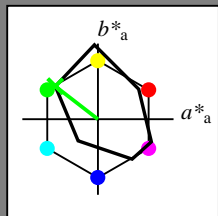


Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$   
 Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 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 <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
O <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
Y <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
L <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
V <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

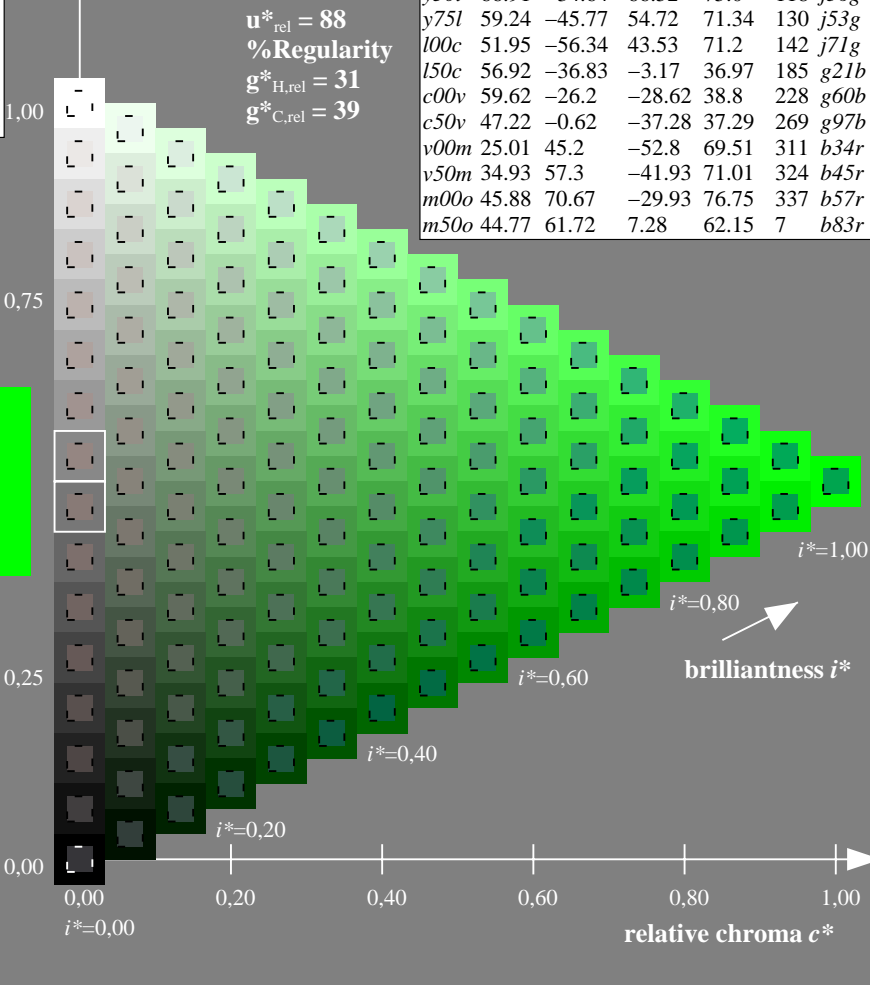
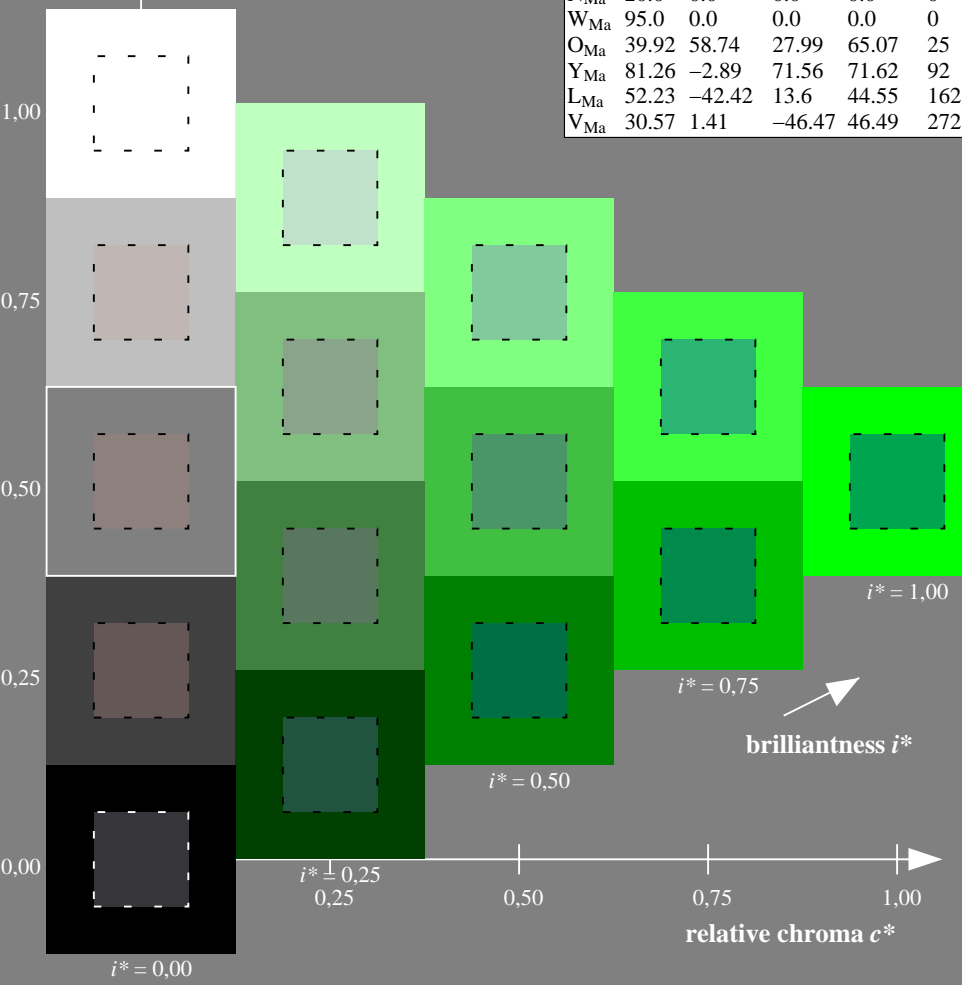
$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0

**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>	43.8	53.91	39.75	66.98	36		<i>r16j</i>
<i>o25y</i>	52.46	42.34	51.32	66.53	50		<i>r37j</i>
<i>o50y</i>	61.53	30.2	63.46	70.28	65		<i>r58j</i>
<i>o75y</i>	72.39	15.68	77.97	79.53	79		<i>r79j</i>
<i>y00l</i>	87.58	-4.65	98.29	98.4	93		<i>j01g</i>
<i>y25l</i>	75.85	-21.67	80.26	83.13	105		<i>j18g</i>
<i>y50l</i>	66.91	-34.64	66.52	75.0	118		<i>j36g</i>
<i>y75l</i>	59.24	-45.77	54.72	71.34	130		<i>j53g</i>
<i>l00c</i>	51.95	-56.34	43.53	71.2	142		<i>j71g</i>
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185		<i>g21b</i>
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228		<i>g60b</i>
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269		<i>g97b</i>
<i>v00m</i>	25.01	45.2	-52.8	69.51	311		<i>b34r</i>
<i>v50m</i>	34.93	57.3	-41.93	71.01	324		<i>b45r</i>
<i>m00o</i>	45.88	70.67	-29.93	76.75	337		<i>b57r</i>
<i>m50o</i>	44.77	61.72	7.28	62.15	7		<i>b83r</i>

triangle lightness  $t^*$

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

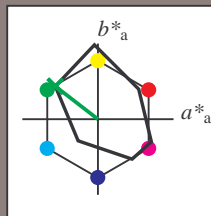


See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Fe77/](http://www.ps.bam.de/Fe77/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS BAM material: code=rhadata  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.395$   
 data for any colour:  $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 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	43.8	53.91	39.75	66.98	36	
YMa	87.58	-4.65	98.29	98.4	93	
LMa	51.95	-56.34	43.53	71.2	142	
CMa	59.62	-26.2	-28.62	38.8	228	
VMa	25.01	45.2	-52.8	69.51	311	
MMa	45.88	70.67	-29.93	76.75	337	
NMa	20.0	0.0	0.0	0.0	0	
WMa	95.0	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	

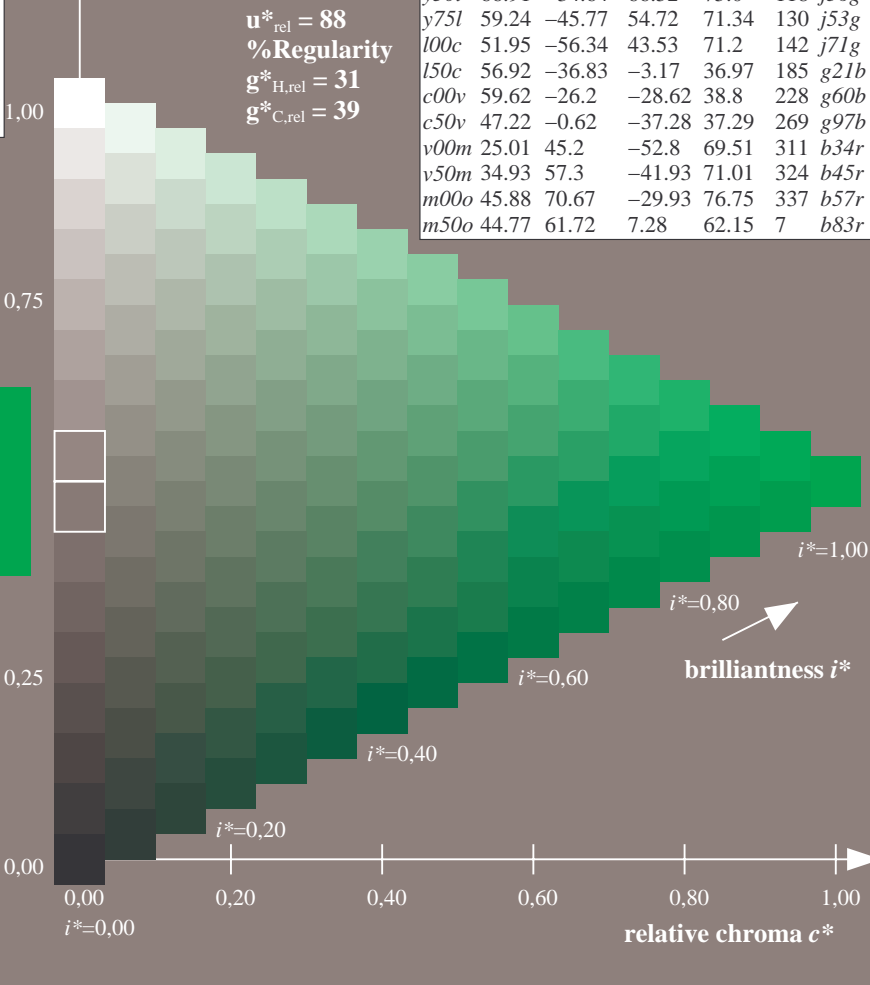
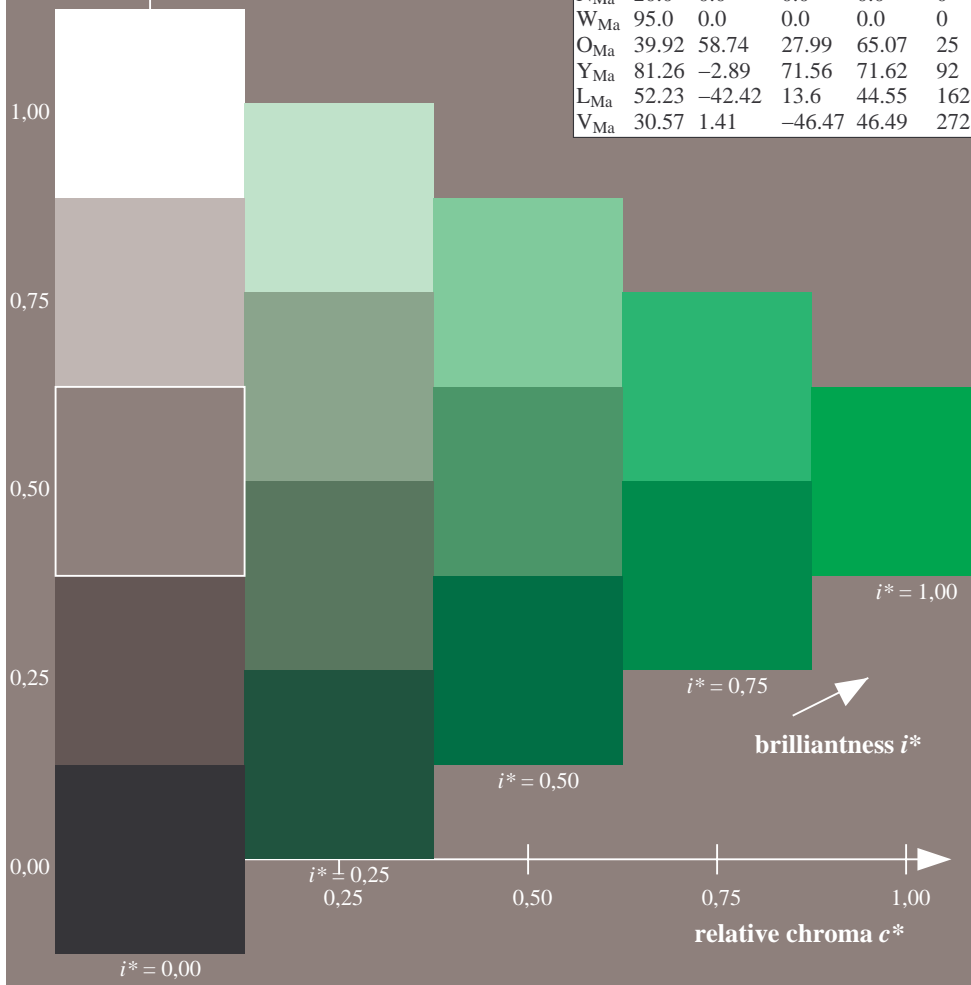
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0

FRS12_95a; adapted (a) CIELAB data							
$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$	
o00y	43.8	53.91	39.75	66.98	36	r16j	
o25y	52.46	42.34	51.32	66.53	50	r37j	
o50y	61.53	30.2	63.46	70.28	65	r58j	
o75y	72.39	15.68	77.97	79.53	79	r79j	
y00l	87.58	-4.65	98.29	98.4	93	j01g	
y25l	75.85	-21.67	80.26	83.13	105	j18g	
y50l	66.91	-34.64	66.52	75.0	118	j36g	
y75l	59.24	-45.77	54.72	71.34	130	j53g	
l00c	51.95	-56.34	43.53	71.2	142	j71g	
l50c	56.92	-36.83	-3.17	36.97	185	g21b	
c00v	59.62	-26.2	-28.62	38.8	228	g60b	
c50v	47.22	-0.62	-37.28	37.29	269	g97b	
v00m	25.01	45.2	-52.8	69.51	311	b34r	
v50m	34.93	57.3	-41.93	71.01	324	b45r	
m00o	45.88	70.67	-29.93	76.75	337	b57r	
m50o	44.77	61.72	7.28	62.15	7	b83r	

triangle lightness  $t^*$

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

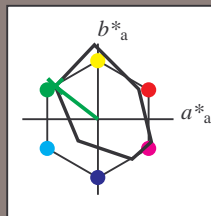


See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Fe77/](http://www.ps.bam.de/Fe77/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS BAM material: code=rhadata  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 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 <sub>Ma</sub>	43.8	53.91	39.75	66.98	36
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0
O <sub>Ma</sub>	39.92	58.74	27.99	65.07	25
Y <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92
L <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162
V <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44

$LAB^*LCH^*_{Ma}$ : 52 71 142

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

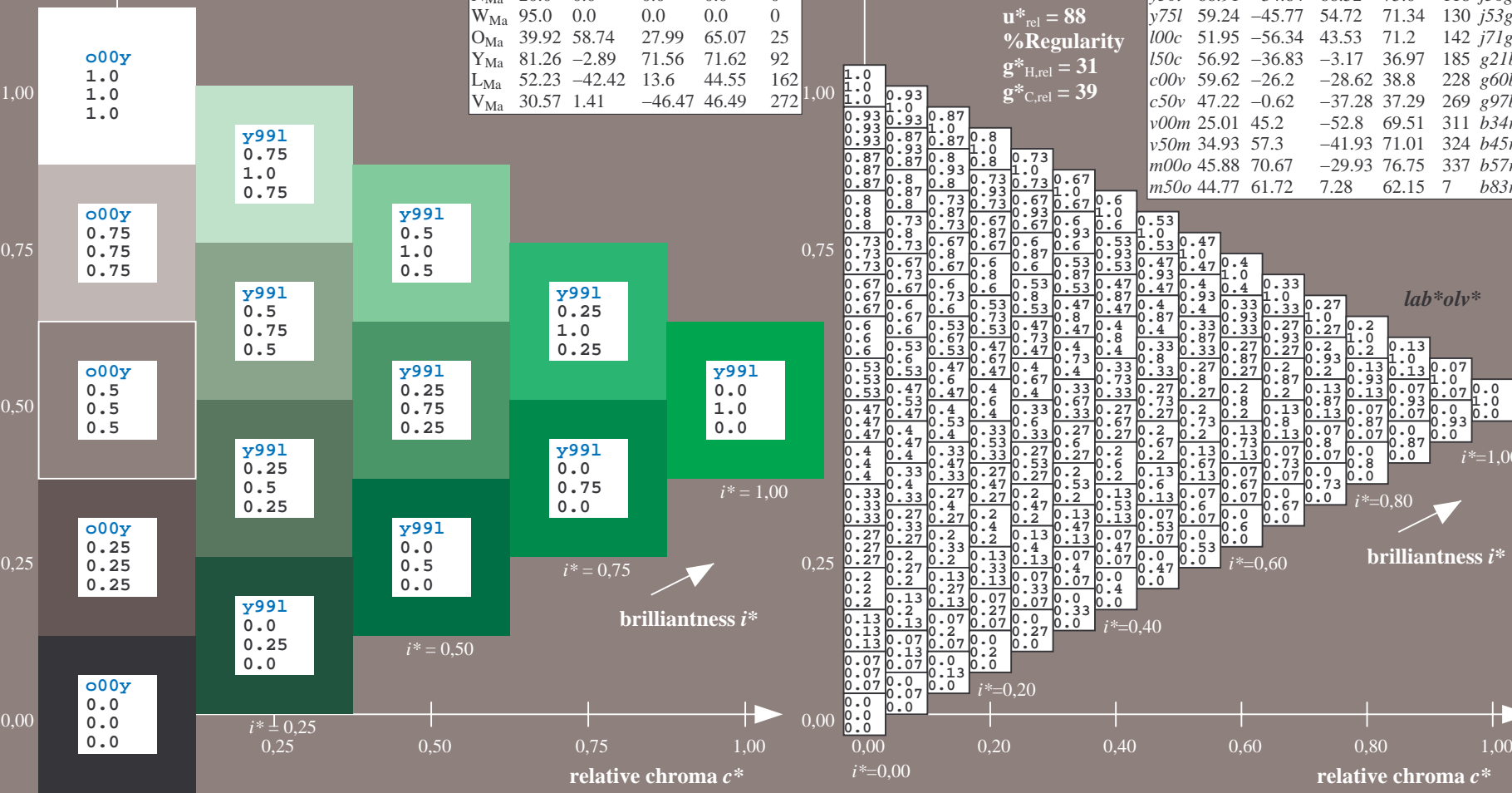
%Regularity

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

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

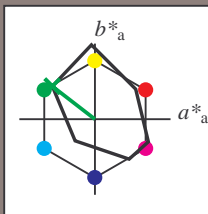
FRS12\_95a; adapted (a) CIELAB data

$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
<i>o00y</i>	43.8	53.91	39.75	66.98	36	<i>r16j</i>
<i>o25y</i>	52.46	42.34	51.32	66.53	50	<i>r37j</i>
<i>o50y</i>	61.53	30.2	63.46	70.28	65	<i>r58j</i>
<i>o75y</i>	72.39	15.68	77.97	79.53	79	<i>r79j</i>
<i>y00l</i>	87.58	-4.65	98.29	98.4	93	<i>j01g</i>
<i>y25l</i>	75.85	-21.67	80.26	83.13	105	<i>j18g</i>
<i>y50l</i>	66.91	-34.64	66.52	75.0	118	<i>j36g</i>
<i>y75l</i>	59.24	-45.77	54.72	71.34	130	<i>j53g</i>
<i>l00c</i>	51.95	-56.34	43.53	71.2	142	<i>j71g</i>
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185	<i>g21b</i>
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228	<i>g60b</i>
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269	<i>g97b</i>
<i>v00m</i>	25.01	45.2	-52.8	69.51	311	<i>b34r</i>
<i>v50m</i>	34.93	57.3	-41.93	71.01	324	<i>b45r</i>
<i>m00o</i>	45.88	70.67	-29.93	76.75	337	<i>b57r</i>
<i>m50o</i>	44.77	61.72	7.28	62.15	7	<i>b83r</i>



Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 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 <sub>Ma</sub>	43.8	53.91	39.75	66.98	36
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0
O <sub>Ma</sub>	39.92	58.74	27.99	65.07	25
Y <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92
L <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162
V <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44

$LAB^*LCH^*_{Ma}$ : 52 71 142

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

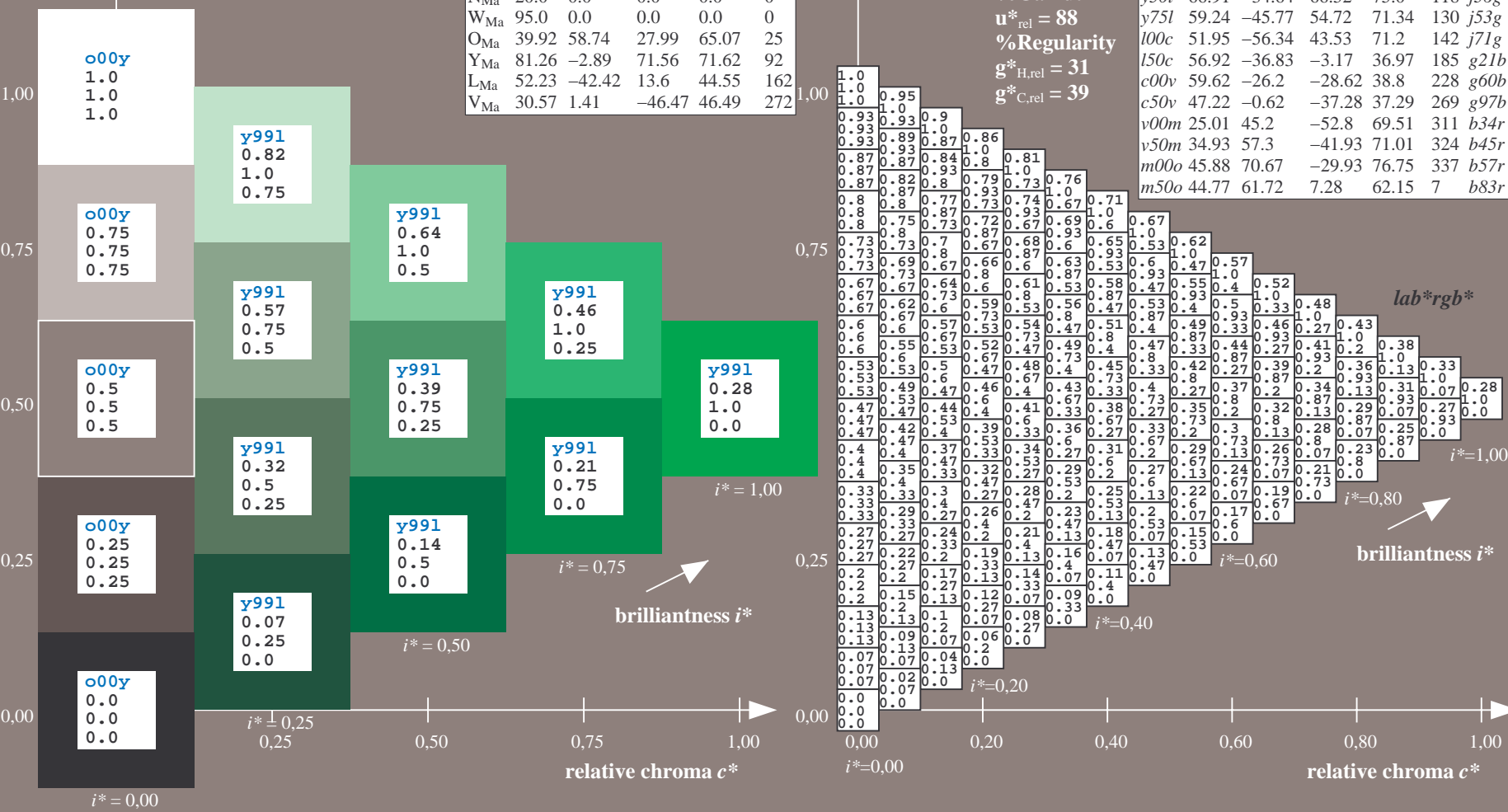
%Regularity

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

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

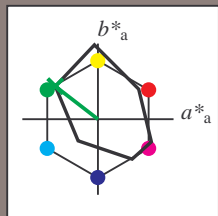
FRS12\_95a; adapted (a) CIELAB data

$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
<i>o00y</i>	43.8	53.91	39.75	66.98	36	<i>r16j</i>
<i>o25y</i>	52.46	42.34	51.32	66.53	50	<i>r37j</i>
<i>o50y</i>	61.53	30.2	63.46	70.28	65	<i>r58j</i>
<i>o75y</i>	72.39	15.68	77.97	79.53	79	<i>r79j</i>
<i>y00l</i>	87.58	-4.65	98.29	98.4	93	<i>j01g</i>
<i>y25l</i>	75.85	-21.67	80.26	83.13	105	<i>j18g</i>
<i>y50l</i>	66.91	-34.64	66.52	75.0	118	<i>j36g</i>
<i>y75l</i>	59.24	-45.77	54.72	71.34	130	<i>j53g</i>
<i>l00c</i>	51.95	-56.34	43.53	71.2	142	<i>j71g</i>
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185	<i>g21b</i>
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228	<i>g60b</i>
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269	<i>g97b</i>
<i>v00m</i>	25.01	45.2	-52.8	69.51	311	<i>b34r</i>
<i>v50m</i>	34.93	57.3	-41.93	71.01	324	<i>b45r</i>
<i>m00o</i>	45.88	70.67	-29.93	76.75	337	<i>b57r</i>
<i>m50o</i>	44.77	61.72	7.28	62.15	7	<i>b83r</i>



Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



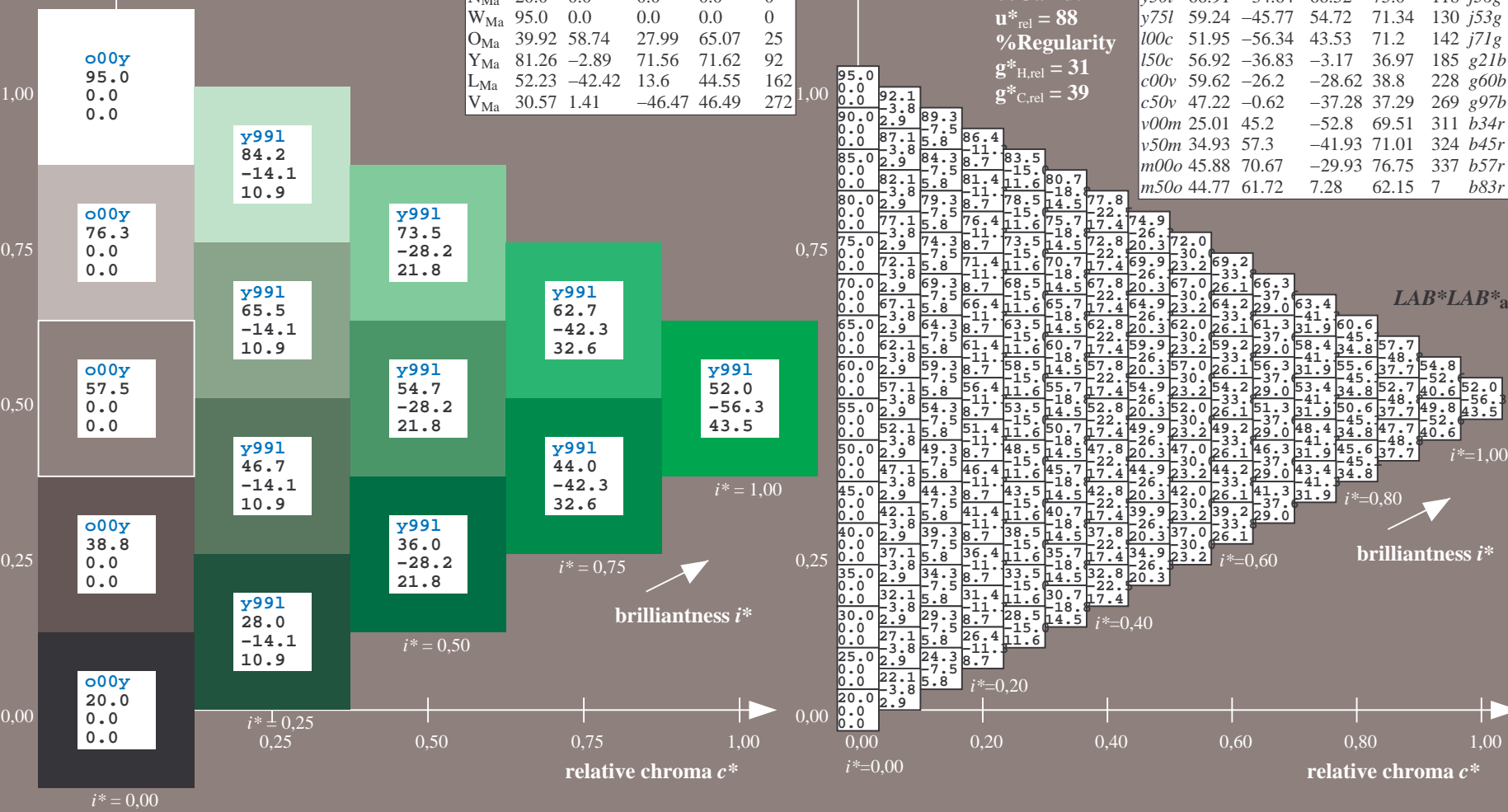
FRS12_95a; adapted (a) CIELAB data						
	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	36
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	93
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	142
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	228
V <sub>Ma</sub>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

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$ : 52 -56 44  
 $LAB^*LCH^*_Ma$ : 52 71 142  
 $lab^*olv^*_Ma$ : 0.0 1.0 0.0  
 $lab^*rgb^*_Ma$ : 0.28 1.0 0.0

FRS12_95a; adapted (a) CIELAB data							
	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
o00y	43.8	53.91	39.75	66.98	36	r16j	
o25y	52.46	42.34	51.32	66.53	60	r37j	
o50y	61.53	30.2	63.46	70.28	65	r58j	
o75y	72.39	15.68	77.97	79.53	79	r79j	
y00l	87.58	-4.65	98.29	98.4	93	j01g	
y25l	75.85	-21.67	80.26	83.13	105	j18g	
y50l	66.91	-34.64	66.52	75.0	118	j36g	
y75l	59.24	-45.77	54.72	71.34	130	j53g	
l00c	51.95	-56.34	43.53	71.2	142	j71g	
l50c	56.92	-36.83	-3.17	36.97	185	g21b	
c00v	59.62	-26.2	-28.62	38.8	228	g60b	
c50v	47.22	-0.62	-37.28	37.29	269	g97b	
v00m	25.01	45.2	-52.8	69.51	311	b34r	
v50m	34.93	57.3	-41.93	71.01	324	b45r	
m00o	45.88	70.67	-29.93	76.75	337	b57r	
m50o	44.77	61.72	7.28	62.15	7	b83r	

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

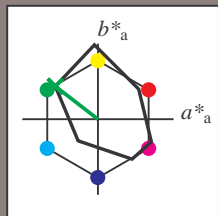


See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Fe.HTM](http://www.ps.bam.de/Fe.HTM)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=rhadata

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



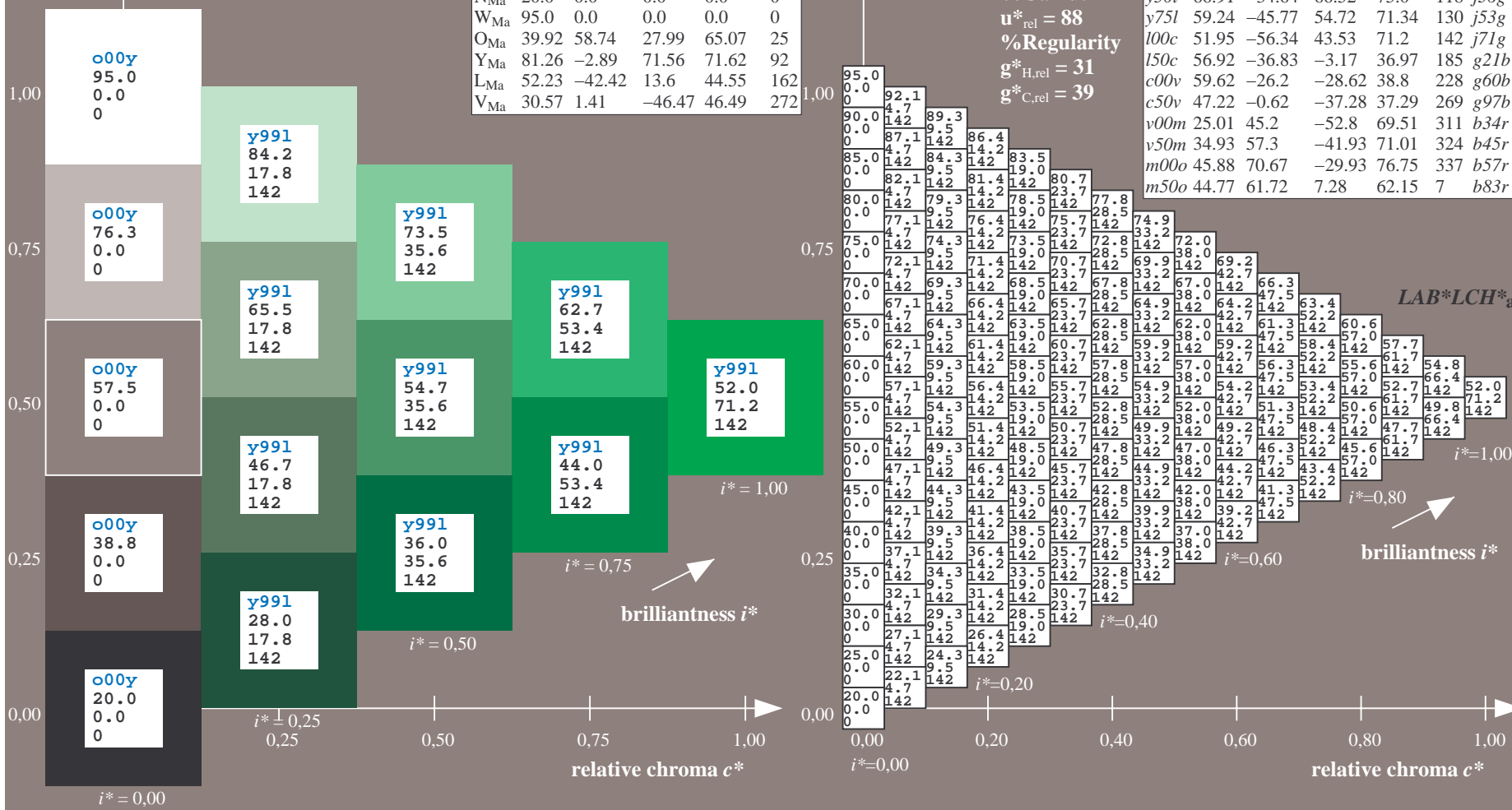
FRS12_95a; adapted (a) CIELAB data						
$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	
O <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0  
 triangle lightness  $t^*$

FRS12_95a; adapted (a) CIELAB data						
$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
o00y	43.8	53.91	39.75	66.98	36	r16j
o25y	52.46	42.34	51.32	66.53	50	r37j
o50y	61.53	30.2	63.46	70.28	65	r58j
o75y	72.39	15.68	77.97	79.53	79	r79j
y00l	87.58	-4.65	98.29	98.4	93	j01g
y25l	75.85	-21.67	80.26	83.13	105	j18g
y50l	66.91	-34.64	66.52	75.0	118	j36g
y75l	59.24	-45.77	54.72	71.34	130	j53g
l00c	51.95	-56.34	43.53	71.2	142	j71g
l50c	56.92	-36.83	-3.17	36.97	185	g21b
c00v	59.62	-26.2	-28.62	38.8	228	g60b
c50v	47.22	-0.62	-37.28	37.29	269	g97b
v00m	25.01	45.2	-52.8	69.51	311	b34r
v50m	34.93	57.3	-41.93	71.01	324	b45r
m00o	45.88	70.67	-29.93	76.75	337	b57r
m50o	44.77	61.72	7.28	62.15	7	b83r

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

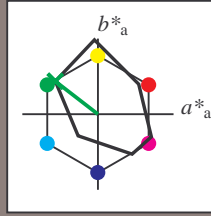


See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Version 2.1, io=1,1, ColSpX=0](http://www.ps.bam.de/Version2.1,io=1,1,ColSpX=0)  
 Technical information: <http://www.ps.bam.de>

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=rhadata

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$

data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$   
Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
contrast reduction factor:  
 $c_R = 0.9$   
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 <sub>Ma</sub>	43.8	53.91	39.75	66.98	36
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0
O <sub>Ma</sub>	39.92	58.74	27.99	65.07	25
Y <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92
L <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162
V <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

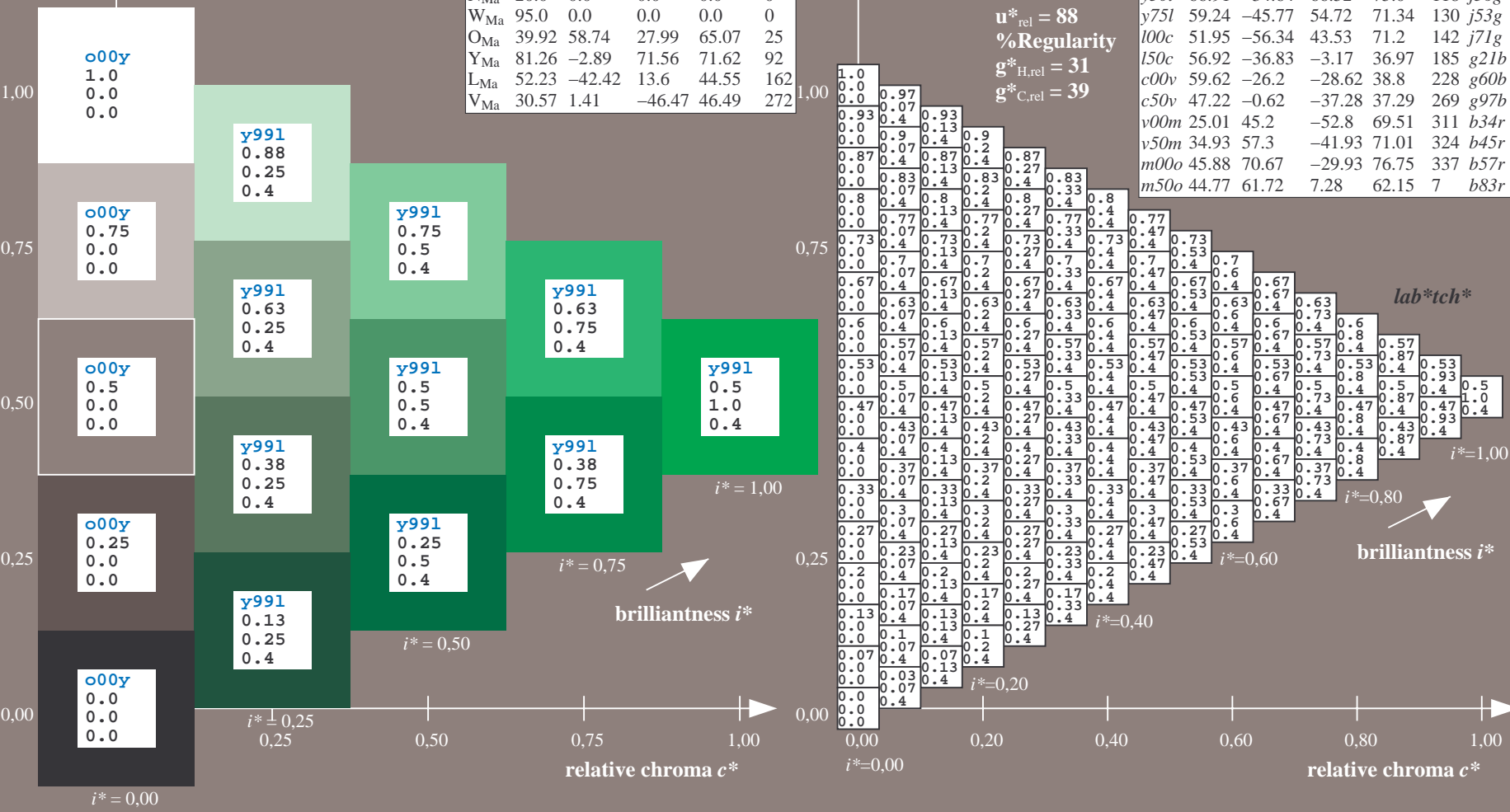
$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0

triangle lightness  $t^*$

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

FRS12\_95a; adapted (a) CIELAB data

$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
o00y	43.8	53.91	39.75	66.98	36	r16j
o25y	52.46	42.34	51.32	66.53	50	r37j
o50y	61.53	30.2	63.46	70.28	65	r58j
o75y	72.39	15.68	77.97	79.53	79	r79j
y00l	87.58	-4.65	98.29	98.4	93	j01g
y25l	75.85	-21.67	80.26	83.13	105	j18g
y50l	66.91	-34.64	66.52	75.0	118	j36g
y75l	59.24	-45.77	54.72	71.34	130	j53g
l00c	51.95	-56.34	43.53	71.2	142	j71g
l50c	56.92	-36.83	-3.17	36.97	185	g21b
c00v	59.62	-26.2	-28.62	38.8	228	g60b
c50v	47.22	-0.62	-37.28	37.29	269	g97b
v00m	25.01	45.2	-52.8	69.51	311	b34r
v50m	34.93	57.3	-41.93	71.01	324	b45r
m00o	45.88	70.67	-29.93	76.75	337	b57r
m50o	44.77	61.72	7.28	62.15	7	b83r

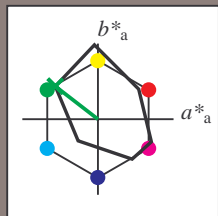


See for similar files: <http://www.ps.bam.de/Fe77/>; <http://www.ps.bam.de/Version2.1,io=1,1,ColSpX=0>

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS  
application for evaluation and measurement of printer or monitor systems  
BAM material: code=rhadata

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}^*/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 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 <sub>Ma</sub>	43.8	53.91	39.75	66.98	36	
Y <sub>Ma</sub>	87.58	-4.65	98.29	98.4	93	
L <sub>Ma</sub>	51.95	-56.34	43.53	71.2	142	
C <sub>Ma</sub>	59.62	-26.2	-28.62	38.8	228	
V <sub>Ma</sub>	25.01	45.2	-52.8	69.51	311	
M <sub>Ma</sub>	45.88	70.67	-29.93	76.75	337	
N <sub>Ma</sub>	20.0	0.0	0.0	0.0	0	
W <sub>Ma</sub>	95.0	0.0	0.0	0.0	0	
O <sub>Ma</sub>	39.92	58.74	27.99	65.07	25	
Y <sub>Ma</sub>	81.26	-2.89	71.56	71.62	92	
L <sub>Ma</sub>	52.23	-42.42	13.6	44.55	162	
V <sub>Ma</sub>	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44

$LAB^*LCH^*_{Ma}$ : 52 71 142

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

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

triangle lightness  $t^*$

%Gamut

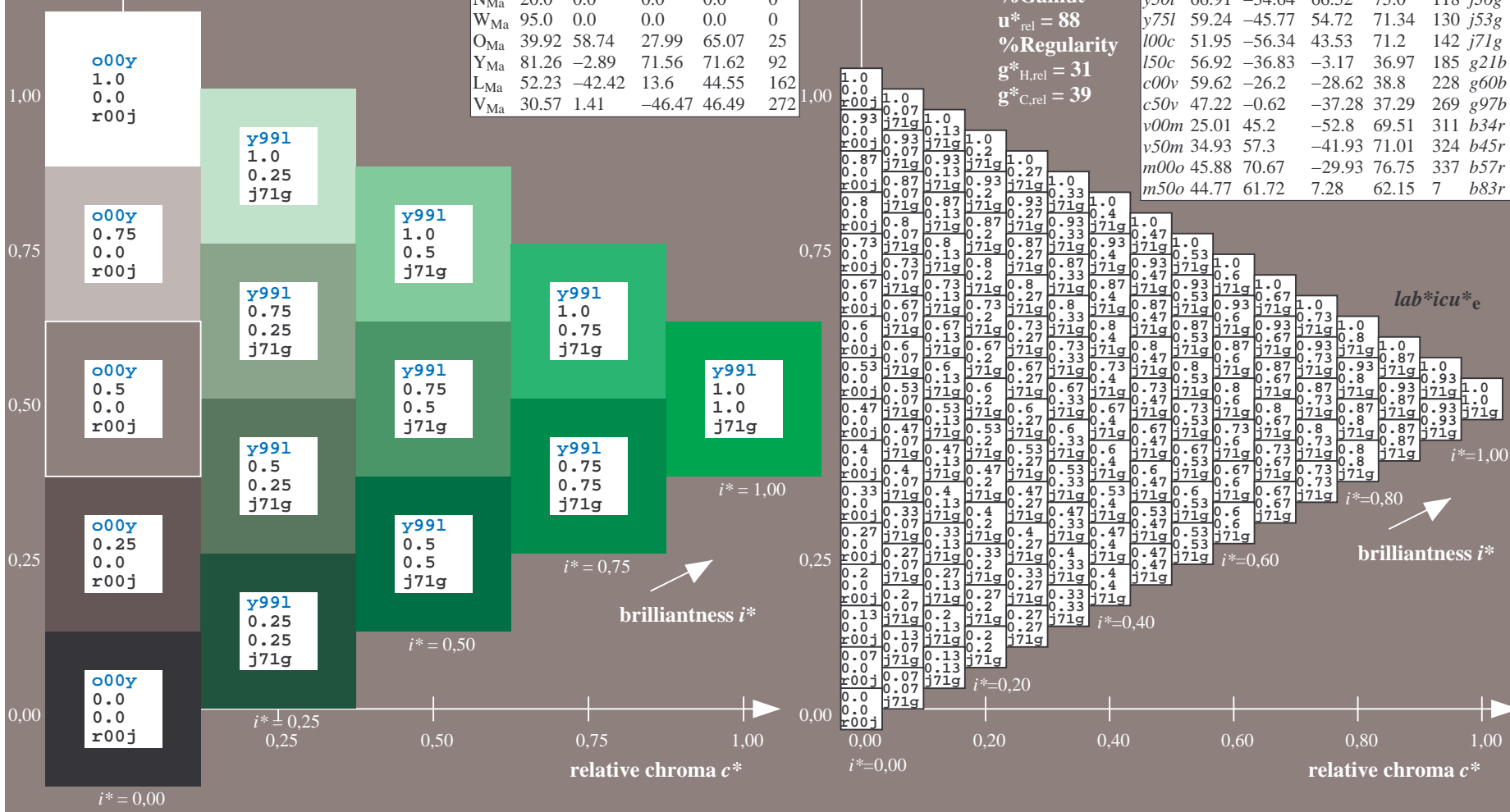
$u^*_{rel} = 88$

%Regularity

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

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

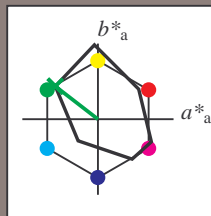
FRS12_95a; adapted (a) CIELAB data						
$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
o00y	43.8	53.91	39.75	66.98	36	r16j
o25y	52.46	42.34	51.32	66.53	60	r37j
o50y	61.53	30.2	63.46	70.28	55	r58j
o75y	72.39	15.68	77.97	79.53	79	r79j
y00l	87.58	-4.65	98.29	98.4	93	j01g
y25l	75.85	-21.67	80.26	83.13	105	j18g
y50l	66.91	-34.64	66.52	75.0	118	j36g
y75l	59.24	-45.77	54.72	71.34	130	j53g
100c	51.95	-56.34	43.53	71.2	142	j71g
l50c	56.92	-36.83	-3.17	36.97	185	g21b
c00v	59.62	-26.2	-28.62	38.8	228	g60b
c50v	47.22	-0.62	-37.28	37.29	269	g97b
v00m	25.01	45.2	-52.8	69.51	311	b34r
v50m	34.93	57.3	-41.93	71.01	324	b45r
m00o	45.88	70.67	-29.93	76.75	337	b57r
m50o	44.77	61.72	7.28	62.15	7	b83r





Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



FRS12\_95; CIELAB data

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

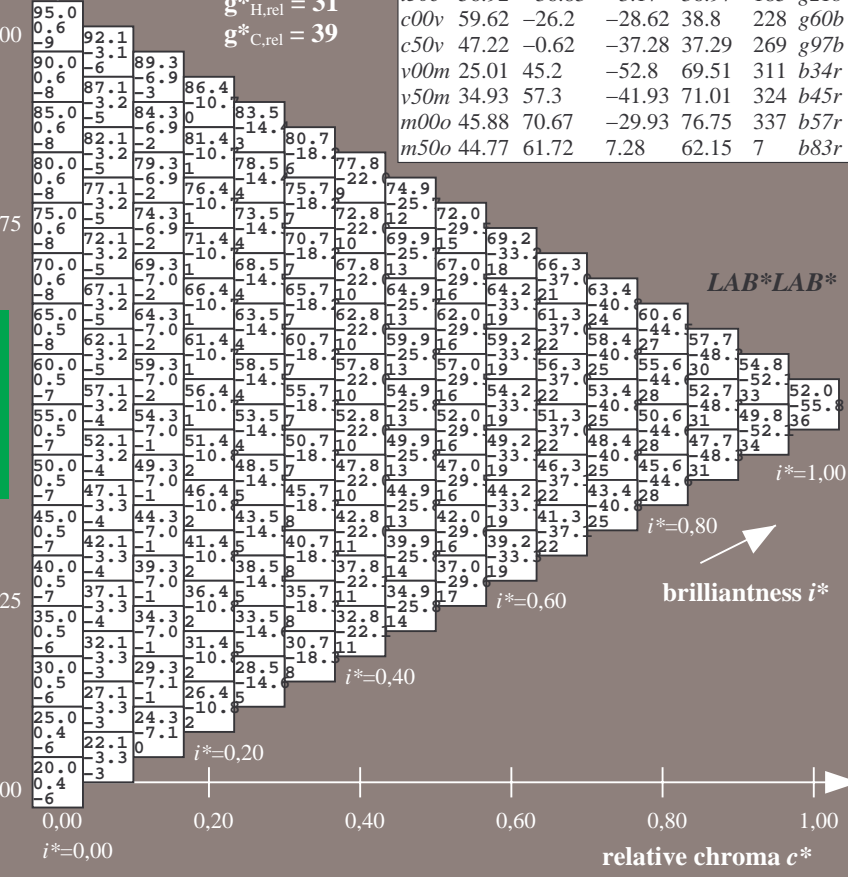
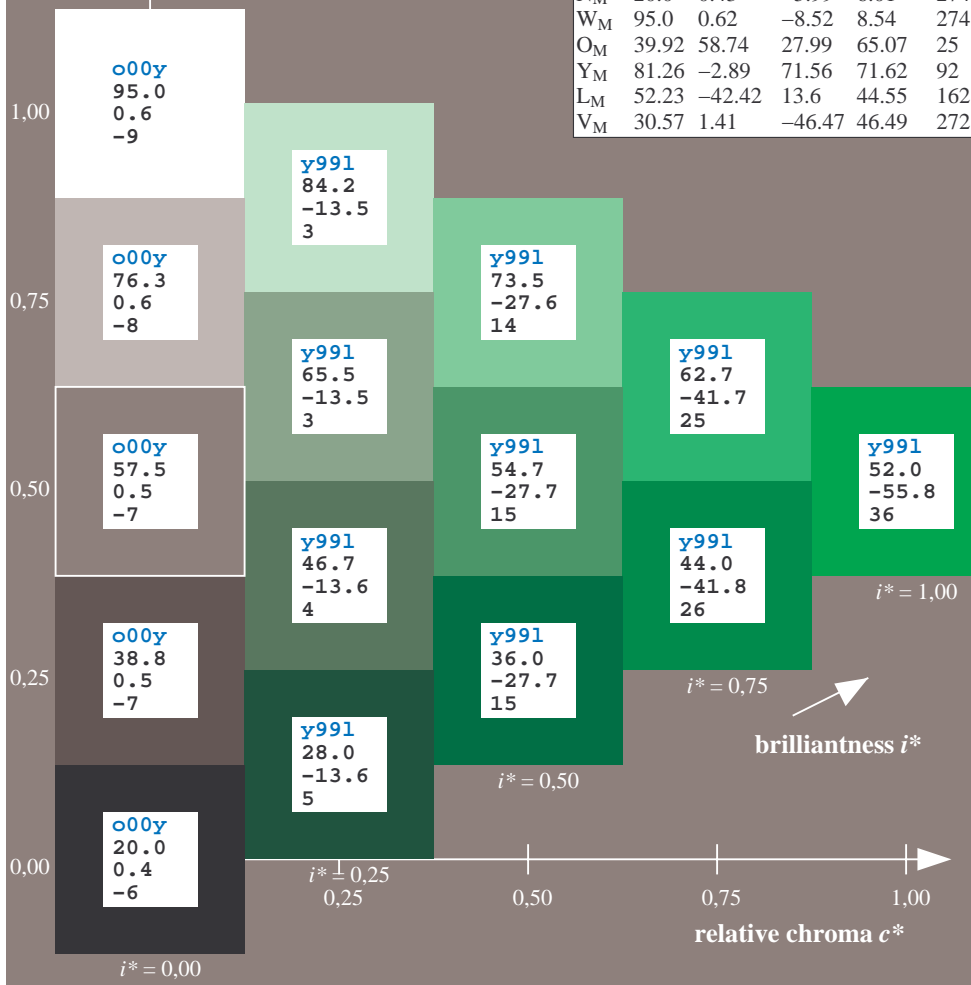
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0

FRS12\_95a; adapted (a) CIELAB data

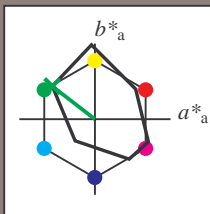
$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
<i>o00y</i>	43.8	53.91	39.75	66.98	36	<i>r16j</i>
<i>o25y</i>	52.46	42.34	51.32	66.53	50	<i>r37j</i>
<i>o50y</i>	61.53	30.2	63.46	70.28	65	<i>r58j</i>
<i>o75y</i>	72.39	15.68	77.97	79.53	79	<i>r79j</i>
<i>y00l</i>	87.58	-4.65	98.29	98.4	93	<i>j01g</i>
<i>y25l</i>	75.85	-21.67	80.26	83.13	105	<i>j18g</i>
<i>y50l</i>	66.91	-34.64	66.52	75.0	118	<i>j36g</i>
<i>y75l</i>	59.24	-45.77	54.72	71.34	130	<i>j53g</i>
<i>l00c</i>	51.95	-56.34	43.53	71.2	142	<i>j71g</i>
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185	<i>g21b</i>
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228	<i>g60b</i>
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269	<i>g97b</i>
<i>v00m</i>	25.01	45.2	-52.8	69.51	311	<i>b34r</i>
<i>v50m</i>	34.93	57.3	-41.93	71.01	324	<i>b45r</i>
<i>m00o</i>	45.88	70.67	-29.93	76.75	337	<i>b57r</i>
<i>m50o</i>	44.77	61.72	7.28	62.15	7	<i>b83r</i>

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



Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*ic_u^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



**FRS12\_95a; CIELAB data**

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44

$LAB^*LCH^*_{Ma}$ : 52 71 142

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

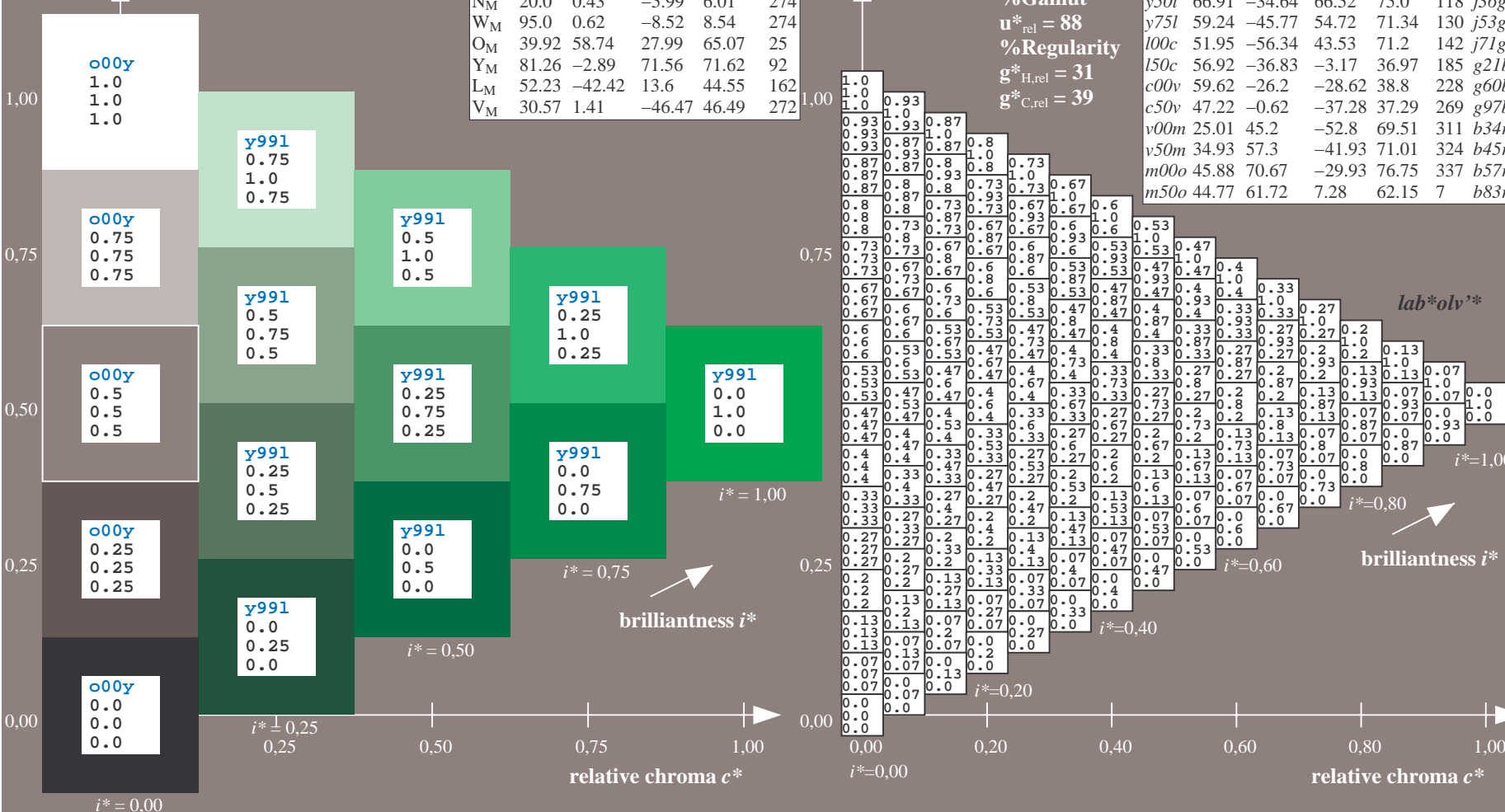
%Regularity

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

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

**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>	43.8	53.91	39.75	66.98	36	<i>r16j</i>
<i>o25y</i>	52.46	42.34	51.32	66.53	60	<i>r37j</i>
<i>o50y</i>	61.53	30.2	63.46	70.28	55	<i>r58j</i>
<i>o75y</i>	72.39	15.68	77.97	79.53	79	<i>r79j</i>
<i>y00l</i>	87.58	-4.65	98.29	98.4	93	<i>j01g</i>
<i>y25l</i>	75.85	-21.67	80.26	83.13	105	<i>j18g</i>
<i>y50l</i>	66.91	-34.64	66.52	75.0	118	<i>j36g</i>
<i>y75l</i>	59.24	-45.77	54.72	71.34	130	<i>j53g</i>
<i>l00c</i>	51.95	-56.34	43.53	71.2	142	<i>j71g</i>
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185	<i>g21b</i>
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228	<i>g60b</i>
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269	<i>g97b</i>
<i>v00m</i>	25.01	45.2	-52.8	69.51	311	<i>b34r</i>
<i>v50m</i>	34.93	57.3	-41.93	71.01	324	<i>b45r</i>
<i>m00o</i>	45.88	70.67	-29.93	76.75	337	<i>b57r</i>
<i>m50o</i>	44.77	61.72	7.28	62.15	7	<i>b83r</i>

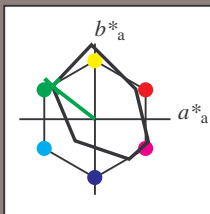


See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Fe77/](http://www.ps.bam.de/Fe77/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS BAM material: code=rhadata  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a, L\*=20\_95 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.395$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = 100c$   $u^*_e = j71g$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



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

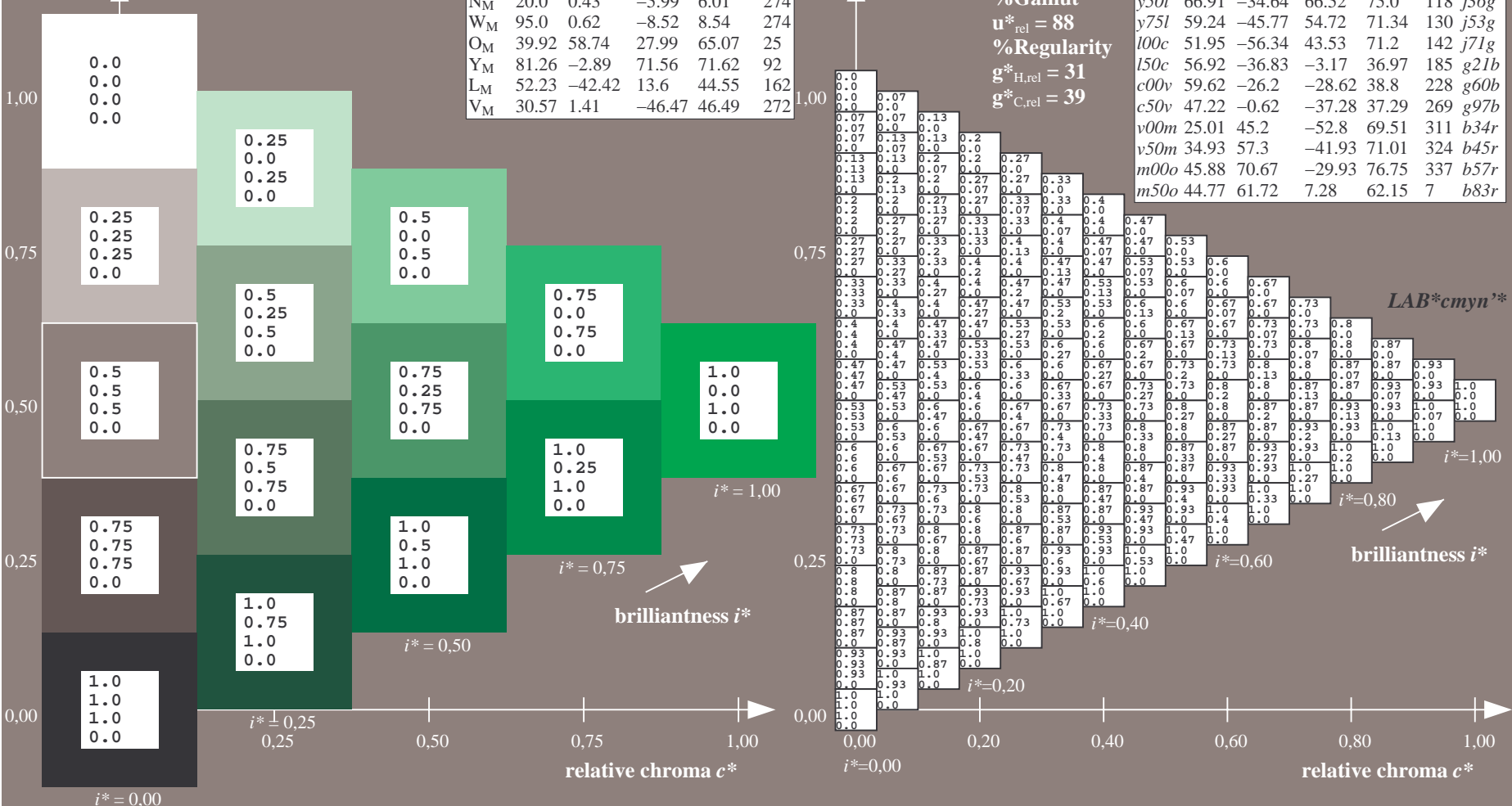
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 52 -56 44  
 $LAB^*LCH^*_{Ma}$ : 52 71 142  
 $lab^*olv^*_{Ma}$ : 0.0 1.0 0.0  
 $lab^*rgb^*_{Ma}$ : 0.28 1.0 0.0

triangle lightness  $t^*$

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

FRS12_95a; adapted (a) CIELAB data							
$u^*_d$	$L^*=L^*$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$	
<i>o00y</i>	43.8	53.91	39.75	66.98	36	<i>r16j</i>	
<i>o25y</i>	52.46	42.34	51.32	66.53	60	<i>r37j</i>	
<i>o50y</i>	61.53	30.2	63.46	70.28	65	<i>r58j</i>	
<i>o75y</i>	72.39	15.68	77.97	79.53	79	<i>r79j</i>	
<i>y00l</i>	87.58	-4.65	98.29	98.4	93	<i>j01g</i>	
<i>y25l</i>	75.85	-21.67	80.26	83.13	105	<i>j18g</i>	
<i>y50l</i>	66.91	-34.64	66.52	75.0	118	<i>j36g</i>	
<i>y75l</i>	59.24	-45.77	54.72	71.34	130	<i>j53g</i>	
<i>l00c</i>	51.95	-56.34	43.53	71.2	142	<i>j71g</i>	
<i>l50c</i>	56.92	-36.83	-3.17	36.97	185	<i>g21b</i>	
<i>c00v</i>	59.62	-26.2	-28.62	38.8	228	<i>g60b</i>	
<i>c50v</i>	47.22	-0.62	-37.28	37.29	269	<i>g97b</i>	
<i>v00m</i>	25.01	45.2	-52.8	69.51	311	<i>b34r</i>	
<i>v50m</i>	34.93	57.3	-41.93	71.01	324	<i>b45r</i>	
<i>m00o</i>	45.88	70.67	-29.93	76.75	337	<i>b57r</i>	
<i>m50o</i>	44.77	61.72	7.28	62.15	7	<i>b83r</i>	



See for similar files: <http://www.ps.bam.de/Fe77/>; [www.ps.bam.de/Version 2.1, io=1,1, ColSpx=0](http://www.ps.bam.de/Version2.1,io=1,1,ColSpx=0)  
 Technical information: <http://www.ps.bam.de>

BAM registration: 20081001-Fe77/10L/L77e00NP.PDF/ .PS  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=rhadata