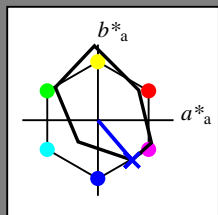


Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$

$u^*_d = v00m$

data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$   
 Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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):

$LAB^*LAB^*_{Ma}$ : 25 45 -53

$LAB^*LCH^*_{Ma}$ : 25 70 310

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

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

triangle lightness  $t^*$

%Gamut

$u^*_{rel} = 88$

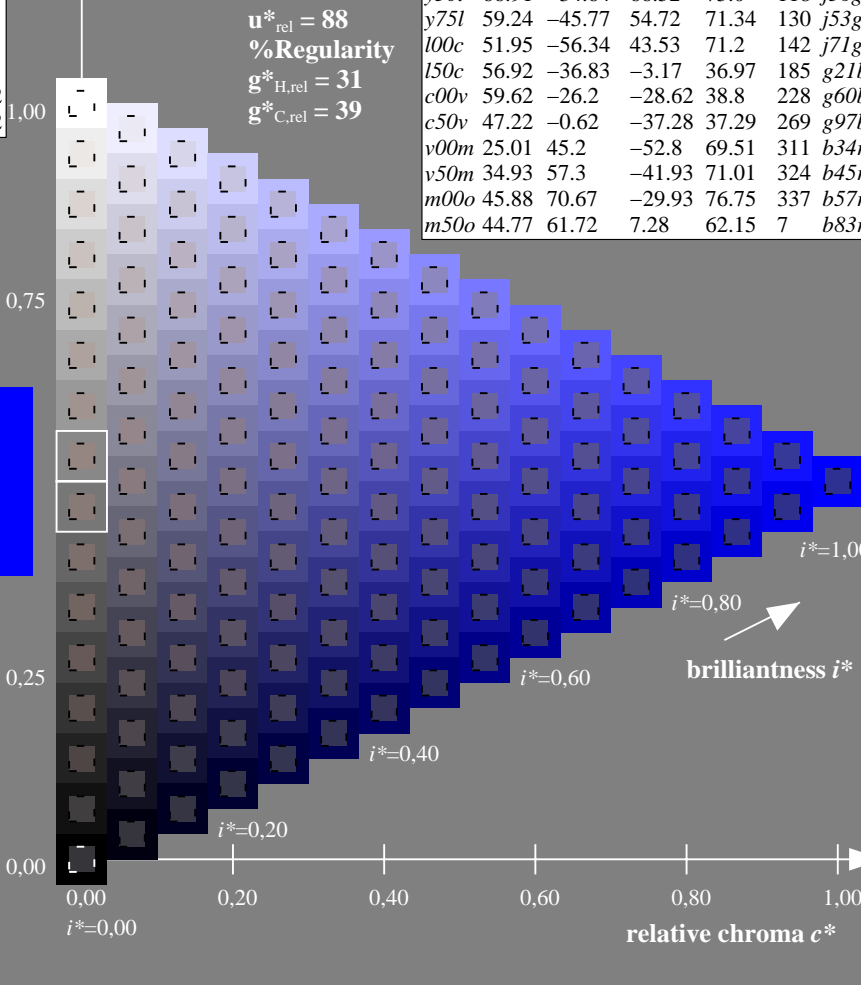
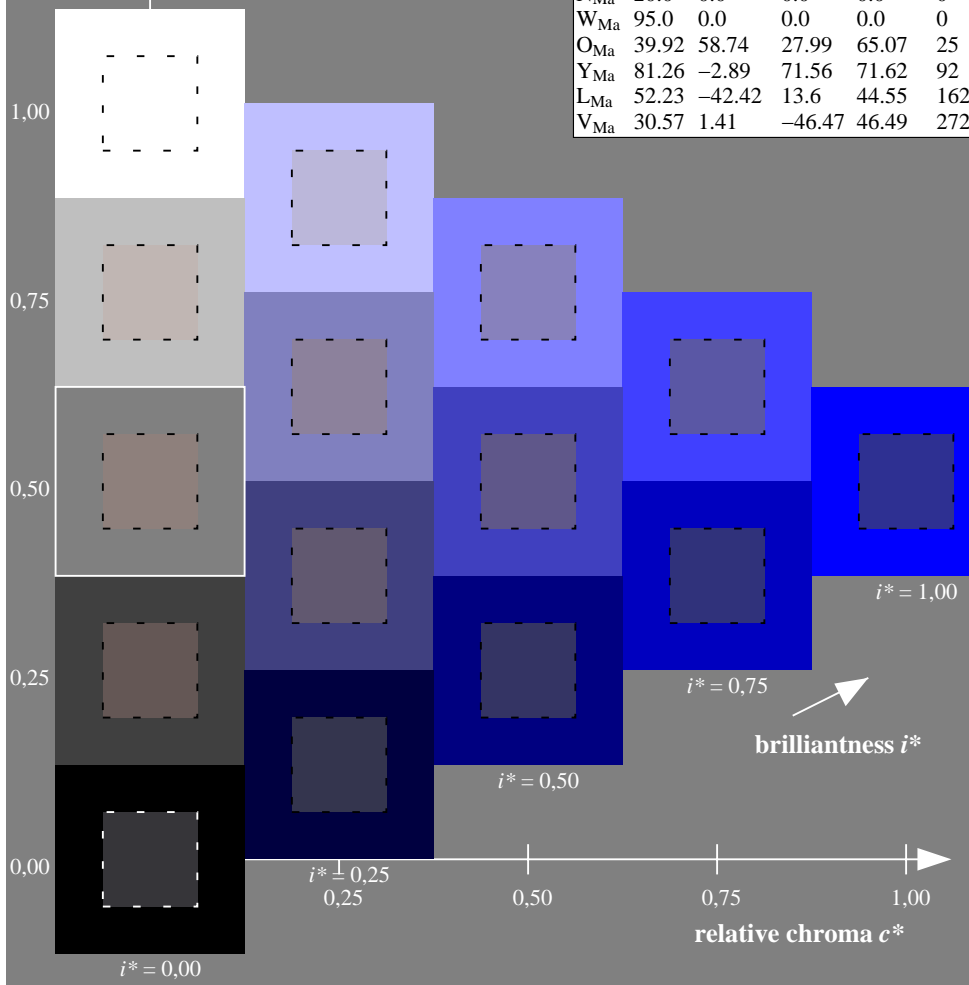
%Regularity

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

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

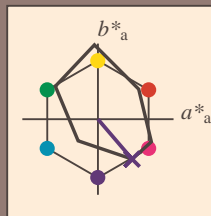
**FRS12\_95a; adapted (a) CIELAB data**

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
<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 for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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

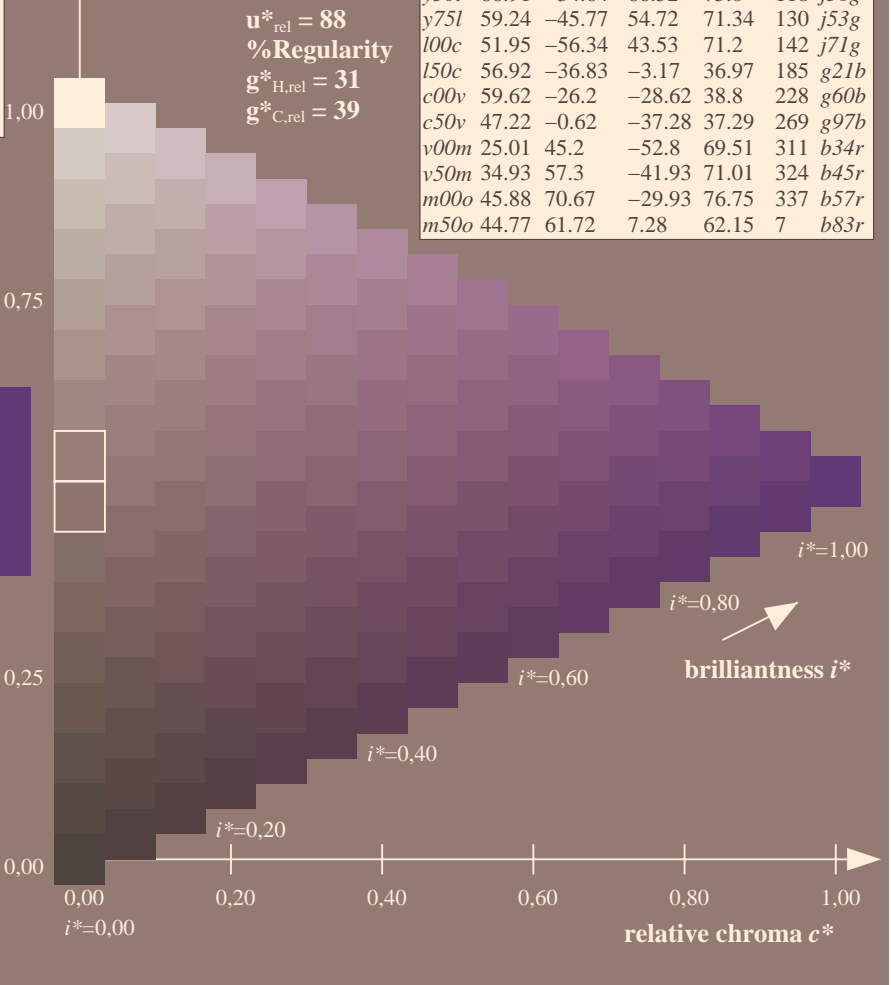
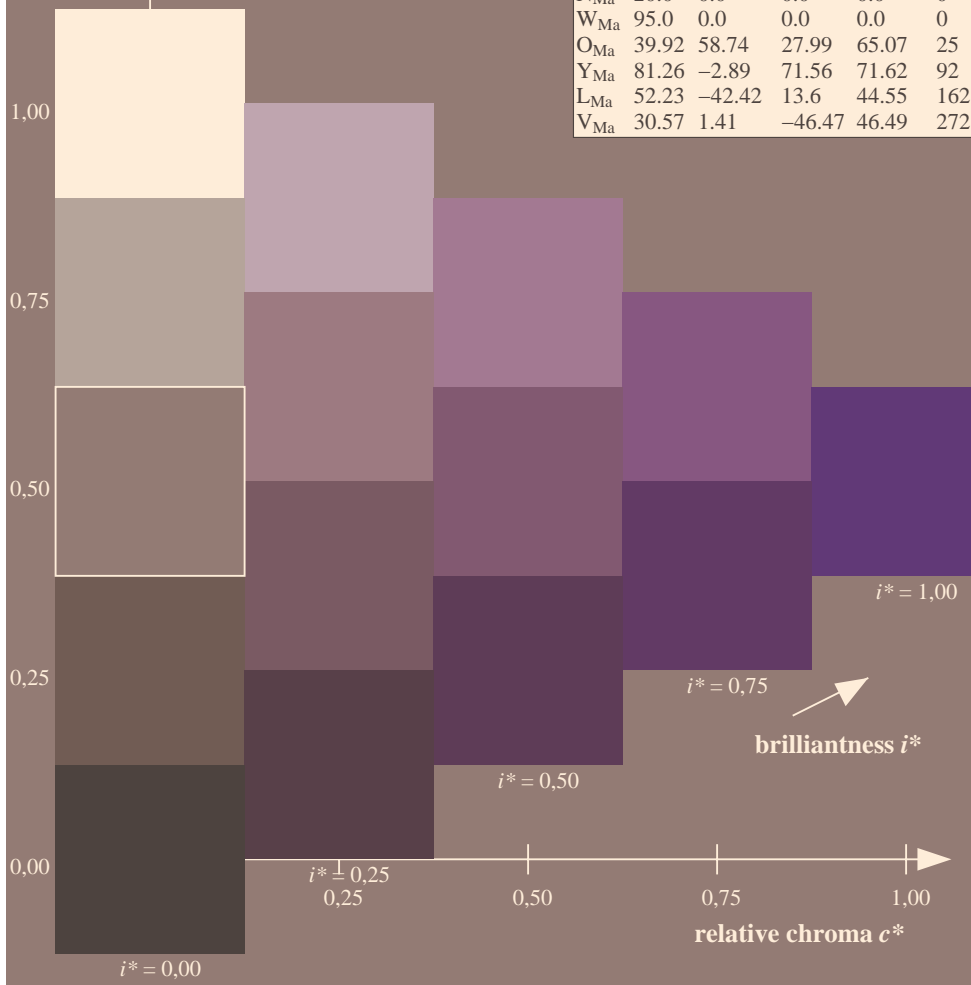
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 25 45 -53  
 $LAB^*LCH^*_{Ma}$ : 25 70 310  
 $lab^*olv^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*rgb^*_{Ma}$ : 0.68 0.0 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	43.8	53.91	39.75	66.98	36	36	r16j
o25y	52.46	42.34	51.32	66.53	50	50	r37j
o50y	61.53	30.2	63.46	70.28	65	65	r58j
o75y	72.39	15.68	77.97	79.53	79	79	r79j
y00l	87.58	-4.65	98.29	98.4	93	93	j01g
y25l	75.85	-21.67	80.26	83.13	105	105	j18g
y50l	66.91	-34.64	66.52	75.0	118	118	j36g
y75l	59.24	-45.77	54.72	71.34	130	130	j53g
l00c	51.95	-56.34	43.53	71.2	142	142	j71g
l50c	56.92	-36.83	-3.17	36.97	185	185	g21b
c00v	59.62	-26.2	-28.62	38.8	228	228	g60b
c50v	47.22	-0.62	-37.28	37.29	269	269	g97b
v00m	25.01	45.2	-52.8	69.51	311	311	b34r
v50m	34.93	57.3	-41.93	71.01	324	324	b45r
m00o	45.88	70.67	-29.93	76.75	337	337	b57r
m50o	44.77	61.72	7.28	62.15	7	7	b83r

triangle lightness  $t^*$

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

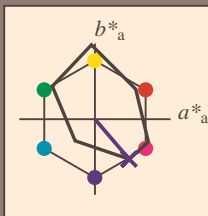


See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/); [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	

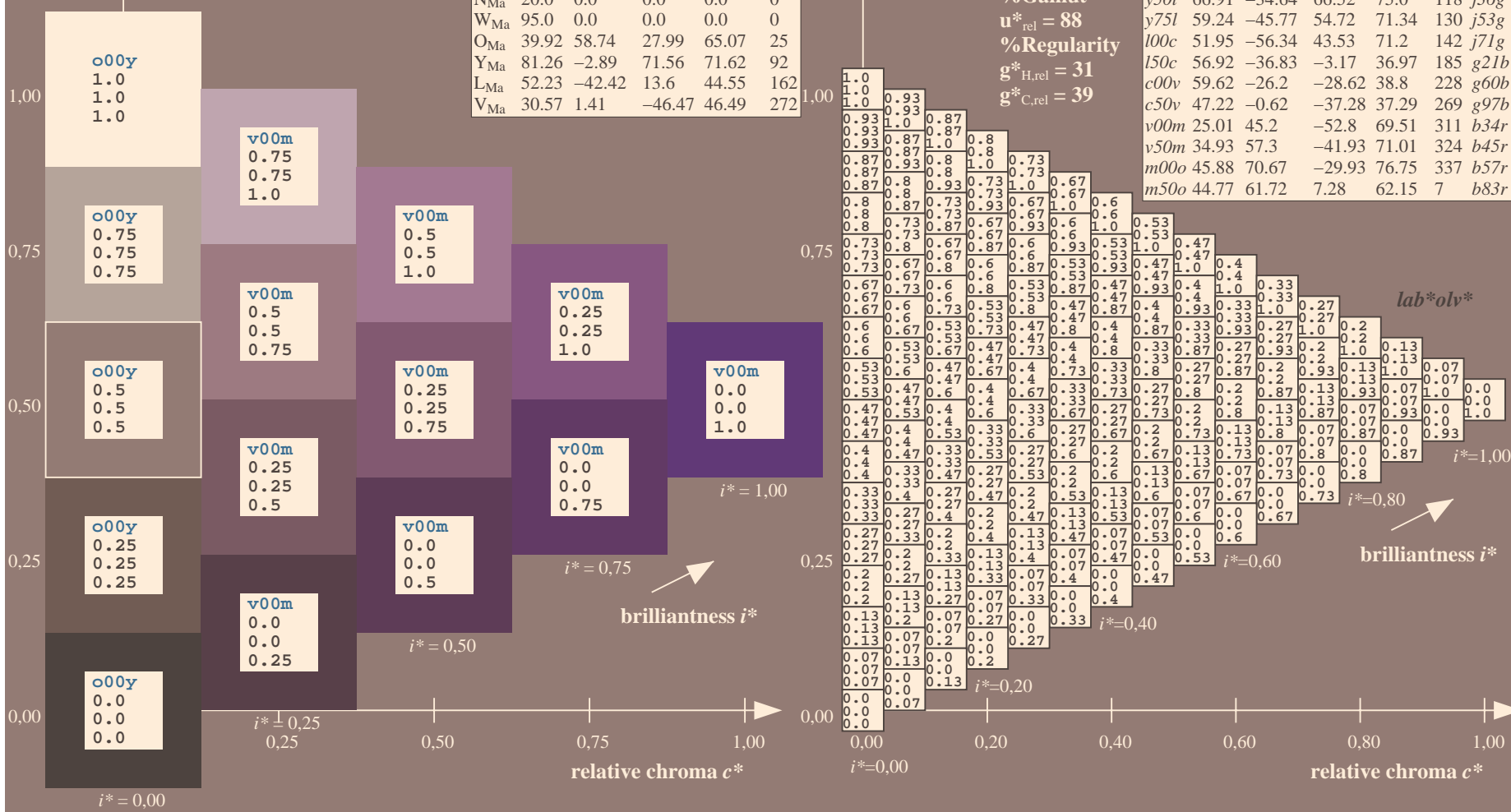
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 25 45 -53  
 $LAB^*LCH^*_{Ma}$ : 25 70 310  
 $lab^*olv^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*rgb^*_{Ma}$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 88$   
 %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

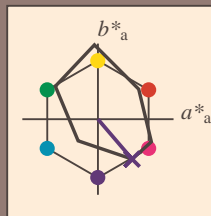


See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/); [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	

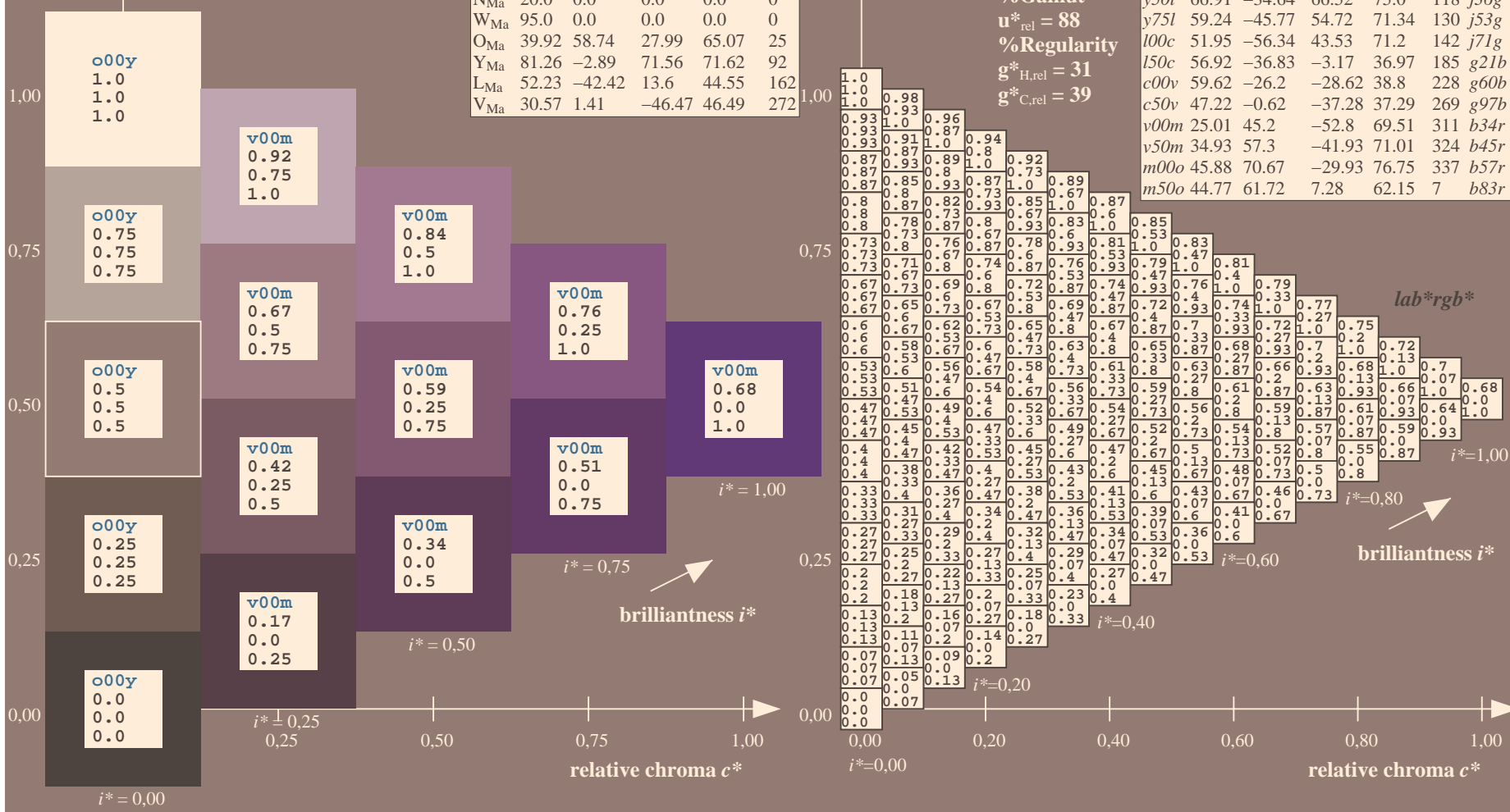
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 25 45 -53  
 $LAB^*LCH^*_{Ma}$ : 25 70 310  
 $lab^*olv^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*rgb^*_{Ma}$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

FRS12\_95a; adapted (a) CIELAB data

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

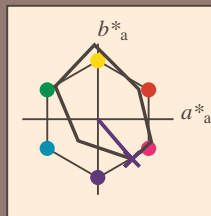


See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de](http://www.ps.bam.de) Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	

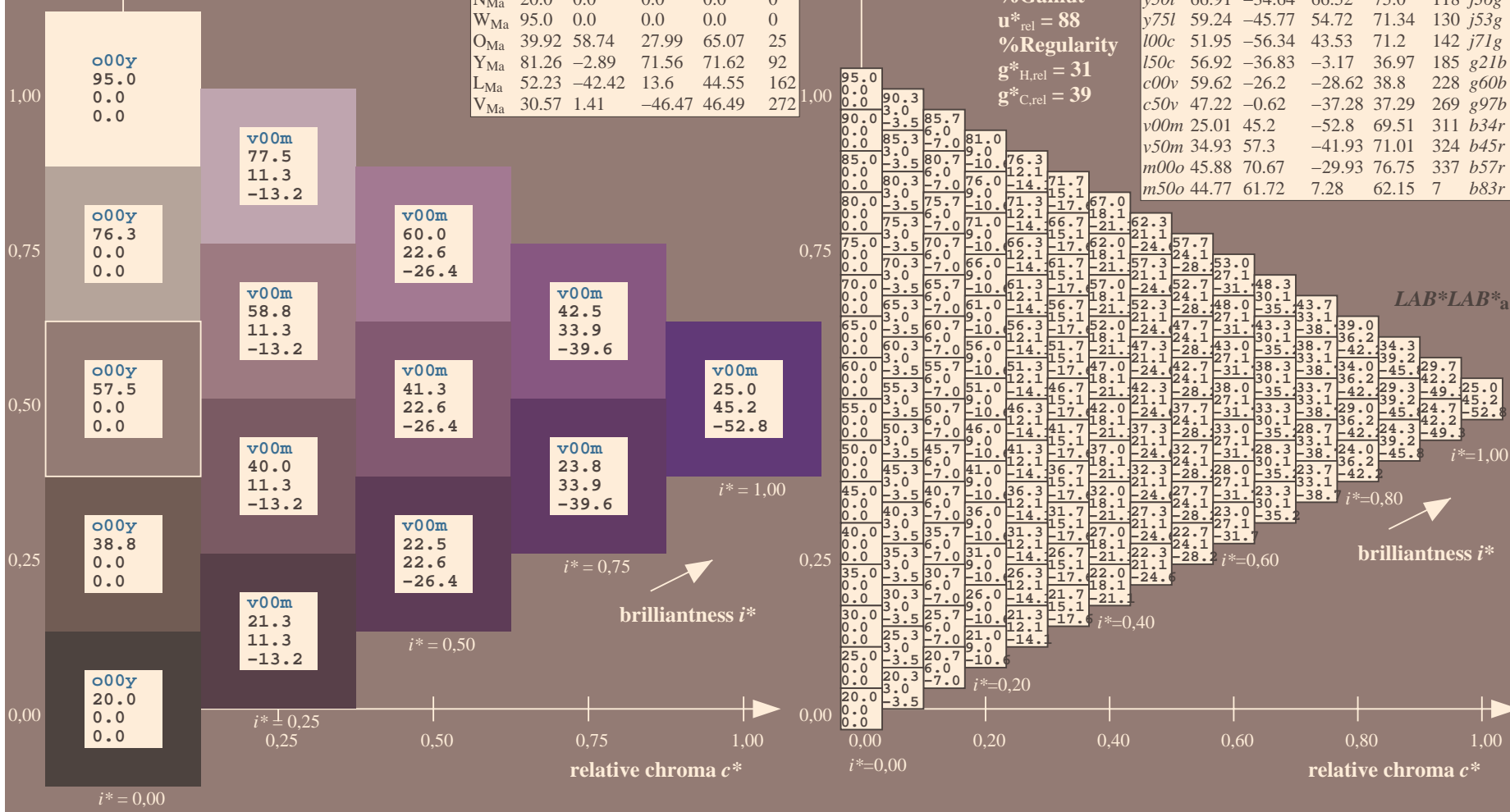
Data for maximum colour (Ma):

$LAB^*LAB^*_Ma: 25\ 45\ -53$   
 $LAB^*LCH^*_Ma: 25\ 70\ 310$   
 $lab^*olv^*_Ma: 0.0\ 0.0\ 1.0$   
 $lab^*rgb^*_Ma: 0.68\ 0.0\ 1.0$   
 triangle lightness  $t^*$

FRS12\_95a; adapted (a) CIELAB data

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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
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  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

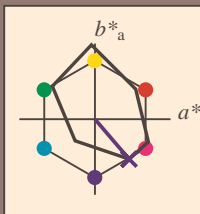


See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/); [www.ps.bam.de/Fe78/](http://www.ps.bam.de/Fe78/)  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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):

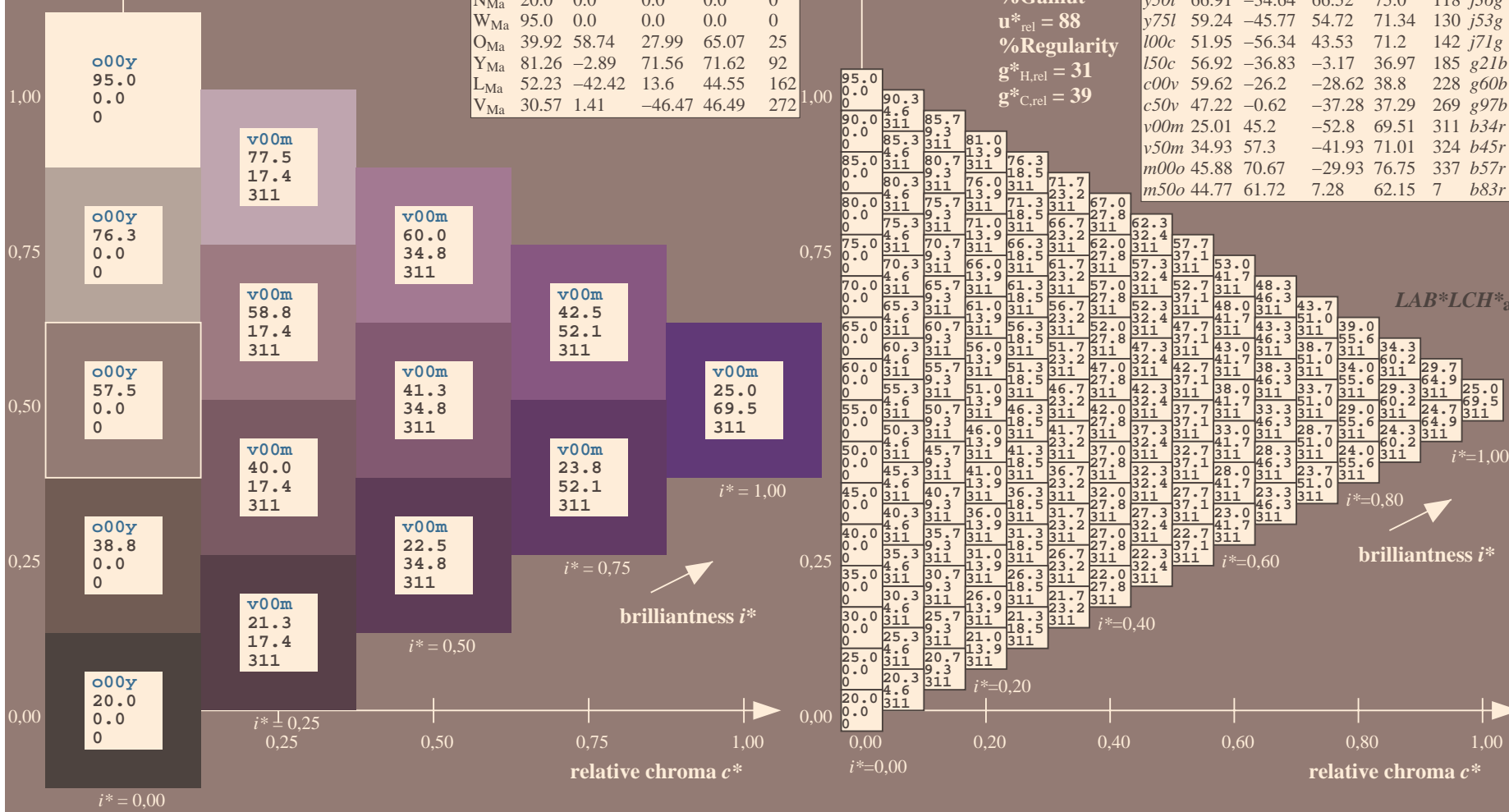
$LAB^*LAB^*_{Ma}$ : 25 45 -53  
 $LAB^*LCH^*_{Ma}$ : 25 70 310  
 $lab^*olv^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*rgb^*_{Ma}$ : 0.68 0.0 1.0

triangle lightness  $t^*$

%Gamut  
 $u^*_{rel} = 88$   
 %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

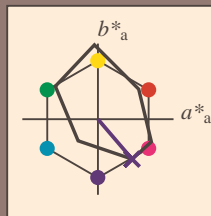


See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de/Fe78/10L/L78e00FP.PDF/](http://www.ps.bam.de/Fe78/10L/L78e00FP.PDF/).PS  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	

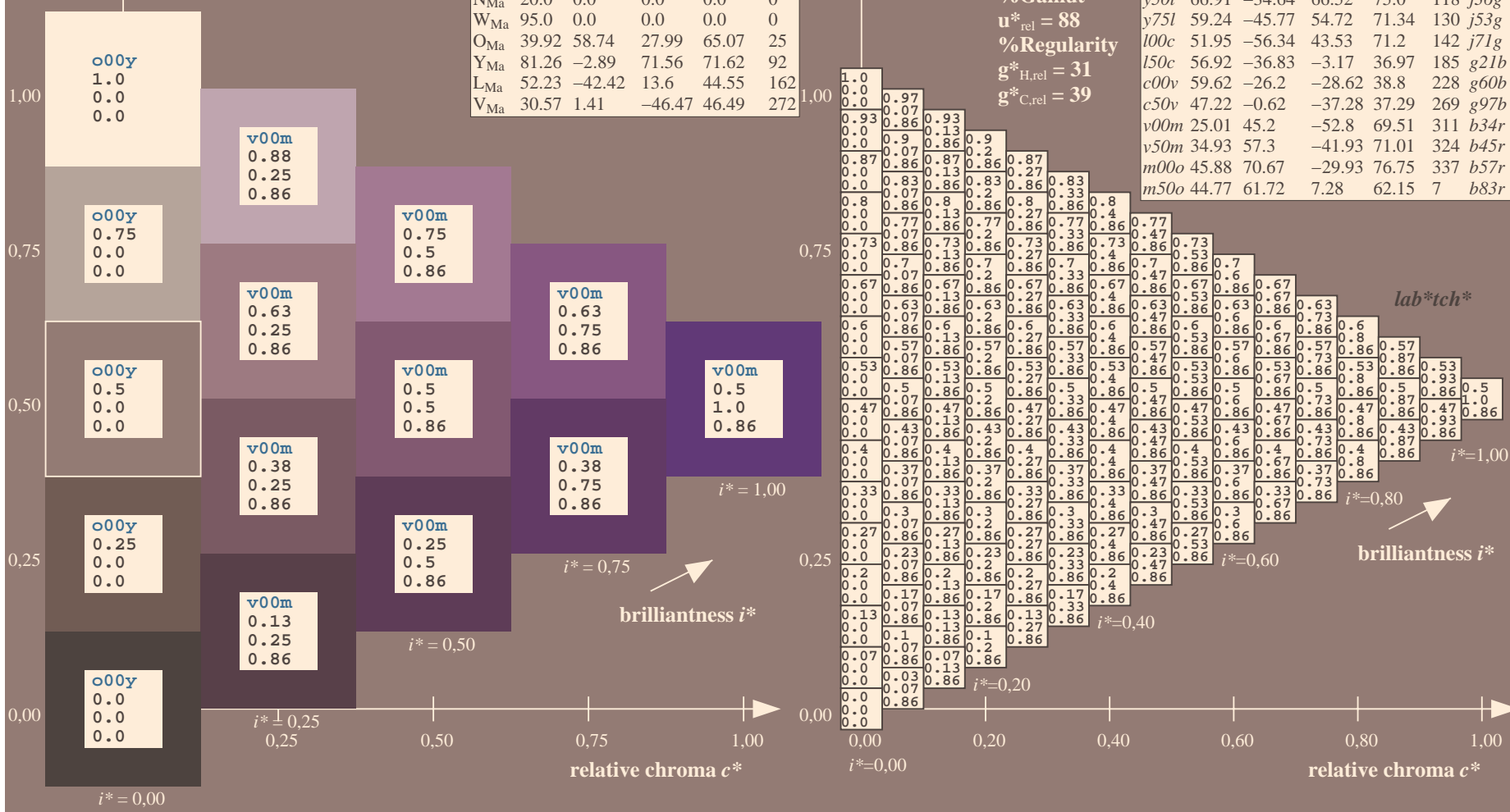
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$ : 25 45 -53  
 $LAB^*LCH^*_{Ma}$ : 25 70 310  
 $lab^*olv^*_{Ma}$ : 0.0 0.0 1.0  
 $lab^*rgb^*_{Ma}$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

FRS12\_95a; adapted (a) CIELAB data

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

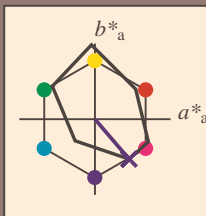


See for similar files: <http://www.ps.bam.de/Fe78/>; <http://www.ps.bam.de/Version2.1,io=1,1,CIELAB,ColSpX=0>  
 Technical information: <http://www.ps.bam.de>

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=rh4ta

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	

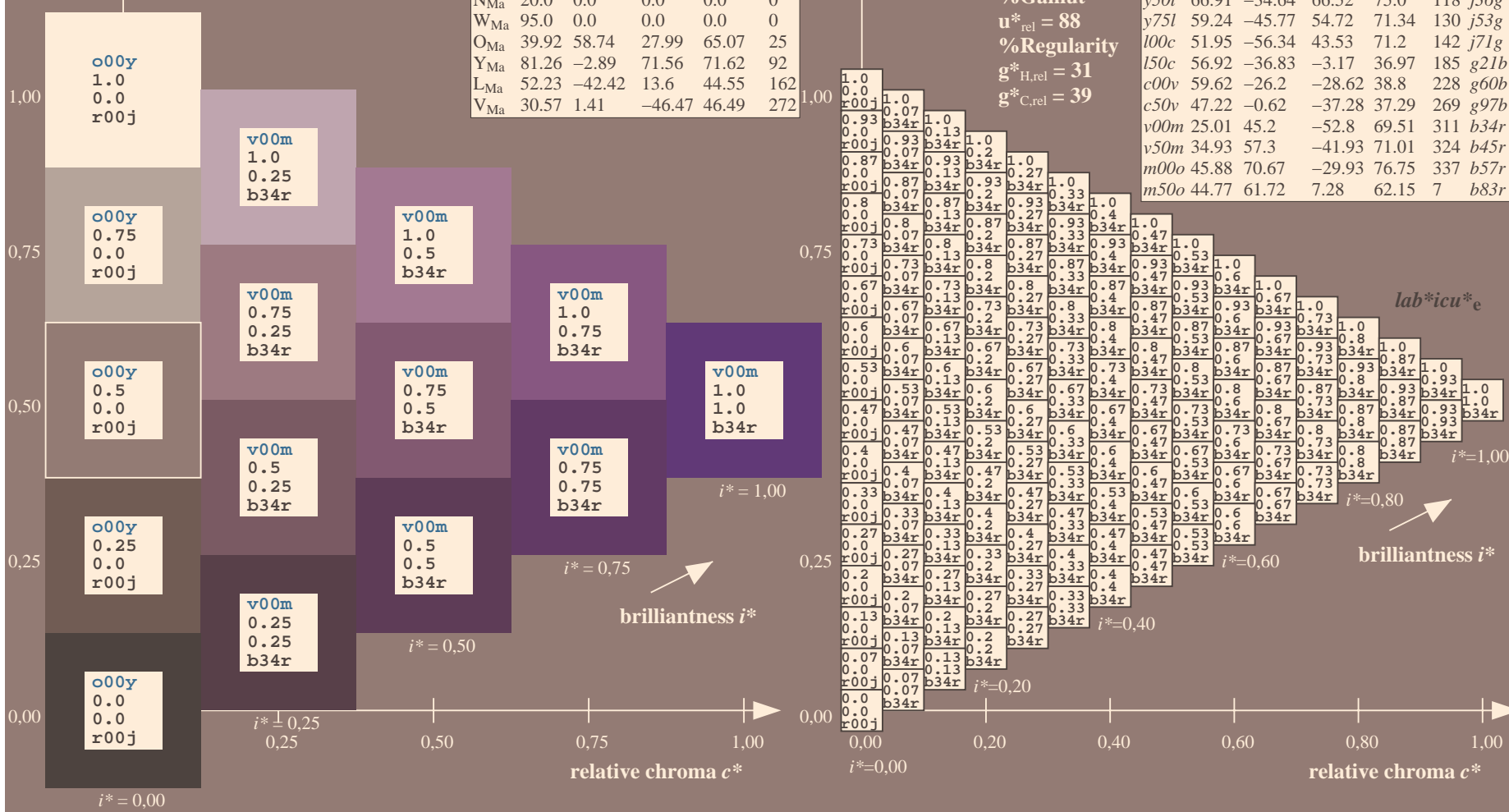
Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$ : 25 45 -53  
 $LAB^*LCH^*_Ma$ : 25 70 310  
 $lab^*olv^*_Ma$ : 0.0 0.0 1.0  
 $lab^*rgb^*_Ma$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

FRS12\_95a; adapted (a) CIELAB data

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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
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

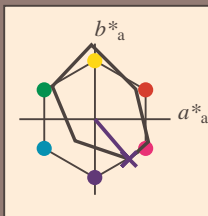
%Gamut  
 $u^*_{rel} = 88$   
 %Regularity  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$





Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 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	63.61	31
Y <sub>M</sub>	87.58	-4.04	90.02	90.11	90.11	93
L <sub>M</sub>	51.95	-55.83	36.46	66.68	66.68	147
C <sub>M</sub>	59.62	-25.67	-35.94	44.17	44.17	234
V <sub>M</sub>	25.01	45.64	-58.96	74.57	74.57	308
M <sub>M</sub>	45.88	71.17	-36.79	80.12	80.12	333
N <sub>M</sub>	20.0	0.43	-5.99	6.01	6.01	274
W <sub>M</sub>	95.0	0.62	-8.52	8.54	8.54	274
O <sub>M</sub>	39.92	58.74	27.99	65.07	65.07	25
Y <sub>M</sub>	81.26	-2.89	71.56	71.62	71.62	92
L <sub>M</sub>	52.23	-42.42	13.6	44.55	44.55	162
V <sub>M</sub>	30.57	1.41	-46.47	46.49	46.49	272

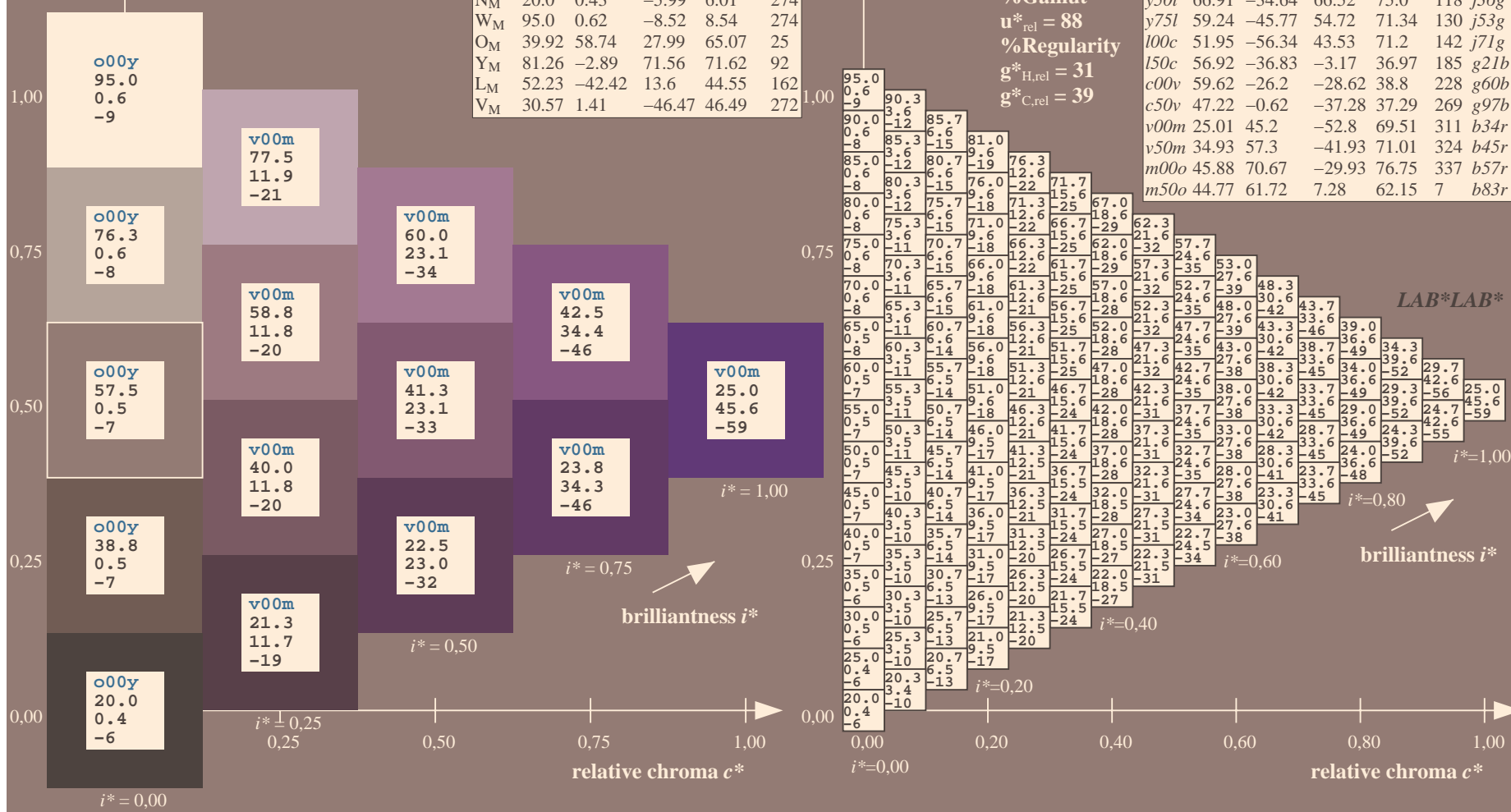
Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}: 25\ 45\ -53$   
 $LAB^*LCH^*_{Ma}: 25\ 70\ 310$   
 $lab^*olv^*_{Ma}: 0.0\ 0.0\ 1.0$   
 $lab^*rgb^*_{Ma}: 0.68\ 0.0\ 1.0$   
 triangle lightness  $t^*$

**FRS12\_95a; adapted (a) CIELAB data**

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

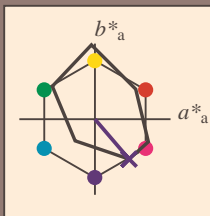


See for similar files: <http://www.ps.bam.de/Fe78/>; <http://www.ps.bam.de/Version2.1,io=1,1,CIELAB,ColSpX=0>

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS  
 application for evaluation and measurement of printer or monitor systems  
 BAM material: code=rh4ta

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



FRS12\_95a; CIELAB data

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

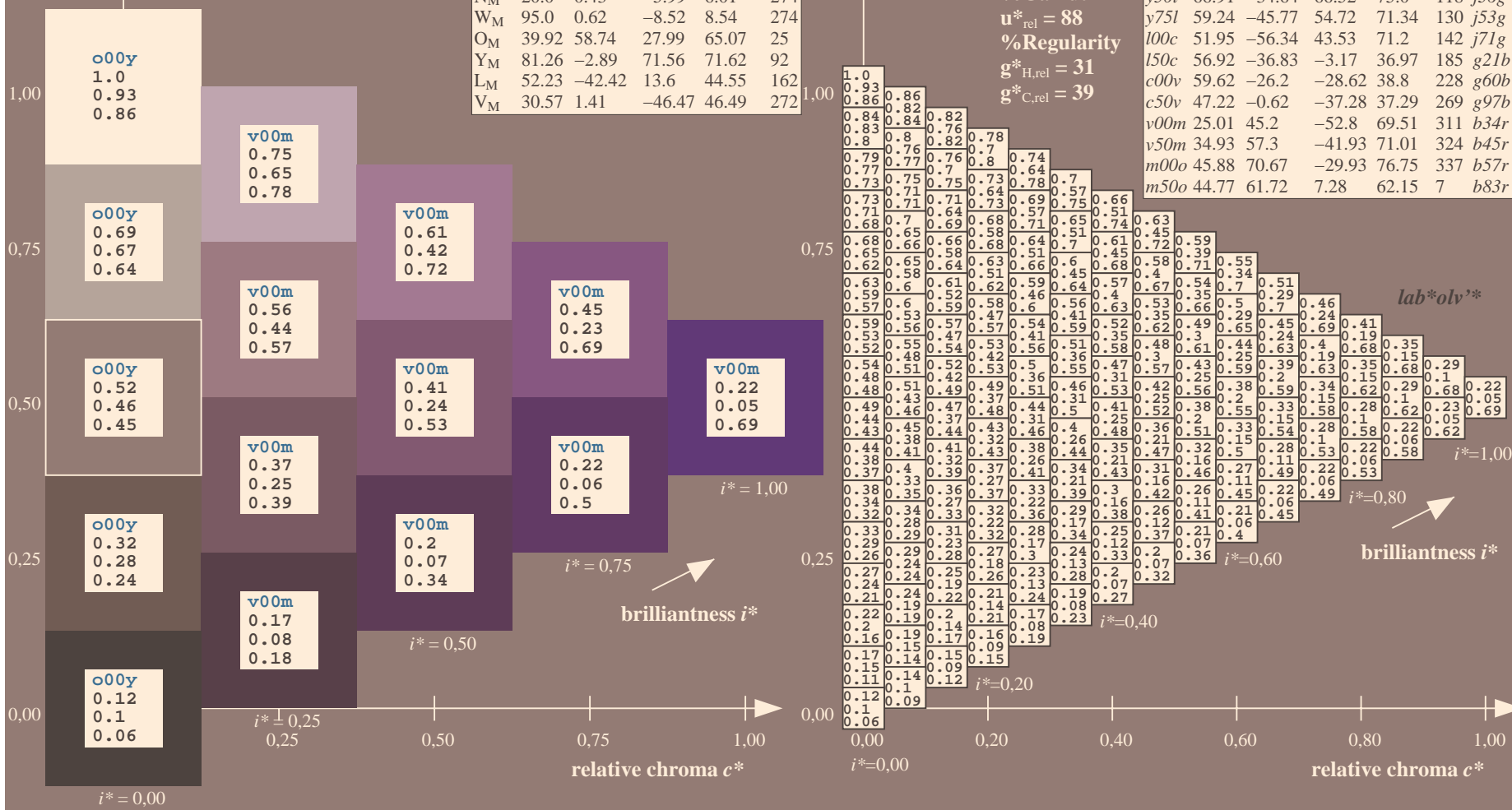
Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$ : 25 45 -53  
 $LAB^*LCH^*_Ma$ : 25 70 310  
 $lab^*olv^*_Ma$ : 0.0 0.0 1.0  
 $lab^*rgb^*_Ma$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

FRS12\_95a; adapted (a) CIELAB data

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
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	
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  
 $g^*_{H,rel} = 31$   
 $g^*_{C,rel} = 39$

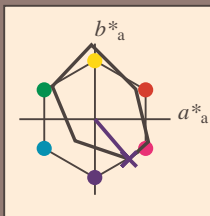


See for similar files: <http://www.ps.bam.de/Fe78/>; <http://www.ps.bam.de/Version2.1,io=1,1,CIELAB,ColSpX=0>

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rh4ta  
 application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System FRS12\_95a for relative CIELAB hue  $h^* = lab^*h^* = h_{ab}/360 = 0.863$   
 data for any colour:  
 $lab^*tch^*$  and  $lab^*icu^*$

Hue texts:  
 $u^*_d = v00m$   $u^*_e = b34r$   
 contrast reduction factor:  
 $c_R = 0.9$   
 triangle lightness  $t^*$



**FRS12\_95a; CIELAB data**

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab}$	$h^*_{ab}$
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	

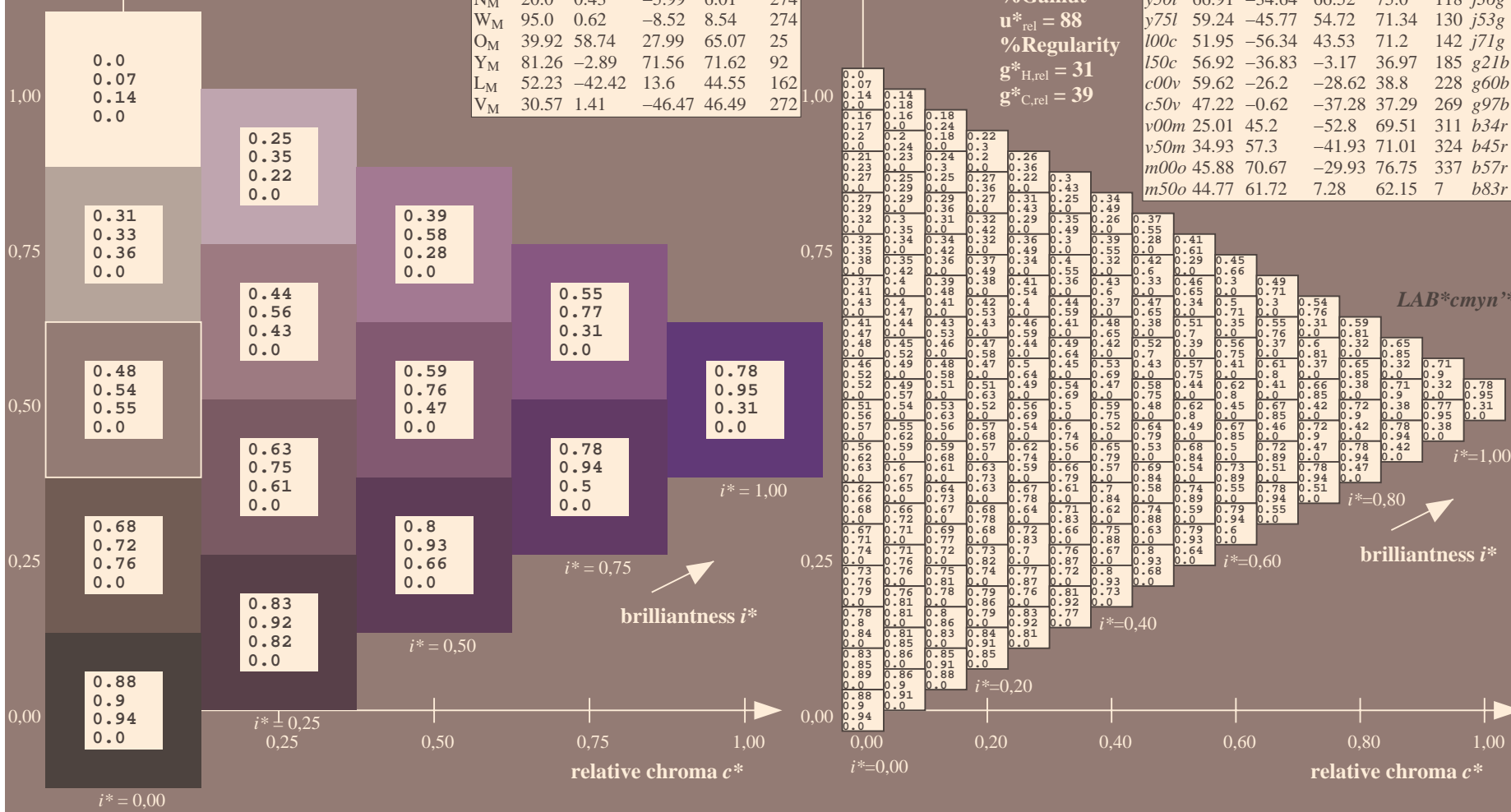
Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$ : 25 45 -53  
 $LAB^*LCH^*_Ma$ : 25 70 310  
 $lab^*olv^*_Ma$ : 0.0 0.0 1.0  
 $lab^*rgb^*_Ma$ : 0.68 0.0 1.0  
 triangle lightness  $t^*$

**FRS12\_95a; adapted (a) CIELAB data**

	$u^*_d$	$L^*=L^*_a$	$a^*_a$	$b^*_a$	$C^*_{ab,a}$	$h^*_{ab,a}$	$u^*_e$
<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>	

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



See for similar files: <http://www.ps.bam.de/Fe78/>; [www.ps.bam.de/Fe78/10L/L78e00FP.PDF/](http://www.ps.bam.de/Fe78/10L/L78e00FP.PDF/) .PS  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Fe78/10L/L78e00FP.PDF/ .PS BAM material: code=rhadata  
 application for evaluation and measurement of printer or monitor systems