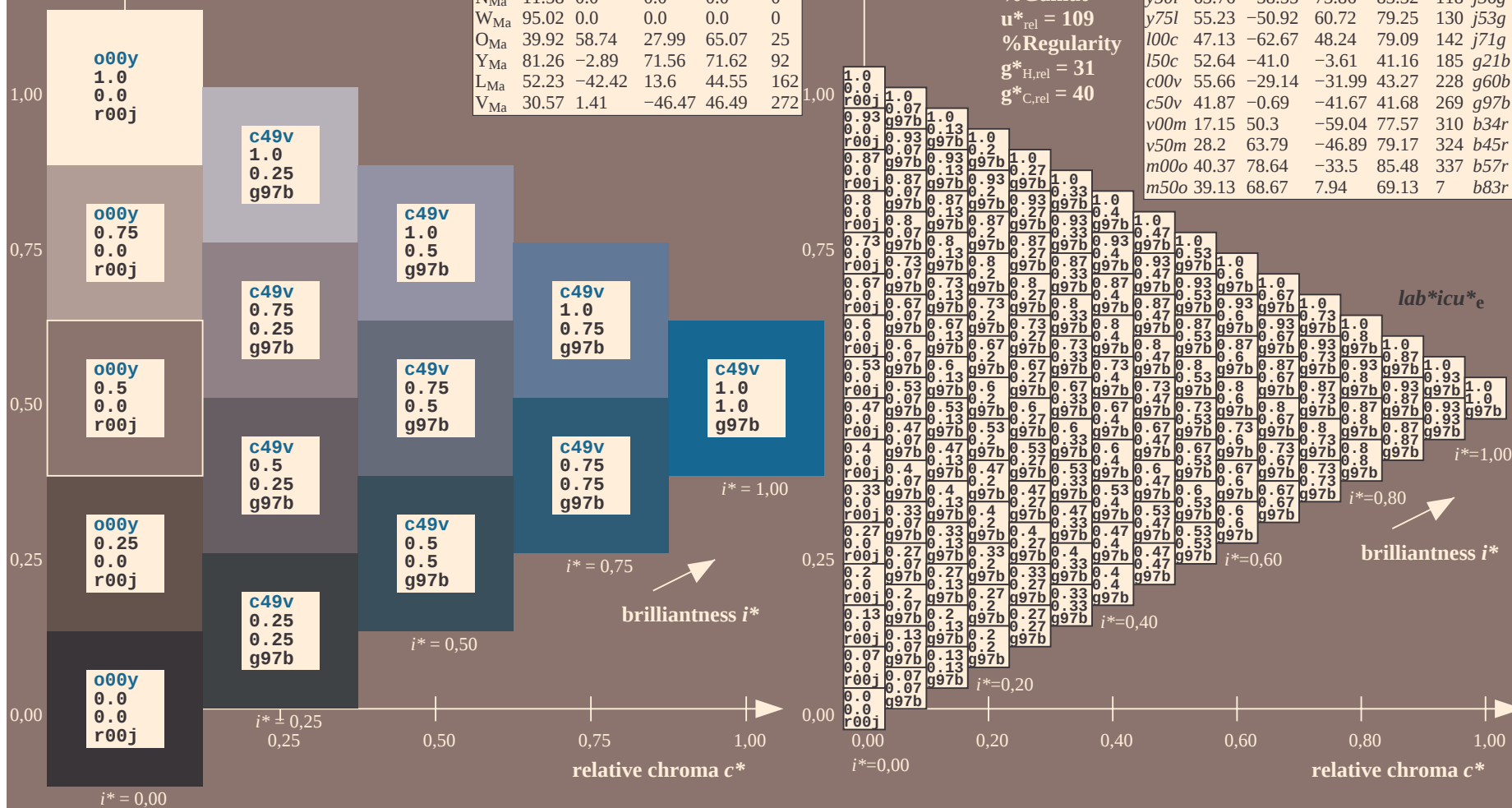
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

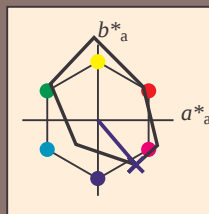
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	38.06	60.0	44.0	74.4	36
Y _{Ma}	86.77	-5.17	109.32	109.44	93
L _{Ma}	47.13	-62.67	48.24	79.09	142
C _{Ma}	55.66	-29.14	-31.99	43.27	228
V _{Ma}	17.15	50.3	-59.04	77.57	310
M _{Ma}	40.37	78.64	-33.5	85.48	337
N _{Ma}	11.58	0.0	0.0	0.0	0
W _{Ma}	95.02	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

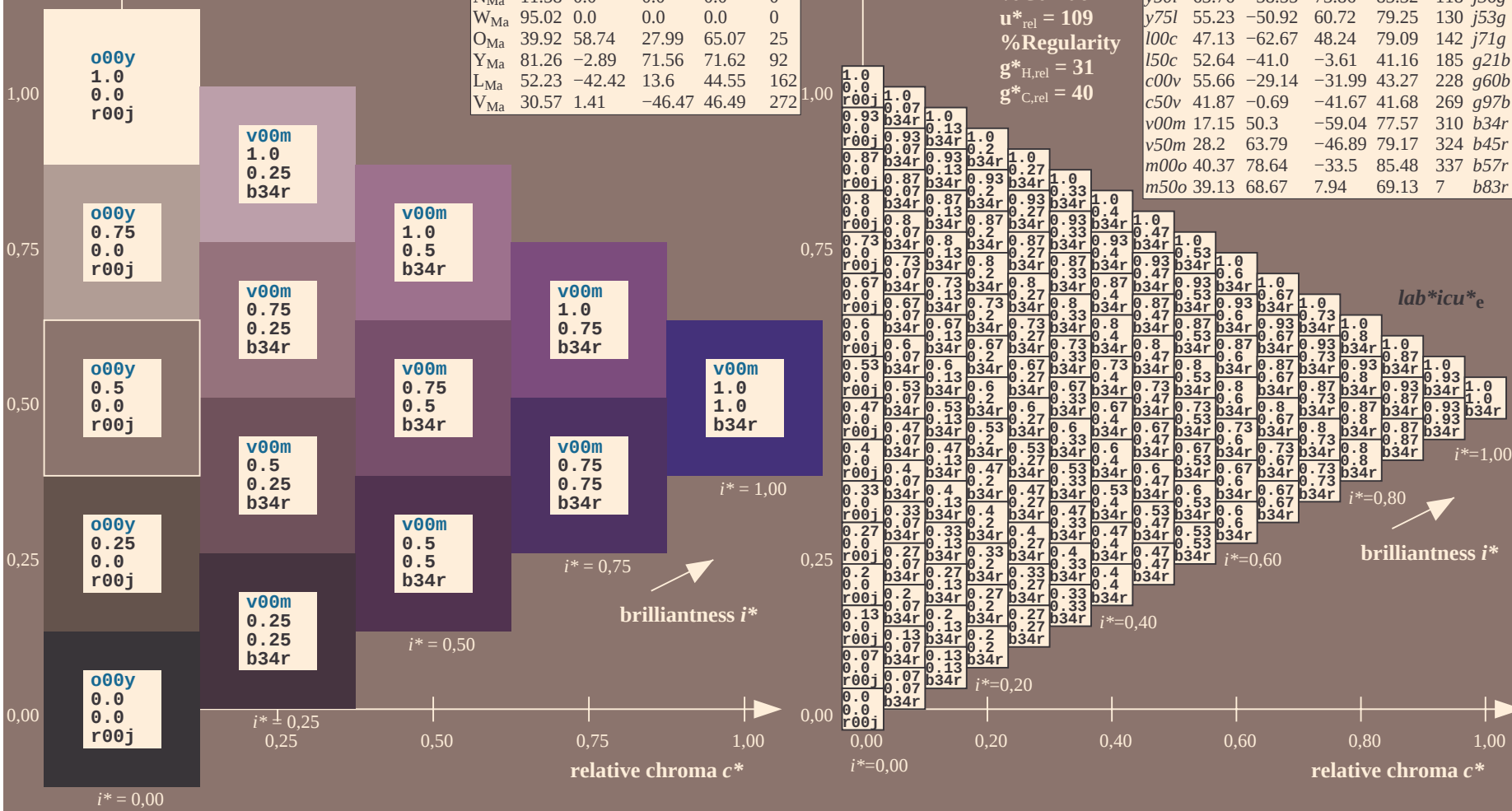
$g^*_{H,rel} = 31$

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$u^*_d = v00m$
 $lab^*icu^*_e$



Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ data for any colour: Data for maximum colour (Ma):

$u^*_d = v_{50m}$
 $lab^*icu^*_e$

Hue texts:

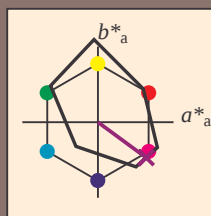
$$u^*_d = v50m \quad u^*_e = b45r$$

contrast reduction factor:

$$c_D = 1.0$$

K triangle

triangle lightness t



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.95	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*Ma: 28 64 -47

LAB*LCH*M₂: 28 79 323

*lab*oly**M₂: 0.5 0.0 1.0

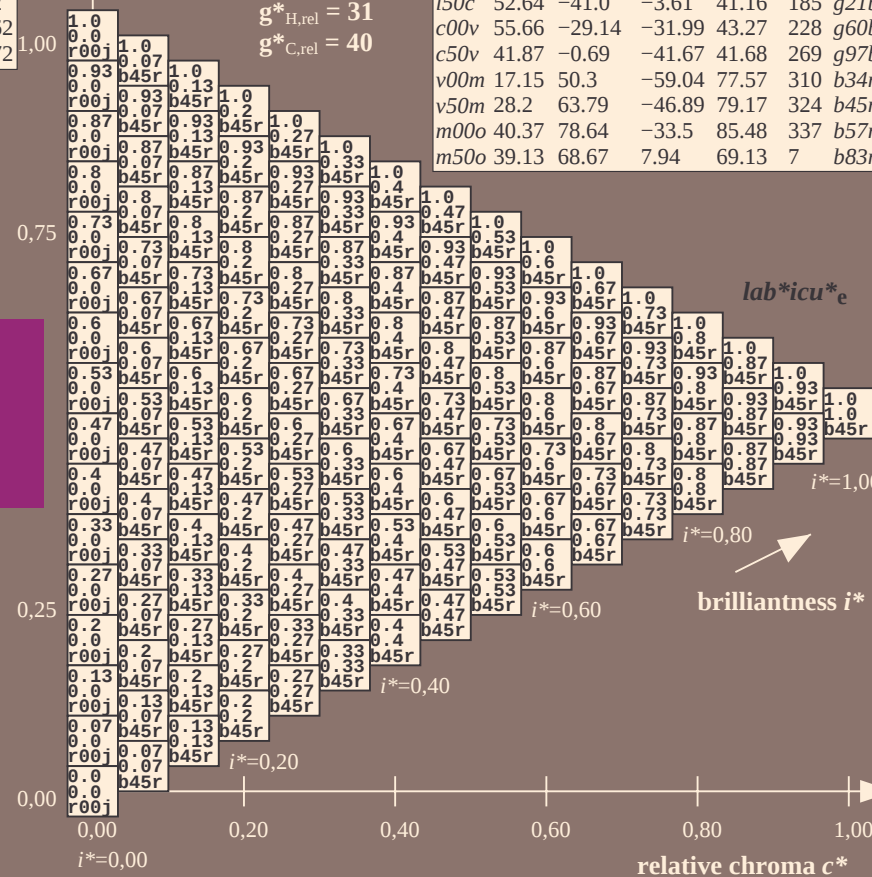
$$lab*rgb*_{MS}: 0.91 \quad 0.0 \quad 1.0$$
triangle lightness t^*

triangle heightness t

%Gamut

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

%Regularity

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

Relative chromatin c₀

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

BAM registration: 20081001-Fe62/10L/L62e00FP.PDF/ .PS BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

Version 2.1, io=1,1, CIELAB, ColSpx=0

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

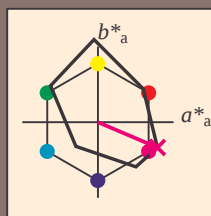
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 40 79 -34

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 40 85 336

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.0 0.85

triangle lightness t^*

%Gamut

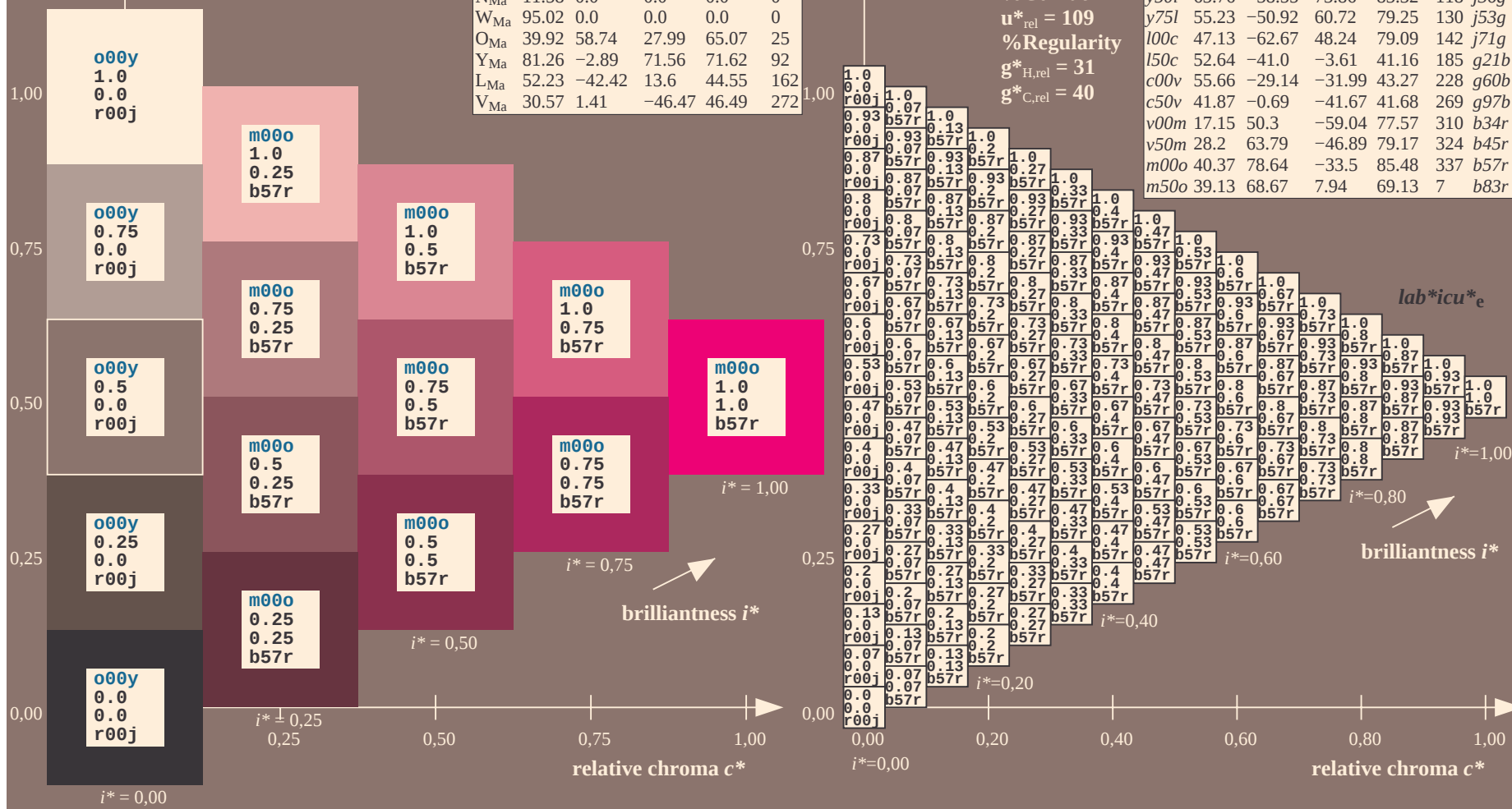
$u^*_{\text{rel}} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

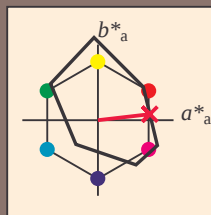
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	38.06	60.0	44.0	74.4	36	
Y _{Ma}	86.77	-5.17	109.32	109.44	93	
L _{Ma}	47.13	-62.67	48.24	79.09	142	
C _{Ma}	55.66	-29.14	-31.99	43.27	228	
V _{Ma}	17.15	50.3	-59.04	77.57	310	
M _{Ma}	40.37	78.64	-33.5	85.48	337	
N _{Ma}	11.58	0.0	0.0	0.0	0	
W _{Ma}	95.02	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 39 69 8

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 39 69 6

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.0 0.33

triangle lightness t^*

%Gamut

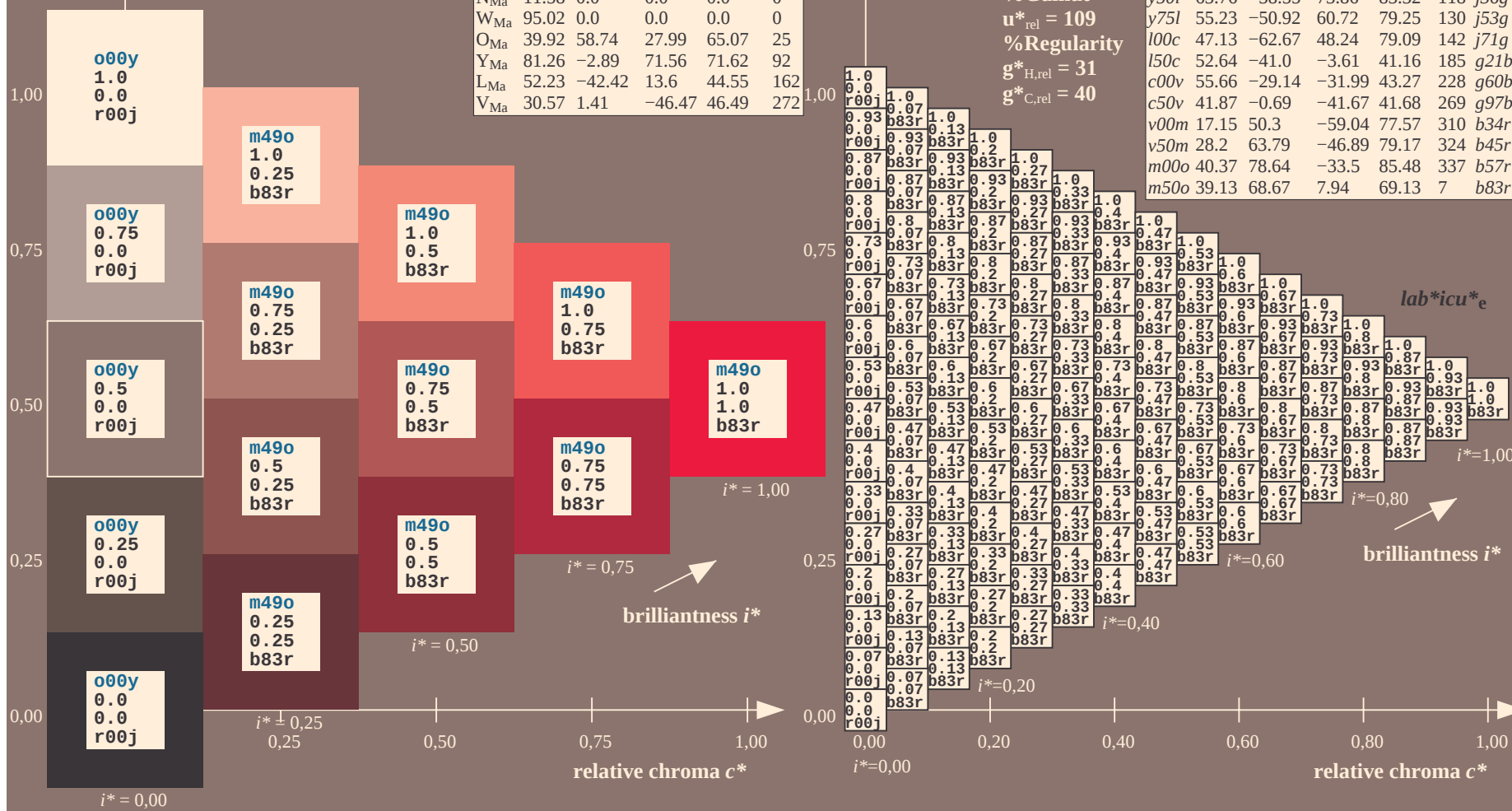
$u^*_{\text{rel}} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

See for similar files: <http://www.ps.bam.de/Fe62/>; 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*	e			
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	0.38	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	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0			
03	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13		
04	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	
05	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25		
06	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.13	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.13	0.25	0.38	0.5	0.63	0.75	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	
07	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38		
08	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.25	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	
09	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	
10	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38
11	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	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	
12	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	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	
13	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	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		
14	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.63	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	
15	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
16	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	
17	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	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	
18	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
19	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	0.88	0.75	0.63	0.5	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	
20	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
21	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
22	0.75	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
23	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
24	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
25	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
26	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
27	1.0	0.88	0.75	0.63	0.63	0.63	0.63	0.63	0.63	1.0	0.88	0.75	0.63	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	

Input and output:

Colorimetric Printer Reflective System FRS12_95a
data for any colour:

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

device hue text:

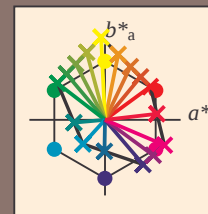
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

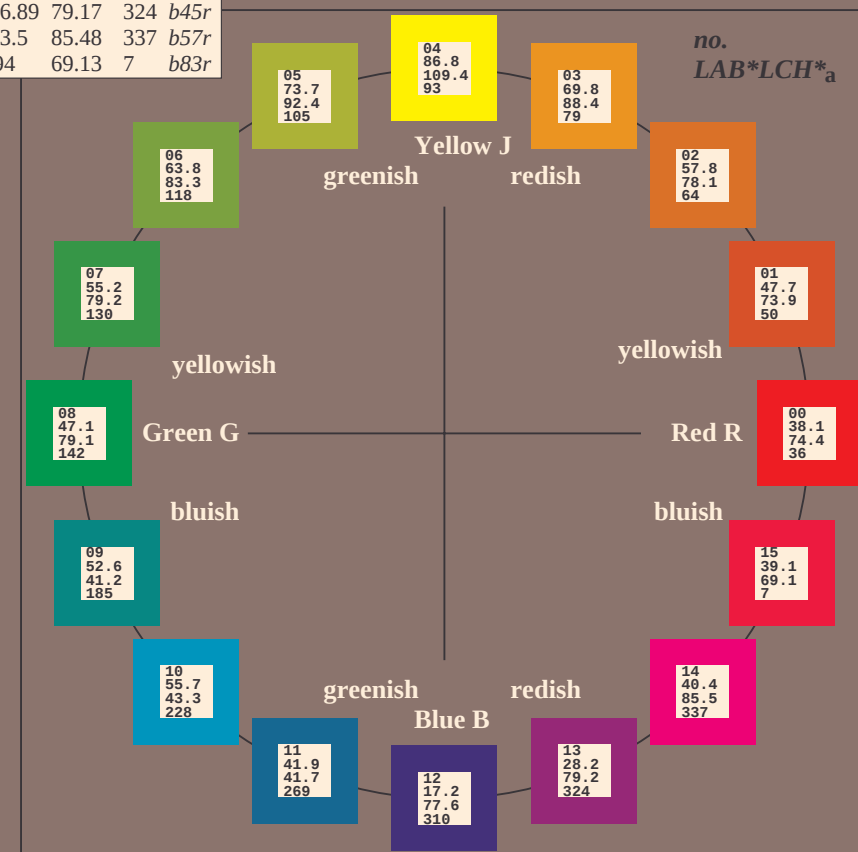
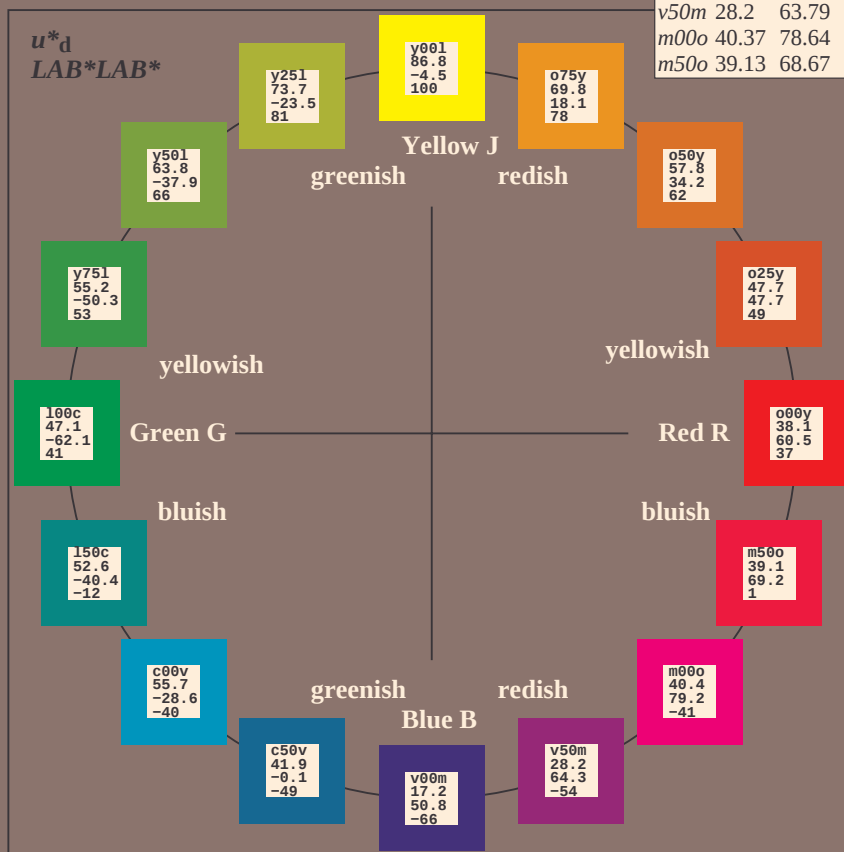
%Regularity

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

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

FRS12_95; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

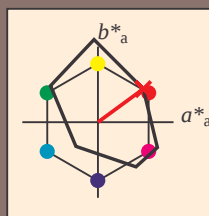
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 60 44

LAB^*LCH^*Ma : 38 74 36

lab^*olv^*Ma : 1.0 0.0 0.0

lab^*rgb^*Ma : 1.0 0.16 0.0

triangle lightness t^*

%Gamut

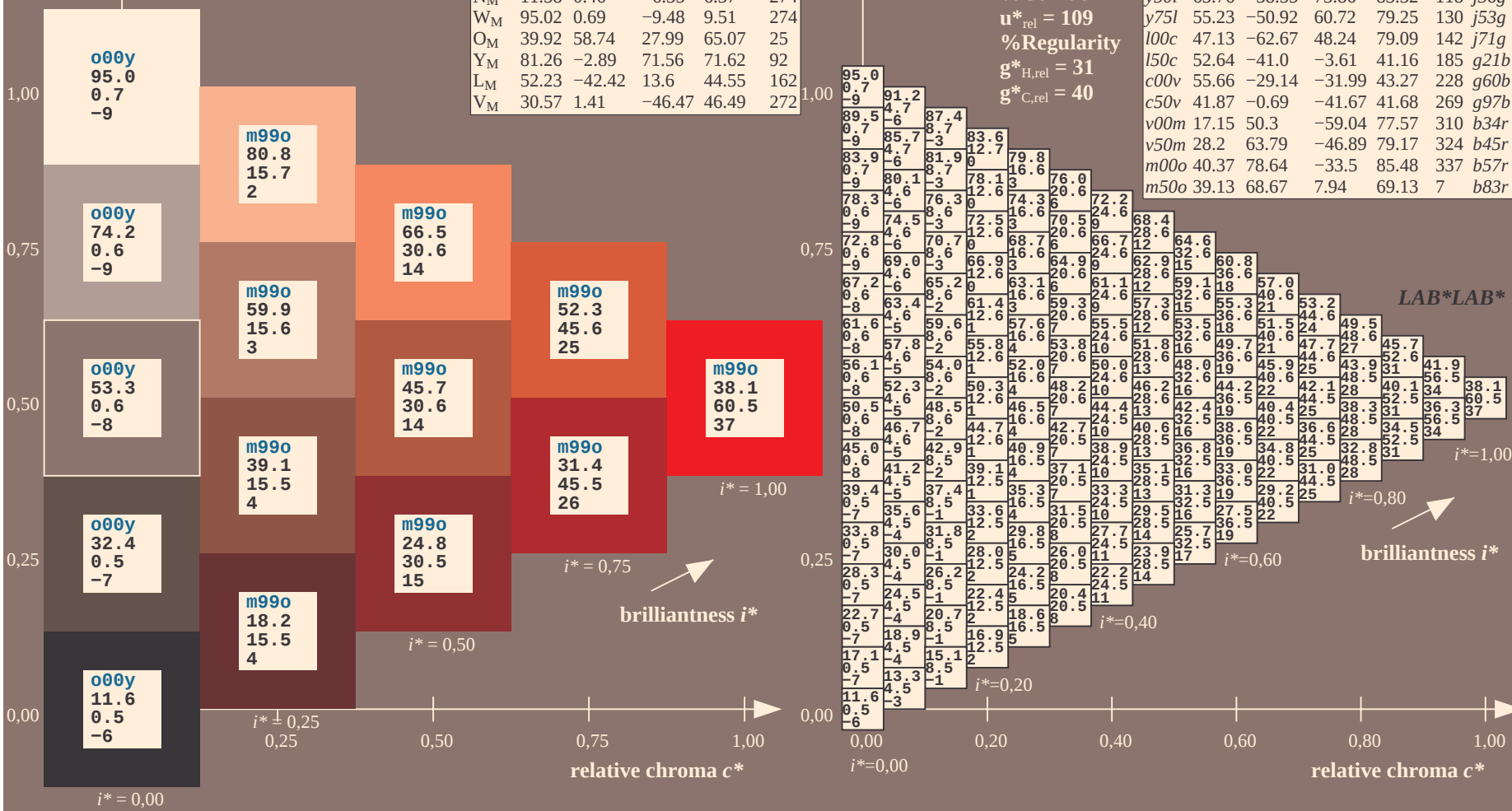
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

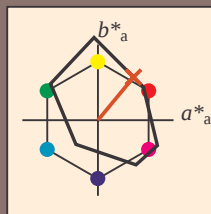
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 48 47 57

LAB^*LCH^*Ma : 48 74 50

lab^*olv^*Ma : 1.0 0.25 0.0

lab^*rgb^*Ma : 1.0 0.37 0.0

triangle lightness t^*

%Gamut

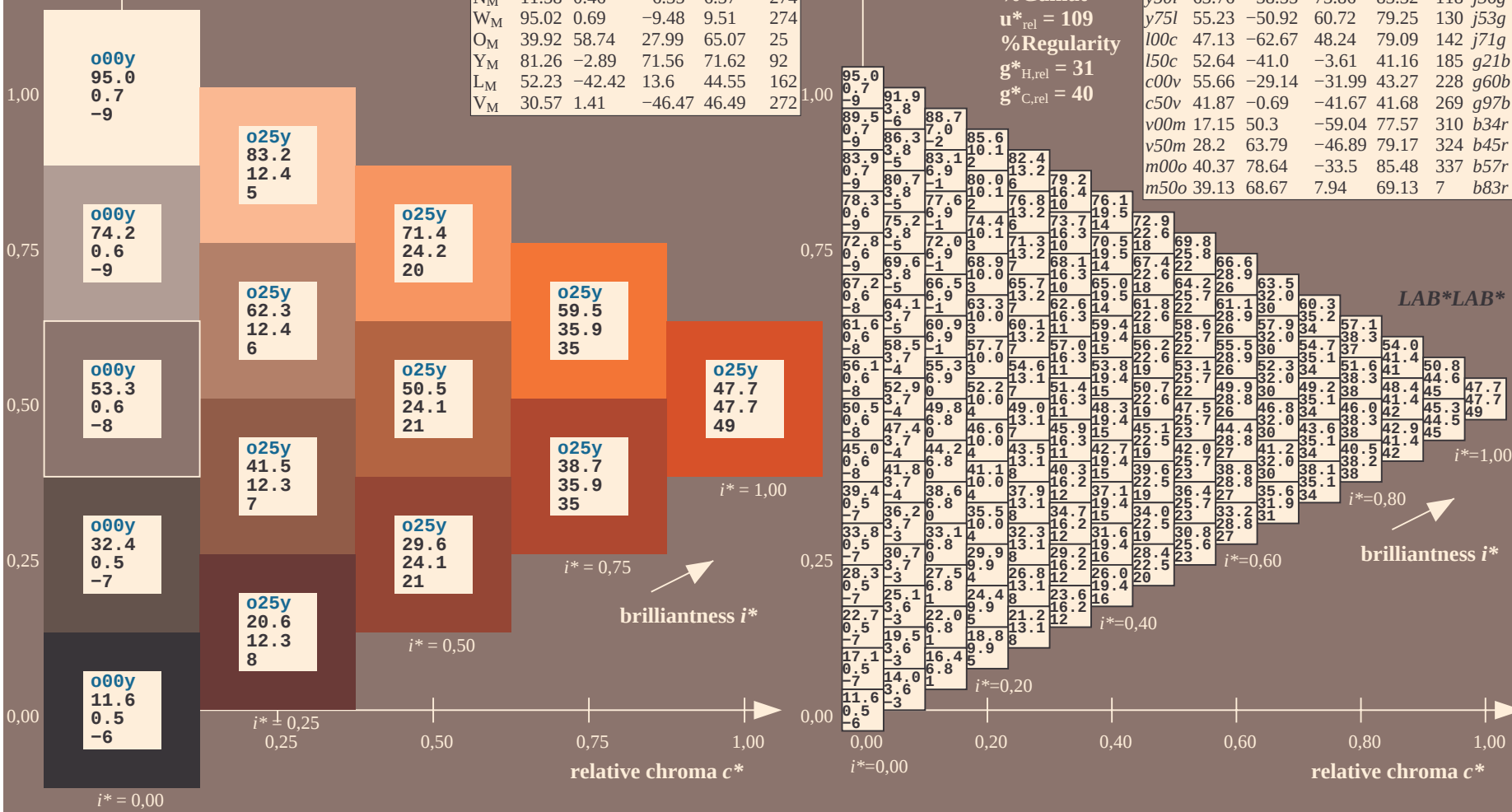
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

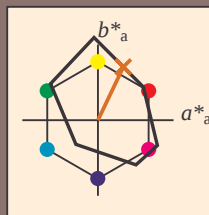
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 58 34 70

LAB^*LCH^*Ma : 58 78 64

lab^*olv^*Ma : 1.0 0.5 0.0

lab^*rgb^*Ma : 1.0 0.58 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

LAB^*LAB^*

$i^*=1.00$

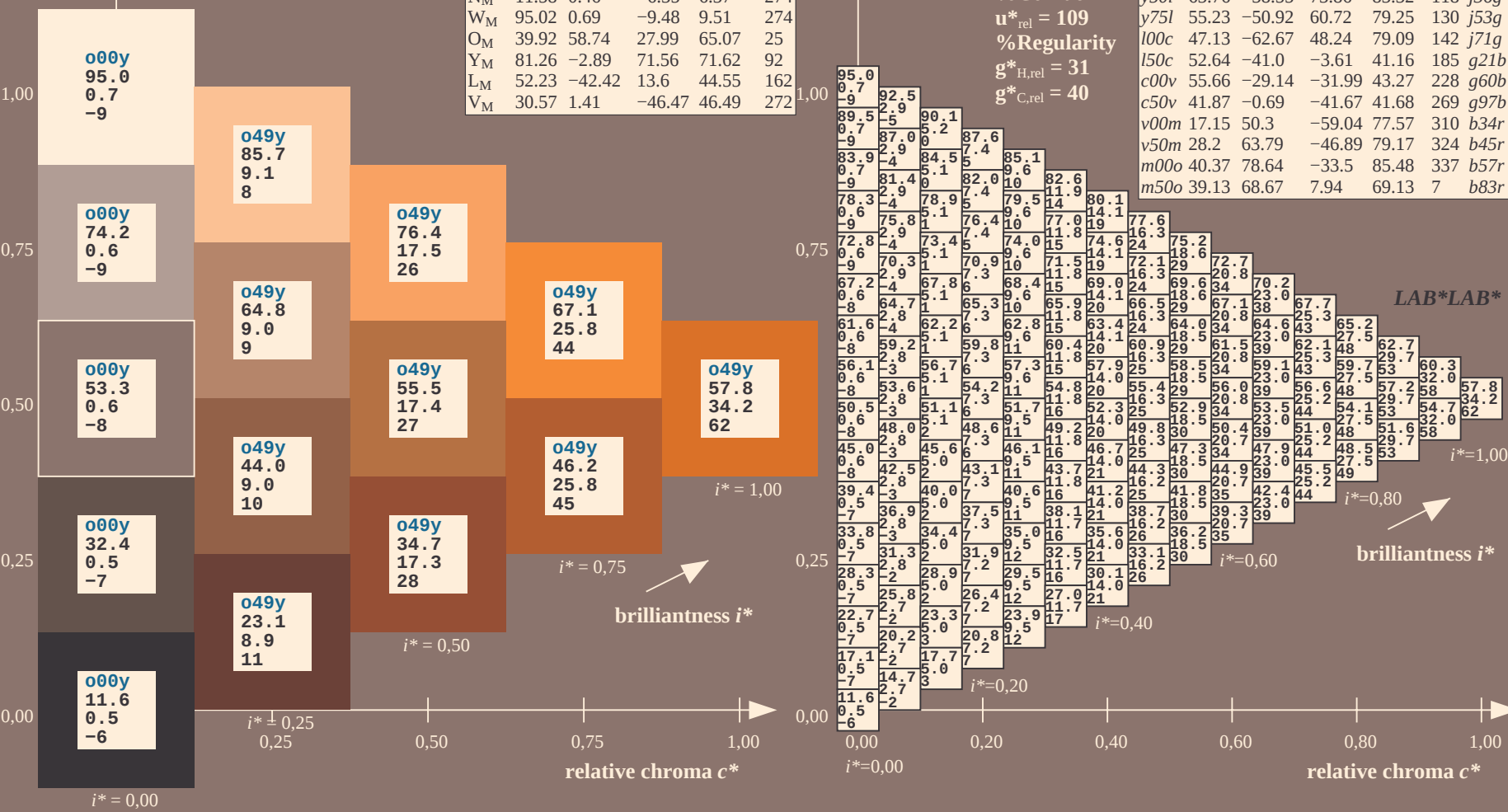
brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

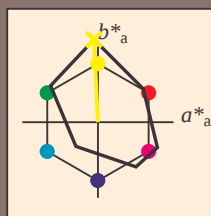
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 87 -5 109$

$LAB^*LCH^*Ma: 87 109 92$

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

$lab^*rgb^*Ma: 0.99 1.0 0.0$

triangle lightness t^*

%Gamut

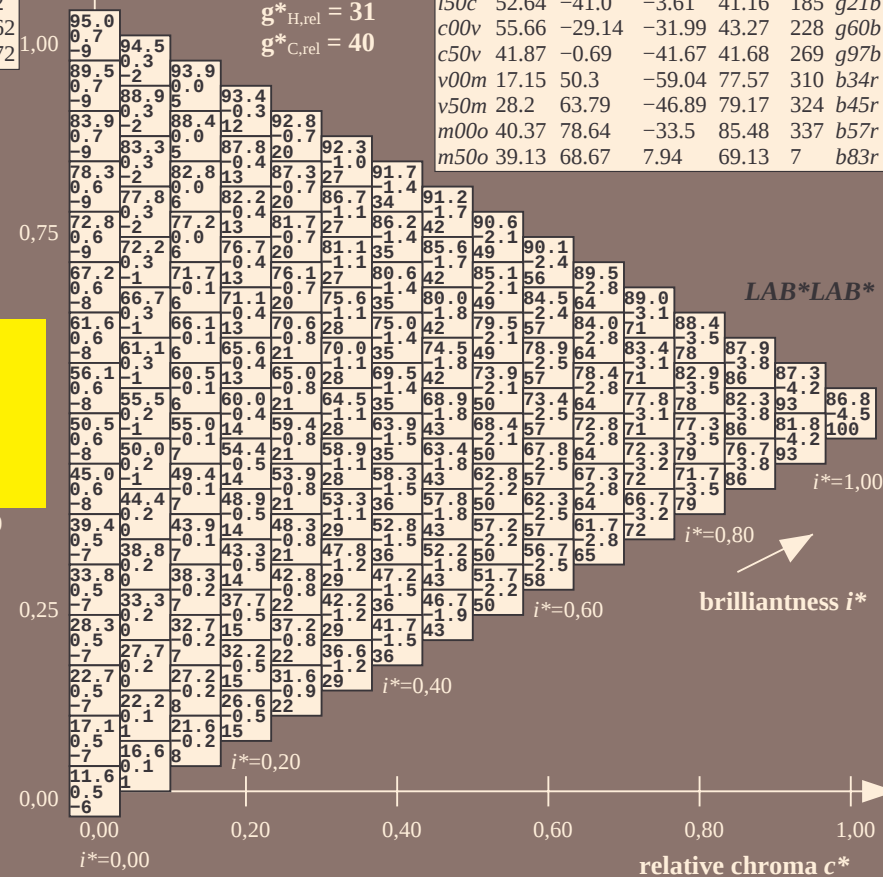
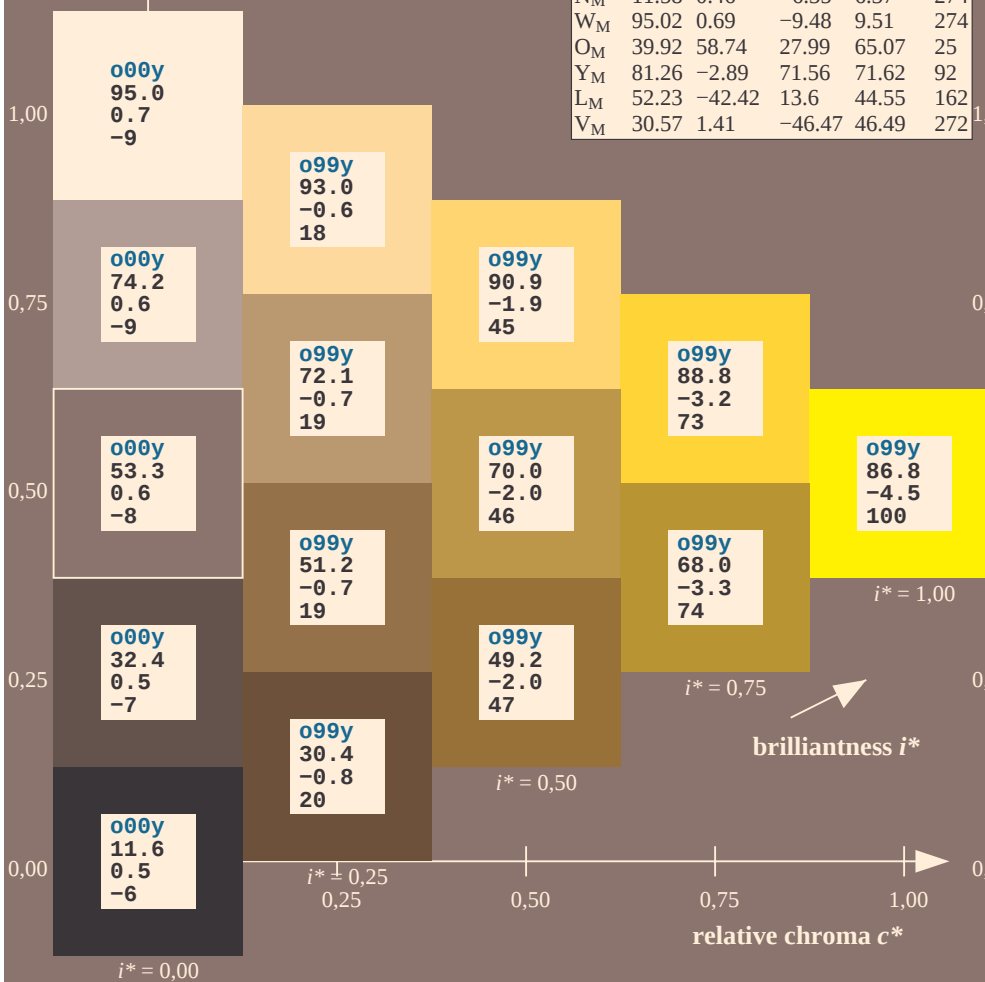
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

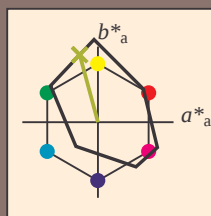
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 74 -24 89$

$LAB^*LCH^*Ma: 74 92 105$

$lab^*olv^*Ma: 0.75 1.0 0.0$

$lab^*rgb^*Ma: 0.82 1.0 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

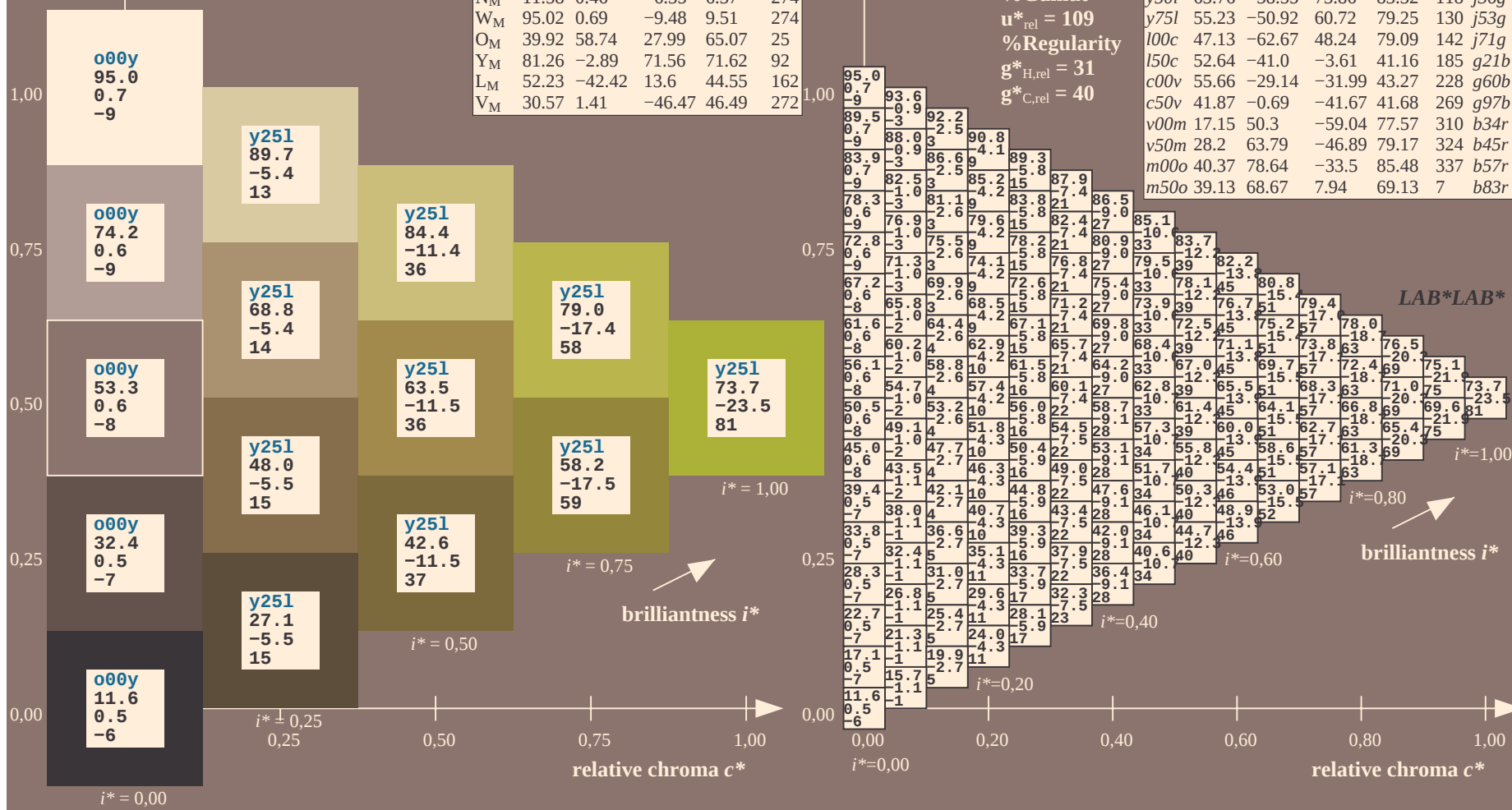
$g^*_{H,rel} = 31$

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

$u^*_d = y25l$
 LAB^*LAB^*

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

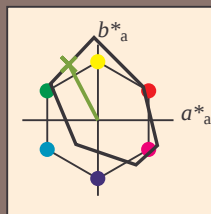
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 64 -39 74

LAB^*LCH^*Ma : 64 83 117

lab^*olv^*Ma : 0.5 1.0 0.0

lab^*rgb^*Ma : 0.64 1.0 0.0

triangle lightness t^*

%Gamut

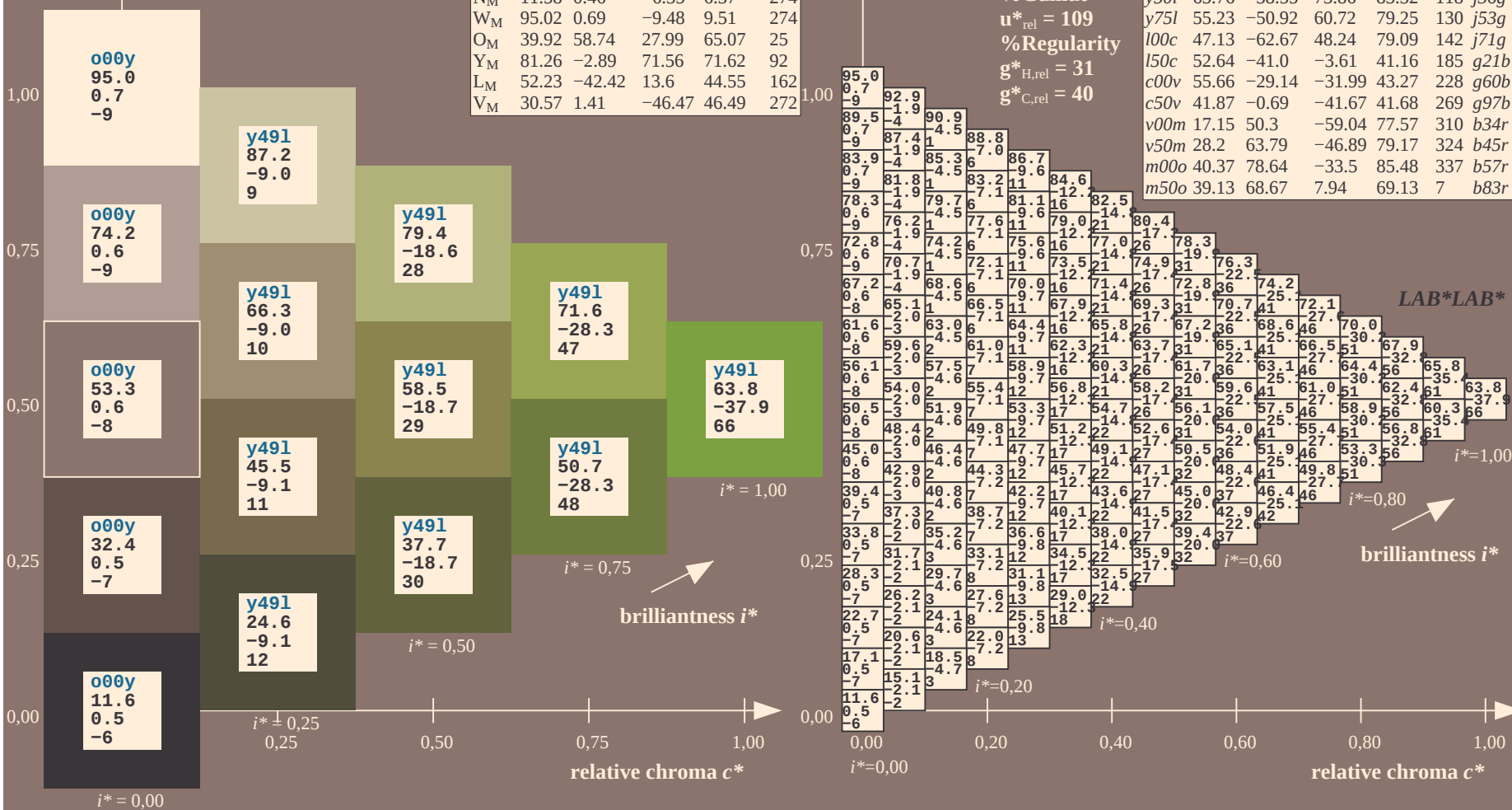
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

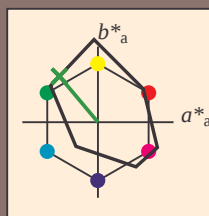
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 55 -51 61$

$LAB^*LCH^*Ma: 55 79 129$

$lab^*olv^*Ma: 0.25 1.0 0.0$

$lab^*rgb^*Ma: 0.46 1.0 0.0$

triangle lightness t^*

%Gamut

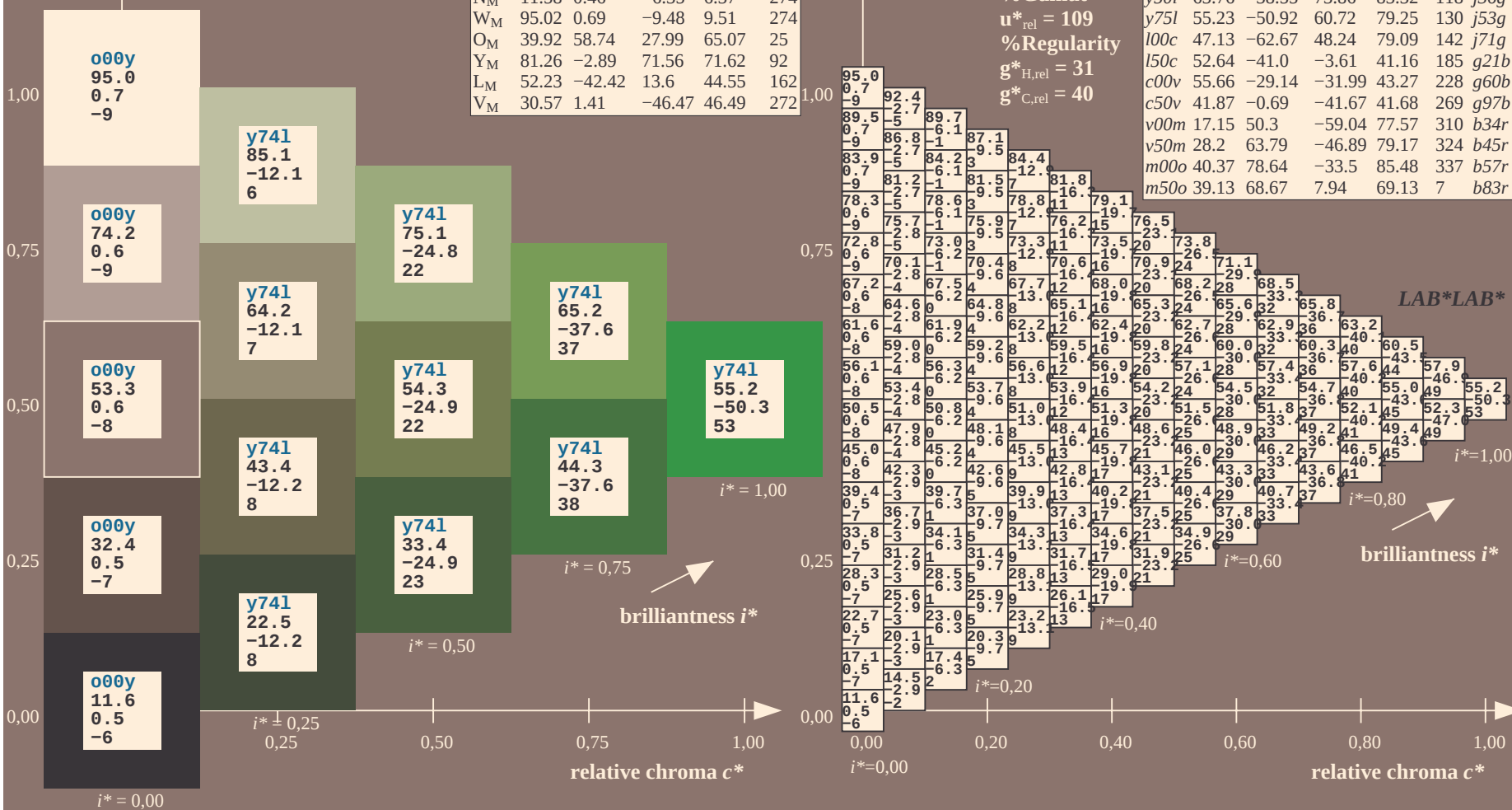
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

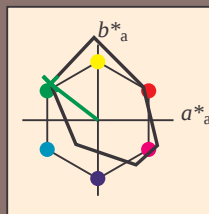
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 47 -63 48

LAB^*LCH^*Ma : 47 79 142

lab^*olv^*Ma : 0.0 1.0 0.0

lab^*rgb^*Ma : 0.28 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

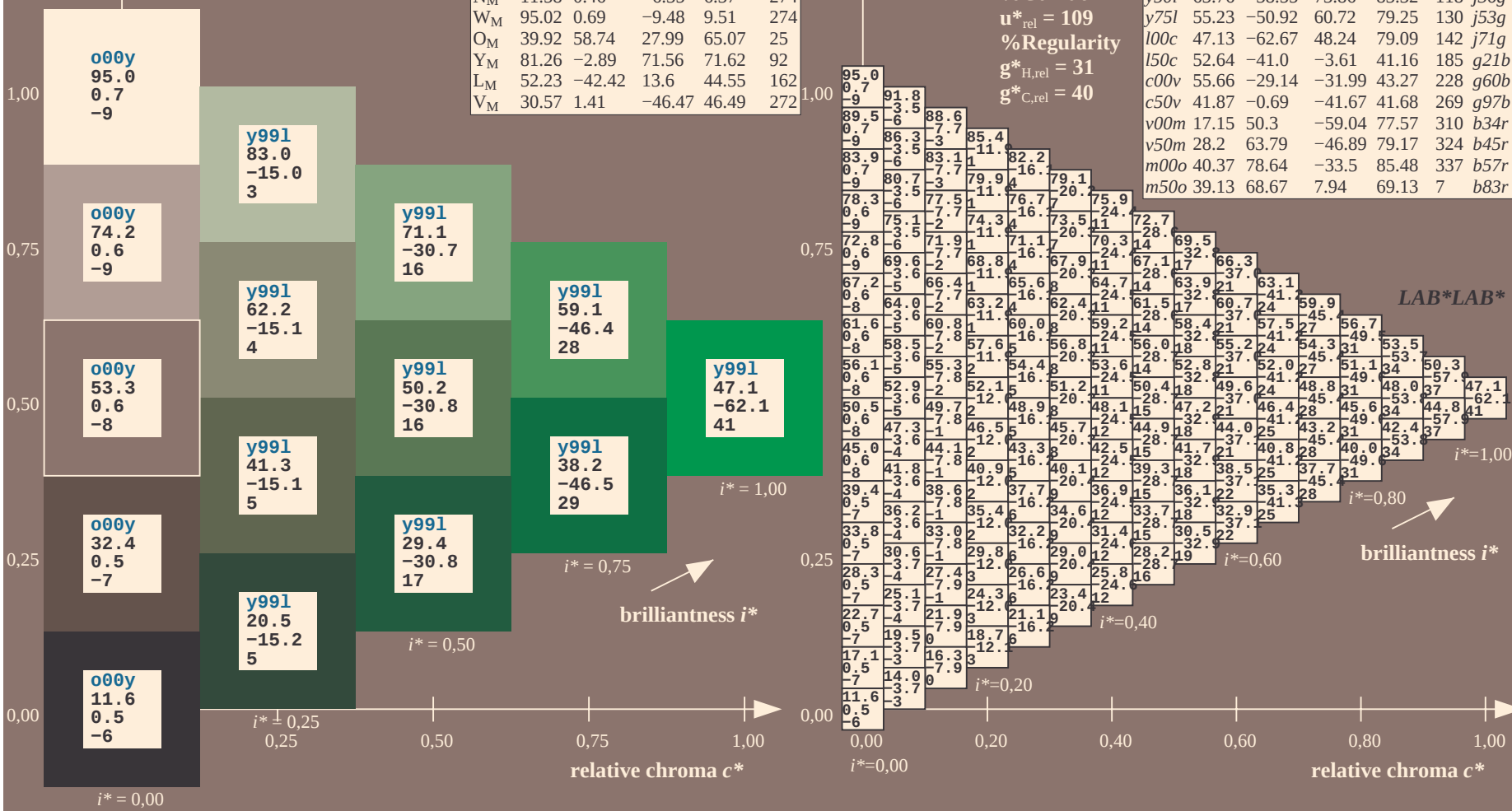
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



triangle lightness t^*



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

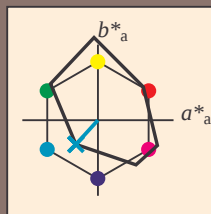
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
	u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31	
Y_M	86.77	-4.5	100.15	100.25	93	
L_M	47.13	-62.11	40.56	74.18	147	
C_M	55.66	-28.56	-39.99	49.14	234	
V_M	17.15	50.78	-65.6	82.96	308	
M_M	40.37	79.18	-40.93	89.13	333	
N_M	11.58	0.46	-6.35	6.37	274	
W_M	95.02	0.69	-9.48	9.51	274	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma: 56 -29 -32$

$LAB^*LCH^*_Ma: 56 43 227$

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

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

triangle lightness t^*

%Gamut

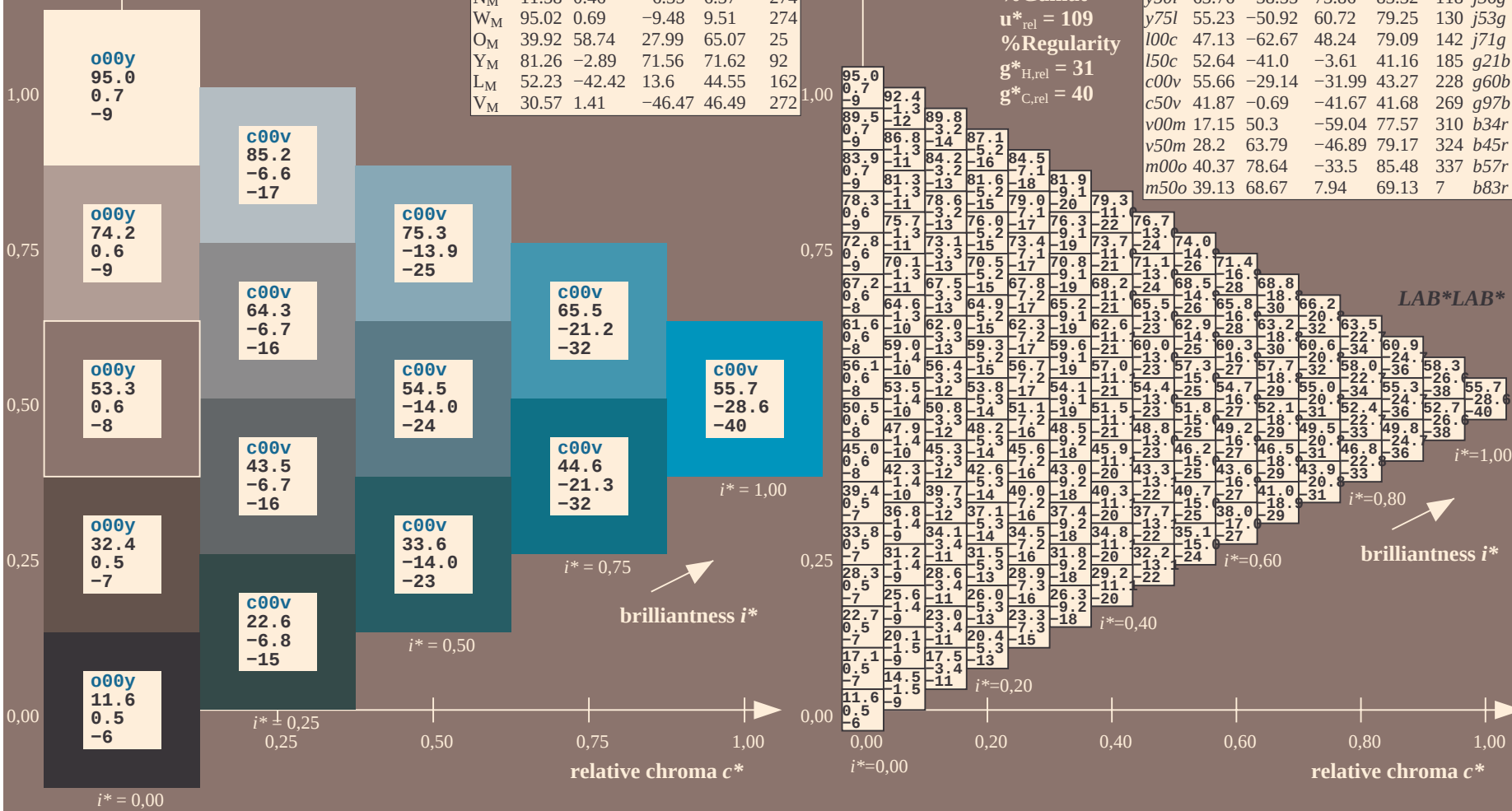
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36		$r16j$
$o25y$	47.68	47.13	56.9	73.88	50		$r37j$
$o50y$	57.77	33.62	70.44	78.05	64		$r58j$
$o75y$	69.84	17.48	86.62	88.37	79		$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93		$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105		$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118		$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130		$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142		$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185		$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228		$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269		$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310		$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324		$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337		$b57r$
$m50o$	39.13	68.67	7.94	69.13	7		$b83r$



triangle lightness t^* 

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

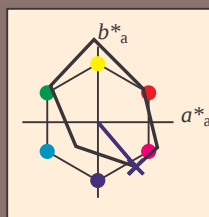
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 17 50 -59

LAB^*LCH^*Ma : 17 78 310

lab^*olv^*Ma : 0.0 0.0 1.0

lab^*rgb^*Ma : 0.68 0.0 1.0

triangle lightness t^*

%Gamut

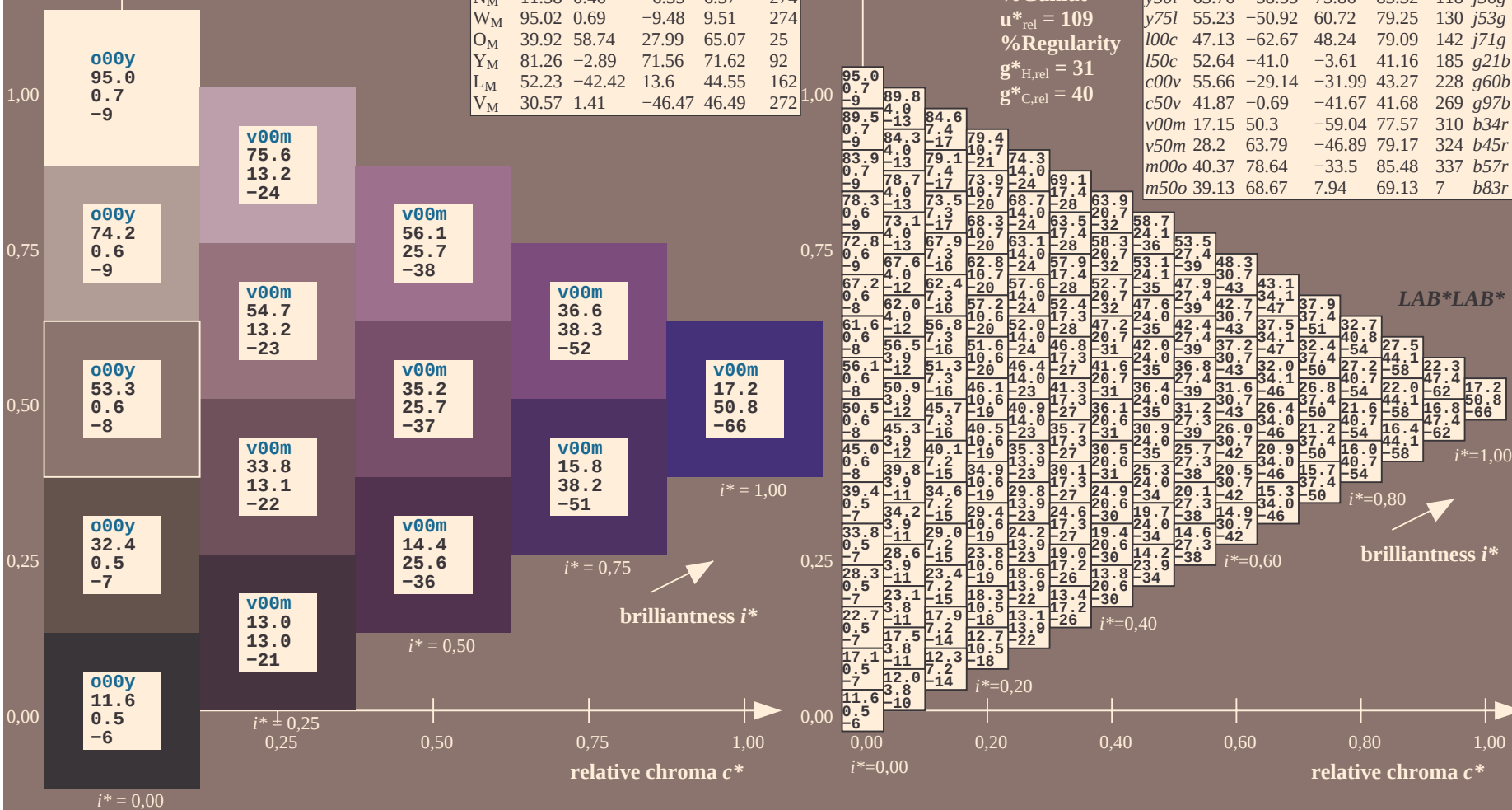
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, $L^*=12_95$ for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$ data for any colour: Data for maximum colour (Ma):

$u_d^* = v_{50m}$
LAB*LAB*

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

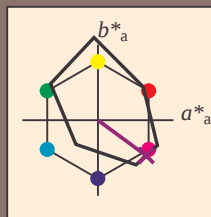
Hue texts:

$$u^*_d = v50m \quad u^*_e = b45r$$

contrast reduction factor:

$$c_D = 1.0$$

triangle lightness t^*



FRS12_95; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	30
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	167
V _M	30.57	1.41	-46.47	46.49	273

Data for maximum colour (Ma):

LAB*LAB*Ma: 28 64 -47

LAB*LCH*Ma: 28 79 323

lab*olv*Ma: 0.5 0.0 1.0

lab*rgb*_{Ma}: 0.91 0.0 1.0

triangle lightness t^*

0

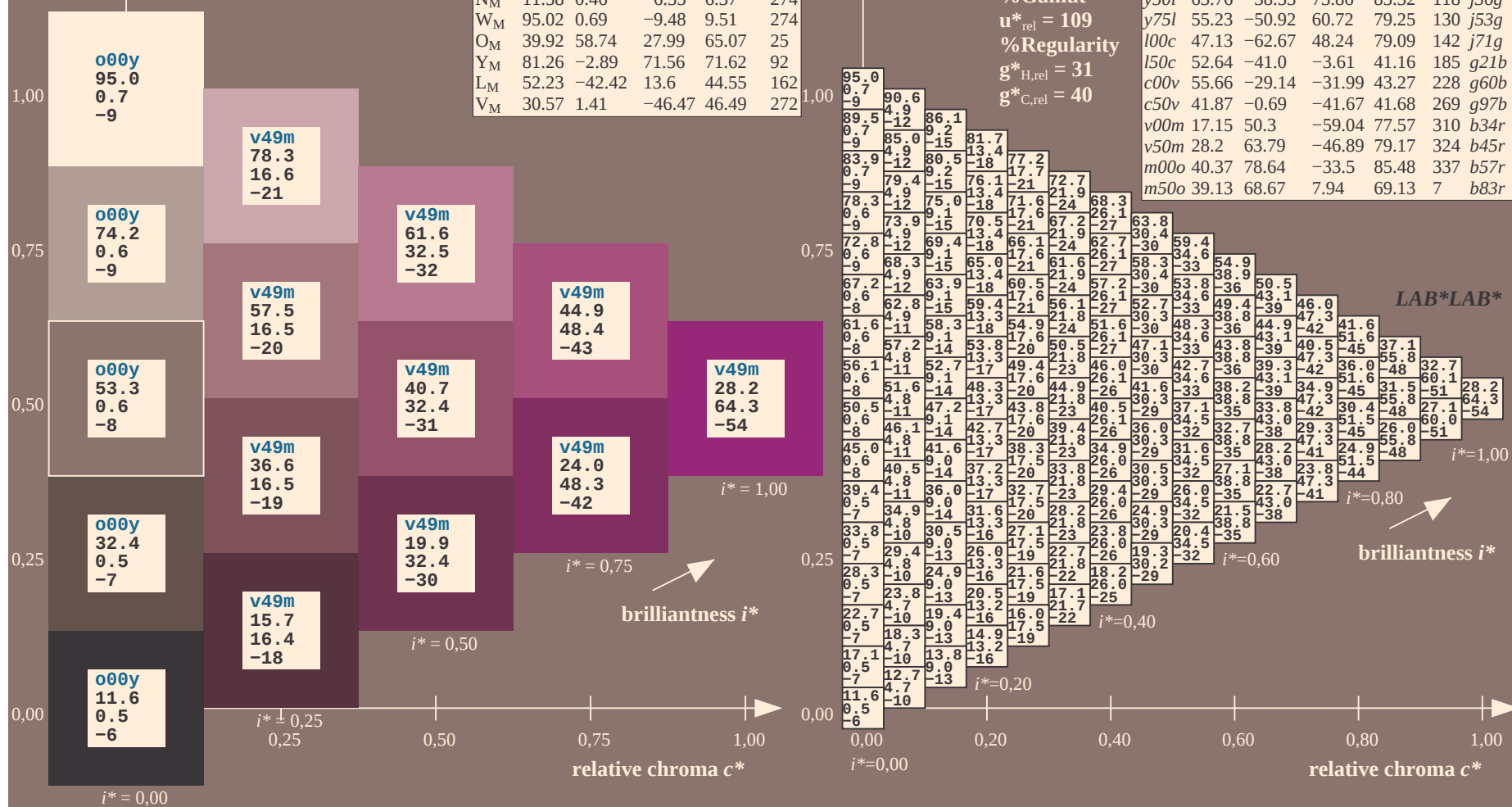
%Gamut

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

%Regularity

$$g^*_{H_{rel}} = 31$$
$$g^*_{C_{rel}} = 40$$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	38.06	60.0	44.0	74.4	36	<i>r16j</i>	
<i>o25y</i>	47.68	47.13	56.9	73.88	50	<i>r37j</i>	
<i>o50y</i>	57.77	33.62	70.44	78.05	64	<i>r58j</i>	
<i>o75y</i>	69.84	17.48	86.62	88.37	79	<i>r79j</i>	
<i>y00l</i>	86.77	-5.17	109.32	109.44	93	<i>j01g</i>	
<i>y25l</i>	73.71	-24.12	89.19	92.39	105	<i>j18g</i>	
<i>y50l</i>	63.76	-38.55	73.86	83.32	118	<i>j36g</i>	
<i>y75l</i>	55.23	-50.92	60.72	79.25	130	<i>j53g</i>	
<i>l00c</i>	47.13	-62.67	48.24	79.09	142	<i>j71g</i>	
<i>l50c</i>	52.64	-41.0	-3.61	41.16	185	<i>g21b</i>	
<i>c00v</i>	55.66	-29.14	-31.99	43.27	228	<i>g60b</i>	
<i>c50v</i>	41.87	-0.69	-41.67	41.68	269	<i>g97b</i>	
<i>v00m</i>	17.15	50.3	-59.04	77.57	310	<i>b34r</i>	
<i>v50m</i>	28.52	63.79	-46.89	79.17	324	<i>b45r</i>	
<i>m00o</i>	40.37	78.64	-33.5	85.48	337	<i>b57r</i>	
<i>m50o</i>	39.13	68.67	7.94	69.13	7	<i>b83r</i>	



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues $000y$ to $m50o$

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmv0* setcmvk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

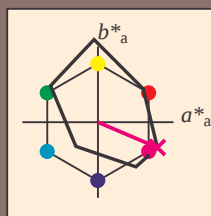
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 40 79 -34

LAB^*LCH^*Ma : 40 85 336

lab^*olv^*Ma : 1.0 0.0 1.0

lab^*rgb^*Ma : 1.0 0.0 0.85

triangle lightness t^*

%Gamut

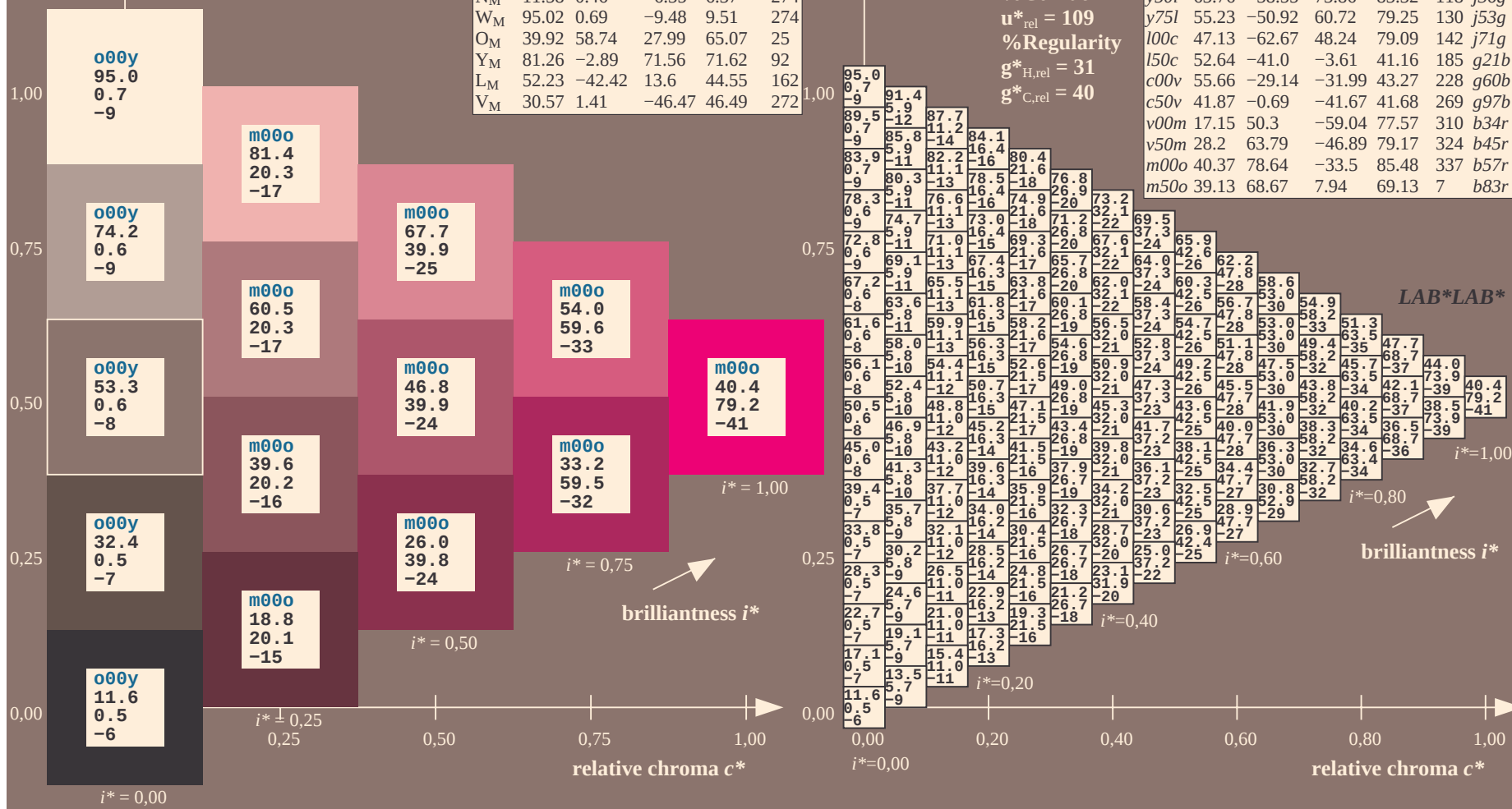
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

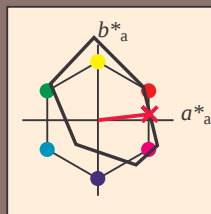
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 39\ 69\ 8$

$LAB^*LCH^*Ma: 39\ 69\ 6$

$lab^*olv^*Ma: 1.0\ 0.0\ 0.5$

$lab^*rgb^*Ma: 1.0\ 0.0\ 0.33$

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

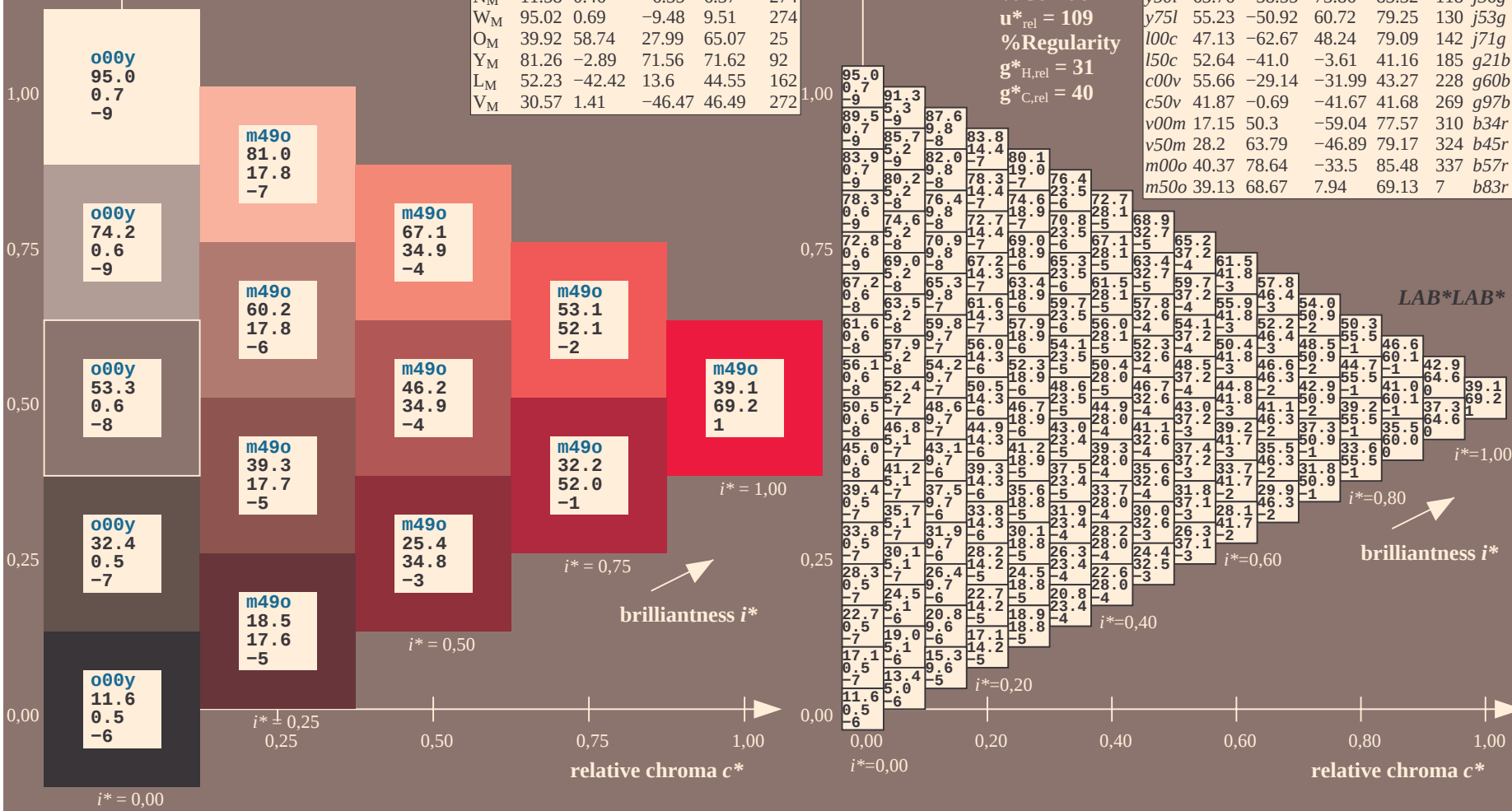
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe62/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe62/10L/L62e00FP.PDF/ .PS 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*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
01	11.6	16.0	20.5	24.9	29.4	33.8	38.2	42.7	47.1	51.6	56.0	60.4	64.8	69.2	73.6	78.0	82.4	86.8	91.2	95.6	100.0	104.4	108.8	113.2	117.6	122.0	126.4	130.8	135.2	139.6	144.0	148.4	152.8	157.2	161.6	166.0	170.4	174.8	179.2	183.6	188.0	192.4	196.8	201.2	205.6	210.0	214.4	218.8	223.2	227.6	232.0	236.4	240.8	245.2	249.6	254.0	258.4	262.8	267.2	271.6	276.0	280.4	284.8	289.2	293.6	298.0	302.4	306.8	311.2	315.6	320.0	324.4	328.8	333.2	337.6	342.0	346.4	350.8	355.2	359.6	364.0	368.4	372.8	377.2	381.6	386.0	390.4	394.8	399.2	403.6	408.0	412.4	416.8	421.2	425.6	430.0	434.4	438.8	443.2	447.6	452.0	456.4	460.8	465.2	469.6	474.0	478.4	482.8	487.2	491.6	496.0	500.4	504.8	509.2	513.6	518.0	522.4	526.8	531.2	535.6	540.0	544.4	548.8	553.2	557.6	562.0	566.4	570.8	575.2	579.6	584.0	588.4	592.8	597.2	601.6	606.0	610.4	614.8	619.2	623.6	628.0	632.4	636.8	641.2	645.6	650.0	654.4	658.8	663.2	667.6	672.0	676.4	680.8	685.2	689.6	694.0	698.4	702.8	707.2	711.6	716.0	720.4	724.8	729.2	733.6	738.0	742.4	746.8	751.2	755.6	760.0	764.4	768.8	773.2	777.6	782.0	786.4	790.8	795.2	799.6	804.0	808.4	812.8	817.2	821.6	826.0	830.4	834.8	839.2	843.6	848.0	852.4	856.8	861.2	865.6	870.0	874.4	878.8	883.2	887.6	892.0	896.4	900.8	905.2	909.6	914.0	918.4	922.8	927.2	931.6	936.0	940.4	944.8	949.2	953.6	958.0	962.4	966.8	971.2	975.6	980.0	984.4	988.8	993.2	997.6	1002.0	1006.4	1010.8	1015.2	1019.6	1024.0	1028.4	1032.8	1037.2	1041.6	1046.0	1050.4	1054.8	1059.2	1063.6	1068.0	1072.4	1076.8	1081.2	1085.6	1090.0	1094.4	1098.8	1103.2	1107.6	1112.0	1116.4	1120.8	1125.2	1129.6	1134.0	1138.4	1142.8	1147.2	1151.6	1156.0	1160.4	1164.8	1169.2	1173.6	1178.0	1182.4	1186.8	1191.2	1195.6	1200.0	1204.4	1208.8	1213.2	1217.6	1222.0	1226.4	1230.8	1235.2	1239.6	1244.0	1248.4	1252.8	1257.2	1261.6	1266.0	1270.4	1274.8	1279.2	1283.6	1288.0	1292.4	1296.8	1301.2	1305.6	1310.0	1314.4	1318.8	1323.2	1327.6	1332.0	1336.4	1340.8	1345.2	1349.6	1354.0	1358.4	1362.8	1367.2	1371.6	1376.0	1380.4	1384.8	1389.2	1393.6	1398.0	1402.4	1406.8	1411.2	1415.6	1420.0	1424.4	1428.8	1433.2	1437.6	1442.0	1446.4	1450.8	1455.2	1459.6	1464.0	1468.4	1472.8	1477.2	1481.6	1486.0	1490.4	1494.8	1499.2	1503.6	1508.0	1512.4	1516.8	1521.2	1525.6	1530.0	1534.4	1538.8	1543.2	1547.6	1552.0	1556.4	1560.8	1565.2	1569.6	1574.0	1578.4	1582.8	1587.2	1591.6	1596.0	1600.4	1604.8	1609.2	1613.6	1618.0	1622.4	1626.8	1631.2	1635.6	1640.0	1644.4	1648.8	1653.2	1657.6	1662.0	1666.4	1670.8	1675.2	1679.6	1684.0	1688.4	1692.8	1697.2	1701.6	1706.0	1710.4	1714.8	1719.2	1723.6	1728.0	1732.4	1736.8	1741.2	1745.6	1750.0	1754.4	1758.8	1763.2	1767.6	1772.0	1776.4	1780.8	1785.2	1789.6	1794.0	1798.4	1802.8	1807.2	1811.6	1816.0	1820.4	1824.8	1829.2	1833.6	1838.0	1842.4	1846.8	1851.2	1855.6	1860.0	1864.4	1868.8	1873.2	1877.6	1882.0	1886.4	1890.8	1895.2	1899.6	1904.0	1908.4	1912.8	1917.2	1921.6	1926.0	1930.4	1934.8	1939.2	1943.6	1948.0	1952.4	1956.8	1961.2	1965.6	1970.0	1974.4	1978.8	1983.2	1987.6	1992.0	1996.4	2000.8	2005.2	2009.6	2014.0	2018.4	2022.8	2027.2	2031.6	2036.0	2040.4	2044.8	2049.2	2053.6	2058.0	2062.4	2066.8	2071.2	2075.6	2080.0	2084.4	2088.8	2093.2	2097.6	2102.0	2106.4	2110.8	2115.2	2119.6	2124.0	2128.4	2132.8	2137.2	2141.6	2146.0	2150.4	2154.8	2159.2	2163.6	2168.0	2172.4	2176.8	2181.2	2185.6	2190.0	2194.4	2198.8	2203.2	2207.6	2212.0	2216.4	2220.8	2225.2	2229.6	2234.0	2238.4	2242.8	2247.2	2251.6	2256.0	2260.4	2264.8	2269.2	2273.6	2278.0	2282.4	2286.8	2291.2	2295.6	2300.0	2304.4	2308.8	2313.2	2317.6	2322.0	2326.4	2330.8	2335.2	2339.6	2344.0	2348.4	2352.8	2357.2	2361.6	2366.0	2370.4	2374.8	2379.2	2383.6	2388.0	2392.4	2396.8	2401.2	2405.6	2410.0	2414.4	2418.8	2423.2	2427.6	2432.0	2436.4	2440.8	2445.2	2449.6	2454.0	2458.4	2462.8	2467.2	2471.6	2476.0	2480.4	2484.8	2489.2	2493.6	2498.0	2502.4	2506.8	2511.2	2515.6	2520.0	2524.4	2528.8	2533.2	2537.6	2542.0	2546.4	2550.8	2555.2	2559.6	2564.0	2568.4	2572.8	2577.2	2581.6	2586.0	2590.4	2594.8	2599.2	2603.6	2608.0	2612.4	2616.8	2621.2	2625.6	2630.0	2634.4	2638.8	2643.2	2647.6	2652.0	2656.4	2660.8	2665.2	2669.6	2674.0	2678.4	2682.8	2687.2	2691.6	2696.0	2700.4	2704.8	2709.2	2713.6	2718.0	2722.4	2726.8	2731.2	2735.6	2740.0	2744.4	2748.8	2753.2	2757.6	2762.0	2766.4	2770.8	2775.2	2779.6	2784.0	2788.4	2792.8	2797.2	2801.6	2806.0	2810.4	2814.8	2819.2	2823.6	2828.0	2832.4	2836.8	2841.2	2845.6	2850.0	2854.4	2858.8	2863.2	2867.6	2872.0	2876.4	2880.8	2885.2	2889.6	2894.0	2898.4	2902.8	2907.2	2911.6	2916.0	2920.4	2924.8	2929.2	2933.6	2938.0	2942.4	2946.8	2951.2	2955.6	2960.0	2964.4	2968.8	2973.2	2977.6	2982.0	2986.4	2990.8	2995.2	2999.6	3004.0	3008.4	3012.8	3017.2	3021.6	3026.0	3030.4	3034.8	3039.2	3043.6	3048.0	3052.4	3056.8	3061.2	3065.6	3070.0	3074.4	3078.8	3083.2	3087.6	3092.0	3096.4	3100.8	3105.2	3109.6	3114.0	3118.4	3122.8	3127.2	3131.6	3136.0	3140.4	3144.8	3149.2	3153.6	3158.0	3162.4	3166.8	3171.2	3175.6	3180.0	3184.4	3188.8	3193.2	3197.6	3202.0	3206.4	3210.8	3215.2	3219.6	3224.0	3228.4	3232.8	3237.2	3241.6	3246.0	3250.4	3254.8	3259.2	3263.6	3268.0	3272.4	3276.8	3281.2	3285.6	3290.0	3294.4	3298.8	3303.2	3307.6	3312.0	3316.4	3320.8	3325.2	3329.6	3334.0	3338.4	3342.8	3347.2	3351.6	3356.0	3360.4	3364.8	3369.2	3373.6	3378.0	3382.4	3386.8	3391.2	3395.6	3400.0	3404.4	3408.8	3413.2	3417.6	3422.0	3426.4	3430.8	3435.2	3439.6	3444.0	3448.4	3452.8	3457.2	3461.6	3466.0	3470.4	3474.8	3479.2	3483.6	3488.0	3492.4	3496.8	3501.2	3505.6	3510.0	3514.4	3518.8	3523.2	3527.6	3532.0	3536.4	3540.8	3545.2	3549.6	3554.0	3558.4	3562.8	3567.2	3571.6	3576.0	3580.4	3584.8	3589.2	3593.6	3598.0	3602.4	3606.8	3611.2	3615.6	3620.0	3624.4	3628.8	3633.2	3637.6	3642.0	3646.4	3650.8	3655.2	3659.6	3664.0	3668.4	3672.8	3677.2	3681.6	3686.0	3690.4	3694.8	3699.2	3703.6	3708.0	3712.4	3716.8	3721.2	3725.6	3730.0	3734.4	3738.8	3743.2	3747.6	3752.0	3756.4	3760.8	3765.2	3769.6	3774.0	3778.4	3782.8	3787.2	3791.6	3796.0	3800.4	3804.8	3809.2	3813.6	3818.0	3822.4	3826.8	3831.2	3835.6	3840.0	3844.4	3848.8	3853.2	3857.6	3862.0	3866.4	3870.8	3875.2	3879.6	3884.0	3888.4	3892.8	3897.2	3901.6	3906.0	3910.4	3914.8	3919.2	3923.6	3928.0	3932.4	3936.8	3941.2	3945.6	3950.0	3954.4	3958.8	3963.2	3967.6	3972.0	3976.4	3980.8	3985.2	3989.6	3994.0	3998.4	4002.8	4007.2	4011.6	4016.0	4020.4	4024.8	4029.2	4033.6	4038.0	4042.4	4046.8	405100

Input and output:

Colorimetric Printer Reflective System FRS12_95a
data for any colour:

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

device hue text:

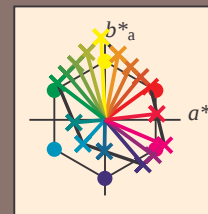
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

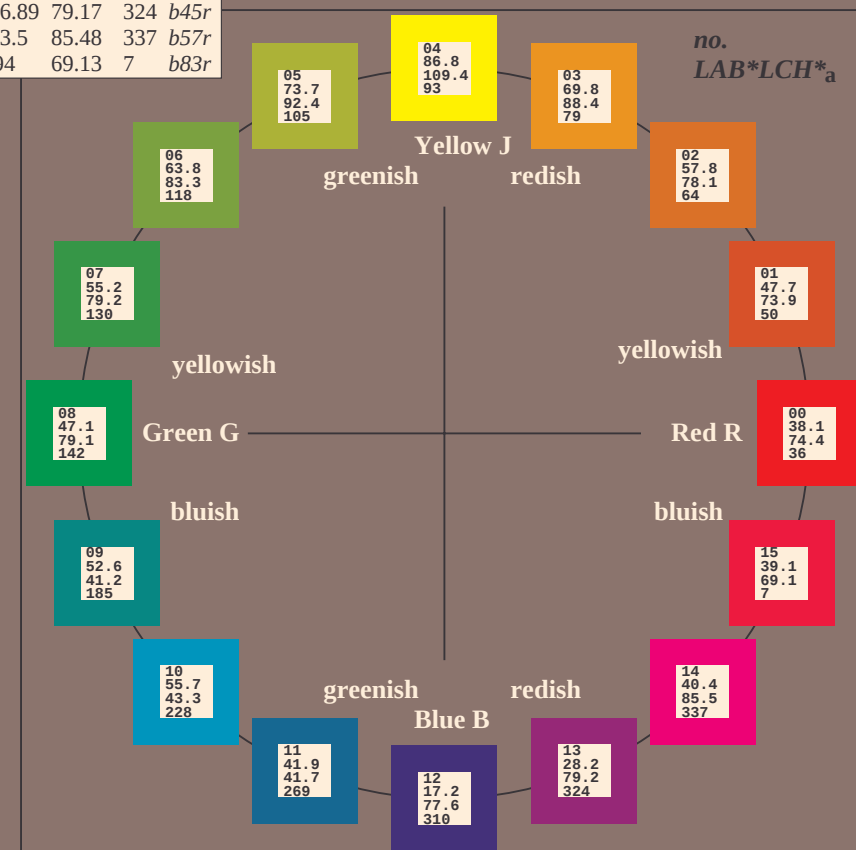
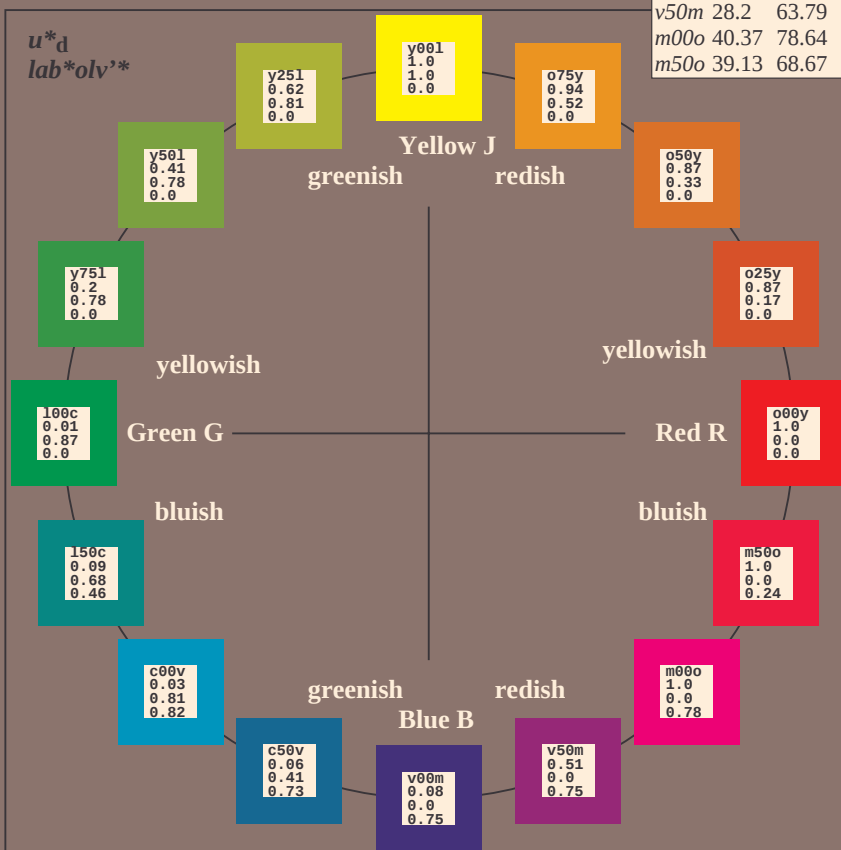
%Regularity

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

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

FRS12_95a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

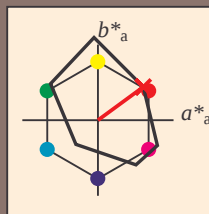
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	38.06	60.53	36.66	70.77	31	
Y_M	86.77	-4.5	100.15	100.25	93	
L_M	47.13	-62.11	40.56	74.18	147	
C_M	55.66	-28.56	-39.99	49.14	234	
V_M	17.15	50.78	-65.6	82.96	308	
M_M	40.37	79.18	-40.93	89.13	333	
N_M	11.58	0.46	-6.35	6.37	274	
W_M	95.02	0.69	-9.48	9.51	274	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 60 44

LAB^*LCH^*Ma : 38 74 36

lab^*olv^*Ma : 1.0 0.0 0.0

lab^*rgb^*Ma : 1.0 0.16 0.0

triangle lightness t^*

%Gamut

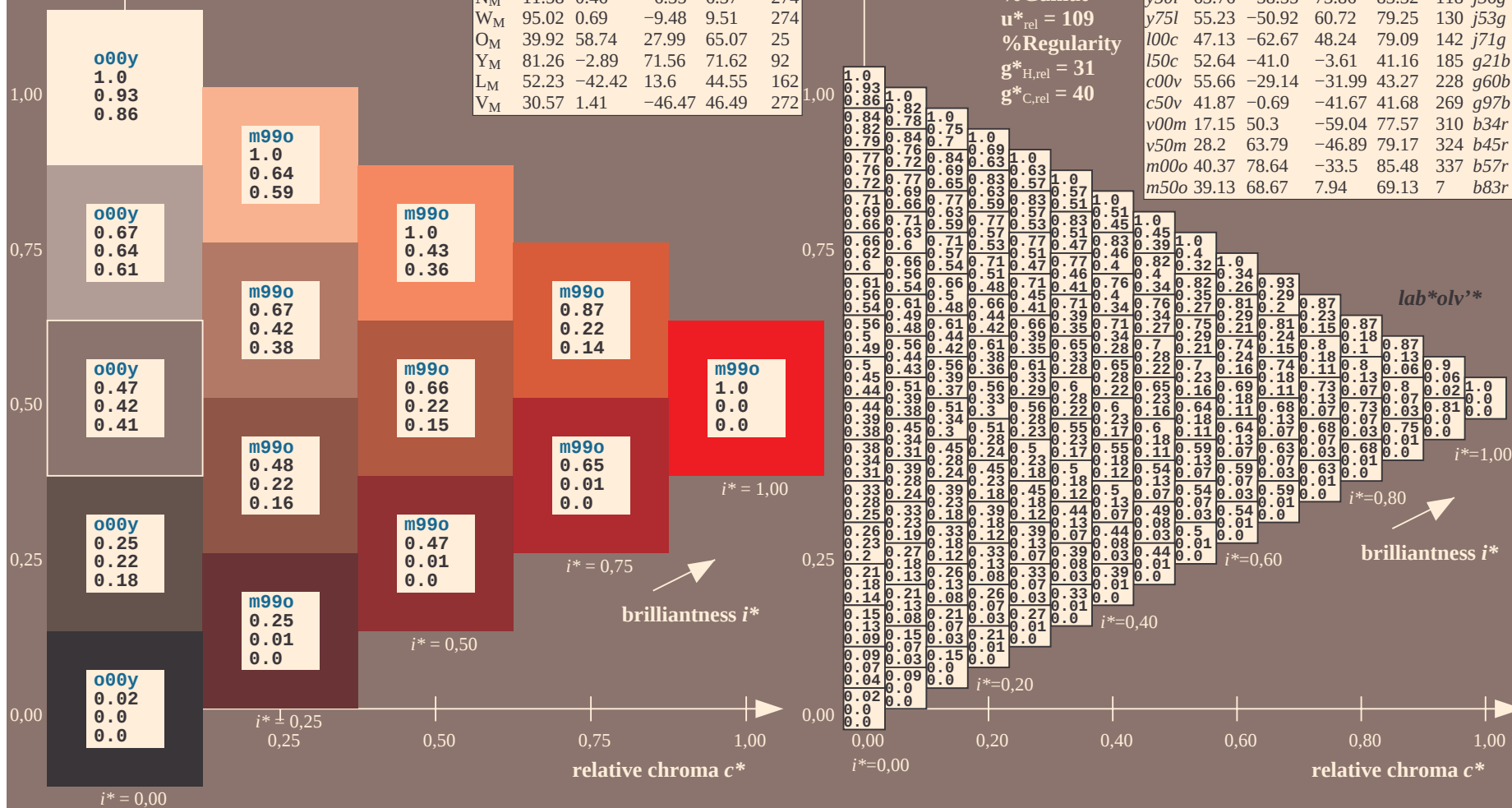
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$	
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$	
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$	
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$	
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$	
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$	
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$	
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$	
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$	
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$	
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$	
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$	
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$	
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$	
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$	
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

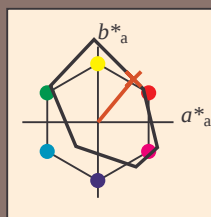
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 48 47 57

LAB^*LCH^*Ma : 48 74 50

lab^*olv^*Ma : 1.0 0.25 0.0

lab^*rgb^*Ma : 1.0 0.37 0.0

triangle lightness t^*

% Gamut

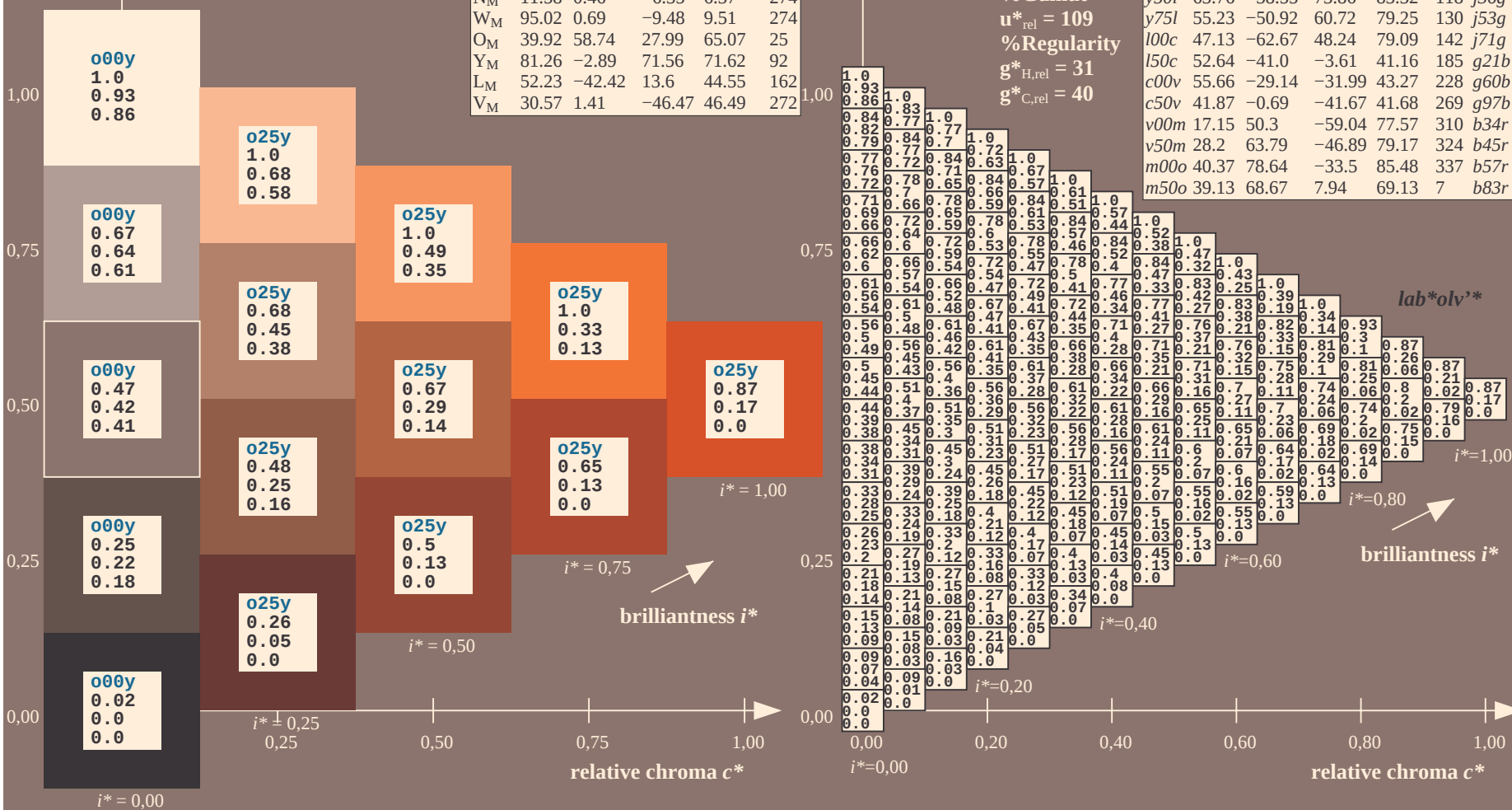
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

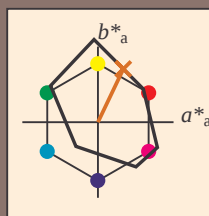
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

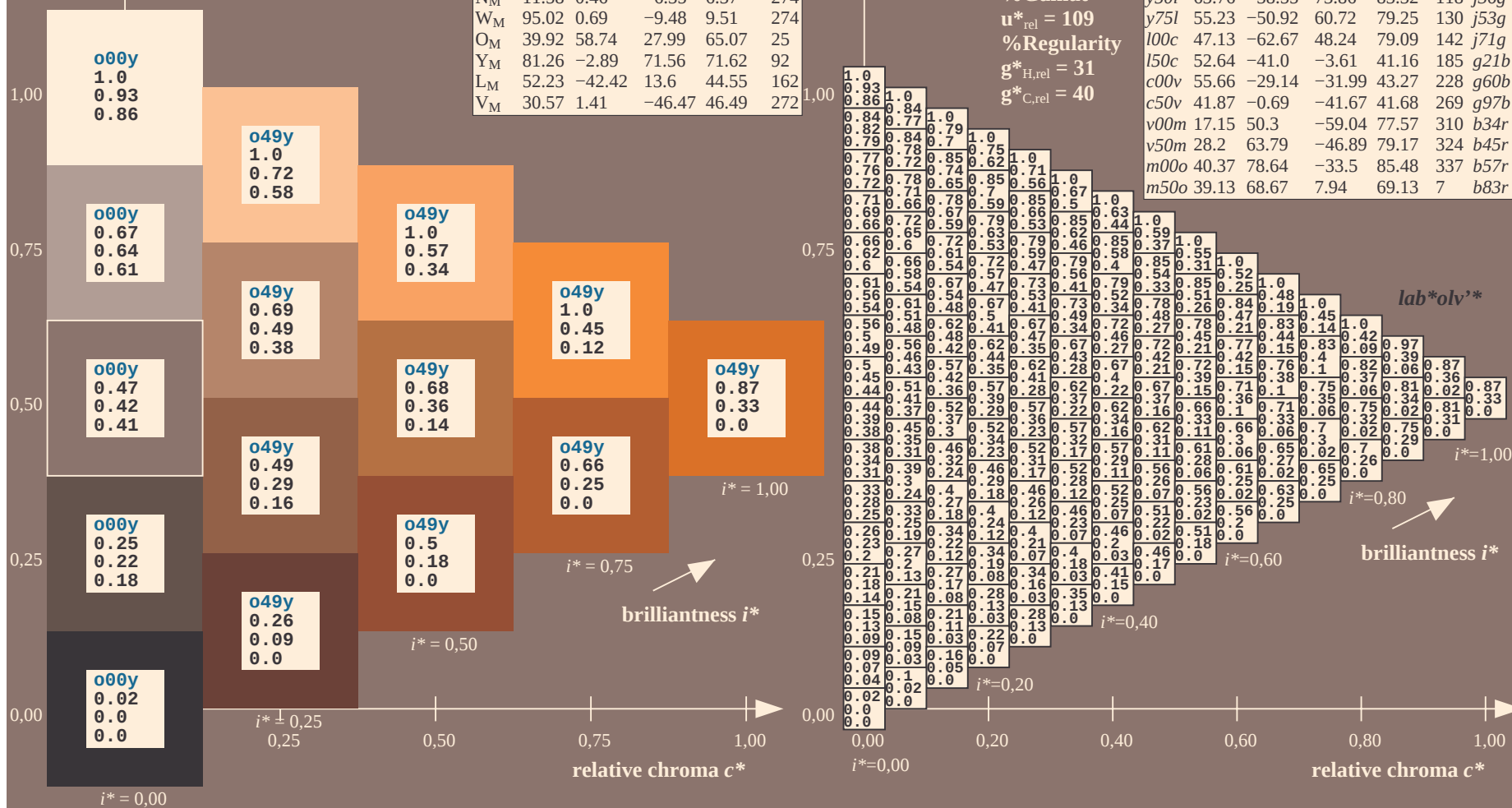
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

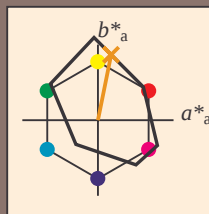
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 70\ 17\ 87$

$LAB^*LCH^*Ma: 70\ 88\ 78$

$lab^*olv^*Ma: 1.0\ 0.75\ 0.0$

$lab^*rgb^*Ma: 1.0\ 0.79\ 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

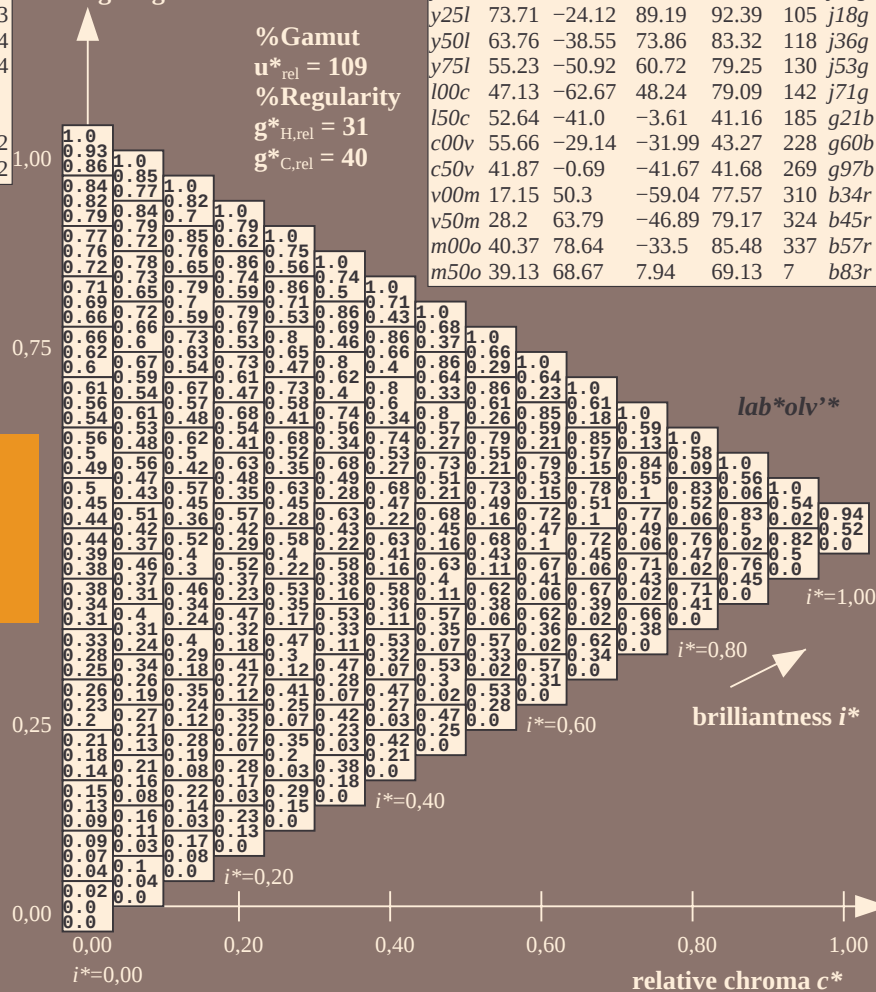
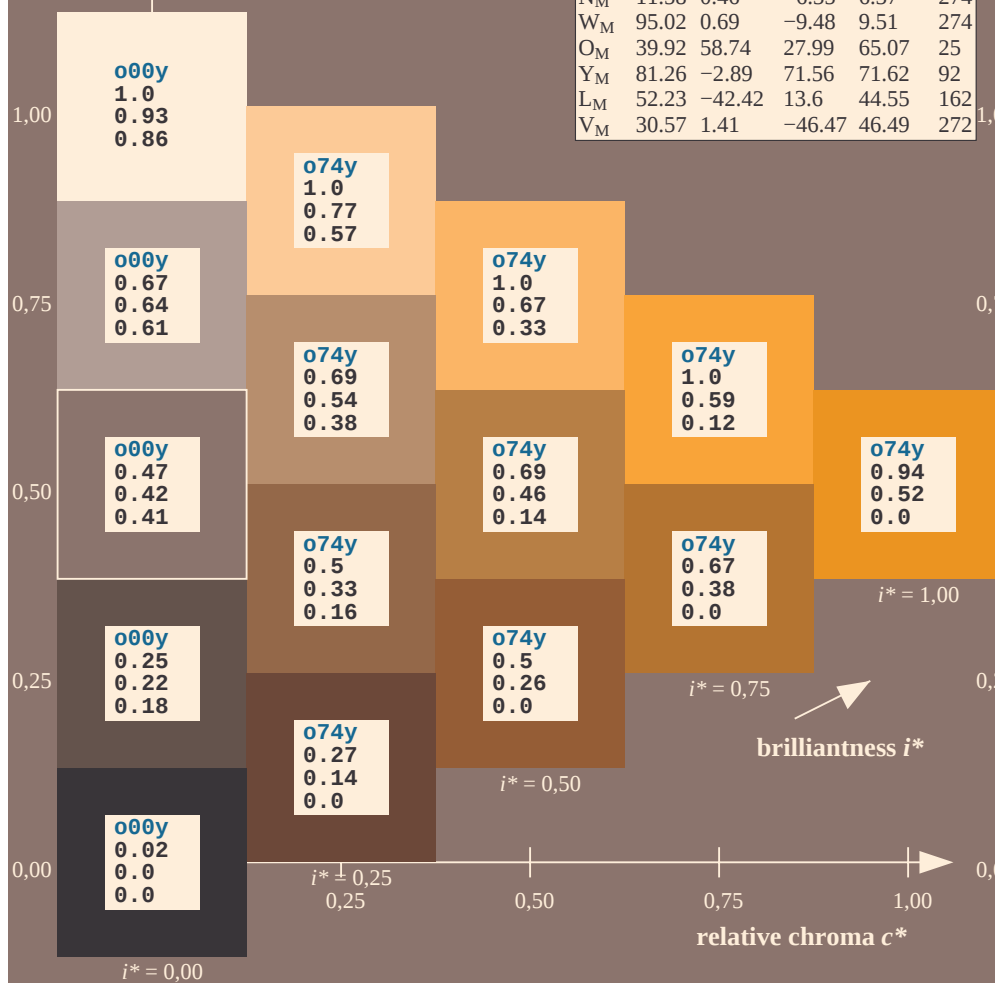
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

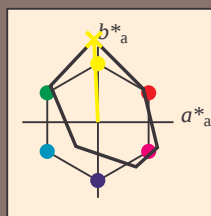
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -5 109

$LAB^*LCH^*_{Ma}$: 87 109 92

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

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

triangle lightness t^*

%Gamut

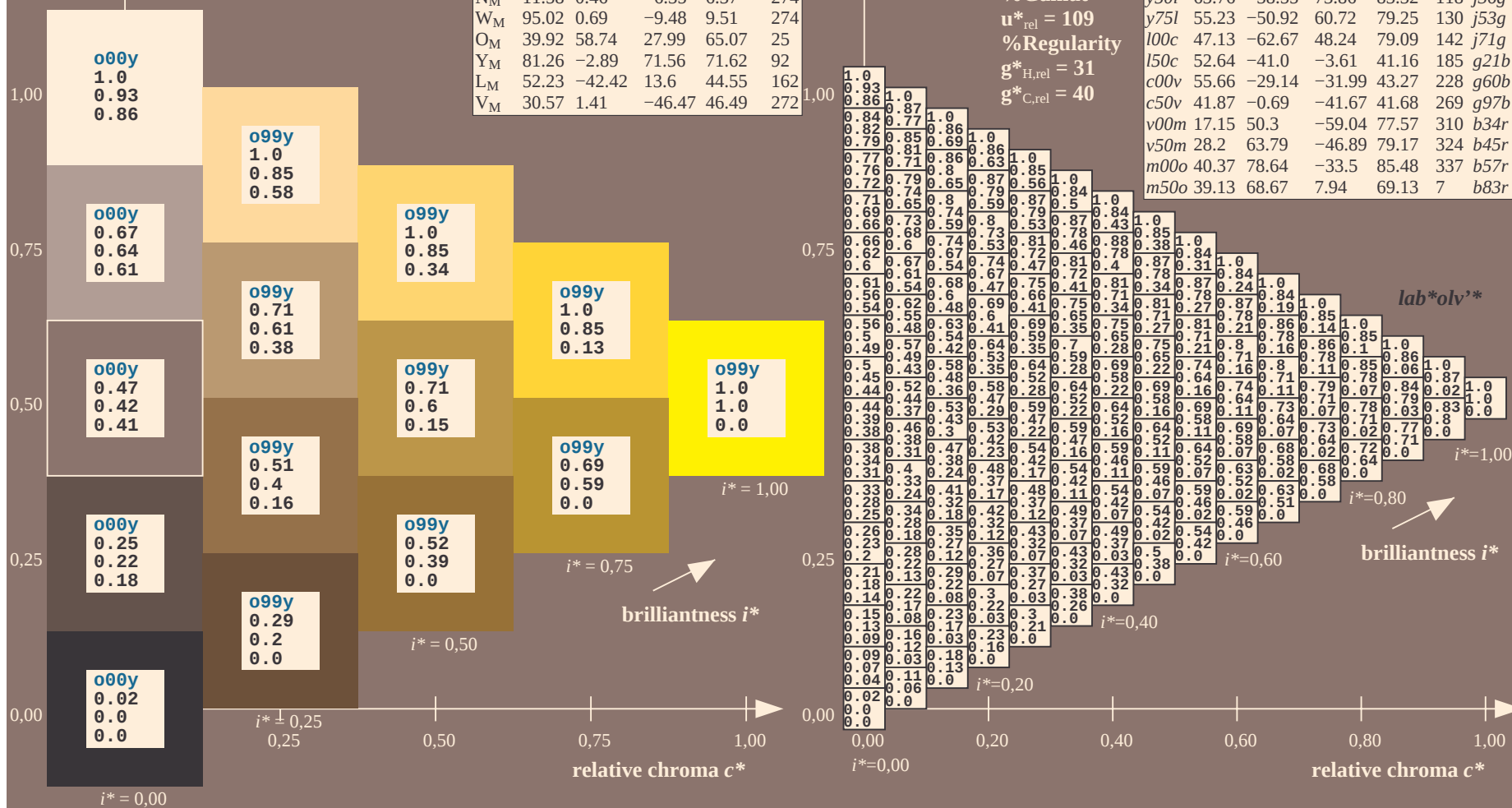
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

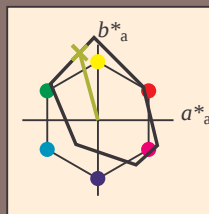
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 74 -24 89

$LAB^*LCH^*_{Ma}$: 74 92 105

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

$lab^*rgb^*_{Ma}$: 0.82 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

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^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$

data for any colour:

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

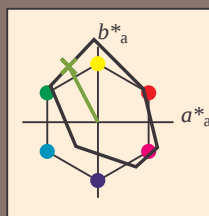
Hue texts:

$u^*_d = y50l$ $u^*_e = j36g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
	u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31	
Y_M	86.77	-4.5	100.15	100.25	93	
L_M	47.13	-62.11	40.56	74.18	147	
C_M	55.66	-28.56	-39.99	49.14	234	
V_M	17.15	50.78	-65.6	82.96	308	
M_M	40.37	79.18	-40.93	89.13	333	
N_M	11.58	0.46	-6.35	6.37	274	
W_M	95.02	0.69	-9.48	9.51	274	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 64 -39 74

LAB^*LCH^*Ma : 64 83 117

lab^*olv^*Ma : 0.5 1.0 0.0

lab^*rgb^*Ma : 0.64 1.0 0.0

triangle lightness t^*

%Gamut

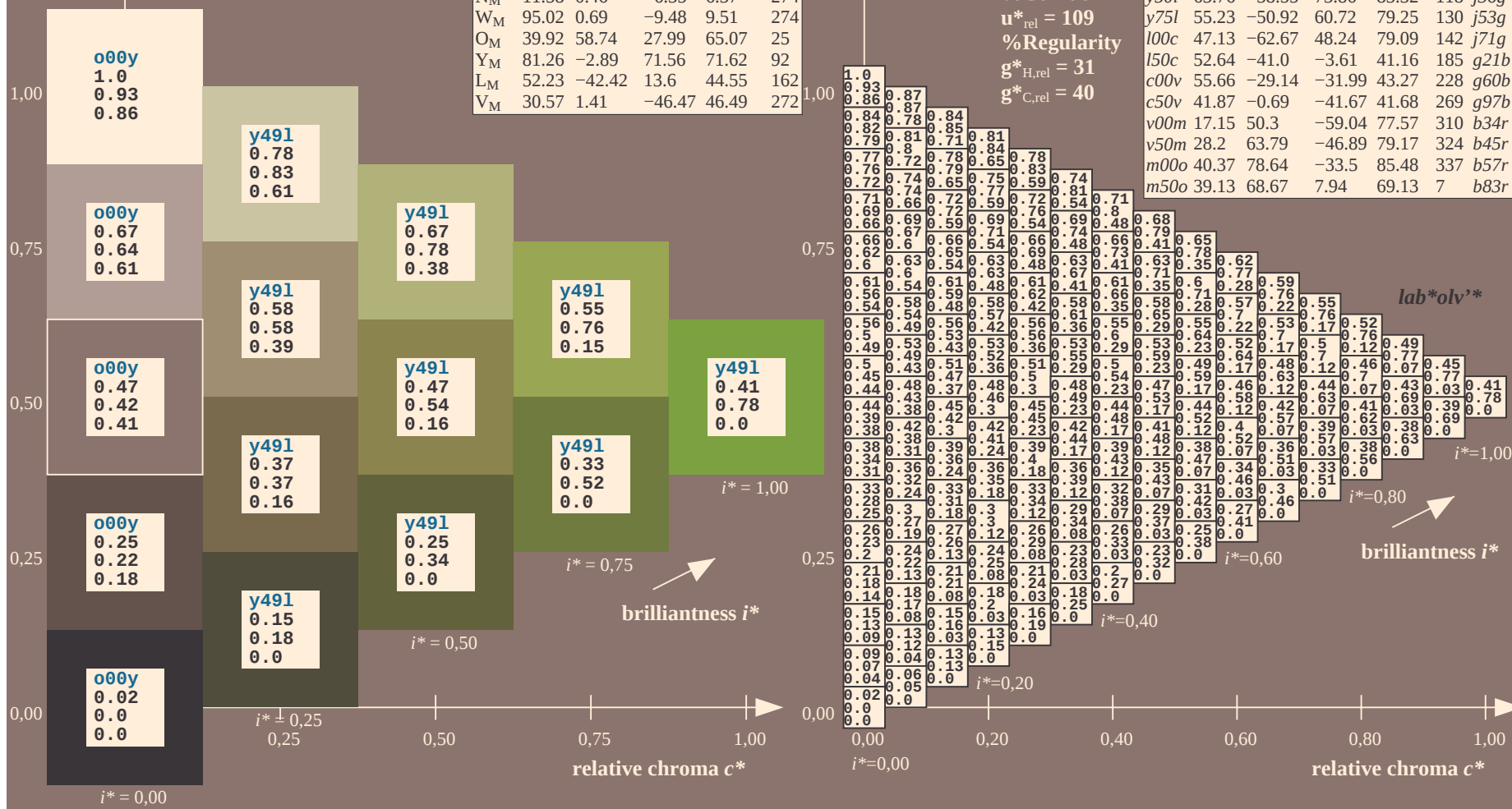
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36		$r16j$
$o25y$	47.68	47.13	56.9	73.88	50		$r37j$
$o50y$	57.77	33.62	70.44	78.05	64		$r58j$
$o75y$	69.84	17.48	86.62	88.37	79		$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93		$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105		$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118		$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130		$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142		$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185		$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228		$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269		$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310		$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324		$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337		$b57r$
$m50o$	39.13	68.67	7.94	69.13	7		$b83r$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

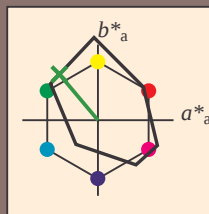
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -51 61

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 79 129

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.25 1.0 0.0

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.46 1.0 0.0

triangle lightness t^*

%Gamut

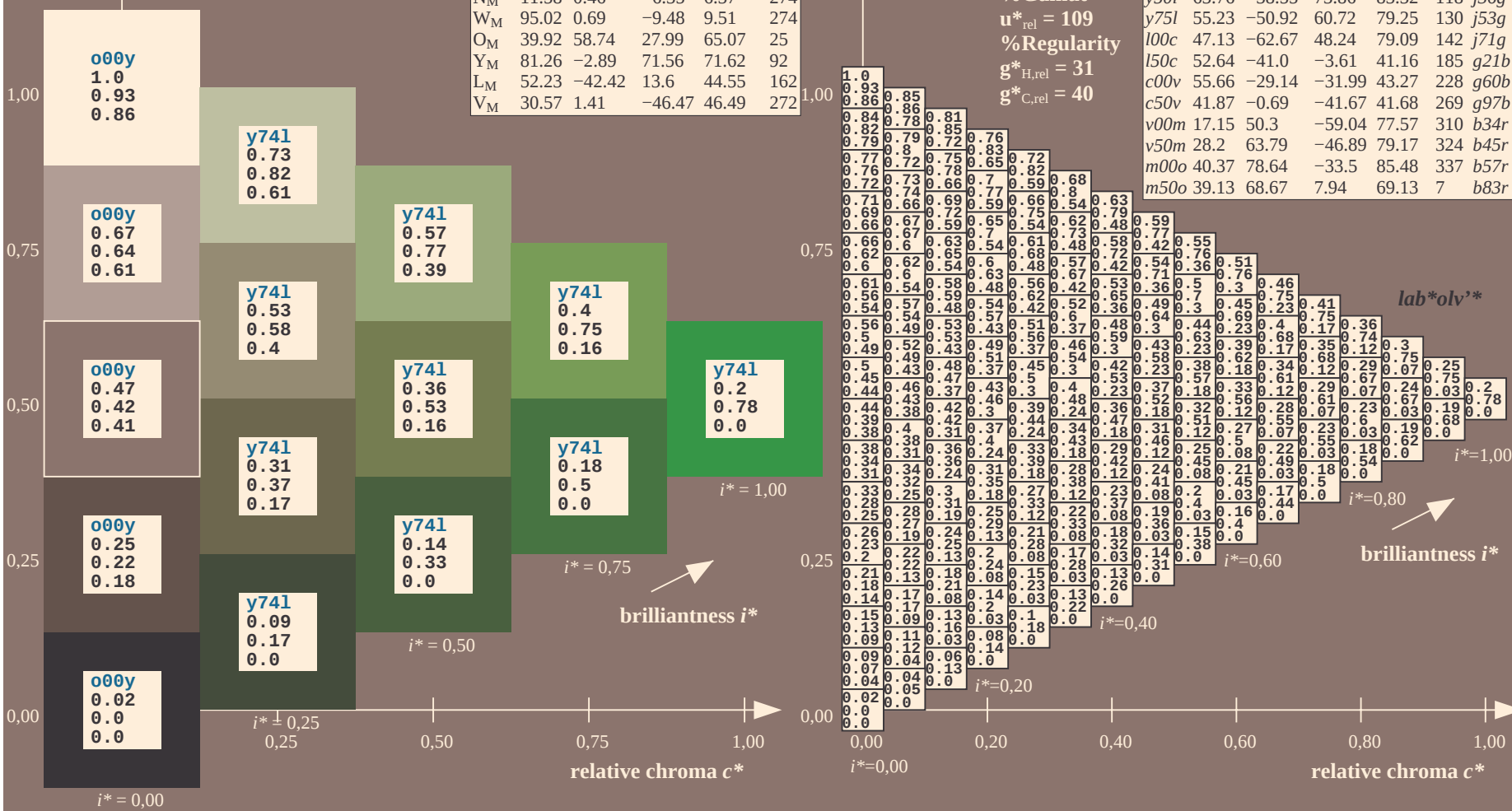
$u^*_{\text{rel}} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$

data for any colour:

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

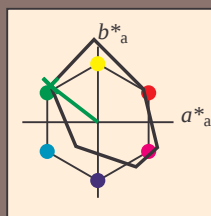
Hue texts:

$u^*_d = 100c$ $u^*_e = j71g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 47 -63 48

LAB^*LCH^*Ma : 47 79 142

lab^*olv^*Ma : 0.0 1.0 0.0

lab^*rgb^*Ma : 0.28 1.0 0.0

triangle lightness t^*

%Gamut

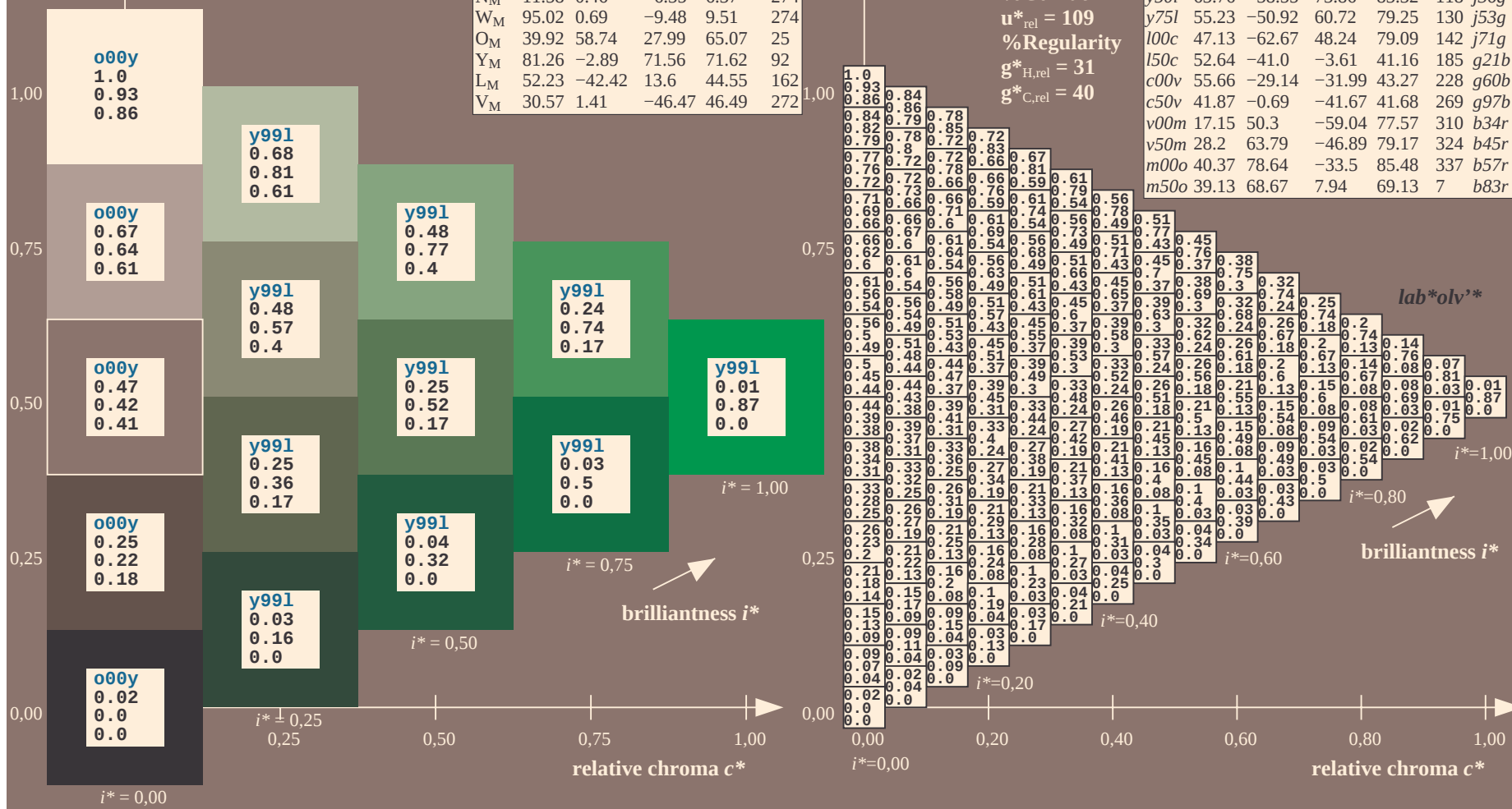
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



triangle lightness t^*


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

brilliantness i^*

BAM material: code=rha4ta

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

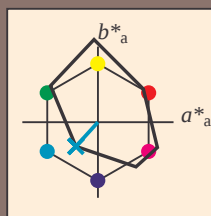
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -29 -32

$LAB^*LCH^*_{Ma}$: 56 43 227

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

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

triangle lightness t^*

%Gamut

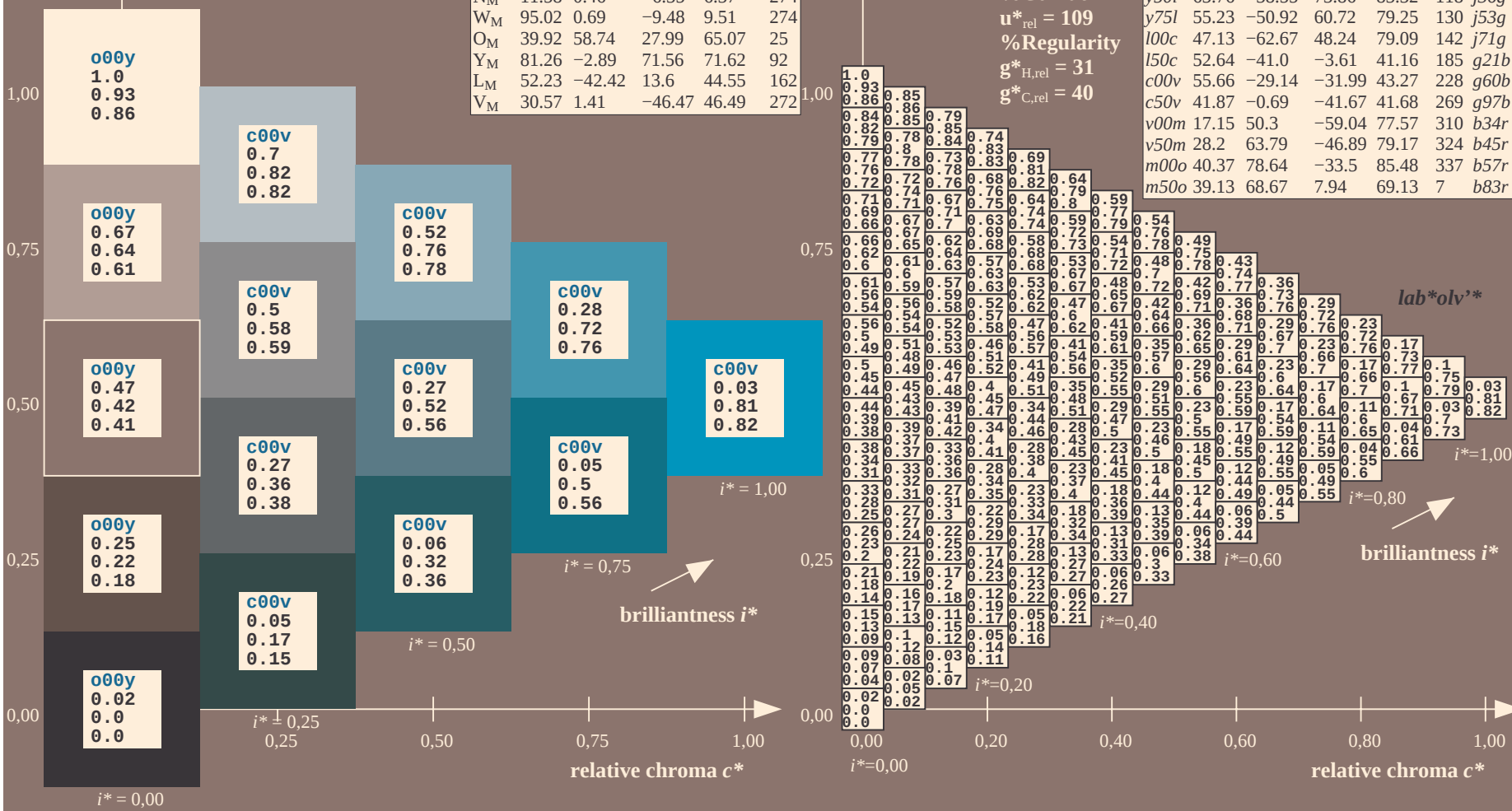
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

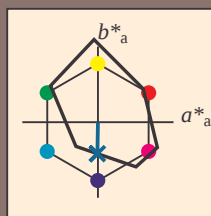
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 42 -1 -42$

$LAB^*LCH^*Ma: 42 42 269$

$lab^*olv^*Ma: 0.0 0.5 1.0$

$lab^*rgb^*Ma: 0.0 0.05 1.0$

triangle lightness t^*

%Gamut

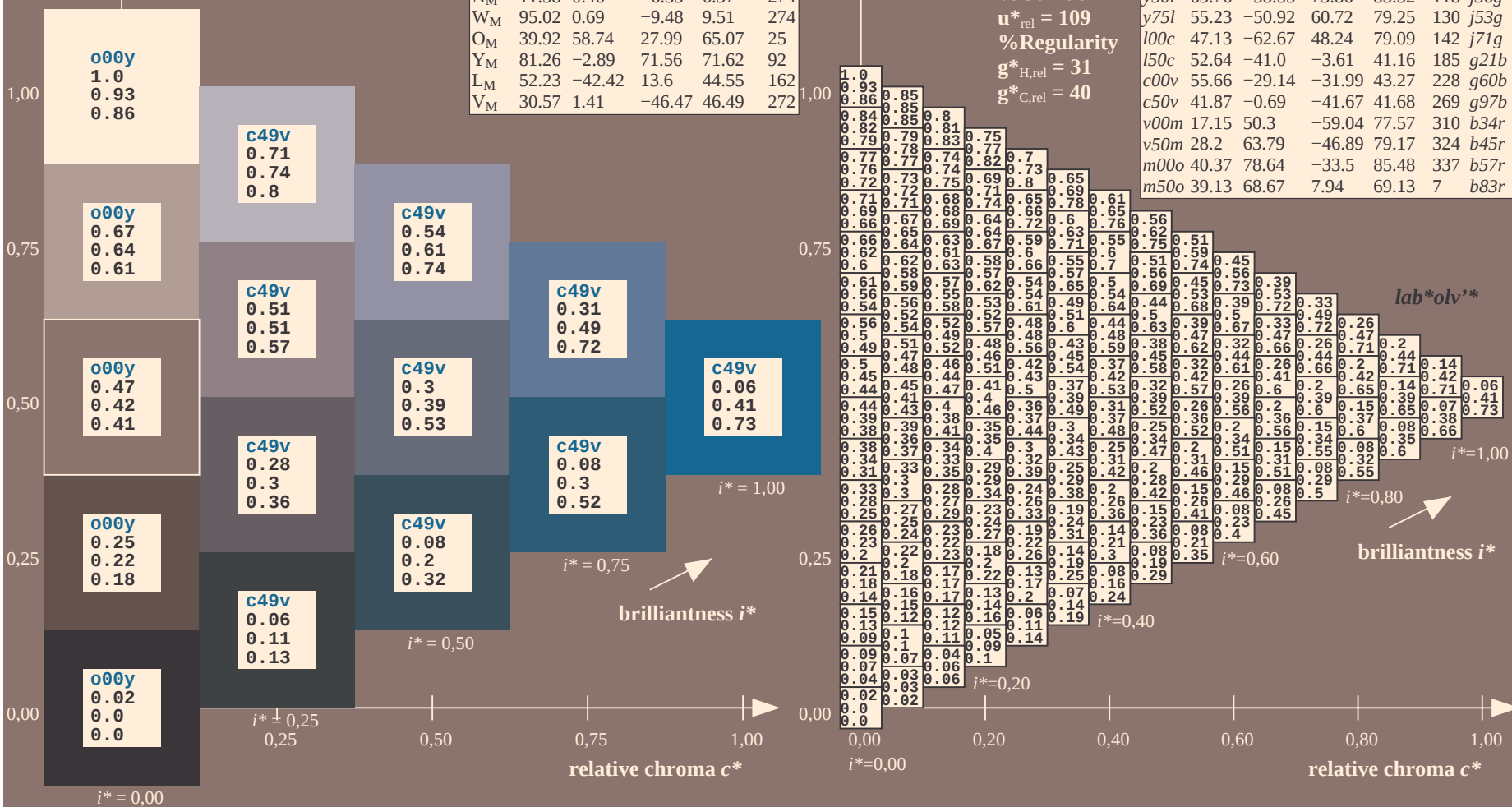
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

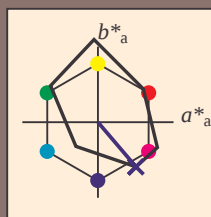
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 17 50 -59

LAB^*LCH^*Ma : 17 78 310

lab^*olv^*Ma : 0.0 0.0 1.0

lab^*rgb^*Ma : 0.68 0.0 1.0

triangle lightness t^*

% Gamut

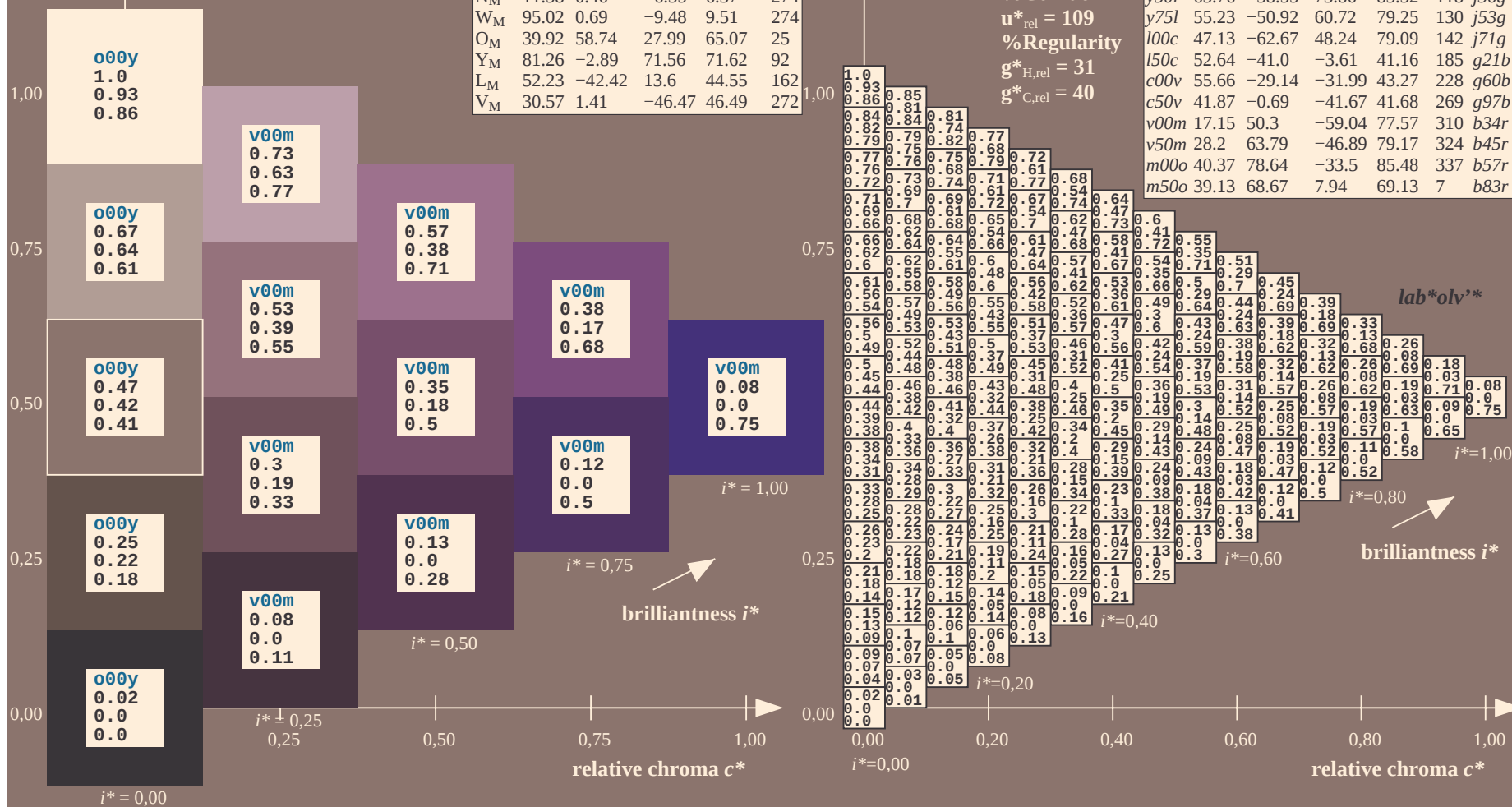
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

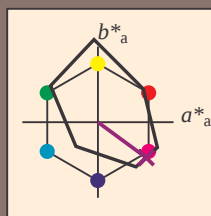
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

% Gamut

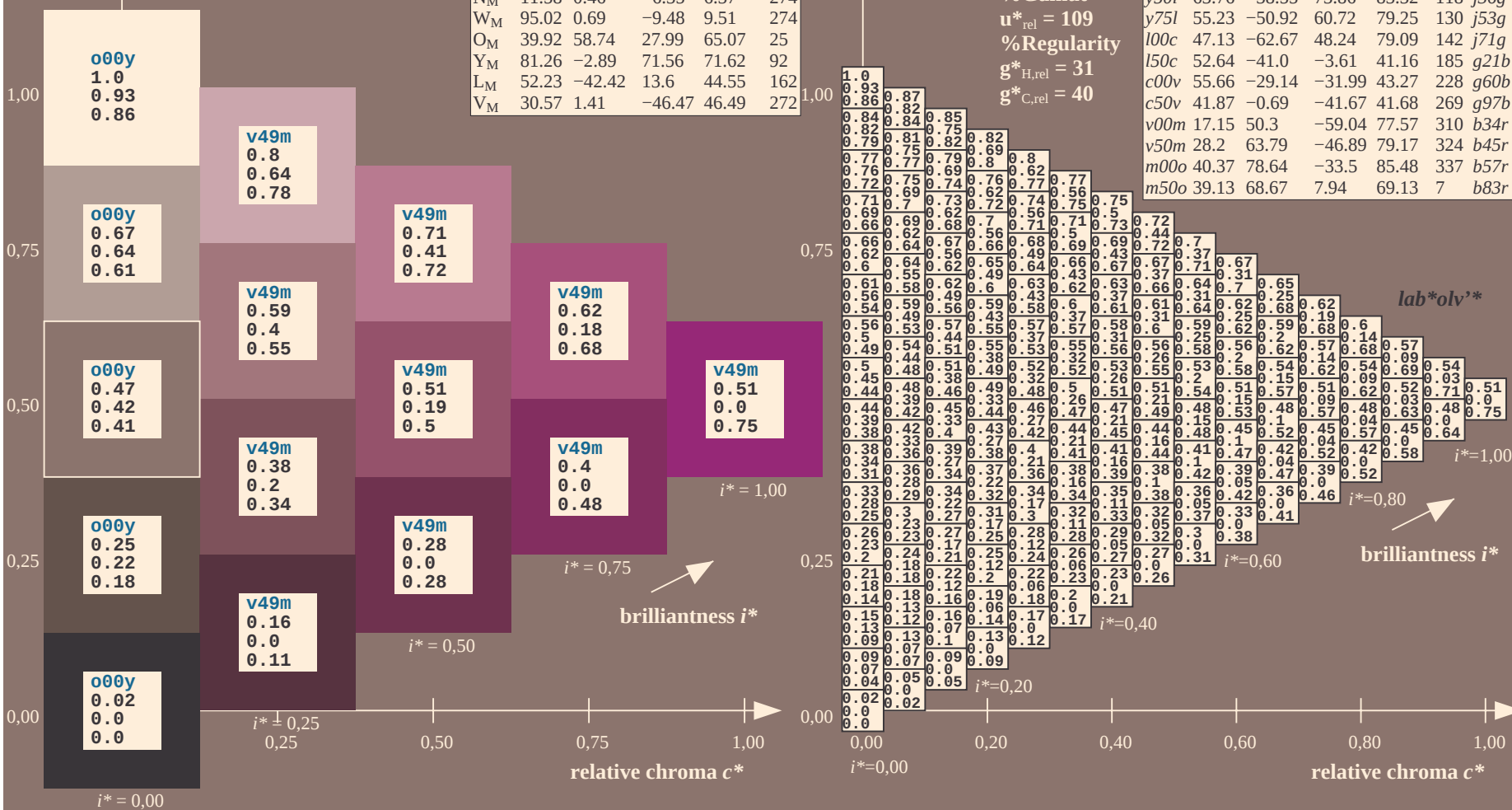
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

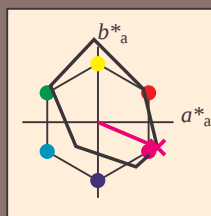
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 40 79 -34

LAB^*LCH^*Ma : 40 85 336

lab^*olv^*Ma : 1.0 0.0 1.0

lab^*rgb^*Ma : 1.0 0.0 0.85

triangle lightness t^*

%Gamut

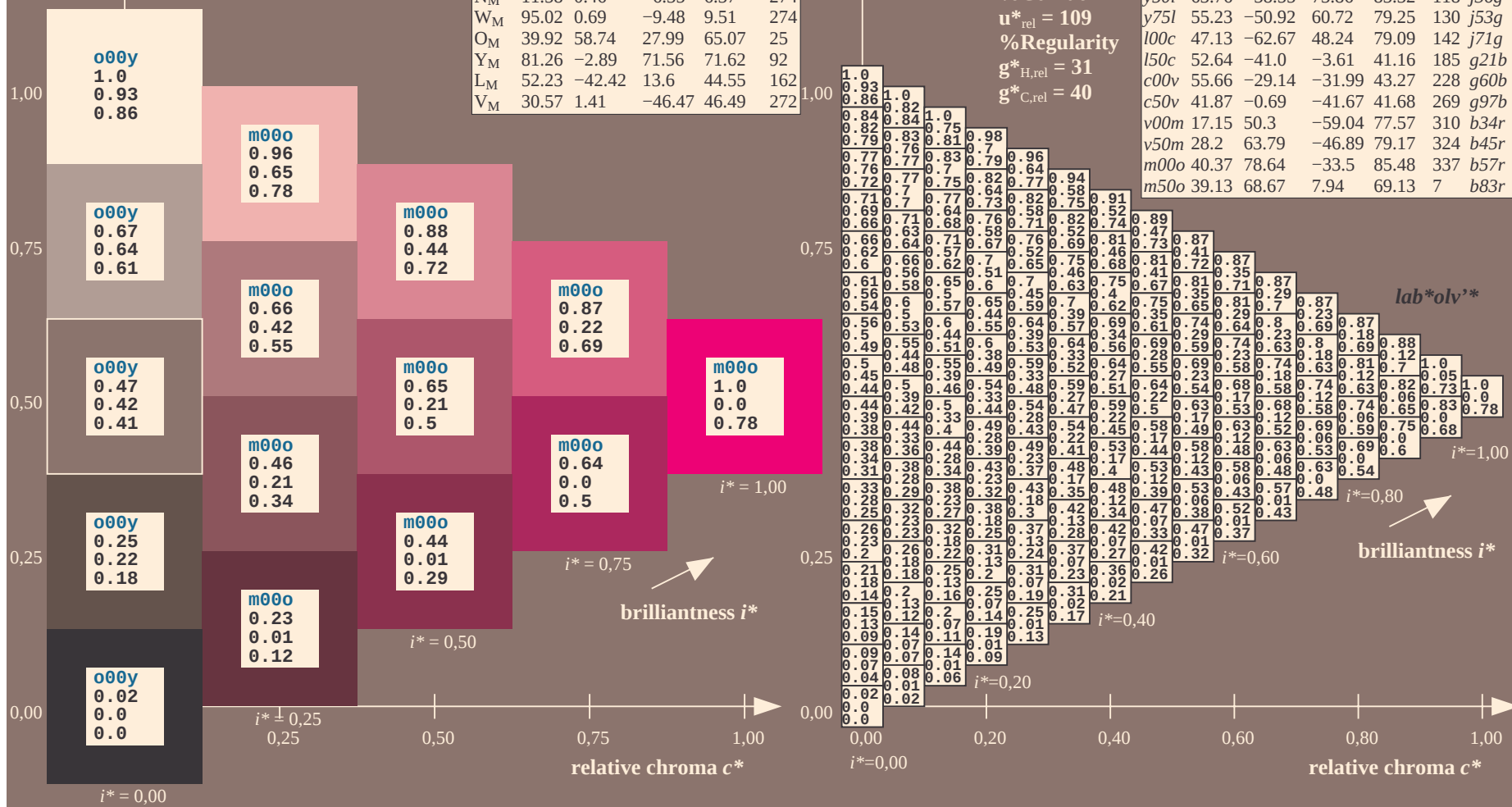
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.018$

data for any colour:

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

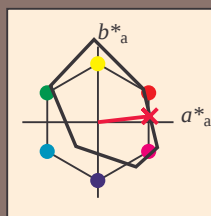
Hue texts:

$u^*_d = m50o$ $u^*_e = b83r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 39 69 8

LAB^*LCH^*Ma : 39 69 6

lab^*olv^*Ma : 1.0 0.0 0.5

lab^*rgb^*Ma : 1.0 0.0 0.33

triangle lightness t^*

%Gamut

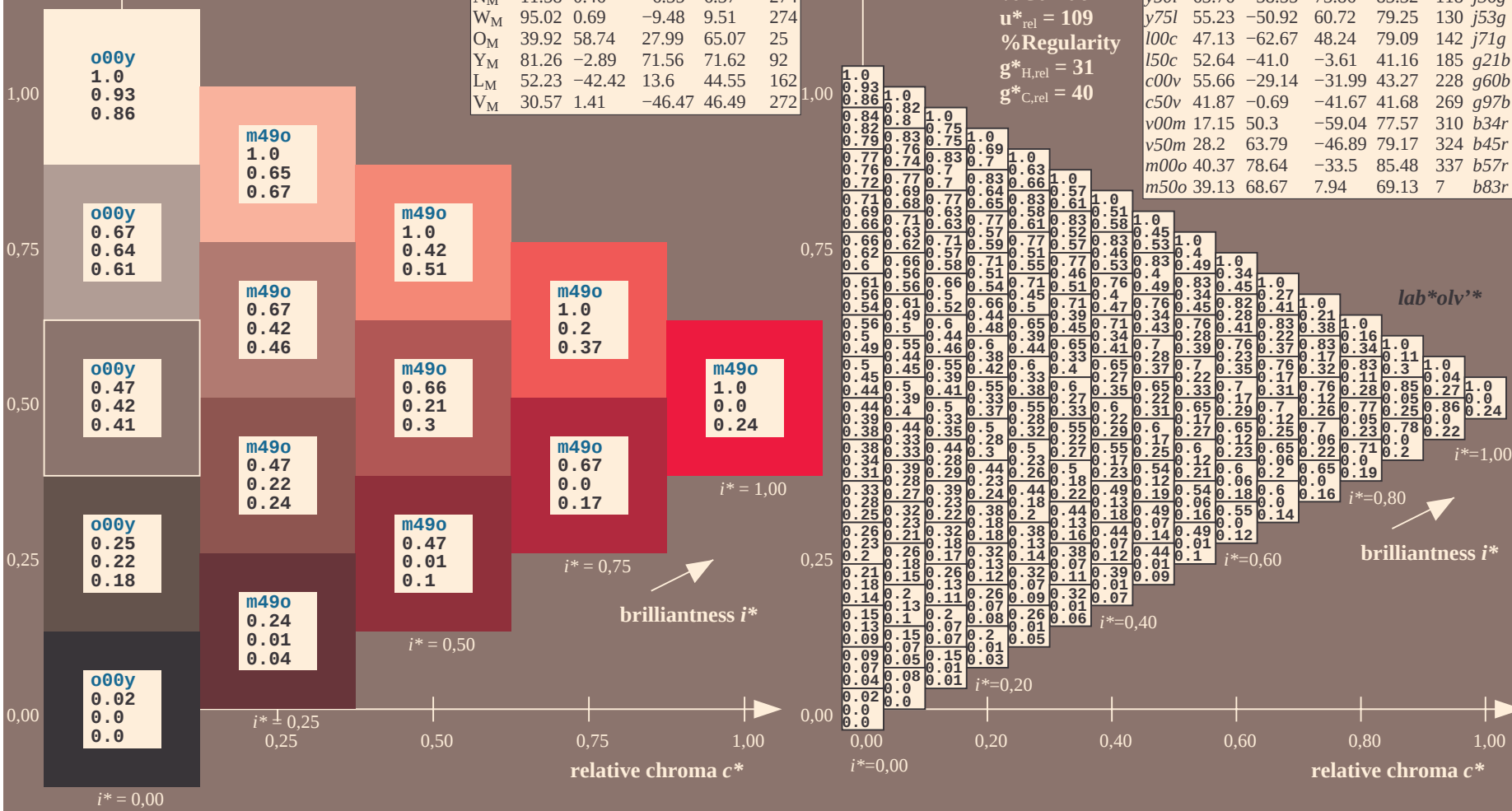
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data								
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e		
o00y	38.06	60.0	44.0	74.4	36	r16j		
o25y	47.68	47.13	56.9	73.88	50	r37j		
o50y	57.77	33.62	70.44	78.05	64	r58j		
o75y	69.84	17.48	86.62	88.37	79	r79j		
y00l	86.77	-5.17	109.32	109.44	93	j01g		
y25l	73.71	-24.12	89.19	92.39	105	j18g		
y50l	63.76	-38.55	73.86	83.32	118	j36g		
y75l	55.23	-50.92	60.72	79.25	130	j53g		
l00c	47.13	-62.67	48.24	79.09	142	j71g		
l50c	52.64	-41.0	-3.61	41.16	185	g21b		
c00v	55.66	-29.14	-31.99	43.27	228	g60b		
c50v	41.87	-0.69	-41.67	41.68	269	g97b		
v00m	17.15	50.3	-59.04	77.57	310	b34r		
v50m	28.2	63.79	-46.89	79.17	324	b45r		
m00o	40.37	78.64	-33.5	85.48	337	b57r		
m50o	39.13	68.67	7.94	69.13	7	b83r		



See for similar files: <http://www.ps.bam.de/Fe62/>; www.ps.bam.de/Fe.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

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*oly**		
01	0.02	0.03	0.03	0.04	0.04	0.03	0.03	0.02	0.01	0.15	0.17	0.15	0.15	0.14	0.14	0.13	0.13	0.13	0.25	0.26	0.29	0.25	0.25	0.23	0.22	0.21	1.0	1.0	1.0	1.0	1.0	0.98	0.87	0.87	1.0	0.02	0.02	0.02	0.02	
	0.0	0.08	0.16	0.25	0.32	0.4	0.5	0.62	0.87	0.0	0.13	0.18	0.25	0.33	0.41	0.5	0.63	0.8	0.01	0.09	0.2	0.26	0.34	0.42	0.5	0.62	0.78	0.93	0.76	0.64	0.53	0.43	0.32	0.22	0.12	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.86	0.71	0.59	0.47	0.36	0.24	0.14	0.06	0.0	0.0	0.0	0.0		
02	0.04	0.03	0.05	0.06	0.07	0.08	0.08	0.08	0.07	0.13	0.14	0.15	0.15	0.15	0.15	0.15	0.14	0.13	0.24	0.25	0.27	0.25	0.24	0.24	0.24	0.23	0.22	0.8	0.78	0.68	0.78	0.77	0.76	0.75	0.74	0.75	0.14	0.14	0.14	0.14
	0.0	0.09	0.17	0.23	0.31	0.38	0.47	0.56	0.7	0.01	0.13	0.19	0.26	0.34	0.42	0.5	0.61	0.76	0.01	0.12	0.21	0.27	0.35	0.43	0.51	0.61	0.75	0.85	0.76	0.65	0.53	0.43	0.32	0.22	0.13	0.0	0.13	0.13	0.13	
	0.04	0.06	0.08	0.1	0.11	0.12	0.13	0.14	0.14	0.05	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.84	0.73	0.61	0.5	0.38	0.25	0.15	0.06	0.0	0.08	0.08	0.08	
03	0.08	0.06	0.05	0.07	0.07	0.08	0.09	0.09	0.1	0.16	0.17	0.16	0.17	0.17	0.18	0.18	0.18	0.18	0.23	0.24	0.25	0.25	0.25	0.25	0.25	0.24	0.24	0.7	0.69	0.67	0.67	0.67	0.66	0.65	0.65	0.25	0.25	0.25	0.25	
	0.0	0.11	0.17	0.24	0.31	0.39	0.47	0.56	0.67	0.0	0.11	0.19	0.26	0.33	0.41	0.49	0.58	0.69	0.01	0.12	0.22	0.29	0.36	0.44	0.52	0.61	0.74	0.82	0.73	0.64	0.52	0.42	0.31	0.22	0.12	0.01	0.22	0.22	0.22	
	0.11	0.13	0.15	0.17	0.2	0.22	0.24	0.25	0.27	0.11	0.14	0.16	0.19	0.21	0.22	0.23	0.24	0.24	0.12	0.15	0.18	0.18	0.17	0.17	0.17	0.17	0.17	0.82	0.71	0.61	0.5	0.38	0.26	0.15	0.06	0.0	0.18	0.18	0.18	
04	0.1	0.08	0.07	0.06	0.07	0.08	0.09	0.09	0.1	0.18	0.2	0.18	0.17	0.17	0.18	0.18	0.19	0.19	0.26	0.27	0.28	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.61	0.6	0.59	0.57	0.58	0.57	0.56	0.56	0.36	0.36	0.36	0.36
	0.0	0.12	0.18	0.24	0.32	0.39	0.47	0.56	0.67	0.0	0.1	0.21	0.26	0.34	0.41	0.49	0.57	0.68	0.0	0.11	0.21	0.29	0.36	0.43	0.51	0.6	0.7	0.78	0.69	0.6	0.52	0.41	0.31	0.22	0.13	0.01	0.32	0.32	0.32	
	0.19	0.21	0.23	0.24	0.27	0.3	0.33	0.35	0.38	0.19	0.22	0.24	0.26	0.28	0.31	0.34	0.36	0.37	0.2	0.22	0.25	0.27	0.3	0.32	0.33	0.34	0.35	0.39	0.39	0.6	0.51	0.4	0.27	0.15	0.07	0.0	0.29	0.29	0.29	
05	0.13	0.09	0.08	0.07	0.06	0.07	0.08	0.09	0.09	0.2	0.22	0.19	0.18	0.17	0.18	0.18	0.19	0.19	0.28	0.29	0.3	0.28	0.27	0.27	0.28	0.28	0.29	0.52	0.51	0.5	0.49	0.47	0.48	0.48	0.47	0.47	0.47	0.47		
	0.0	0.13	0.19	0.27	0.35	0.42	0.5	0.59	0.7	0.01	0.13	0.19	0.26	0.34	0.41	0.49	0.57	0.68	0.01	0.12	0.22	0.29	0.36	0.44	0.52	0.61	0.74	0.82	0.73	0.64	0.52	0.42	0.31	0.22	0.12	0.01	0.22	0.22		
	0.28	0.32	0.34	0.36	0.38	0.41	0.43	0.46	0.48	0.28	0.31	0.33	0.35	0.37	0.39	0.41	0.44	0.46	0.28	0.31	0.33	0.36	0.38	0.4	0.42	0.44	0.46	0.88	0.68	0.59	0.49	0.41	0.26	0.16	0.07	0.0	0.41	0.41	0.41	
06	0.12	0.1	0.09	0.08	0.07	0.06	0.07	0.08	0.09	0.21	0.23	0.21	0.19	0.18	0.17	0.18	0.18	0.19	0.3	0.31	0.33	0.3	0.28	0.27	0.28	0.29	0.29	0.4	0.39	0.39	0.38	0.37	0.36	0.37	0.36	0.38	0.57	0.57	0.57	0.57
	0.0	0.13	0.21	0.28	0.34	0.41	0.49	0.58	0.69	0.0	0.08	0.22	0.29	0.35	0.42	0.49	0.58	0.69	0.0	0.09	0.19	0.31	0.37	0.44	0.51	0.6	0.7	0.74	0.64	0.55	0.46	0.39	0.32	0.22	0.13	0.01	0.52	0.52	0.52	
	0.38	0.4	0.41	0.43	0.44	0.46	0.48	0.51	0.53	0.38	0.4	0.42	0.43	0.45	0.46	0.48	0.51	0.53	0.38	0.39	0.42	0.44	0.45	0.47	0.49	0.51	0.54	0.77	0.66	0.57	0.48	0.39	0.29	0.17	0.07	0.0	0.51	0.51	0.51	
07	0.12	0.1	0.09	0.08	0.07	0.06	0.05	0.06	0.07	0.22	0.24	0.22	0.2	0.19	0.18	0.17	0.18	0.18	0.31	0.33	0.35	0.32	0.3	0.29	0.27	0.28	0.29	0.28	0.27	0.27	0.27	0.27	0.27	0.26	0.25	0.25	0.67	0.67	0.67	
	0.0	0.14	0.23	0.3	0.36	0.43	0.5	0.59	0.71	0.0	0.08	0.22	0.3	0.37	0.43	0.5	0.59	0.7	0.0	0.08	0.18	0.31	0.39	0.45	0.52	0.6	0.7	0.72	0.61	0.52	0.44	0.36	0.29	0.22	0.12	0.01	0.64	0.64	0.64	
	0.5	0.48	0.5	0.52	0.53	0.55	0.56	0.58	0.6	0.5	0.49	0.5	0.51	0.53	0.54	0.56	0.57	0.59	0.5	0.48	0.5	0.52	0.53	0.55	0.56	0.58	0.6	0.76	0.65	0.56	0.47	0.38	0.27	0.18	0.07	0.0	0.61	0.61	0.61	
08	0.1	0.1	0.09	0.08	0.07	0.06	0.05	0.04	0.05	0.22	0.25	0.22	0.21	0.2	0.19	0.18	0.16	0.17	0.32	0.34	0.36	0.33	0.32	0.3	0.29	0.27	0.29	0.16	0.16	0.17	0.17	0.17	0.16	0.14	0.15	0.78	0.78	0.78	0.78	
	0.0	0.14	0.24	0.32	0.38	0.45	0.53	0.62	0.74	0.0	0.07	0.22	0.32	0.39	0.45	0.52	0.6	0.71	0.0	0.08	0.17	0.32	0.4	0.47	0.53	0.61	0.71	0.73	0.6	0.5	0.42	0.34	0.26	0.19	0.13	0.0	0.76	0.76	0.76	
	0.59	0.58	0.59	0.6	0.61	0.63	0.65	0.67	0.68	0.58	0.58	0.58	0.59	0.6	0.62	0.63	0.65	0.67	0.58	0.57	0.58	0.6	0.61	0.62	0.63	0.65	0.67	0.77	0.65	0.56	0.46	0.36	0.26	0.16	0.08	0.0	0.73	0.73	0.73	
09	0.08	0.09	0.08	0.07	0.06	0.06	0.05	0.04	0.03	0.21	0.25	0.23	0.21	0.2	0.19	0.18	0.17	0.16	0.33	0.35	0.38	0.35	0.33	0.31	0.3	0.29	0.28	0.03	0.04	0.05	0.06	0.06	0.05	0.03	0.02	1.0	1.0	1.0	1.0	
	0.0	0.15	0.25	0.34	0.41	0.48	0.56	0.65	0.81	0.0	0.07	0.22	0.33	0.41	0.48	0.55	0.62	0.73	0.0	0.07	0.17	0.32	0.42	0.49	0.56	0.63	0.72	0.81	0.62	0.5	0.41	0.32	0.24	0.17	0.09	0.0	0.93	0.93	0.93	
	0.75	0.69	0.7	0.71	0.73	0.74	0.76	0.79	0.82	0.75	0.69	0.68	0.69	0.7	0.72	0.73	0.74	0.77	0.75	0.69	0.68	0.69	0.7	0.72	0.73	0.74	0.76	0.82	0.67	0.56	0.46	0.36	0.24	0.15	0.06	0.0	0.86	0.86	0.86	
10	0.38	0.38	0.39	0.41	0.38	0.38	0.33	0.32	0.3	0.47	0.5	0.5	0.5	0.52	0.5	0.45	0.43	0.41	0.56	0.56	0.57	0.58	0.59	0.63	0.56	0.53	0.51	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
	0.01	0.13	0.23	0.3	0.38	0.44	0.52	0.62	0.77	0.01	0.13	0.18	0.26	0.39	0.46	0.54	0.64	0.78	0.01	0.13	0.17	0.25	0.35	0.43	0.51	0.61	0.73	0.86	0.93	0.86	0.78	0.68	0.58	0.48	0.38	0.28	0.18	0.08	0.0	
	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	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	
11	0.37	0.36	0.38	0.4	0.37	0.36	0.35	0.34	0.32	0.47	0.47	0.48	0.5	0.51	0.48	0.46	0.44	0.43	0.56	0.56	0.57	0.58	0.59	0.61	0.57	0.54	0.53	0.82	0.78	0.8	0.82	0.82	0.82	0.81	0.8	0.78	0.09	0.09	0.09	
	0.01	0.13	0.2	0.3	0.37	0.44	0.52	0.62	0.75	0.01	0.13	0.2	0.27	0.39	0.46	0.54	0.64	0.76	0.01	0.13	0.19	0.27	0.36	0.48	0.56	0.65	0.78	0.75	0.76	0.74	0.73	0.72	0.72	0.72	0.75	0.07	0.07	0.07		
	0.04	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.04	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.04	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06		
12	0.36	0.36	0.37	0.39	0.37	0.36	0.36	0.35	0.35	0.47	0.47	0.48	0.49	0.51	0.48	0.47	0.46	0.45	0.56	0.56	0.57	0.58	0.59	0.61	0.57	0.56	0.55	0.73	0.7	0.67	0.69	0.71	0.71	0.7	0.69	0.15	0.15	0.15		
	0.01	0.12	0.22	0.3	0.37	0.45	0.53	0.62	0.74	0.01	0.12	0.22	0.29	0.4	0.46																									

BAM-test chart Fe62; Relative Device Colour System
D65: colour scales and 9 data tables for 16 hues 000° to $m50^\circ$

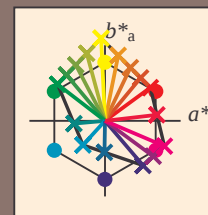
input: 000n / w / nnn0 / www set...
output: ->LAB*->cmy0* setcmyk

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:

u^*_d and number $no.$ = 00 .. 15
device hue text:
 $u^*_d = 16$ hues $o00y, o25y, \dots, m50o$
contrast reduction factor:
 $c_R = 1.0$

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



%Gamut

$u^*_{rel} = 109$

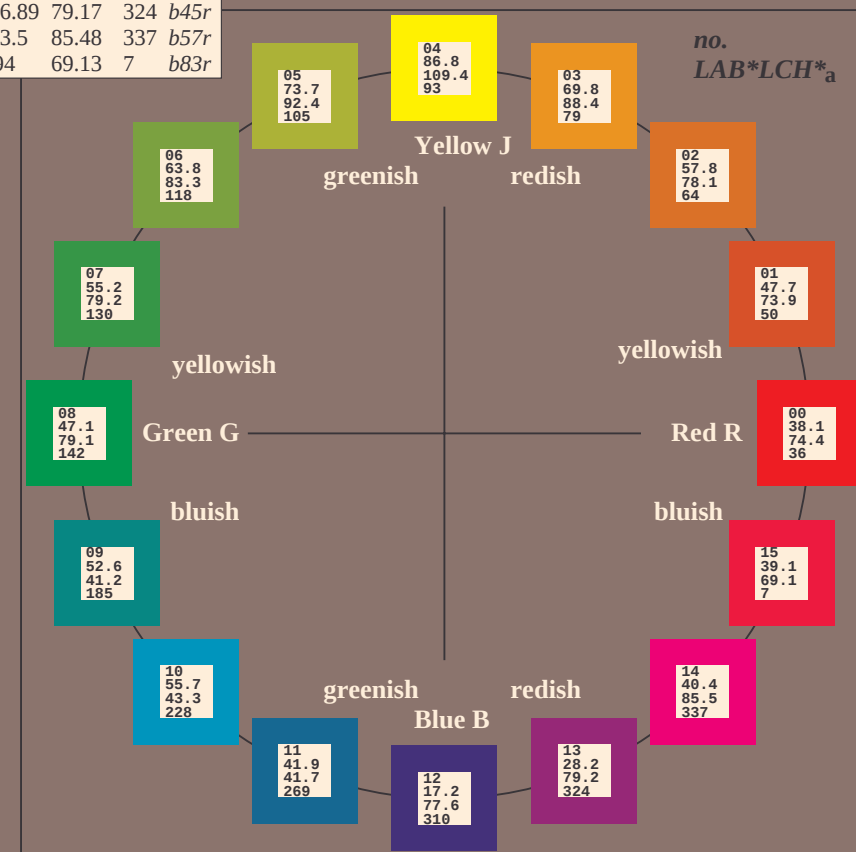
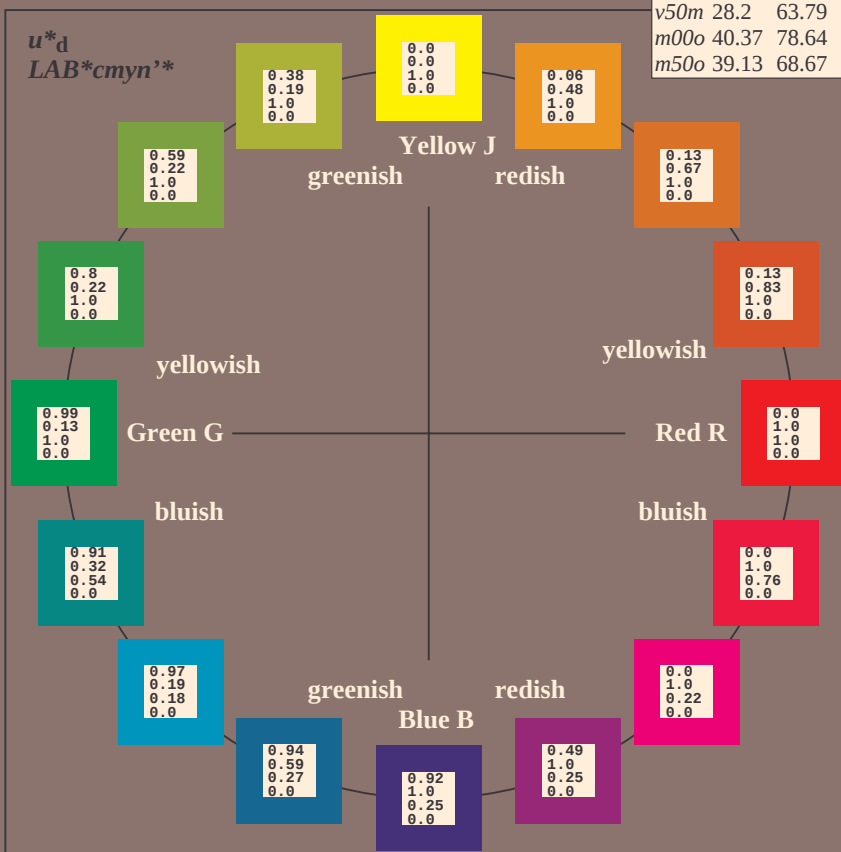
%Regularity

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

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

FRS12_95a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.101$

data for any colour:

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

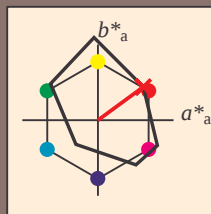
Hue texts:

$u^*_d = o00y$ $u^*_e = r16j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	38.06	60.53	36.66	70.77	31	
Y_M	86.77	-4.5	100.15	100.25	93	
L_M	47.13	-62.11	40.56	74.18	147	
C_M	55.66	-28.56	-39.99	49.14	234	
V_M	17.15	50.78	-65.6	82.96	308	
M_M	40.37	79.18	-40.93	89.13	333	
N_M	11.58	0.46	-6.35	6.37	274	
W_M	95.02	0.69	-9.48	9.51	274	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 38 60 44

LAB^*LCH^*Ma : 38 74 36

lab^*olv^*Ma : 1.0 0.0 0.0

lab^*rgb^*Ma : 1.0 0.16 0.0

triangle lightness t^*

%Gamut

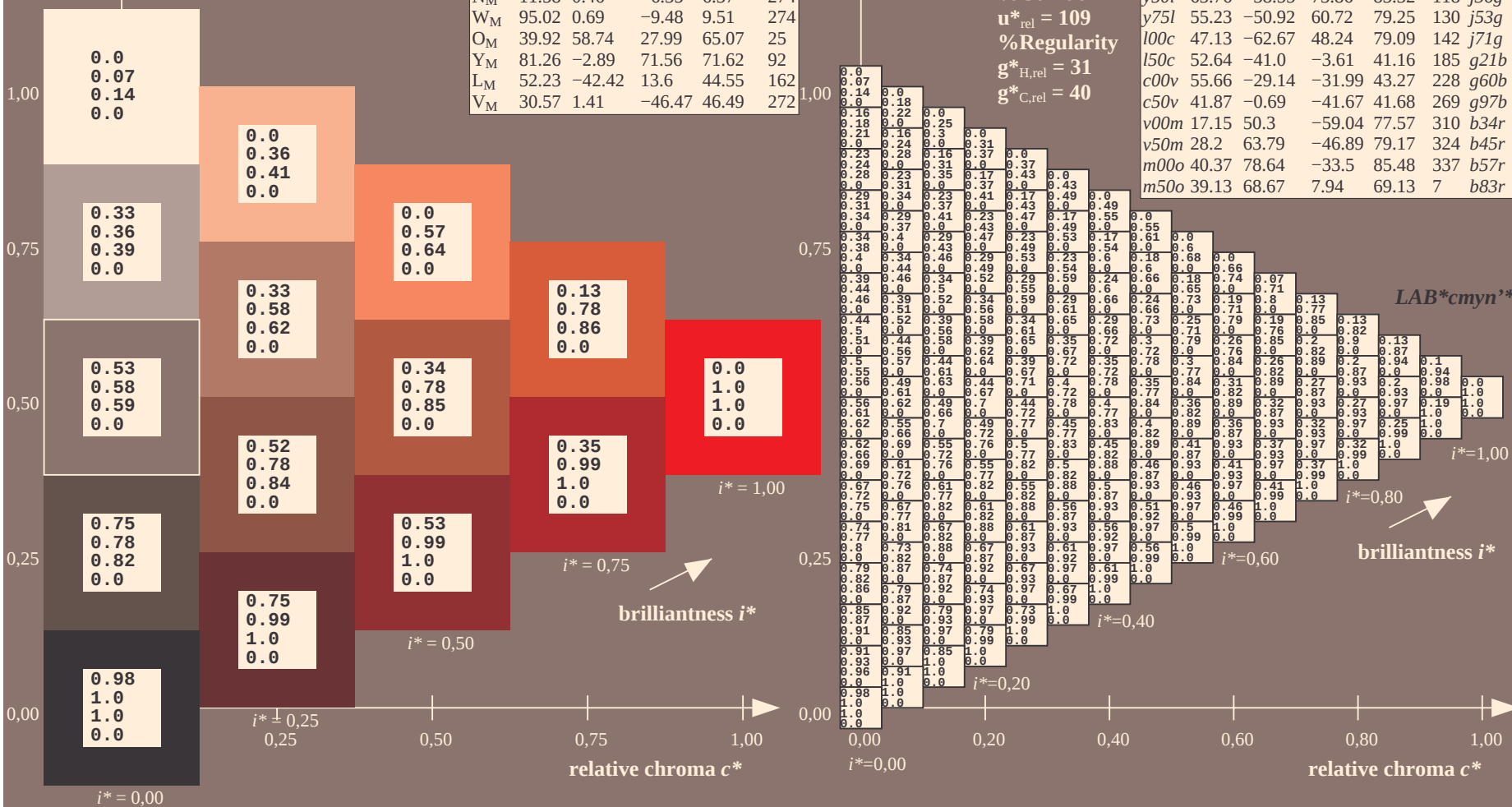
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$	
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$	
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$	
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$	
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$	
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$	
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$	
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$	
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$	
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$	
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$	
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$	
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$	
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$	
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$	
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.14$

data for any colour:

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

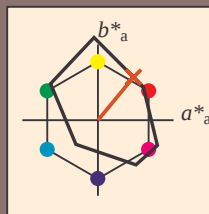
Hue texts:

$u^*_d = o25y$ $u^*_e = r37j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 48 47 57

$LAB^*LCH^*_{Ma}$: 48 74 50

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

$lab^*rgb^*_{Ma}$: 1.0 0.37 0.0

triangle lightness t^*

%Gamut

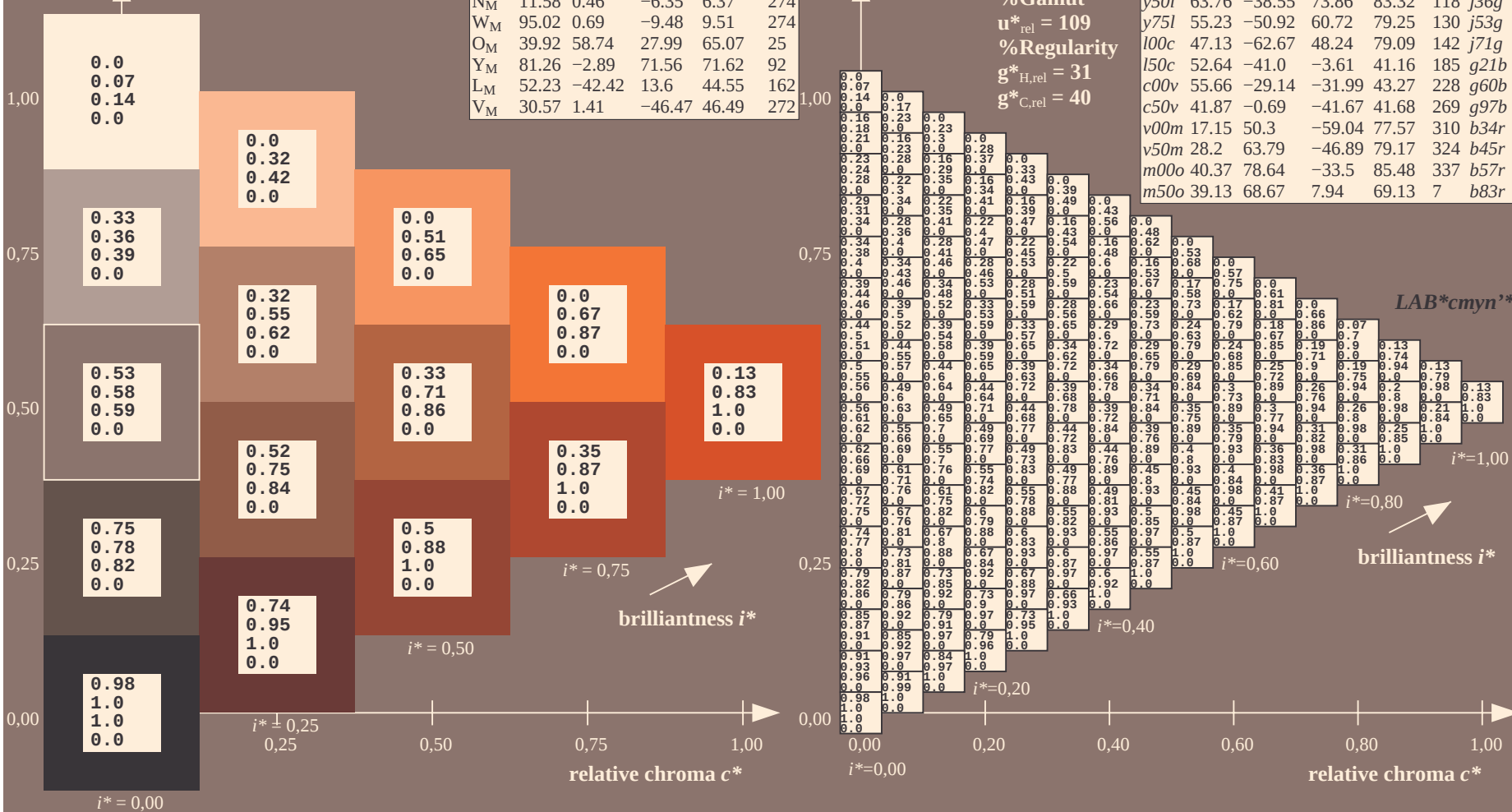
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.179$

data for any colour:

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

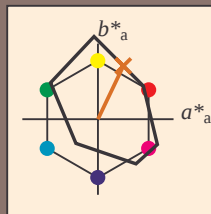
Hue texts:

$u^*_d = o50y$ $u^*_e = r58j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 34 70

$LAB^*LCH^*_{Ma}$: 58 78 64

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

$lab^*rgb^*_{Ma}$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

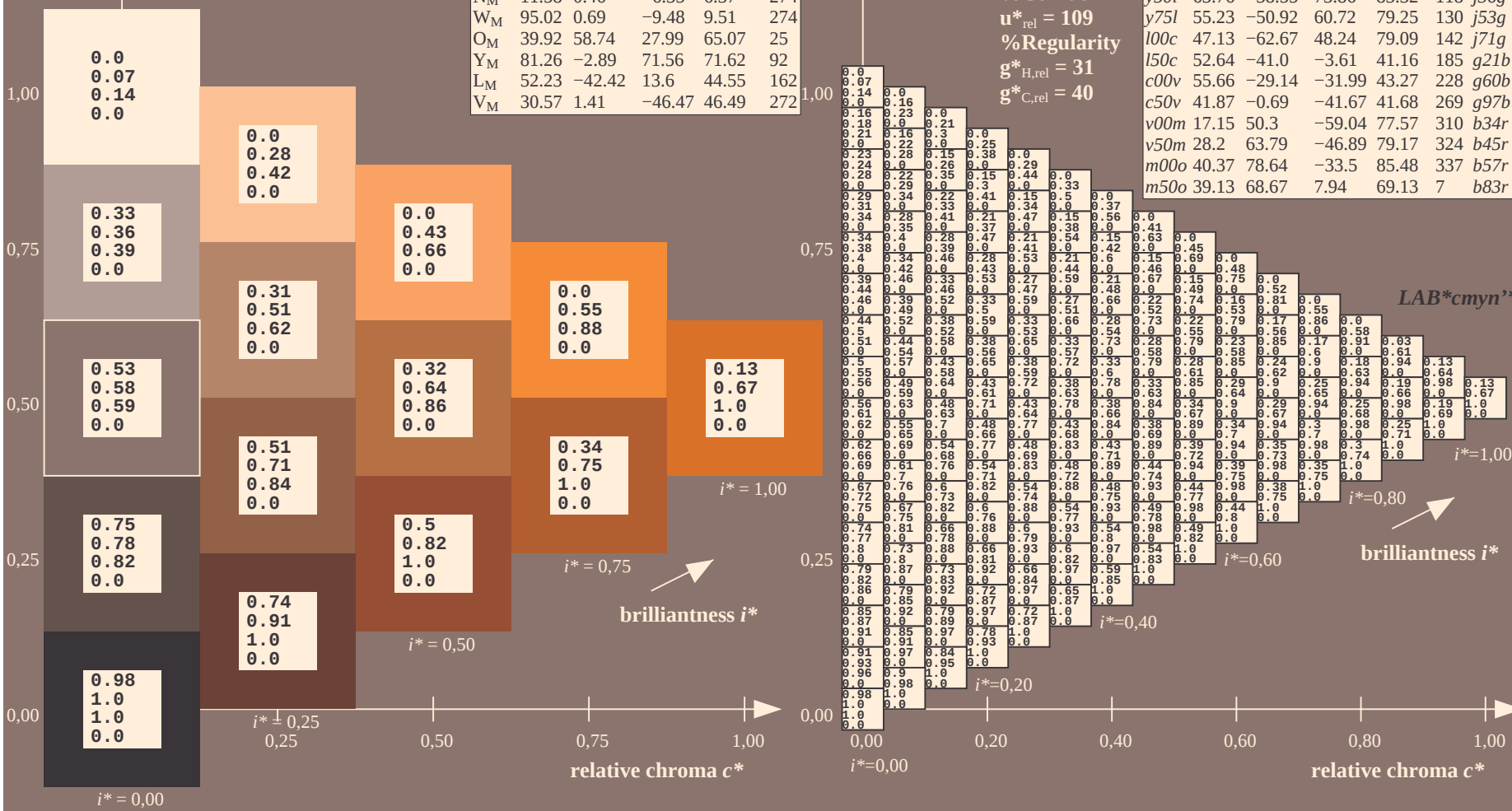
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.218$

data for any colour:

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

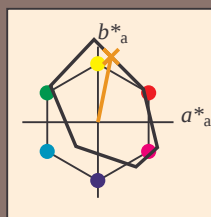
Hue texts:

$u^*_d = o75y$ $u^*_e = r79j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 70 17 87

$LAB^*LCH^*_{Ma}$: 70 88 78

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

$lab^*rgb^*_{Ma}$: 1.0 0.79 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	

$LAB^*cmy^n^*$

$i^*=1.00$

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 FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.258$

data for any colour:

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

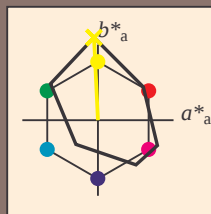
Hue texts:

$u^*_d = y00l$ $u^*_e = j01g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 87 -5 109

LAB^*LCH^*Ma : 87 109 92

lab^*olv^*Ma : 1.0 1.0 0.0

lab^*rgb^*Ma : 0.99 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$LAB^*cmy^n^*$

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues o00y to m50o

input: 000n / w / nnn0 / www set...

output: ->LAB*->cmy0* setcmyk

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.292$

data for any colour:

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

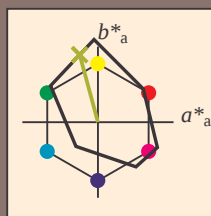
Hue texts:

$u^*_d = y25l$ $u^*_e = j18g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 74 -24 89

LAB^*LCH^*Ma : 74 92 105

lab^*olv^*Ma : 0.75 1.0 0.0

lab^*rgb^*Ma : 0.82 1.0 0.0

triangle lightness t^*

%Gamut

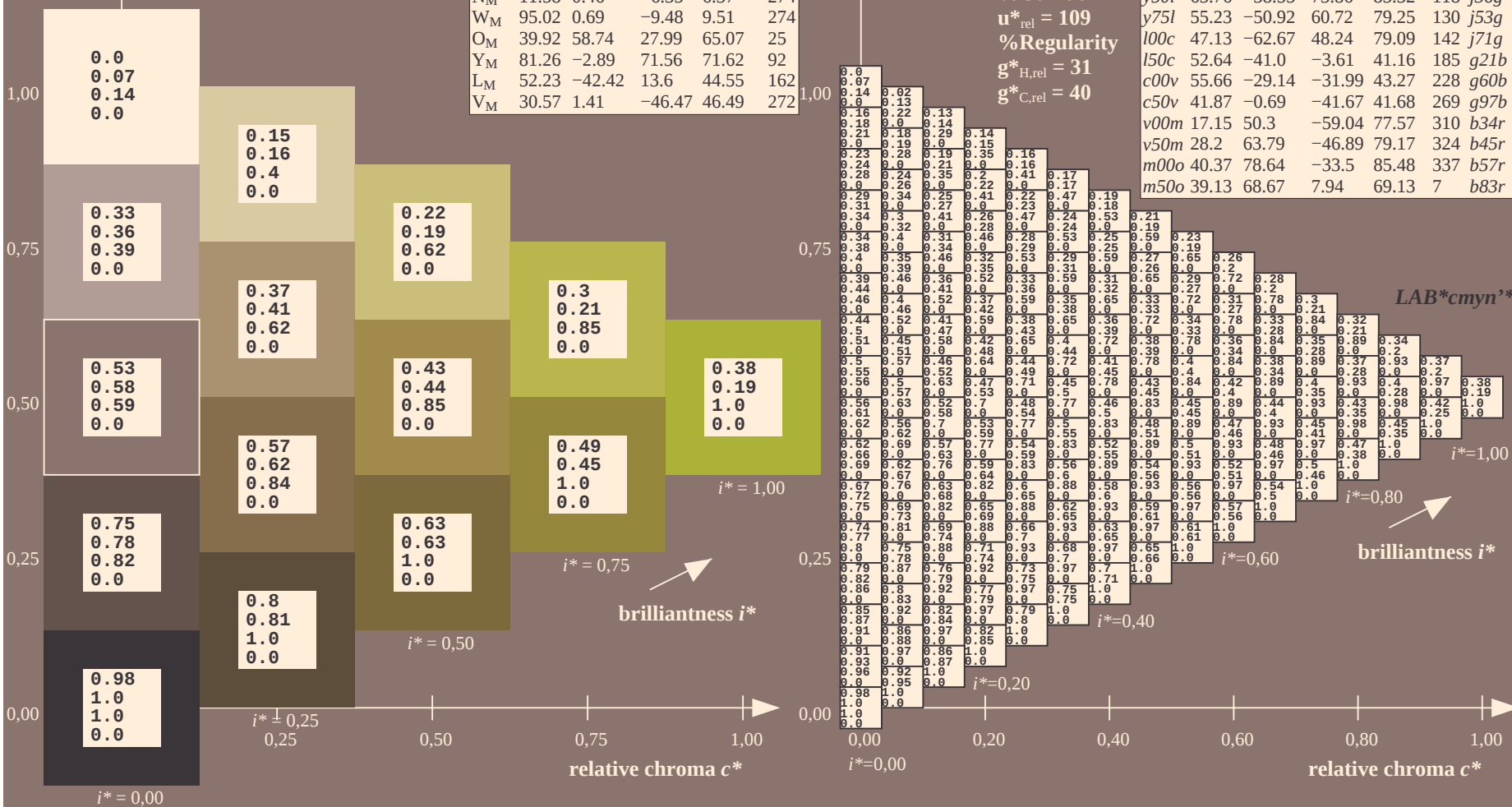
$u^*_{rel} = 109$

%Regularity

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

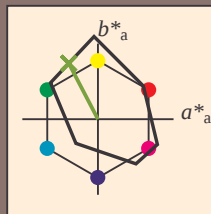
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.327$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = y50l$ $u^*_e = j36g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 64 -39 74

LAB^*LCH^*Ma : 64 83 117

lab^*olv^*Ma : 0.5 1.0 0.0

lab^*rgb^*Ma : 0.64 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.361$

data for any colour:

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

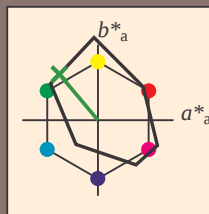
Hue texts:

$u^*_d = y75l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 55 -51 61

LAB^*LCH^*Ma : 55 79 129

lab^*olv^*Ma : 0.25 1.0 0.0

lab^*rgb^*Ma : 0.46 1.0 0.0

triangle lightness t^*

%Gamut

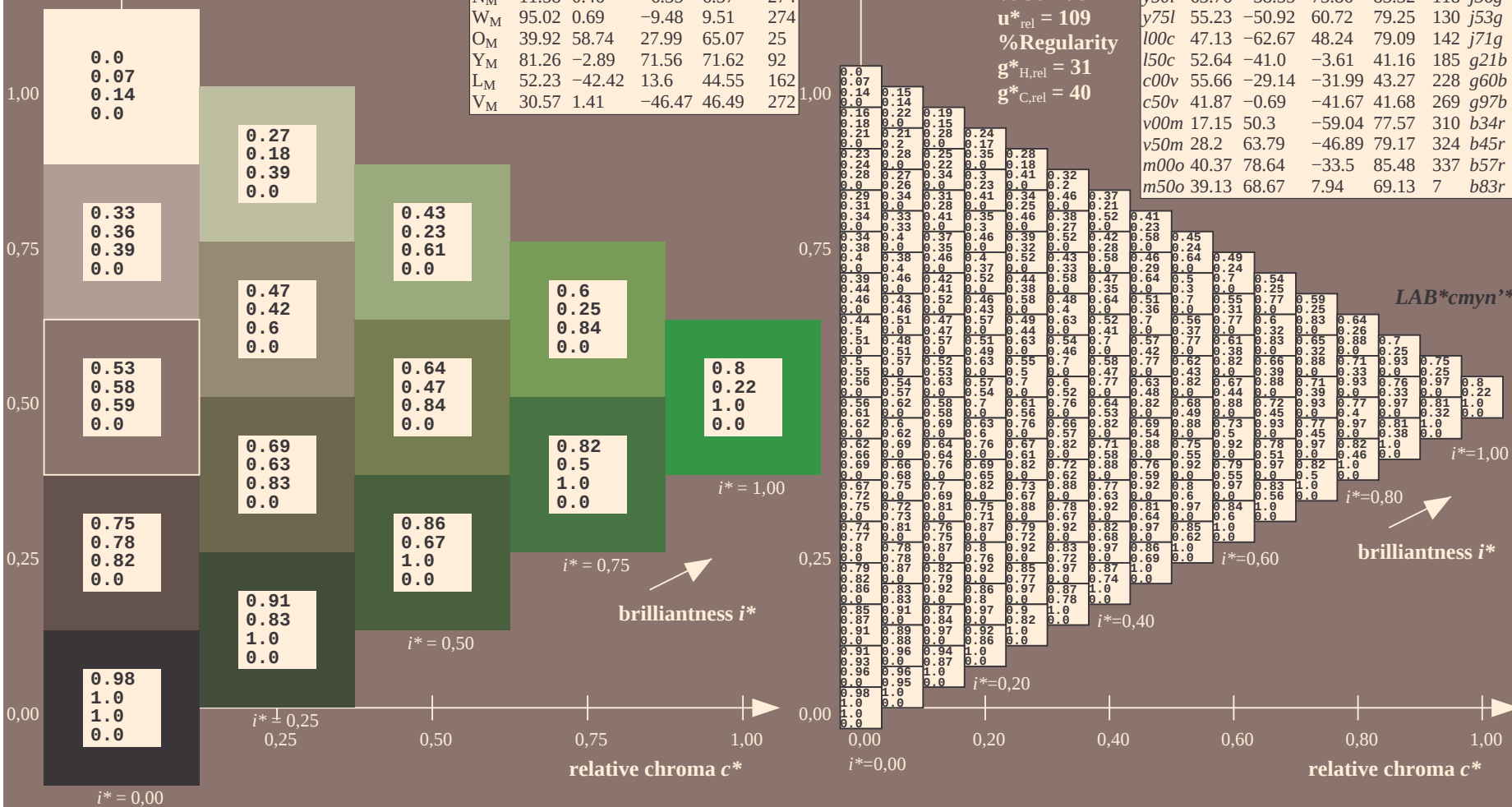
$u^*_{rel} = 109$

%Regularity

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

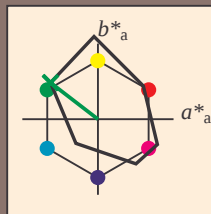
$g^*_{C,rel} = 40$

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.396$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = j71g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 47 -63 48

LAB^*LCH^*Ma : 47 79 142

lab^*olv^*Ma : 0.0 1.0 0.0

lab^*rgb^*Ma : 0.28 1.0 0.0

triangle lightness t^*

%Gamut

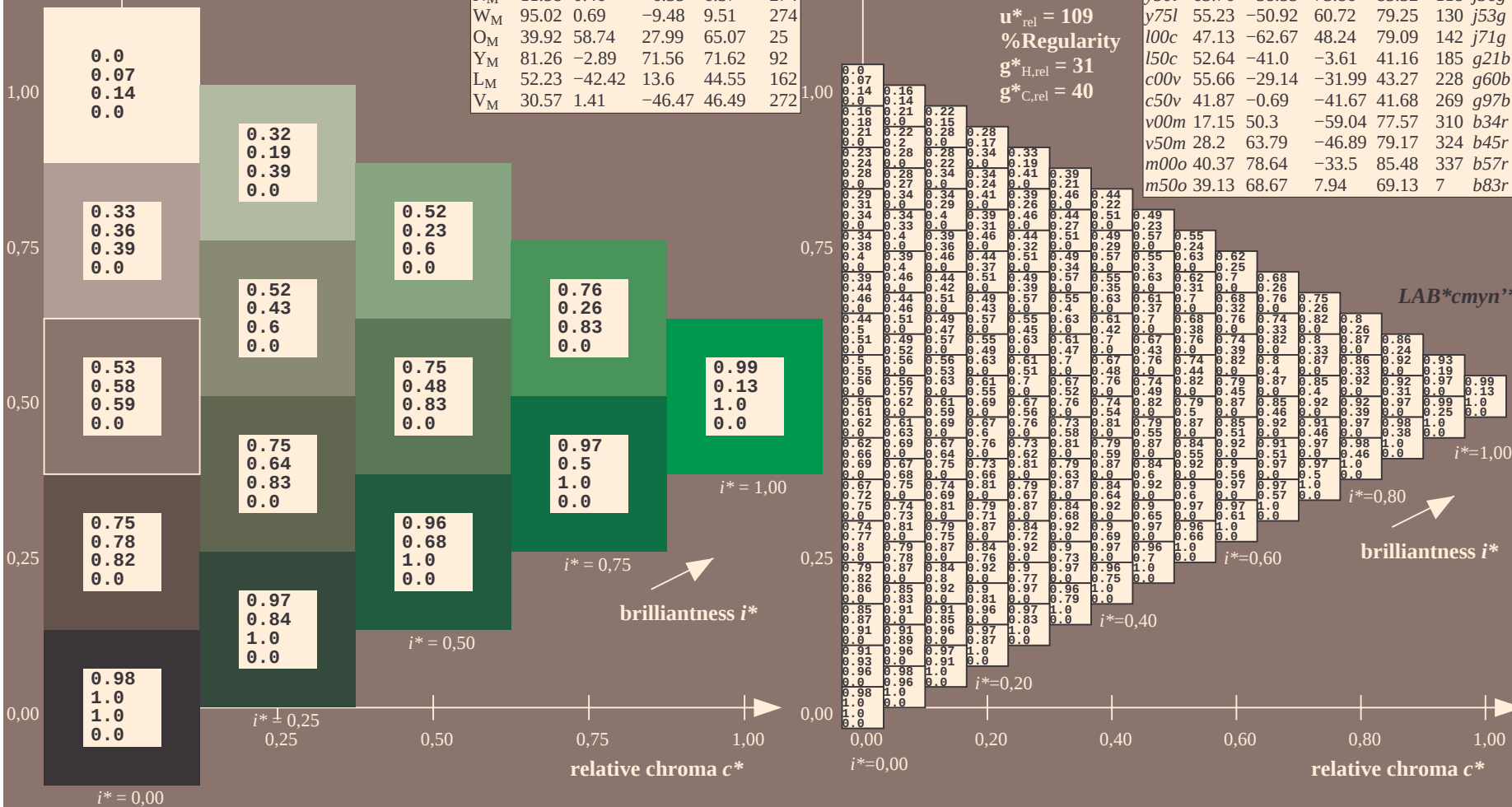
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.514$

data for any colour:

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

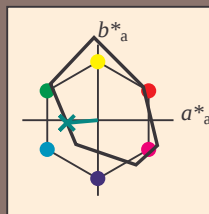
Hue texts:

$u^*_d = l50c$ $u^*_e = g21b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 53 -41 -4

$LAB^*LCH^*_Ma$: 53 41 185

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

$lab^*rgb^*_Ma$: 0.0 1.0 0.42

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

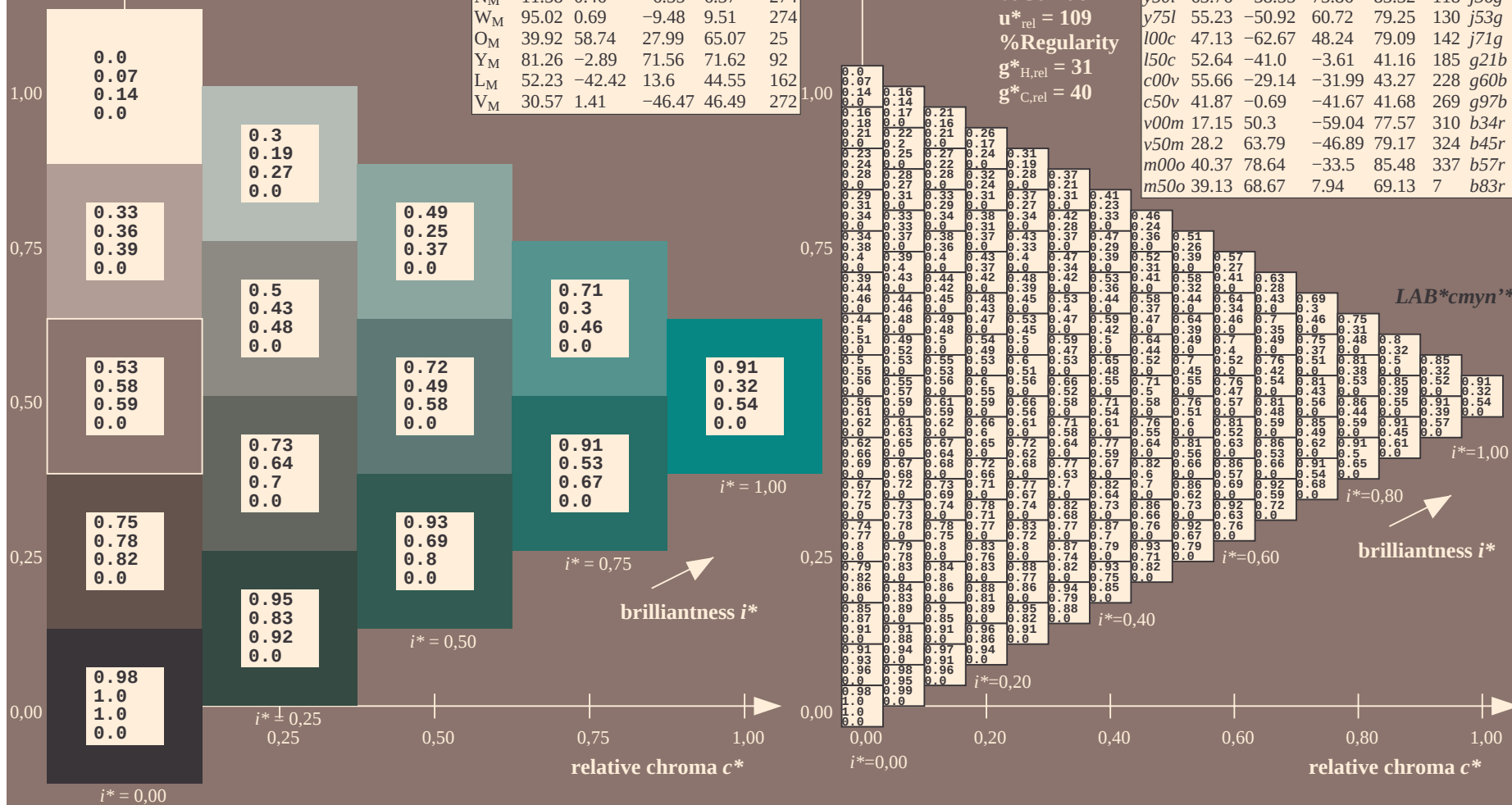
%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.632$

data for any colour:

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

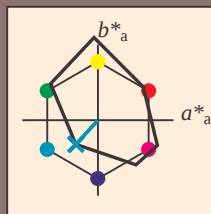
Hue texts:

$u^*_d = c00v$ $u^*_e = g60b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	38.06	60.53	36.66	70.77	31
Y_M	86.77	-4.5	100.15	100.25	93
L_M	47.13	-62.11	40.56	74.18	147
C_M	55.66	-28.56	-39.99	49.14	234
V_M	17.15	50.78	-65.6	82.96	308
M_M	40.37	79.18	-40.93	89.13	333
N_M	11.58	0.46	-6.35	6.37	274
W_M	95.02	0.69	-9.48	9.51	274
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 56 -29 -32

LAB^*LCH^*Ma : 56 43 227

lab^*olv^*Ma : 0.0 1.0 1.0

lab^*rgb^*Ma : 0.0 0.8 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	38.06	60.0	44.0	74.4	36	$r16j$
$o25y$	47.68	47.13	56.9	73.88	50	$r37j$
$o50y$	57.77	33.62	70.44	78.05	64	$r58j$
$o75y$	69.84	17.48	86.62	88.37	79	$r79j$
$y00l$	86.77	-5.17	109.32	109.44	93	$j01g$
$y25l$	73.71	-24.12	89.19	92.39	105	$j18g$
$y50l$	63.76	-38.55	73.86	83.32	118	$j36g$
$y75l$	55.23	-50.92	60.72	79.25	130	$j53g$
$l00c$	47.13	-62.67	48.24	79.09	142	$j71g$
$l50c$	52.64	-41.0	-3.61	41.16	185	$g21b$
$c00v$	55.66	-29.14	-31.99	43.27	228	$g60b$
$c50v$	41.87	-0.69	-41.67	41.68	269	$g97b$
$v00m$	17.15	50.3	-59.04	77.57	310	$b34r$
$v50m$	28.2	63.79	-46.89	79.17	324	$b45r$
$m00o$	40.37	78.64	-33.5	85.48	337	$b57r$
$m50o$	39.13	68.67	7.94	69.13	7	$b83r$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

BAM-test chart Fe62; Relative Device Colour System

D65: colour scales and 9 data tables for 16 hues $o00y$ to $m50o$

input: $000n / w / nnn0 / www set...$

output: $->LAB^*->cmy0^* setcmyk$

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.747$

data for any colour:

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

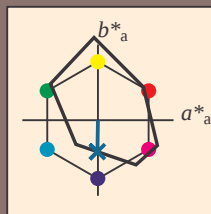
Hue texts:

$u^*_d = c50v$ $u^*_e = g97b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

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

$LAB^*LCH^*_{Ma}$: 42 42 269

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

$lab^*rgb^*_{Ma}$: 0.0 0.05 1.0

triangle lightness t^*

% Gamut

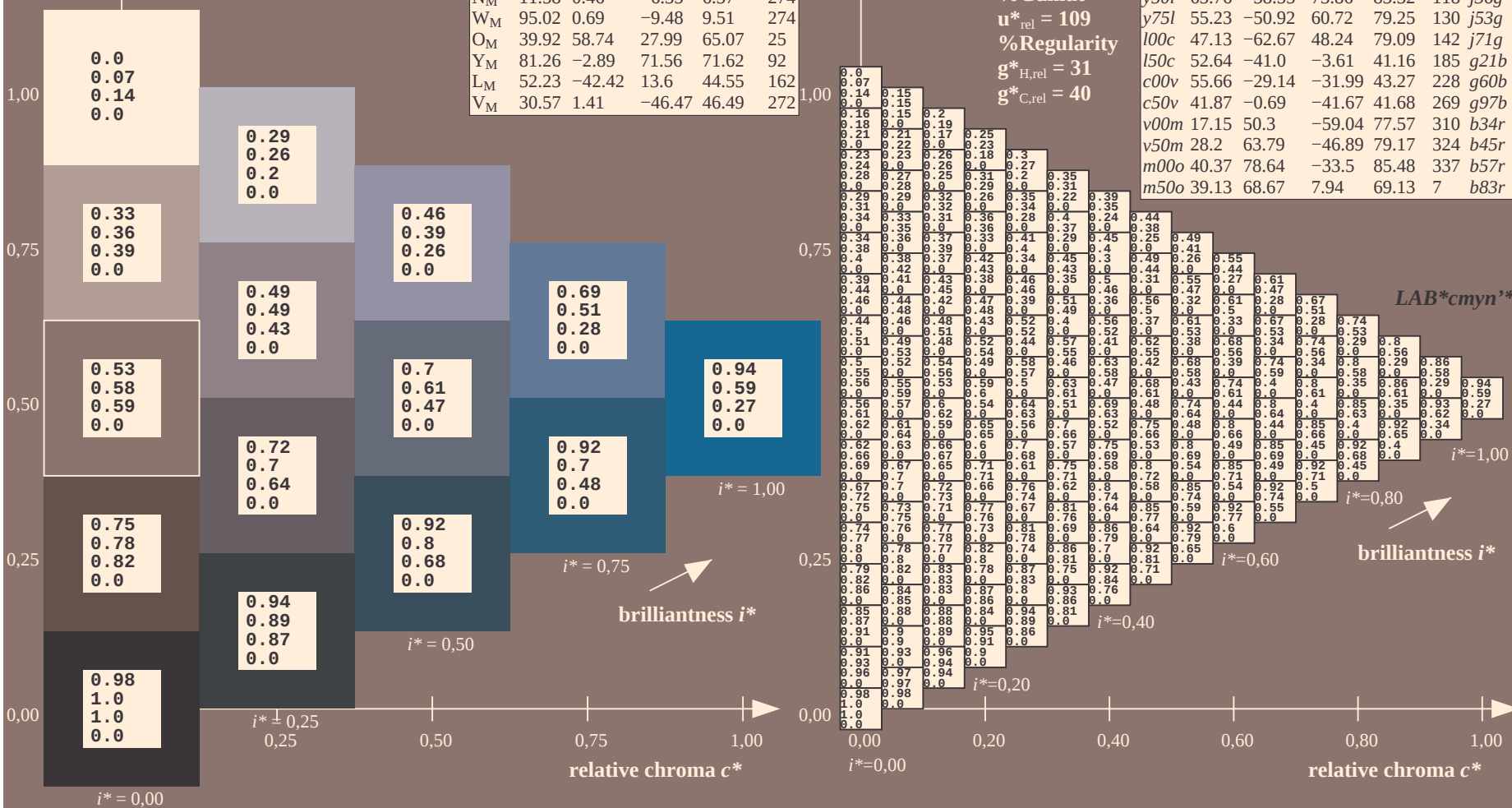
$u^*_{rel} = 109$

% Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.862$

data for any colour:

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

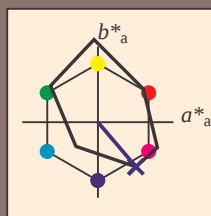
Hue texts:

$u^*_d = v00m$ $u^*_e = b34r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 17 50 -59

$LAB^*LCH^*_{Ma}$: 17 78 310

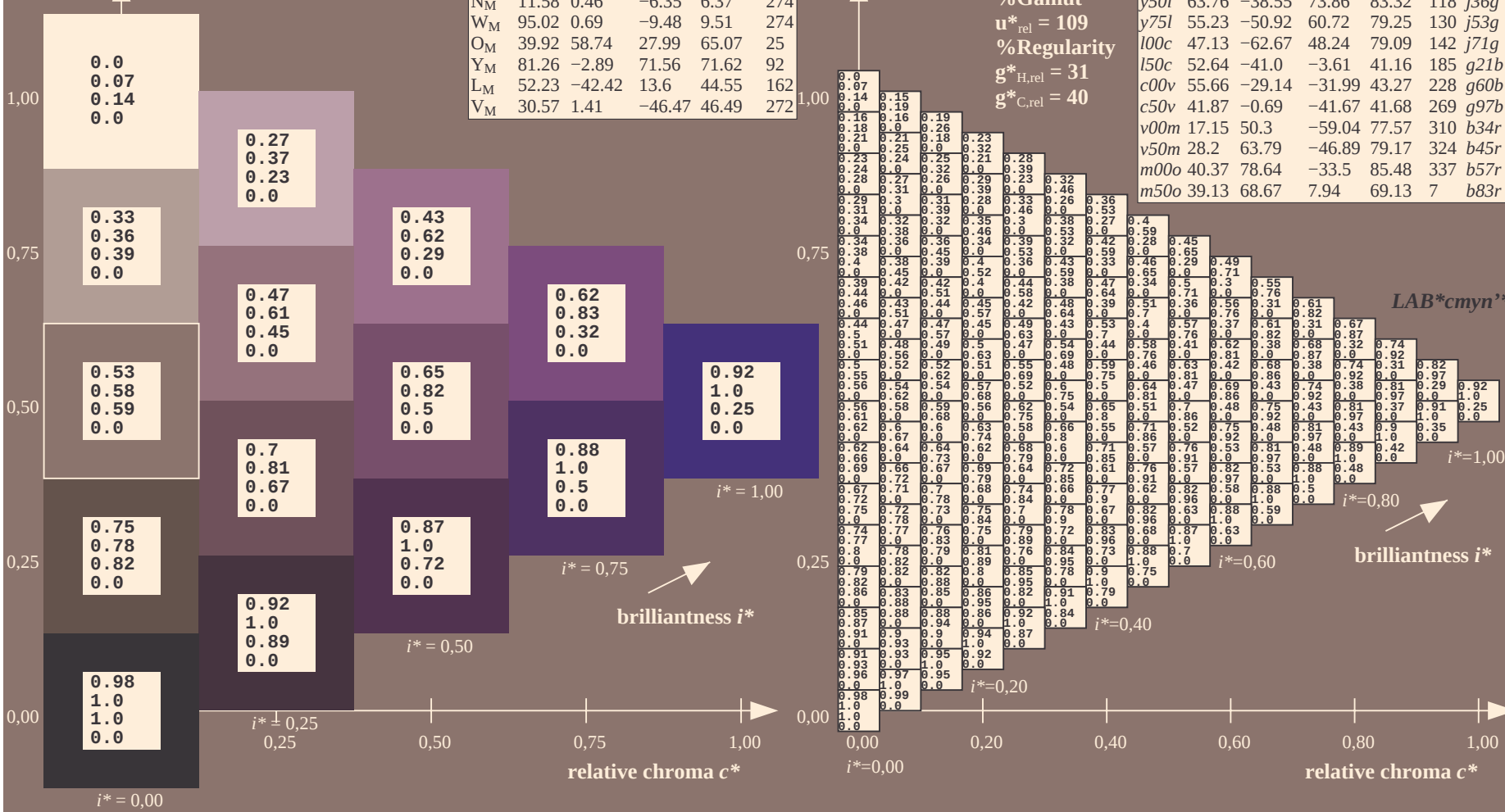
$lab^*olv^*_{Ma}$: 0.0 0.0 1.0

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

triangle lightness t^*

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.899$

data for any colour:

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

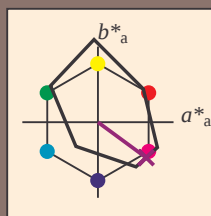
Hue texts:

$u^*_d = v50m$ $u^*_e = b45r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 64 -47

$LAB^*LCH^*_{Ma}$: 28 79 323

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

$lab^*rgb^*_{Ma}$: 0.91 0.0 1.0

triangle lightness t^*

%Gamut

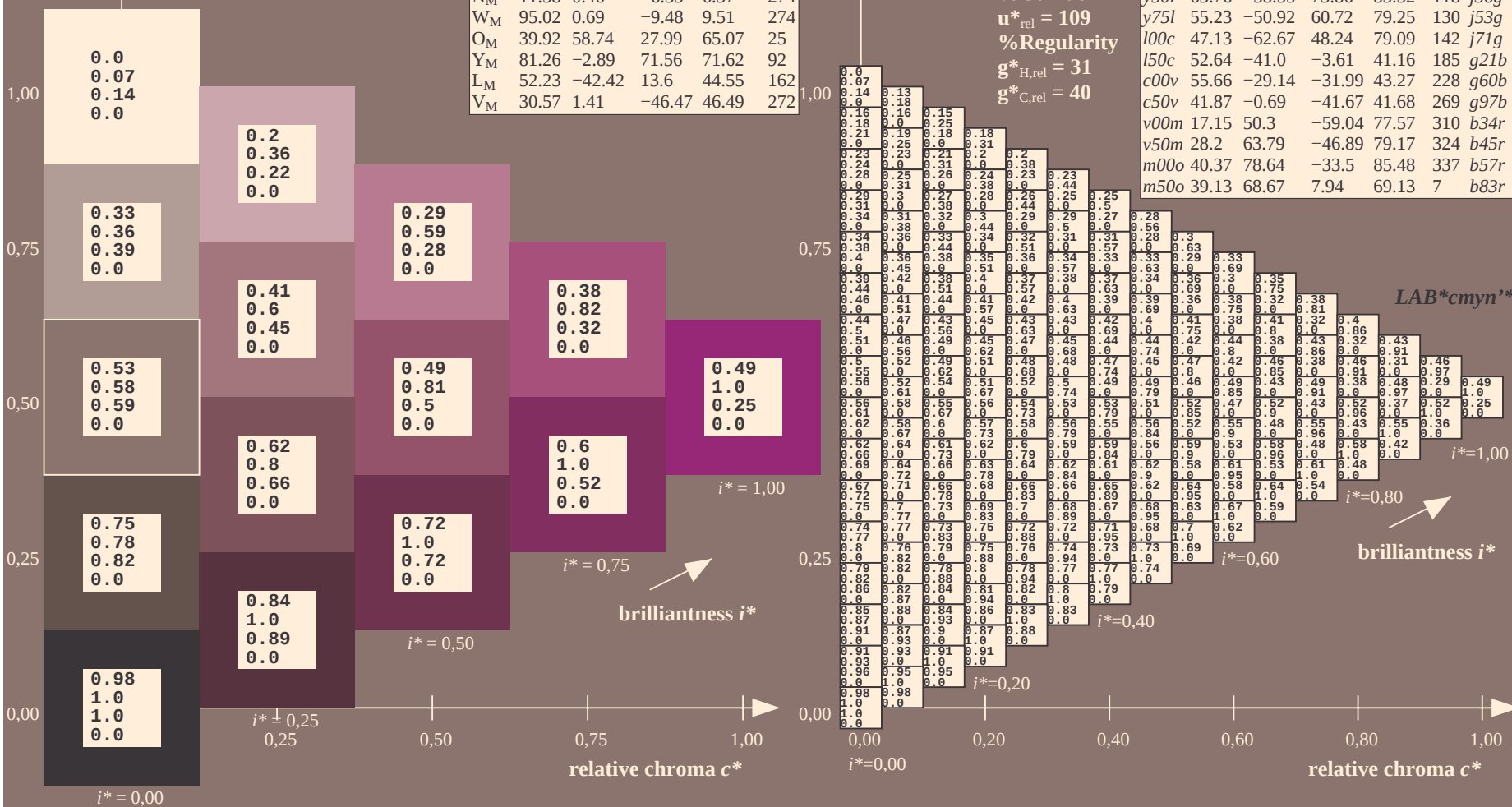
$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r



Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.936$

data for any colour:

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

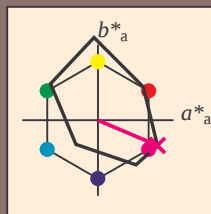
Hue texts:

$u^*_d = m00o$ $u^*_e = b57r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



FRS12_95a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	38.06	60.53	36.66	70.77	31	
Y _M	86.77	-4.5	100.15	100.25	93	
L _M	47.13	-62.11	40.56	74.18	147	
C _M	55.66	-28.56	-39.99	49.14	234	
V _M	17.15	50.78	-65.6	82.96	308	
M _M	40.37	79.18	-40.93	89.13	333	
N _M	11.58	0.46	-6.35	6.37	274	
W _M	95.02	0.69	-9.48	9.51	274	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 40\ 79\ -34$

$LAB^*LCH^*Ma: 40\ 85\ 336$

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

$lab^*rgb^*Ma: 1.0\ 0.0\ 0.85$

triangle lightness t^*

%Gamut

$u^*_{rel} = 109$

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	38.06	60.0	44.0	74.4	36	r16j
o25y	47.68	47.13	56.9	73.88	50	r37j
o50y	57.77	33.62	70.44	78.05	64	r58j
o75y	69.84	17.48	86.62	88.37	79	r79j
y00l	86.77	-5.17	109.32	109.44	93	j01g
y25l	73.71	-24.12	89.19	92.39	105	j18g
y50l	63.76	-38.55	73.86	83.32	118	j36g
y75l	55.23	-50.92	60.72	79.25	130	j53g
l00c	47.13	-62.67	48.24	79.09	142	j71g
l50c	52.64	-41.0	-3.61	41.16	185	g21b
c00v	55.66	-29.14	-31.99	43.27	228	g60b
c50v	41.87	-0.69	-41.67	41.68	269	g97b
v00m	17.15	50.3	-59.04	77.57	310	b34r
v50m	28.2	63.79	-46.89	79.17	324	b45r
m00o	40.37	78.64	-33.5	85.48	337	b57r
m50o	39.13	68.67	7.94	69.13	7	b83r

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

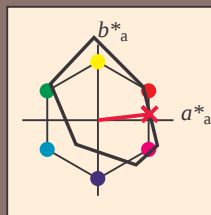
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System FRS12_95a, L*=12_95 for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.018$
data for any colour:
 $\text{lab} \cdot \text{tch}^*$ and $\text{lab} \cdot \text{icu}^*$

Hue texts:
 $u^*_d = m50o$ $u^*_e = b83r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



FRS12_95a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	38.06	60.53	36.66	70.77	31
Y _M	86.77	-4.5	100.15	100.25	93
L _M	47.13	-62.11	40.56	74.18	147
C _M	55.66	-28.56	-39.99	49.14	234
V _M	17.15	50.78	-65.6	82.96	308
M _M	40.37	79.18	-40.93	89.13	333
N _M	11.58	0.46	-6.35	6.37	274
W _M	95.02	0.69	-9.48	9.51	274
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB} \cdot \text{LAB}^*_{\text{Ma}}: 39 \ 69 \ 8$

$\text{LAB} \cdot \text{LCH}^*_{\text{Ma}}: 39 \ 69 \ 6$

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

$\text{lab} \cdot \text{rgb}^*_{\text{Ma}}: 1.0 \ 0.0 \ 0.33$

triangle lightness t^*

%Gamut

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

%Regularity

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

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

FRS12_95a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	38.06	60.0	44.0	74.4	36	r16j	
o25y	47.68	47.13	56.9	73.88	50	r37j	
o50y	57.77	33.62	70.44	78.05	64	r58j	
o75y	69.84	17.48	86.62	88.37	79	r79j	
y00l	86.77	-5.17	109.32	109.44	93	j01g	
y25l	73.71	-24.12	89.19	92.39	105	j18g	
y50l	63.76	-38.55	73.86	83.32	118	j36g	
y75l	55.23	-50.92	60.72	79.25	130	j53g	
l00c	47.13	-62.67	48.24	79.09	142	j71g	
l50c	52.64	-41.0	-3.61	41.16	185	g21b	
c00v	55.66	-29.14	-31.99	43.27	228	g60b	
c50v	41.87	-0.69	-41.67	41.68	269	g97b	
v00m	17.15	50.3	-59.04	77.57	310	b34r	
v50m	28.2	63.79	-46.89	79.17	324	b45r	
m00o	40.37	78.64	-33.5	85.48	337	b57r	
m50o	39.13	68.67	7.94	69.13	7	b83r	

$\text{LAB} \cdot \text{cmy}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

[illegible]