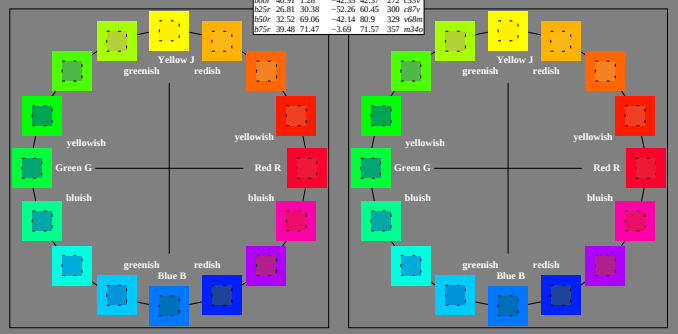
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_E and number *no.* = 00 .. 15
elementary hue text:
u^*_E = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0

FRS12_95a; adapted (a) CIELAB data							
u^*_E	$L^*=L^*_E$	a^*_E	b^*_E	$C^*_{ab,E}$	$h^*_{ab,E}$	u^*_E	
r00j	38.47	63.32	30.17	70.15	25	*m81o*	
r25j	42.12	54.56	49.45	73.64	42	*o10y*	
r50j	53.64	39.15	64.89	75.79	59	*o40y*	
r75j	67.01	21.26	82.83	85.52	76	*o69y*	
j00g	86.18	−4.38	108.53	108.62	92	*o98y*	
j25g	69.73	−29.89	83.06	88.28	110	*y34l*	
j50g	57.03	−48.31	63.49	79.78	127	*y69l*	
j75g	47.73	−60.33	42.64	73.88	145	*l03c*	
g00b	50.59	−49.08	15.74	51.54	162	*l23c*	
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*	
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*	
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*	
b00r	40.91	1.28	−42.35	42.37	272	*c53v*	
b25r	26.81	30.38	−52.26	60.45	300	*c87v*	
b50r	32.52	69.06	−42.14	80.9	329	*v68m*	
b75r	39.48	71.47	−3.69	71.57	357	*m34o*	

FRS12_95a; adapted (a) CIELAB data							
Name	$L^*=L^*_E$	a^*_E	b^*_E	$C^*_{ab,E}$	$h^*_{ab,E}$	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		
M_{Ma}	11.58	0.0	0.0	0.0	0		
W_{Ma}	95.02	0.0	0.0	0.0	0		
R_{CIE}	39.92	58.74	27.99	65.07	25		
J_{CIE}	81.26	−2.89	71.56	71.62	92		
G_{CIE}	52.23	−42.42	13.6	44.55	162		
B_{CIE}	30.57	1.41	−46.47	46.49	272		



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_E = *r00j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r00j* u^*_A = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 63 30
*LAB*LCH**$_{Ma}$: 38 70 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.18
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_E = *r25j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r25j* u^*_A = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 55 49
*LAB*LCH**$_{Ma}$: 42 74 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.11 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_E = *r50j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r50j* u^*_A = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 39 65
*LAB*LCH**$_{Ma}$: 54 76 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.4 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_E = *r75j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r75j* u^*_A = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 21 83
*LAB*LCH**$_{Ma}$: 67 86 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.7 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_E = *j00g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j00g* u^*_A = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −4 109
*LAB*LCH**$_{Ma}$: 86 109 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.99 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_E = *j25g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j25g* u^*_A = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −30 83
*LAB*LCH**$_{Ma}$: 70 88 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.66 1.0 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_E = *j50g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j50g* u^*_A = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −48 63
*LAB*LCH**$_{Ma}$: 57 80 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.3 1.0 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_E = *j75g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j75g* u^*_A = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −60 43
*LAB*LCH**$_{Ma}$: 48 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 40
brilliantness *j**
relative chroma *c**

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
***u^*_E* and number *no.* = 00 .. 15**
elementary hue text:
u^*_E* = 16 hues *r00j, r25j, ..., b75r
contrast reduction factor:
c_R = 1.0

FRS12_95a; adapted (a) CIELAB data

	L^*	$L^*-L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25		*m81o*
r25j	42.12	54.56	49.45	73.64	42		*o10y*
r50j	53.64	39.15	64.89	75.79	59		*o40y*
r75j	67.01	21.26	82.83	85.52	76		*o69y*
j00g	86.18	−4.38	108.53	108.62	92		*o98y*
j25g	69.73	−29.89	83.06	88.28	110		*y34l*
j50g	57.03	−48.31	63.49	79.78	127		*y69l*
j75g	47.73	−60.33	42.64	73.88	145		*l03c*
g00b	50.59	−49.08	15.74	51.54	162		*l23c*
g25b	52.97	−39.7	−6.72	40.27	190		*l55c*
g50b	54.85	−32.33	−24.35	40.48	217		*l87c*
g75b	49.92	−17.29	−36.02	39.96	244		*c20v*
b00r	40.91	1.28	−42.35	42.37	272		*c53v*
b25r	26.81	30.38	−52.26	60.45	300		*c87v*
b50r	32.52	69.06	−42.14	80.9	329		*v68m*
b75r	39.48	71.47	−3.69	71.57	357		*m34o*

FRS12_95a; adapted (a) CIELAB data

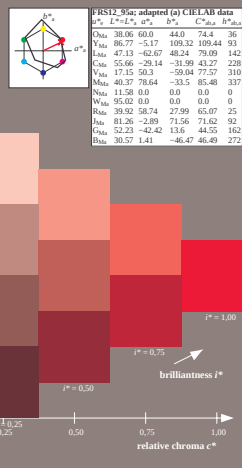
	L^*	$L^*-L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Ma}	38.06	60.0	44.0	74.4	36		
Y_{Ma}	86.77	−5.17	109.32	109.44	93		
L_{Ma}	47.13	−62.67	48.24	79.09	142		
C_{Ma}	55.66	−29.14	−31.99	43.27	228		
V_{Ma}	17.15	50.3	−59.04	77.57	310		
M_{Ma}	40.37	78.64	−33.5	85.48	337		
N_{Ma}	11.58	0.0	0.0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

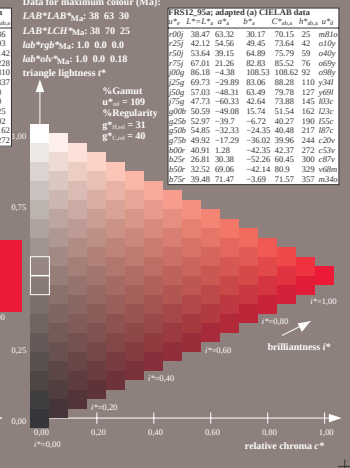
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.071** ***u^*_E* = *r00j***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *r00j* *u^*_A* = *m81o
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 38 63 30**
***LAB*LCH*$_{Ma}$: 38 70 25**
***lab*rgb*$_{Ma}$: 1.0 0.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.0 0.18**

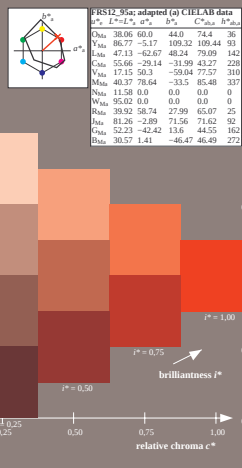


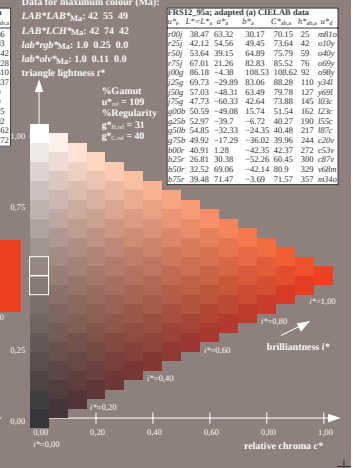


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.117** ***u^*_E* = *r25j***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *r25j* *u^*_A* = *o10y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 42 55 49**
***LAB*LCH*$_{Ma}$: 42 74 42**
***lab*rgb*$_{Ma}$: 1.0 0.25 0.0**
***lab*olv*$_{Ma}$: 1.0 0.11 0.0**

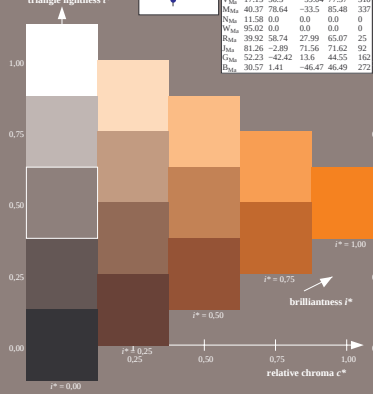


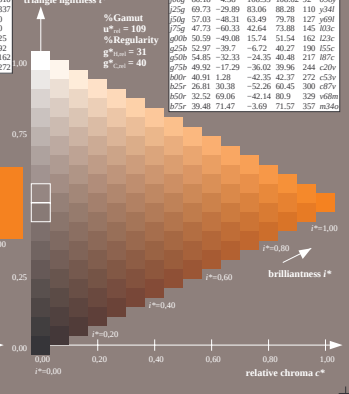


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.164** ***u^*_E* = *r50j***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *r50j* *u^*_A* = *o40y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 54 39 65**
***LAB*LCH*$_{Ma}$: 54 76 58**
***lab*rgb*$_{Ma}$: 1.0 0.5 0.0**
***lab*olv*$_{Ma}$: 1.0 0.4 0.0**

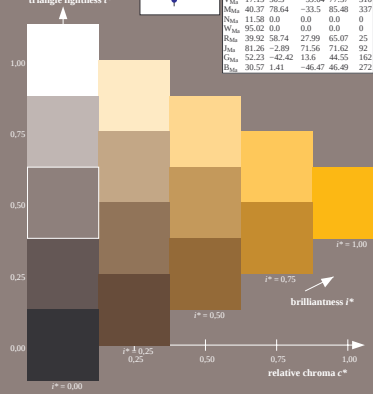


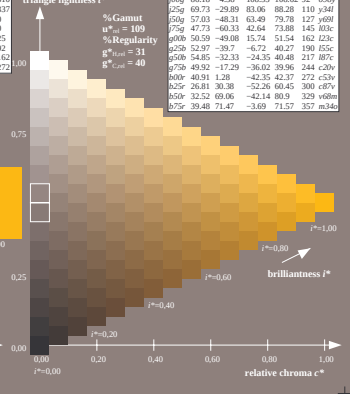


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.21** ***u^*_E* = *r75j***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *r75j* *u^*_A* = *o69y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 67 21 83**
***LAB*LCH*$_{Ma}$: 67 86 75**
***lab*rgb*$_{Ma}$: 1.0 0.75 0.0**
***lab*olv*$_{Ma}$: 1.0 0.7 0.0**

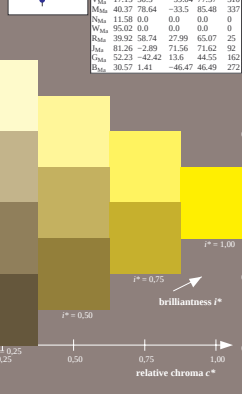


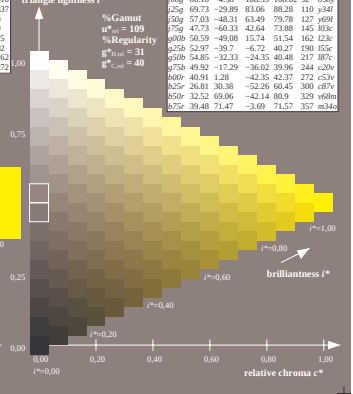


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.256** ***u^*_E* = *j00g***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *j00g* *u^*_A* = *o98y
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 86 −4 109**
***LAB*LCH*$_{Ma}$: 86 109 92**
***lab*rgb*$_{Ma}$: 1.0 1.0 0.0**
***lab*olv*$_{Ma}$: 1.0 0.99 0.0**

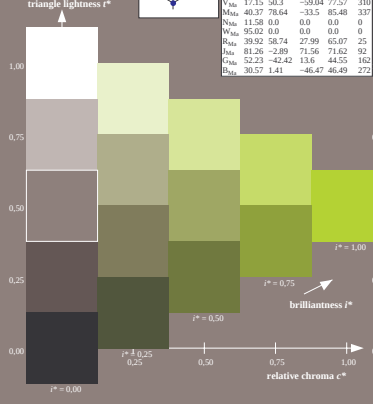


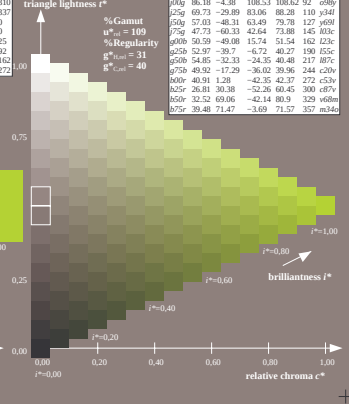


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.305** ***u^*_E* = *j25g***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *j25g* *u^*_A* = *y34l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 70 −30 83**
***LAB*LCH*$_{Ma}$: 70 88 109**
***lab*rgb*$_{Ma}$: 0.75 1.0 0.0**
***lab*olv*$_{Ma}$: 0.66 1.0 0.0**

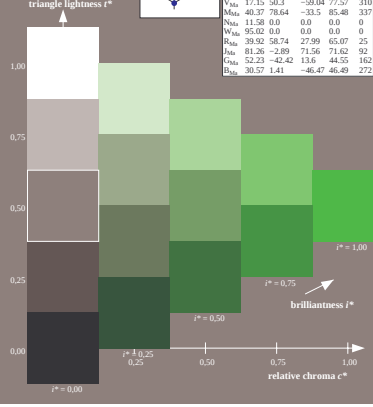


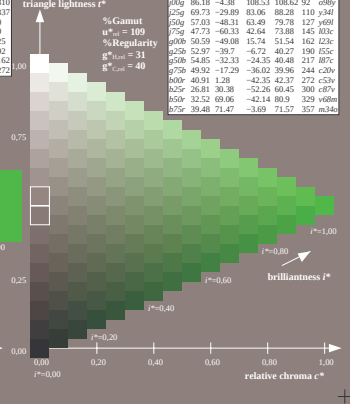


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.354** ***u^*_E* = *j50g***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *j50g* *u^*_A* = *y69l
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 57 −48 63**
***LAB*LCH*$_{Ma}$: 57 80 127**
***lab*rgb*$_{Ma}$: 0.5 1.0 0.0**
***lab*olv*$_{Ma}$: 0.3 1.0 0.0**

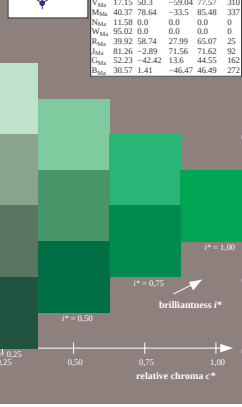


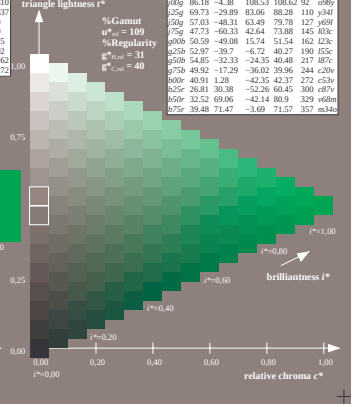


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue *h = *lab*h** = h_{ab}/360 = 0.402** ***u^*_E* = *j75g***

data for any colour:
lab*tch** and *lab*icu
Hue texts:
u^*_E* = *j75g* *u^*_A* = *l03c
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
***LAB*LAB*$_{Ma}$: 48 −60 43**
***LAB*LCH*$_{Ma}$: 48 74 144**
***lab*rgb*$_{Ma}$: 0.25 1.0 0.0**
***lab*olv*$_{Ma}$: 0.0 1.0 0.03**



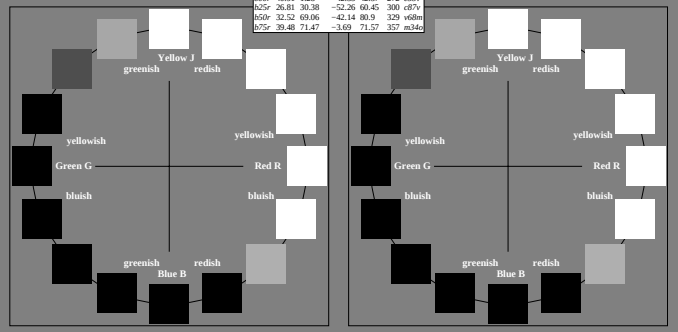


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_E and number *no.* = 00 .. 15
elementary hue text:
u^*_E = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0

FRS12_95a: adapted (a) CIELAB data						
u^*_A	$L^*=L^*_A$	a^*_A	b^*_A	$C^*_{ab,A}$	$h^*_{ab,A}$	u^*_E
r00j	38.47	63.32	30.17	70.15	25	*m81o*
r25j	42.12	54.56	49.45	73.64	42	*o10y*
r50j	53.64	39.15	64.89	75.79	59	*o40y*
r75j	67.01	21.26	82.83	85.52	76	*o69y*
j00g	86.18	−4.38	108.53	108.62	92	*o98y*
j25g	69.73	−29.89	83.06	88.28	110	*y34l*
j50g	57.03	−48.31	63.49	79.78	127	*y69l*
j75g	47.73	−60.33	42.64	73.88	145	*l03c*
g00b	50.59	−49.08	15.74	51.54	162	*l23c*
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*
b00r	40.91	1.28	−42.35	42.37	272	*c53v*
b25r	26.81	30.38	−52.26	60.45	300	*c87v*
b50r	32.52	69.06	−42.14	80.9	329	*v68m*
b75r	39.48	71.47	−3.69	71.57	357	*m34e*

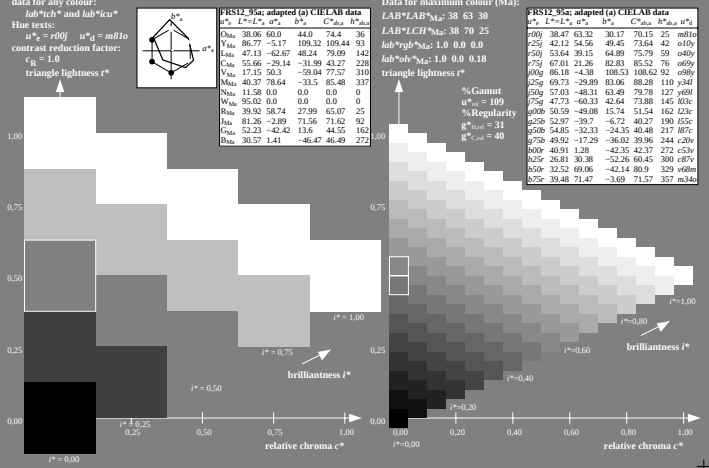
FRS12_95a: adapted (a) CIELAB data						
Name	$L^*=L^*_A$	a^*_A	b^*_A	$C^*_{ab,A}$	$h^*_{ab,A}$	
O_{Ma}	38.06	60.0	44.0	74.4	36	
Y_{Ma}	86.77	−5.17	109.32	109.44	93	
L_{Ma}	47.13	−62.67	48.24	79.09	142	
C_{Ma}	55.66	−29.14	−31.99	43.27	228	
V_{Ma}	17.15	50.3	−59.04	77.57	310	
M_{Ma}	40.37	78.64	−33.5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

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



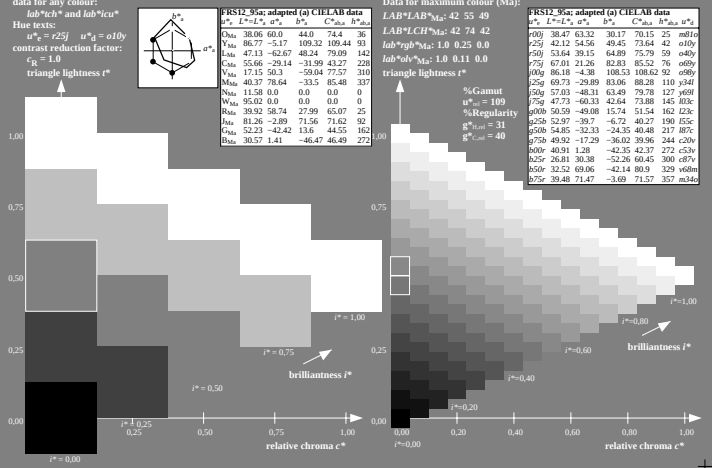
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_E = *r00j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r00j* u^*_A = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 63 30
*LAB*LCH**$_{Ma}$: 38 70 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.18



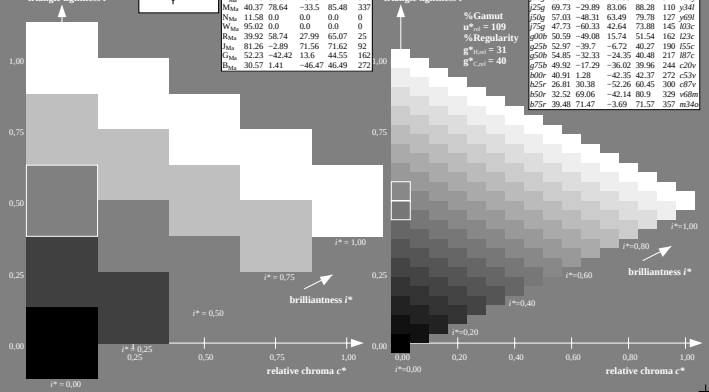
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_E = *r25j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r25j* u^*_A = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 55 49
*LAB*LCH**$_{Ma}$: 42 74 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.11 0.0



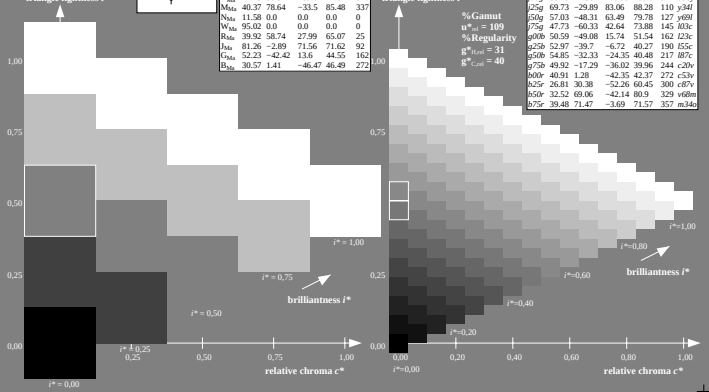
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_E = *r50j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r50j* u^*_A = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 39 65
*LAB*LCH**$_{Ma}$: 54 76 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.4 0.0



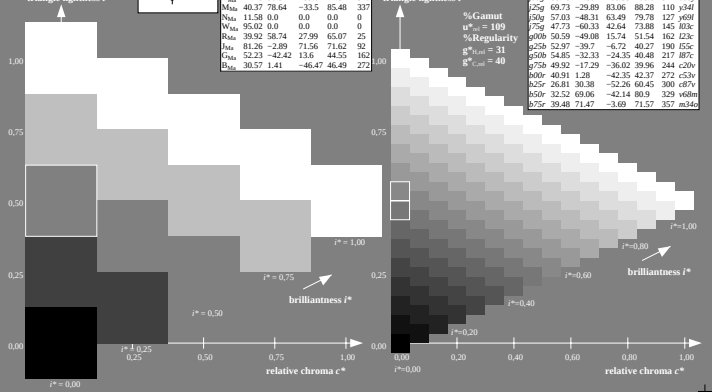
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_E = *r75j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r75j* u^*_A = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 21 83
*LAB*LCH**$_{Ma}$: 67 86 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.7 0.0



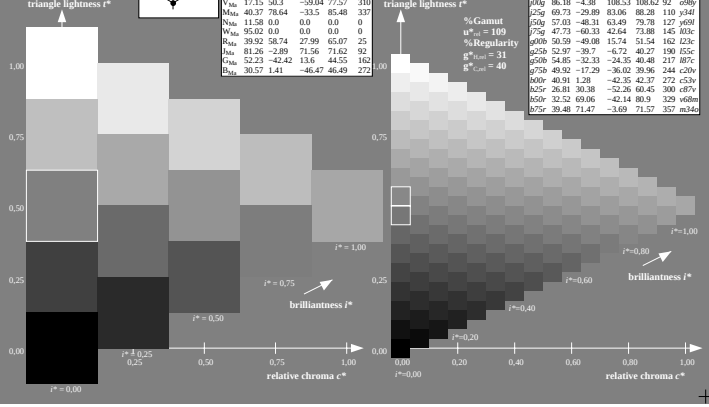
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_E = *j00g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j00g* u^*_A = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −4 109
*LAB*LCH**$_{Ma}$: 86 109 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.99 0.0



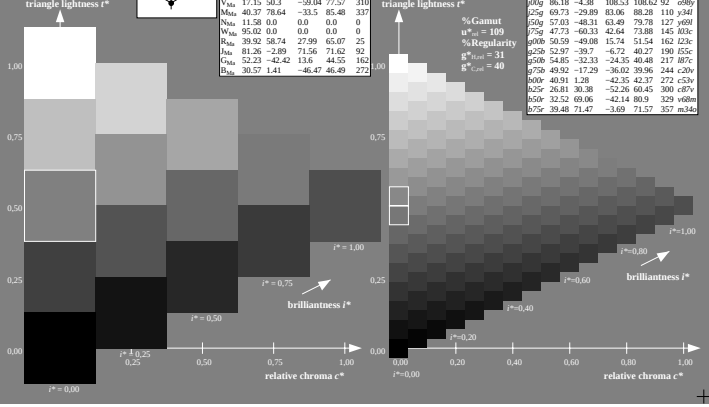
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_E = *j25g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j25g* u^*_A = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −30 83
*LAB*LCH**$_{Ma}$: 70 88 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.66 1.0 0.0



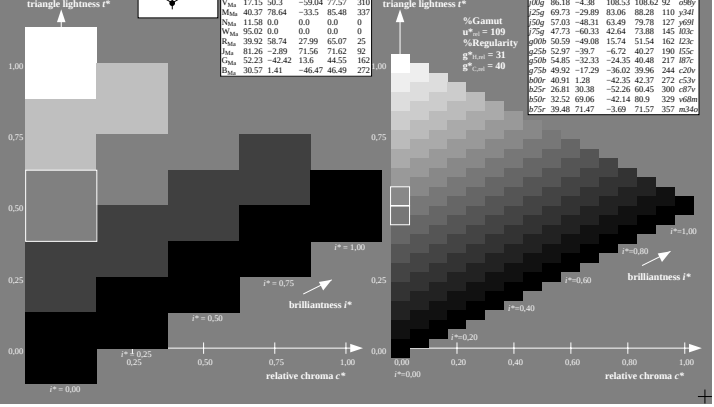
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_E = *j50g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j50g* u^*_A = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −48 63
*LAB*LCH**$_{Ma}$: 57 80 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.3 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_E = *j75g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j75g* u^*_A = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

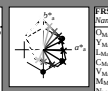
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −60 43
*LAB*LCH**$_{Ma}$: 48 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03

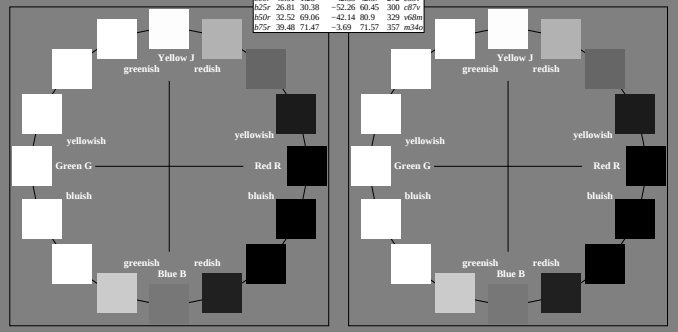


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_E and number *no.* = 00 .. 15
elementary hue text:
u^*_E = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0

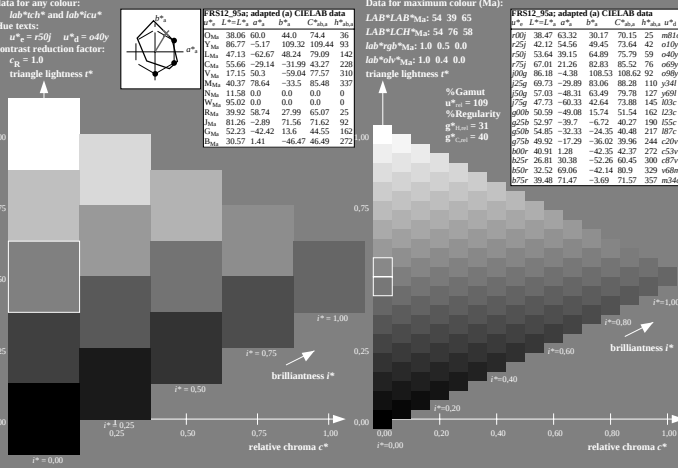
FRS12_95a: adapted (a) CIELAB data						
u^*_E	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	*m81o*
r25j	42.12	54.56	49.45	73.64	42	*o10y*
r50j	53.64	39.15	64.89	75.79	59	*o40y*
r75j	67.01	21.26	82.83	85.52	76	*o69y*
j00g	86.18	−4.38	108.53	108.62	92	*o98y*
j25g	69.73	−29.89	83.06	88.28	110	*y34l*
j50g	57.03	−48.31	63.49	79.78	127	*y69l*
j75g	47.73	−60.33	42.64	73.88	145	*l03c*
g00b	50.59	−49.08	15.74	51.54	162	*l23c*
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*
b00r	40.91	1.28	−42.35	42.37	272	*c53v*
b25r	26.81	30.38	−52.26	60.45	300	*c87v*
b50r	32.52	69.06	−42.14	80.9	329	*v68m*
b75r	39.48	71.47	−3.69	71.57	357	*m34o*

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	
M_{Ma}	11.58	0.0	0.0	0.0	0	
W_{Ma}	95.02	0.0	0.0	0.0	0	
R_{CIE}	39.92	58.74	27.99	65.07	25	
B_{CIE}	67.01	21.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162	
B_{CIE}	30.57	1.41	−46.47	46.49	272	





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_E = *r00j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r00j* u^*_a = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 63 30
*LAB*LCH**$_{Ma}$: 38 70 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.18
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_E = *r25j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r25j* u^*_a = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 55 49
*LAB*LCH**$_{Ma}$: 42 74 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.11 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_E = *r50j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r50j* u^*_a = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 39 65
*LAB*LCH**$_{Ma}$: 54 76 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.4 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_E = *r75j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r75j* u^*_a = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 21 83
*LAB*LCH**$_{Ma}$: 67 86 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.7 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_E = *j00g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j00g* u^*_a = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −4 109
*LAB*LCH**$_{Ma}$: 86 109 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.99 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_E = *j25g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j25g* u^*_a = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −30 83
*LAB*LCH**$_{Ma}$: 70 88 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.66 1.0 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

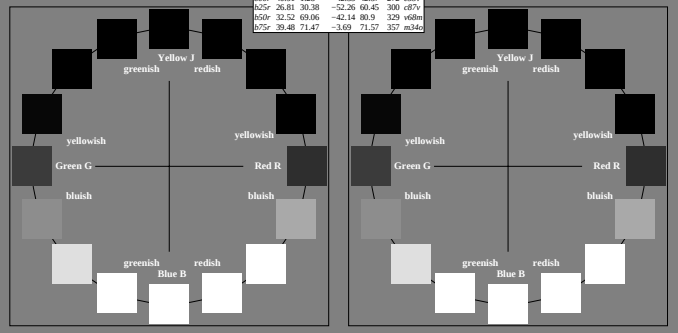
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_E = *j50g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j50g* u^*_a = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −48 63
*LAB*LCH**$_{Ma}$: 57 80 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.3 1.0 0.0
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_E = *j75g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j75g* u^*_a = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −60 43
*LAB*LCH**$_{Ma}$: 48 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03
%Gamut
u^*_{col} = 109
%Regularity
$g^*_{L,col}$ = 31
$g^*_{C,col}$ = 40
brilliantness *j**
relative chroma *c**

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_E and number *no.* = 00 .. 15
elementary hue text:
u^*_E = 16 hues *r00j, r25j, …, b75r*
contrast reduction factor:
c_R = 1.0

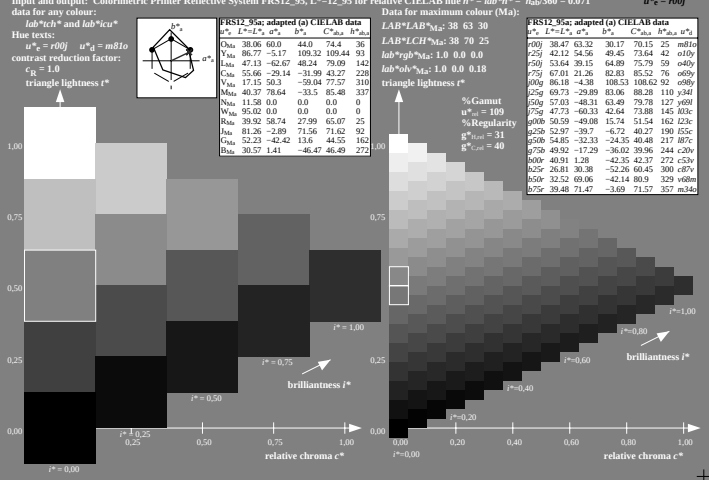
FRS12_95a: adapted (a) CIELAB data							
u^*_E	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a	
r00j	38.47	63.32	30.17	70.15	25	*m81o*	
r25j	42.12	54.56	49.45	73.64	42	*o10y*	
r50j	53.64	39.15	64.89	75.79	59	*o40y*	
r75j	67.01	21.26	82.83	85.52	76	*o69y*	
j00g	86.18	−4.38	108.53	108.62	92	*o98y*	
j25g	69.73	−29.89	83.06	88.28	110	*y34l*	
j50g	57.03	−48.31	63.49	79.78	127	*y69l*	
j75g	47.73	−60.33	42.64	73.88	145	*l03c*	
g00b	50.59	−49.08	15.74	51.54	162	*l23c*	
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*	
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*	
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*	
b00r	40.91	1.28	−42.35	42.37	272	*c53v*	
b25r	26.81	30.38	−52.26	60.45	300	*c87v*	
b50r	32.52	69.06	−42.14	80.9	329	*v68m*	
b75r	39.48	71.47	−3.69	71.57	357	*m34o*	

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		
M_{Ma}	11.58	0.0	0.0	0.0	0		
W_{Ma}	95.02	0.0	0.0	0.0	0		
R_{CIE}	39.92	58.74	27.99	65.07	25		
J_{CIE}	81.26	−2.89	71.56	71.62	92		
G_{CIE}	52.23	−42.42	13.6	44.55	162		
B_{CIE}	30.57	1.41	−46.47	46.49	272		



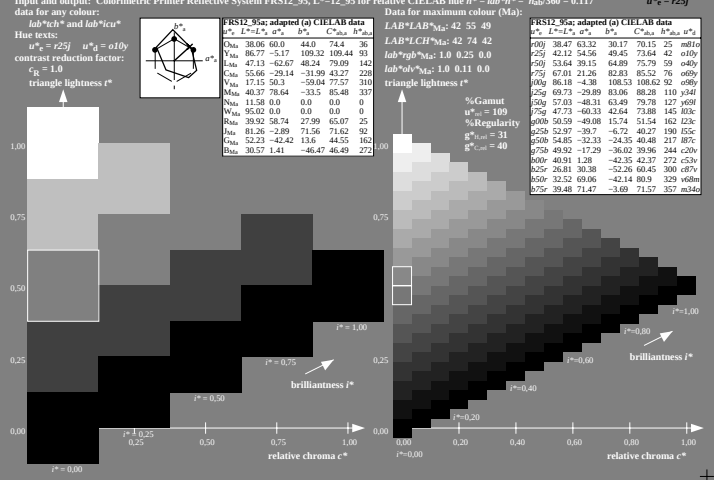
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_E = *r00j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r00j* u^*_a = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 38 63 30
*LAB*LCH*$^*_{Ma}$: 38 70 25
*lab*rgb*$^*_{Ma}$: 1.0 0.0 0.0
*lab*olv*$^*_{Ma}$: 1.0 0.0 0.18



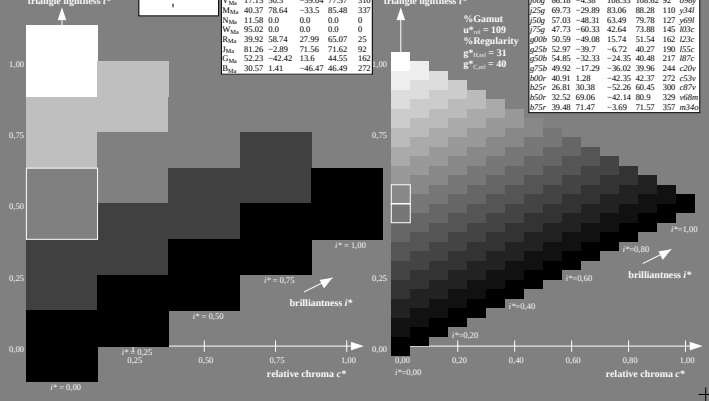
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_E = *r25j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r25j* u^*_a = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 42 55 49
*LAB*LCH*$^*_{Ma}$: 42 74 42
*lab*rgb*$^*_{Ma}$: 1.0 0.25 0.0
*lab*olv*$^*_{Ma}$: 1.0 0.11 0.0



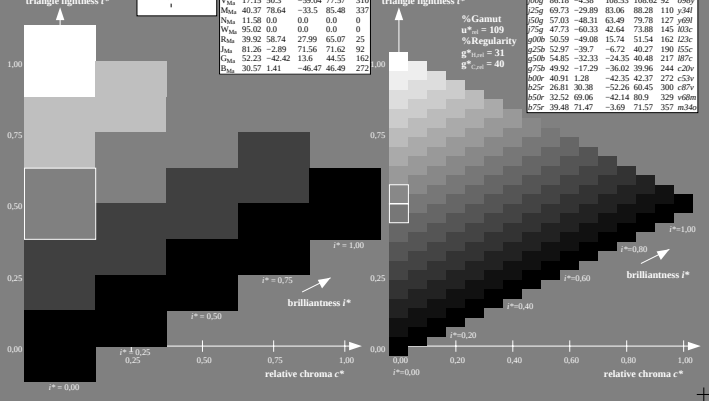
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_E = *r50j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r50j* u^*_a = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 54 39 65
*LAB*LCH*$^*_{Ma}$: 54 76 58
*lab*rgb*$^*_{Ma}$: 1.0 0.5 0.0
*lab*olv*$^*_{Ma}$: 1.0 0.4 0.0



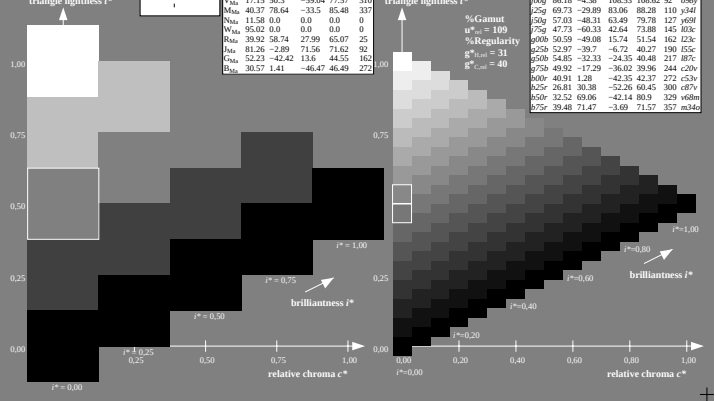
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_E = *r75j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *r75j* u^*_a = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 67 21 83
*LAB*LCH*$^*_{Ma}$: 67 86 75
*lab*rgb*$^*_{Ma}$: 1.0 0.75 0.0
*lab*olv*$^*_{Ma}$: 1.0 0.7 0.0



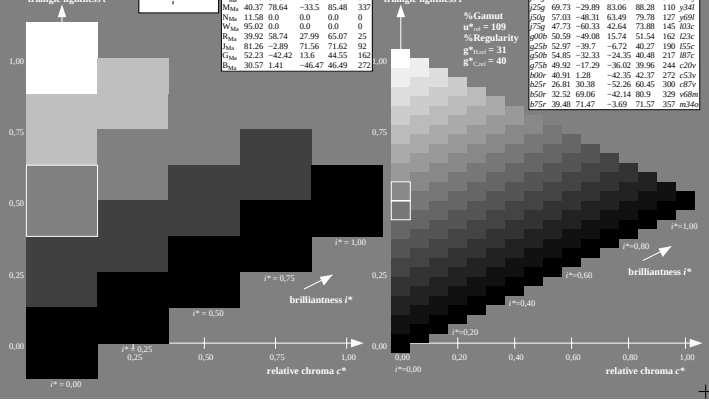
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_E = *j00g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j00g* u^*_a = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 86 −4 109
*LAB*LCH*$^*_{Ma}$: 86 109 92
*lab*rgb*$^*_{Ma}$: 1.0 1.0 0.0
*lab*olv*$^*_{Ma}$: 1.0 0.99 0.0



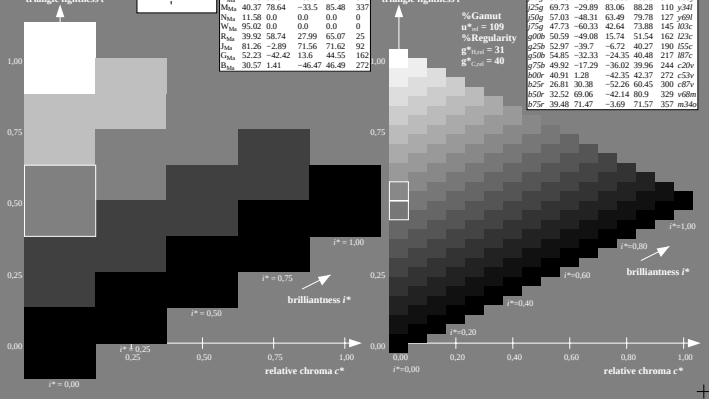
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_E = *j25g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j25g* u^*_a = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 70 −30 83
*LAB*LCH*$^*_{Ma}$: 70 88 109
*lab*rgb*$^*_{Ma}$: 0.75 1.0 0.0
*lab*olv*$^*_{Ma}$: 0.66 1.0 0.0



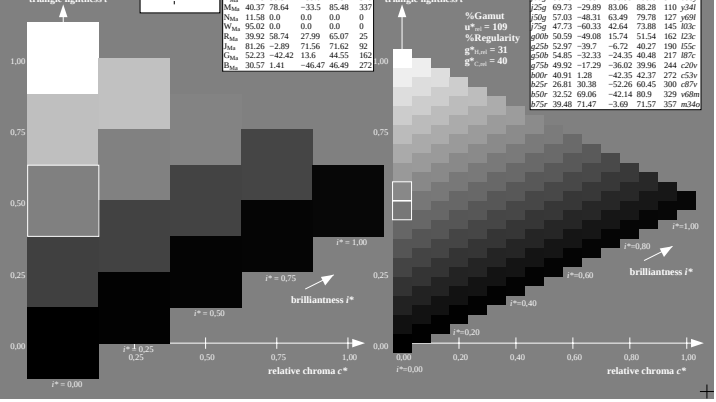
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_E = *j50g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j50g* u^*_a = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 57 −48 63
*LAB*LCH*$^*_{Ma}$: 57 80 127
*lab*rgb*$^*_{Ma}$: 0.5 1.0 0.0
*lab*olv*$^*_{Ma}$: 0.3 1.0 0.0

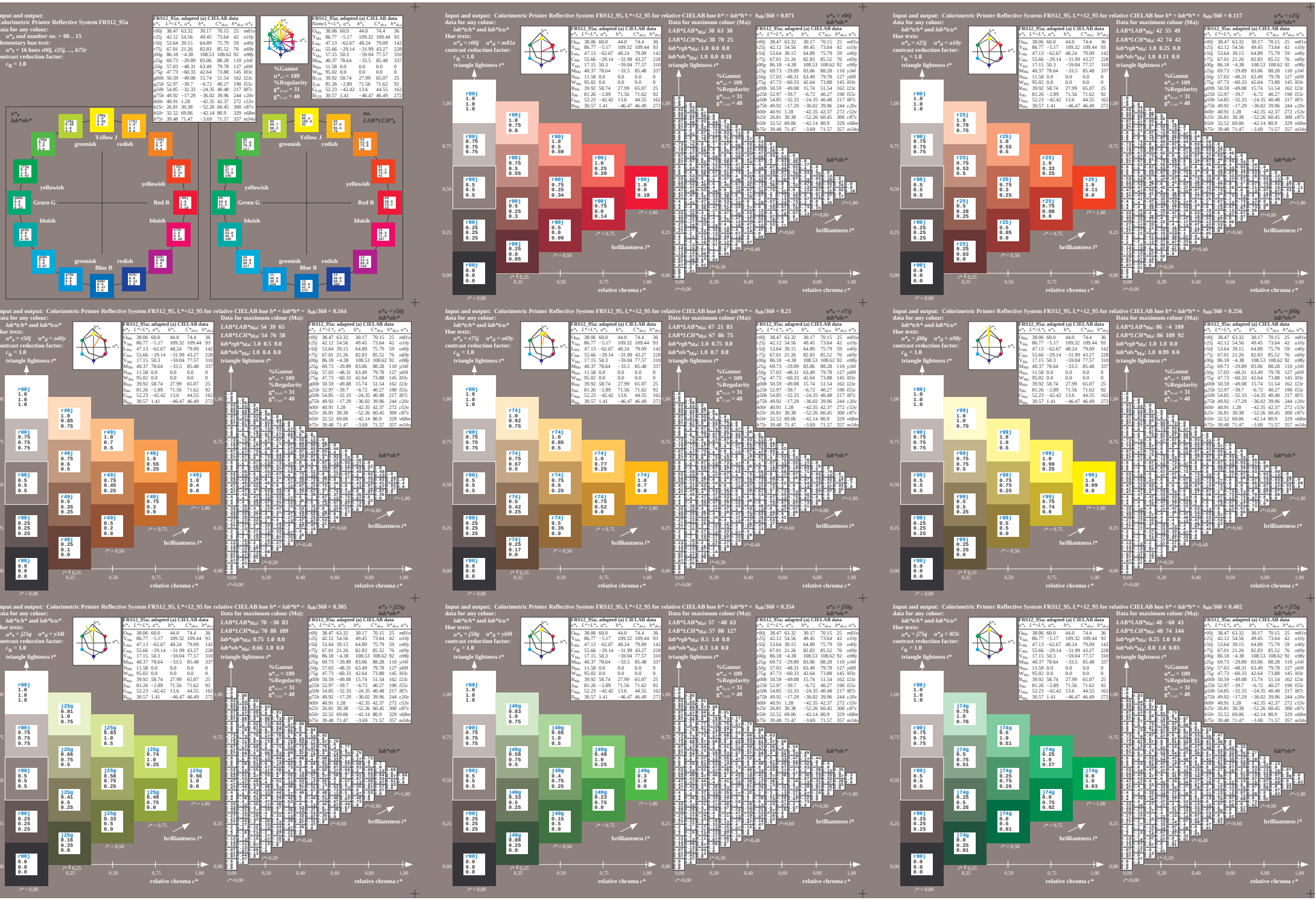


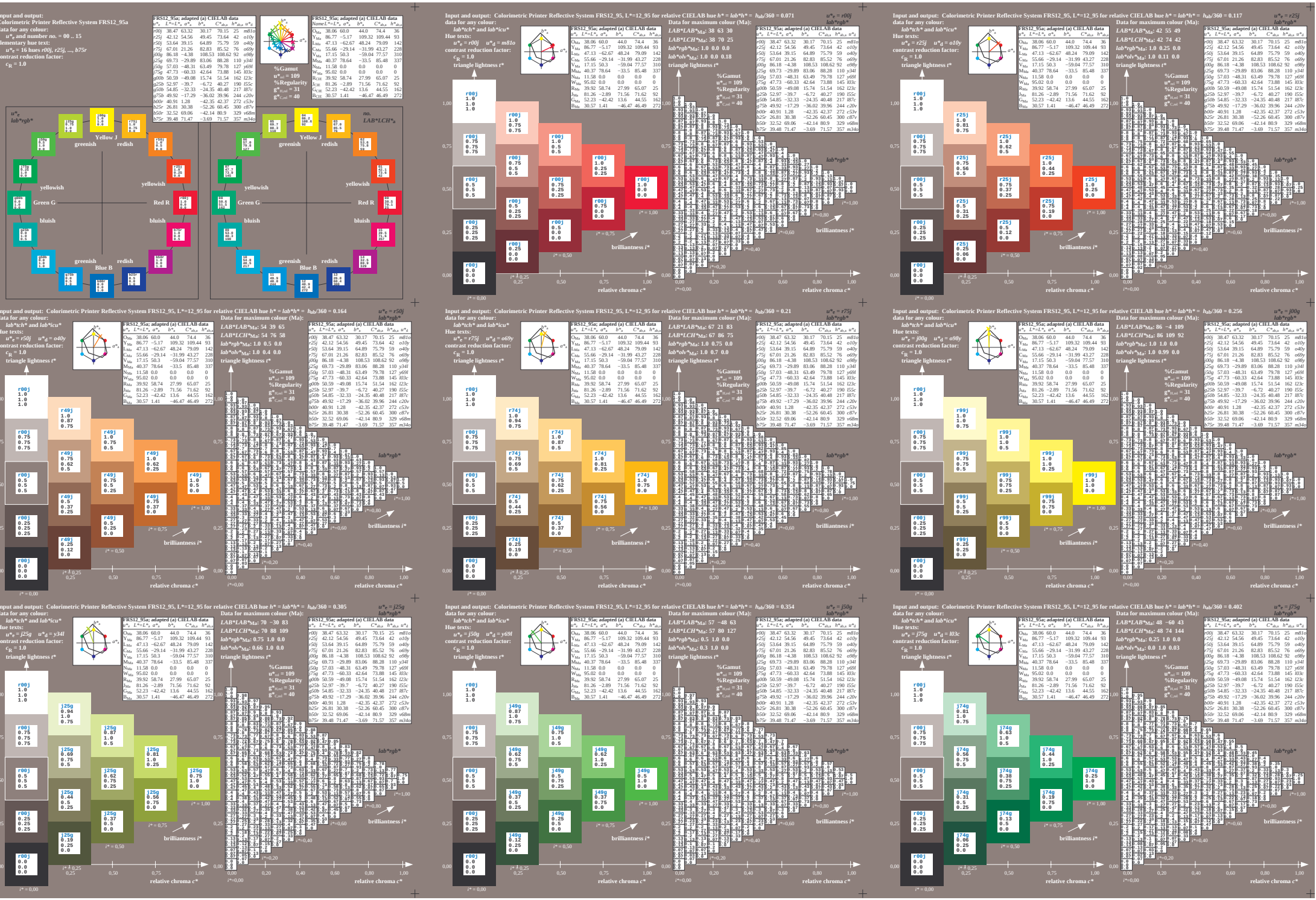
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_E = *j75g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_E = *j75g* u^*_a = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*$^*_{Ma}$: 48 −60 43
*LAB*LCH*$^*_{Ma}$: 48 74 144
*lab*rgb*$^*_{Ma}$: 0.25 1.0 0.0
*lab*olv*$^*_{Ma}$: 0.0 1.0 0.03



Black separation empty


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u*a and number no. = 00 .. 15
elementary hue text:
u*a = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS12_95a; adapted (a) CIELAB data
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
Blue B
no.
LAB*LCH*ab
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.071
u*a = r00j
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = r00j u*a = m81o
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 63 30
LAB*LCH*Ma: 38 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.117
u*a = r25j
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = r25j u*a = o10y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 55 49
LAB*LCH*Ma: 42 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.11 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.164
u*a = r50j
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = r50j u*a = o40y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 54 39 65
LAB*LCH*Ma: 54 76 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.4 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.21
u*a = r75j
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = r75j u*a = o69y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 67 21 83
LAB*LCH*Ma: 67 86 75
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.7 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.256
u*a = j00g
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = j00g u*a = o98y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 86 -4 109
LAB*LCH*Ma: 86 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.305
u*a = j25g
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = j25g u*a = y34l
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 70 -30 83
LAB*LCH*Ma: 70 88 109
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.66 1.0 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.354
u*a = j50g
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = j50g u*a = y69l
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 -48 63
LAB*LCH*Ma: 57 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.3 1.0 0.0
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.402
u*a = j75g
lab*olv*
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*a = j75g u*a = l03c
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 -60 43
LAB*LCH*Ma: 48 74 144
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.03
%Gamut
u*ul = 109
%Regularity
g*H,ul = 31
g*C,ul = 40
brilliantness i*
relative chroma c*

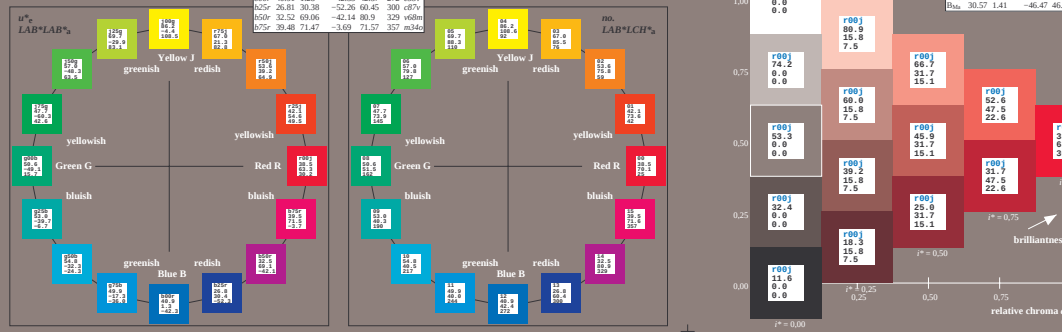

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.071
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.117
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.164
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.21
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.256
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.305
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.354
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.402
relative chroma c*
brilliantness i*

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_a and number *no.* = 00 .. 15
elementary hue text:
u^*_a = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0

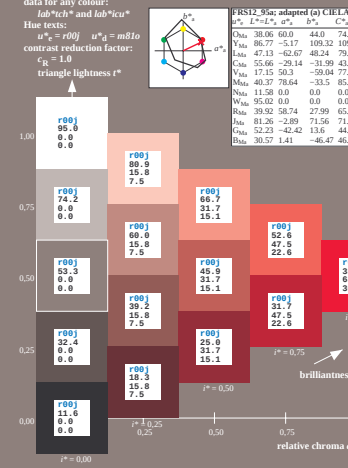
FRS12_95a; adapted (a) CIELAB data						
u^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	*m81o*
r25j	42.12	54.56	49.45	73.64	42	*o10y*
r50j	53.64	39.15	64.89	75.79	59	*o40y*
r75j	67.01	21.26	82.83	85.52	76	*o69y*
j00g	86.18	−4.38	108.53	108.62	92	*o98y*
j25g	69.73	−29.89	83.06	88.28	110	*y34l*
j50g	57.03	−48.31	63.49	79.78	127	*y69l*
j75g	47.73	−60.33	42.64	73.88	145	*l03c*
g00b	50.59	−49.08	15.74	51.54	162	*l23c*
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*
b00r	40.91	1.28	−42.35	42.37	272	*c53v*
b25r	26.81	30.38	−52.26	60.45	300	*c87v*
b50r	32.52	69.06	−42.14	80.9	329	*v68m*
b75r	39.48	71.47	−3.69	71.57	357	*m34o*

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

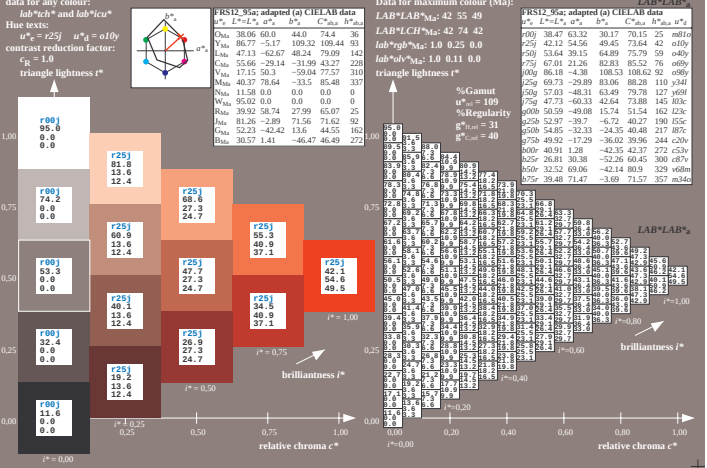
%Gamut
$u^*_{a,i}$ = 109
%Regularity
$g^*_{R,int}$ = 31
$g^*_{C,int}$ = 40



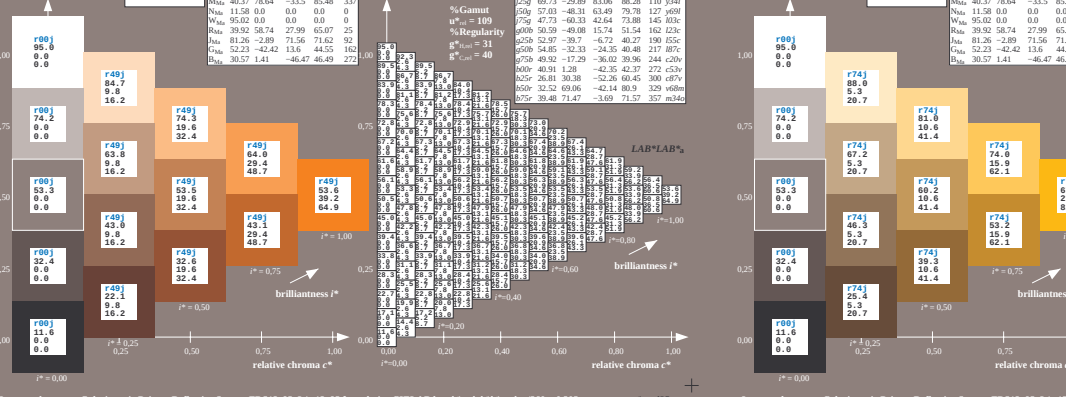
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_a = *r00j* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 38 63 30
*LAB*LCH*$_{Ma}$: 38 70 25
*lab*rgb*$_{Ma}$: 1.0 0.0 0.0
*lab*olv*$_{Ma}$: 1.0 0.0 0.18



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_a = *r25j* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 42 55 49
*LAB*LCH*$_{Ma}$: 42 74 42
*lab*rgb*$_{Ma}$: 1.0 0.25 0.0
*lab*olv*$_{Ma}$: 1.0 0.11 0.0

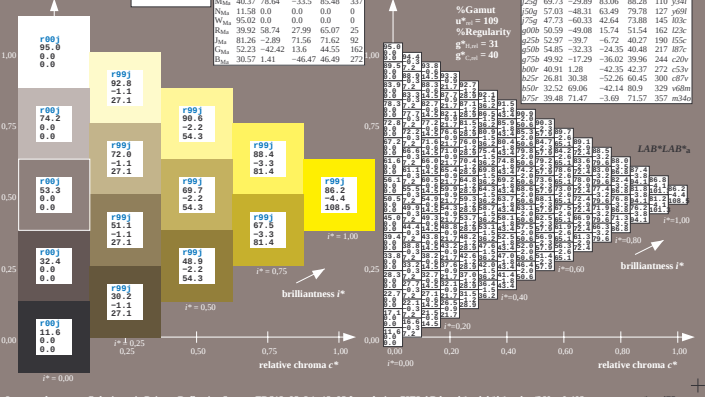


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_a = *r50j* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 54 39 65
*LAB*LCH*$_{Ma}$: 54 76 58
*lab*rgb*$_{Ma}$: 1.0 0.5 0.0
*lab*olv*$_{Ma}$: 1.0 0.4 0.0

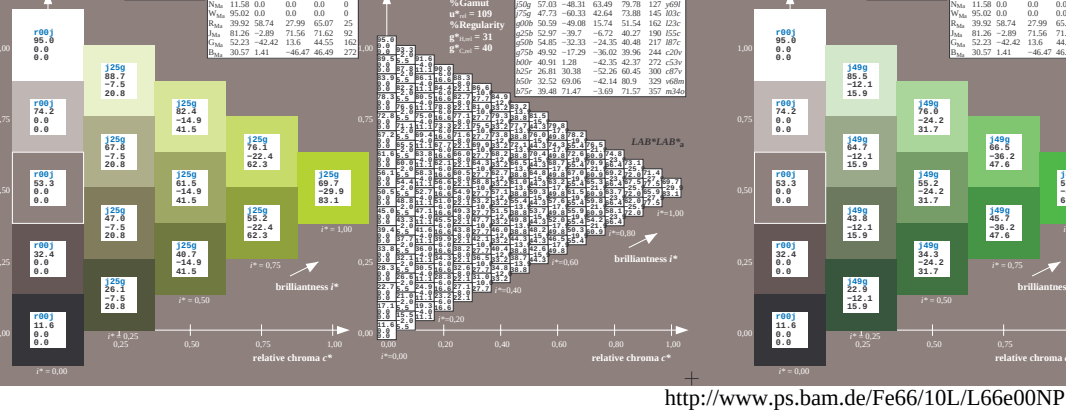


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_a = *r75j* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 67 21 83
*LAB*LCH*$_{Ma}$: 67 86 75
*lab*rgb*$_{Ma}$: 1.0 0.75 0.0
*lab*olv*$_{Ma}$: 1.0 0.7 0.0

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_a = *j00g* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 86 −4 109
*LAB*LCH*$_{Ma}$: 86 109 92
*lab*rgb*$_{Ma}$: 1.0 1.0 0.0
*lab*olv*$_{Ma}$: 1.0 0.99 0.0

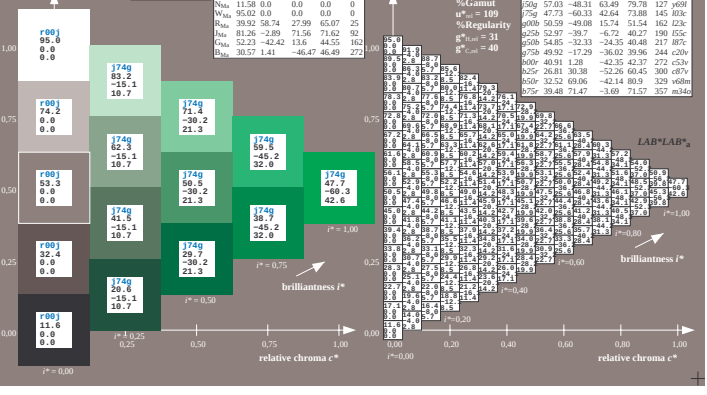


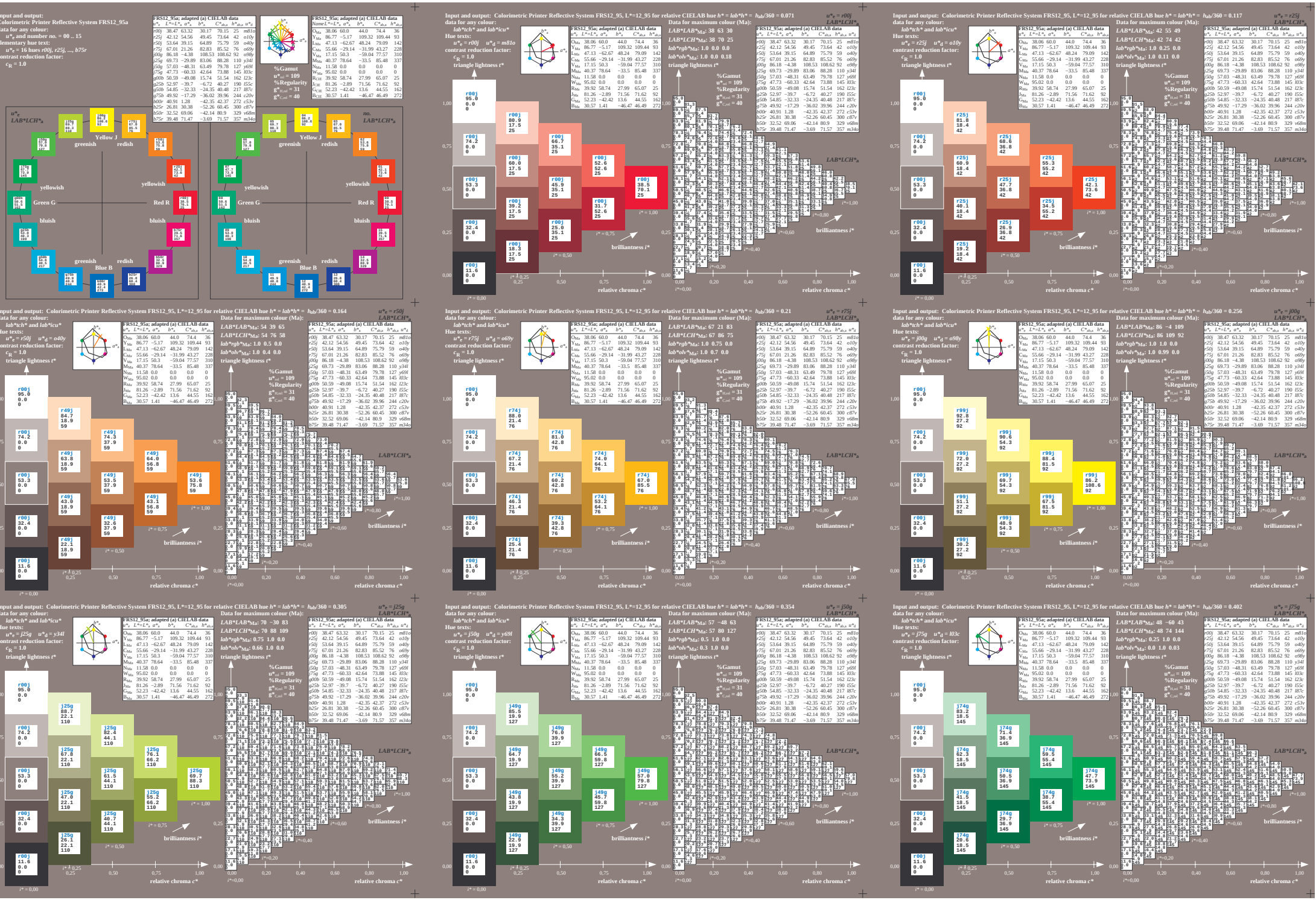
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_a = *j25g* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 70 −30 83
*LAB*LCH*$_{Ma}$: 70 88 109
*lab*rgb*$_{Ma}$: 0.75 1.0 0.0
*lab*olv*$_{Ma}$: 0.66 1.0 0.0



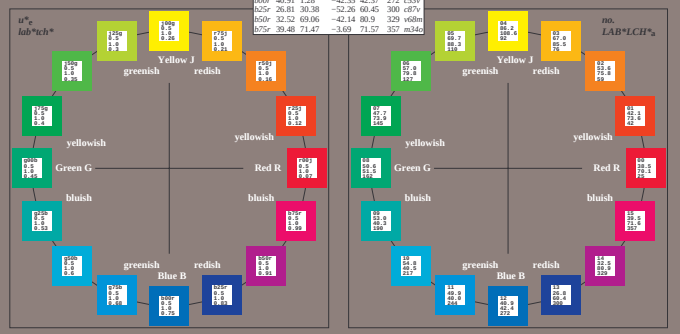
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_a = *j50g* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 57 −48 63
*LAB*LCH*$_{Ma}$: 57 80 127
*lab*rgb*$_{Ma}$: 0.5 1.0 0.0
*lab*olv*$_{Ma}$: 0.3 1.0 0.0

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_a = *j75g* *LAB*LAB*$_a$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_a = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*$_{Ma}$: 48 −60 43
*LAB*LCH*$_{Ma}$: 48 74 144
*lab*rgb*$_{Ma}$: 0.25 1.0 0.0
*lab*olv*$_{Ma}$: 0.0 1.0 0.03




Input and output: Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u*e and number no. = 00 .. 15
elementary hue text:
u*e = 16 hues r00j, r25j, ..., b75r
contrast reduction factor:
cR = 1.0
FRS12_95a; adapted (a) CIELAB data
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
u*e
LAB*LCH*a
no.
LAB*LCH*a
greenish
Yellow J
redish
yellowish
Green G
Red R
bluish
greenish
Blue B
redish
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.071
u*e = r00j
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = r00j u*a = m81o
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 38 63 30
LAB*LCH*Ma: 38 70 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.117
u*e = r25j
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = r25j u*a = o10y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 42 55 49
LAB*LCH*Ma: 42 74 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.11 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.164
u*e = r50j
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = r50j u*a = o40y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 54 39 65
LAB*LCH*Ma: 54 76 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.4 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.21
u*e = r75j
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = r75j u*a = o69y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 67 21 83
LAB*LCH*Ma: 67 86 75
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.7 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.256
u*e = j00q
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = j00q u*a = o98y
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 86 -4 109
LAB*LCH*Ma: 86 109 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.305
u*e = j25q
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = j25q u*a = y34l
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 70 -30 83
LAB*LCH*Ma: 70 88 109
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.66 1.0 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.354
u*e = j50q
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = j50q u*a = y69l
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 57 -48 63
LAB*LCH*Ma: 57 80 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.3 1.0 0.0
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue h* = lab*h* = hab/360 = 0.402
u*e = j75q
LAB*LCH*a
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u*e = j75q u*a = l03c
contrast reduction factor:
cR = 1.0
triangle lightness t*
Data for maximum colour (Ma):
LAB*LAB*Ma: 48 -60 43
LAB*LCH*Ma: 48 74 144
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.03
%Gamut u*ul = 109
%Regularity g*H,ul = 31 g*C,ul = 40
FRS12_95a; adapted (a) CIELAB data
LAB*a
brilliantness j*
relative chroma c*

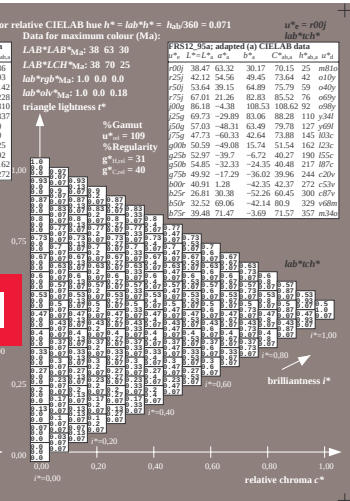
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0



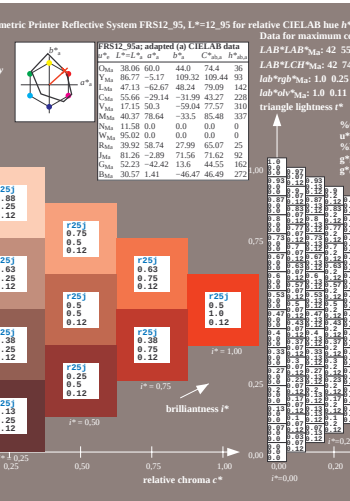
FRS12_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	*m81o*
r25j	42.12	54.56	49.45	73.64	42	*o10y*
r50j	53.64	39.15	64.89	75.79	59	*o40y*
r75j	67.01	21.26	82.83	85.52	76	*o69y*
j00g	86.18	−4.38	108.53	108.62	92	*o98y*
j25g	69.73	−29.89	83.06	88.28	110	*y34l*
j50g	57.03	−48.31	63.49	79.78	127	*y69l*
j75g	47.73	−60.33	42.64	73.88	145	*l03c*
g00b	50.59	−49.08	15.74	51.54	162	*l23c*
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*
b00r	40.91	1.28	−42.35	42.37	272	*c53v*
b25r	26.81	30.38	−52.26	60.45	300	*c87v*
b50r	32.52	69.06	−42.14	80.9	329	*v68m*
b75r	39.48	71.47	−3.69	71.57	357	*m34o*

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

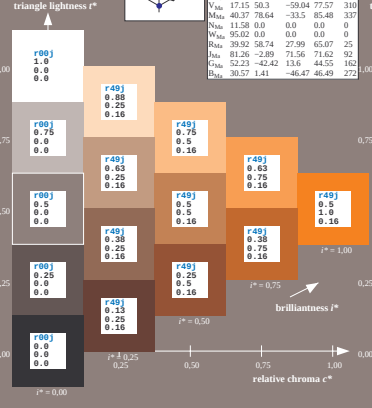
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e = *r00j* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_a = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 38 63 30
*LAB*LCH*Ma*: 38 70 25
*lab*rgb*Ma*: 1.0 0.0 0.0
*lab*olv*Ma*: 1.0 0.0 0.18



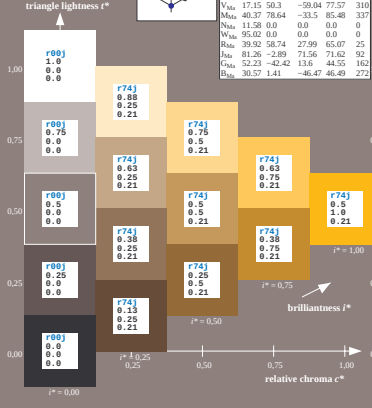
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e = *r25j* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_a = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 42 55 49
*LAB*LCH*Ma*: 42 74 42
*lab*rgb*Ma*: 1.0 0.25 0.0
*lab*olv*Ma*: 1.0 0.11 0.0



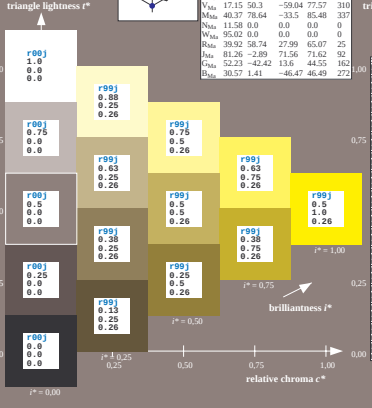
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_e = *r50j* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_a = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 54 39 65
*LAB*LCH*Ma*: 54 76 58
*lab*rgb*Ma*: 1.0 0.5 0.0
*lab*olv*Ma*: 1.0 0.4 0.0



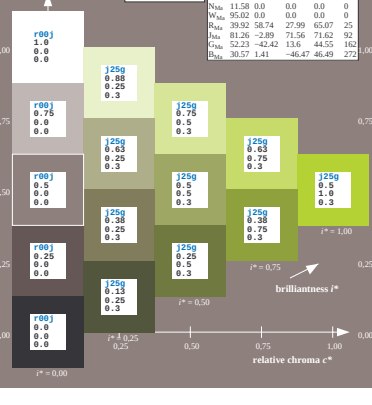
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_e = *r75j* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_a = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 67 21 83
*LAB*LCH*Ma*: 67 86 75
*lab*rgb*Ma*: 1.0 0.75 0.0
*lab*olv*Ma*: 1.0 0.7 0.0



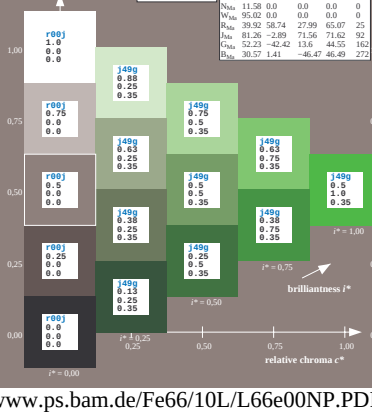
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e = *j00g* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_a = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 86 −4 109
*LAB*LCH*Ma*: 86 109 92
*lab*rgb*Ma*: 1.0 1.0 0.0
*lab*olv*Ma*: 1.0 0.99 0.0



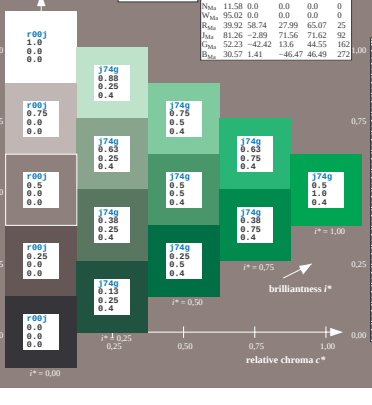
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e = *j25g* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_a = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 70 −30 83
*LAB*LCH*Ma*: 70 88 109
*lab*rgb*Ma*: 0.75 1.0 0.0
*lab*olv*Ma*: 0.66 1.0 0.0



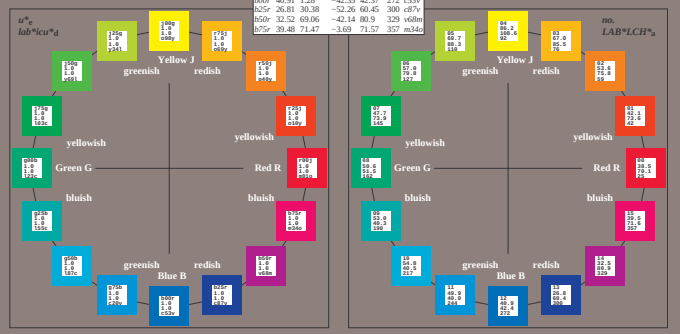
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_e = *j50g* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_a = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 57 −48 63
*LAB*LCH*Ma*: 57 80 127
*lab*rgb*Ma*: 0.5 1.0 0.0
*lab*olv*Ma*: 0.3 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_e = *j75g* *lab*tch**
data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_a = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *
Data for maximum colour (Ma):
*LAB*LAB*Ma*: 48 −60 43
*LAB*LCH*Ma*: 48 74 144
*lab*rgb*Ma*: 0.25 1.0 0.0
*lab*olv*Ma*: 0.0 1.0 0.03



Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0



FRS12_95a; adapted (a) CIELAB data

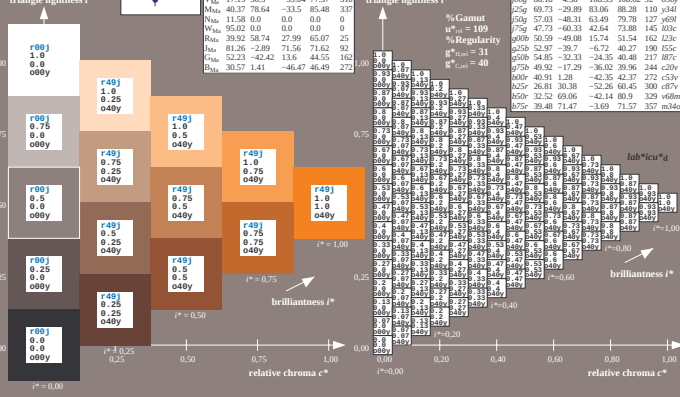
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

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

FRS12_95a; adapted (a) CIELAB data

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

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e = *r00j* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_d = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



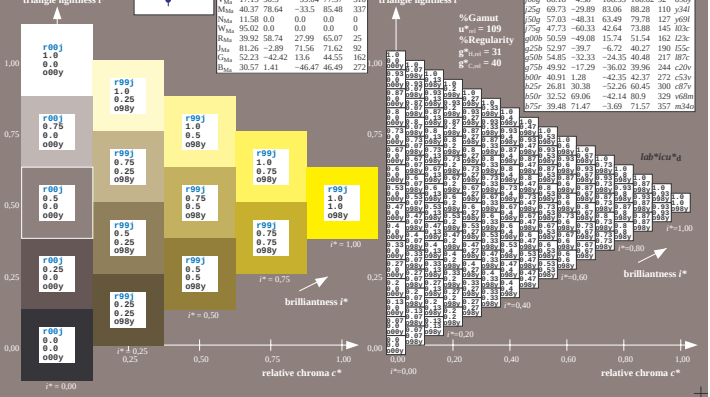
Data for maximum colour (Ma):
*LAB*LAB**Ma: 38 63 30
*LAB*LCH**Ma: 38 70 25
*lab*rgb**Ma: 1.0 0.0 0.0
*lab*olv**Ma: 1.0 0.0 0.18
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e = *r25j* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_d = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



Data for maximum colour (Ma):
*LAB*LAB**Ma: 42 55 49
*LAB*LCH**Ma: 42 74 42
*lab*rgb**Ma: 1.0 0.25 0.0
*lab*olv**Ma: 1.0 0.11 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_e = *r50j* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_d = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**Ma: 54 39 65
*LAB*LCH**Ma: 54 76 58
*lab*rgb**Ma: 1.0 0.5 0.0
*lab*olv**Ma: 1.0 0.4 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_e = *r75j* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_d = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

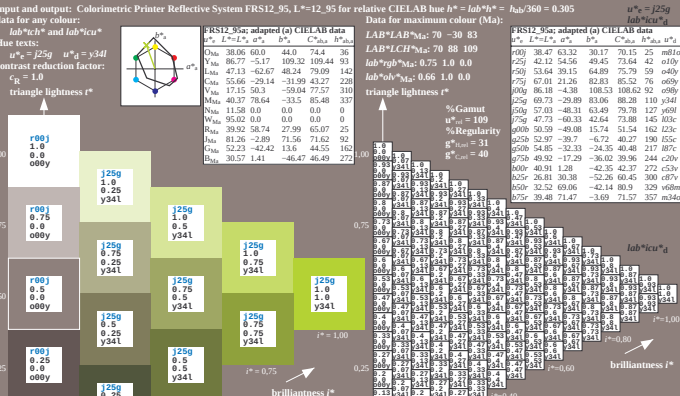
Data for maximum colour (Ma):
*LAB*LAB**Ma: 67 21 83
*LAB*LCH**Ma: 67 86 75
*lab*rgb**Ma: 1.0 0.75 0.0
*lab*olv**Ma: 1.0 0.7 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e = *j00g* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_d = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



Data for maximum colour (Ma):
*LAB*LAB**Ma: 86 −4 109
*LAB*LCH**Ma: 86 109 92
*lab*rgb**Ma: 1.0 1.0 0.0
*lab*olv**Ma: 1.0 0.99 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e = *j25g* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_d = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

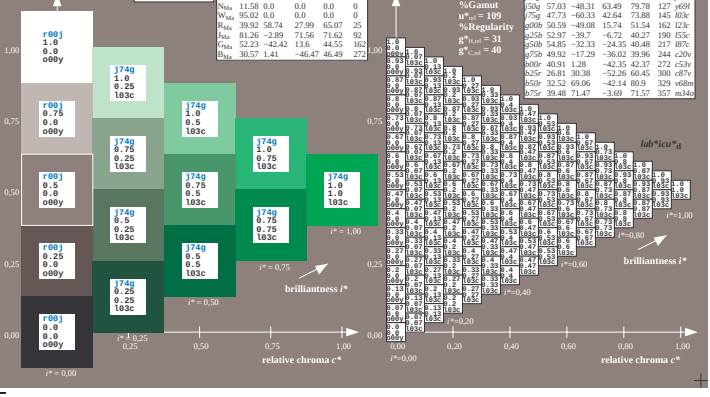
Data for maximum colour (Ma):
*LAB*LAB**Ma: 70 −30 83
*LAB*LCH**Ma: 70 88 109
*lab*rgb**Ma: 0.75 1.0 0.0
*lab*olv**Ma: 0.66 1.0 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_e = *j50g* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_d = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**



Data for maximum colour (Ma):
*LAB*LAB**Ma: 57 −48 63
*LAB*LCH**Ma: 57 80 127
*lab*rgb**Ma: 0.5 1.0 0.0
*lab*olv**Ma: 0.3 1.0 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

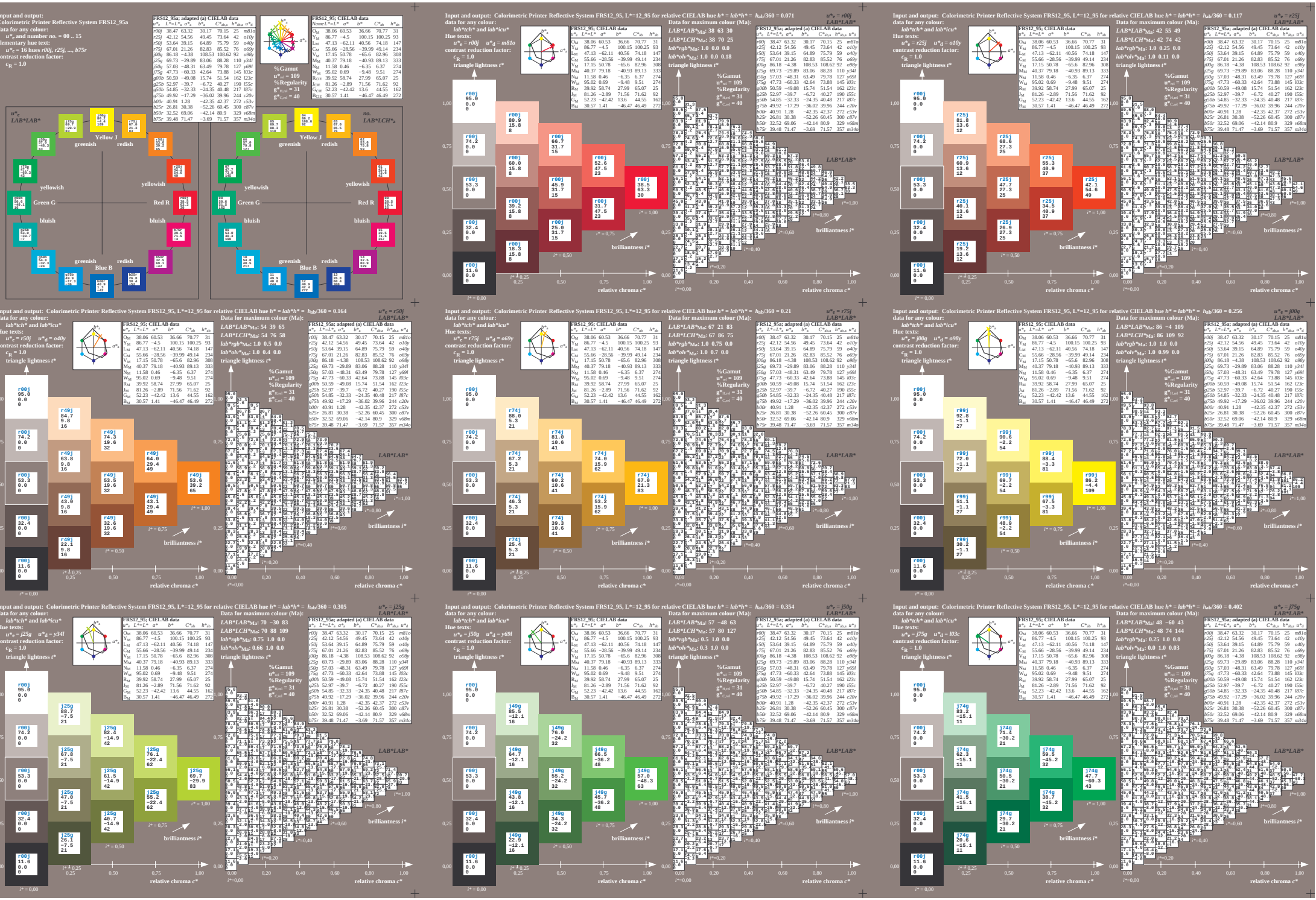
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_e = *j75g* $lab^*icu^*_d$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_d = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**Ma: 48 −60 43
*LAB*LCH**Ma: 48 74 144
*lab*rgb**Ma: 0.25 1.0 0.0
*lab*olv**Ma: 0.0 1.0 0.03
triangle lightness *t**

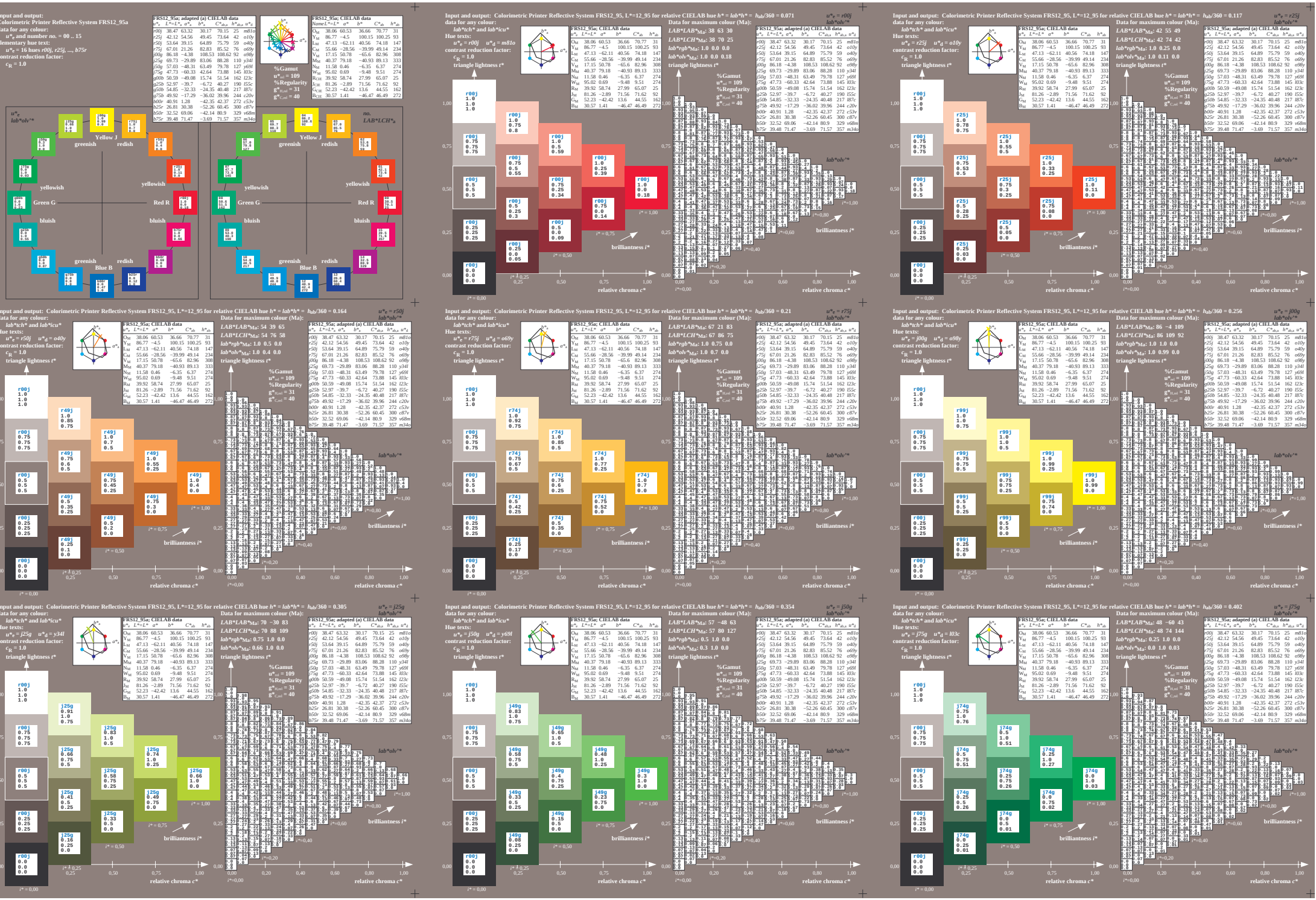
%Gamut
u^*_{ref} = 109
%Regularity
$g^*_{R,ref}$ = 31
$g^*_{C,ref}$ = 40

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	38.47	63.32	30.17	70.15	25	m81o
r25j	42.12	54.56	49.45	73.64	42	o10y
r50j	53.64	39.15	64.89	75.79	59	o40y
r75j	67.01	21.26	82.83	85.52	76	o69y
j00g	86.18	−4.38	108.53	108.62	92	o98y
j25g	69.73	−29.89	83.06	88.28	110	y34l
j50g	57.03	−48.31	63.49	79.78	127	y69l
j75g	47.73	−60.33	42.64	73.88	145	l03c
g00b	50.59	−49.08	15.74	51.54	162	l23c
g25b	52.97	−39.7	−6.72	40.27	190	l55c
g50b	54.85	−32.33	−24.35	40.48	217	l87c
g75b	49.92	−17.29	−36.02	39.96	244	c20v
b00r	40.91	1.28	−42.35	42.37	272	c53v
b25r	26.81	30.38	−52.26	60.45	300	c87v
b50r	32.52	69.06	−42.14	80.9	329	v68m
b75r	39.48	71.47	−3.69	71.57	357	m34o

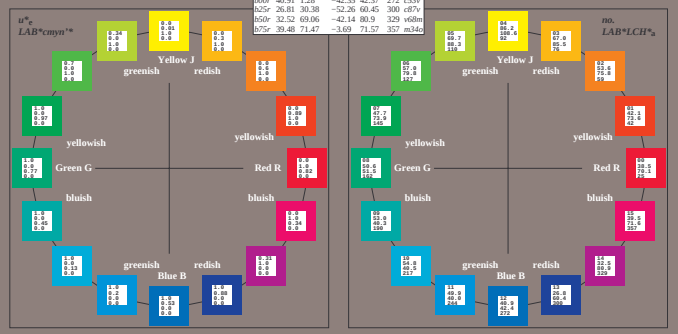


http://www.ps.bam.de/Fe66/10L/L66e00NP.PDF/ .PS, Page 13/15; FRS12_95, L*=12_95



http://www.ps.bam.de/Fe66/10L/L66e00NP.PDF/ .PS, Page 14/15; FRS12_95, L*=12_95

Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 1.0



FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	u^*_a
r00j	38.47	63.32	30.17	70.15	25	*m81o*
r25j	42.12	54.56	49.45	73.64	42	*o10y*
r50j	53.64	39.15	64.89	75.79	59	*o40y*
r75j	67.01	21.26	82.83	85.52	76	*o69y*
j00g	86.18	−4.38	108.53	108.62	92	*o98y*
j25g	69.73	−29.89	83.06	88.28	110	*y34l*
j50g	57.03	−48.31	63.49	79.78	127	*y69l*
j75g	47.73	−60.33	42.64	73.88	145	*l03c*
g00b	50.59	−49.08	15.74	51.54	162	*l23c*
g25b	52.97	−39.7	−6.72	40.27	190	*l55c*
g50b	54.85	−32.33	−24.35	40.48	217	*l87c*
g75b	49.92	−17.29	−36.02	39.96	244	*c20v*
b00r	40.91	1.28	−42.35	42.37	272	*c53v*
b25r	26.81	30.38	−52.26	60.45	300	*c87v*
b50r	32.52	69.06	−42.14	80.9	329	*v68m*
b75r	39.48	71.47	−3.69	71.57	357	*m34o*

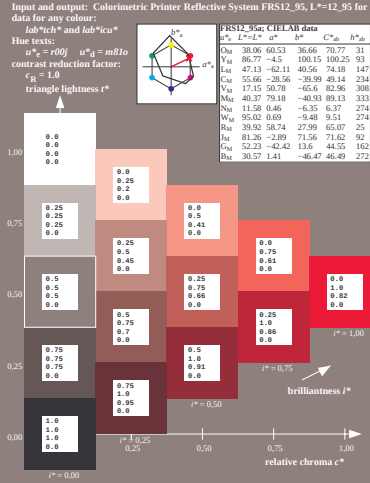
FRS12_95a; CIELAB data

	L^*	a^*	b^*	C^*_{ab}	h^*_{ab}
O_{Gt}	38.06	60.53	36.66	70.77	31
Y_{Gt}	86.77	−4.5	100.15	100.25	93
L_{Gt}	47.13	−62.11	40.56	74.18	147
C_{Gt}	55.66	−28.56	−39.99	49.14	234
V_{Gt}	17.15	50.78	−65.6	82.96	308
M_{Gt}	40.37	79.18	−40.93	89.13	333
N_{Gt}	11.58	0.46	−6.35	6.37	274
W_{Gt}	95.02	0.69	−9.48	9.51	274
R_{Gt}	39.92	58.74	27.99	65.07	25
J_{Gt}	81.26	−2.89	71.56	71.62	92
C_{Gt}	52.23	−42.42	13.6	44.55	162
B_{Gt}	30.57	1.41	−46.47	46.49	272

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

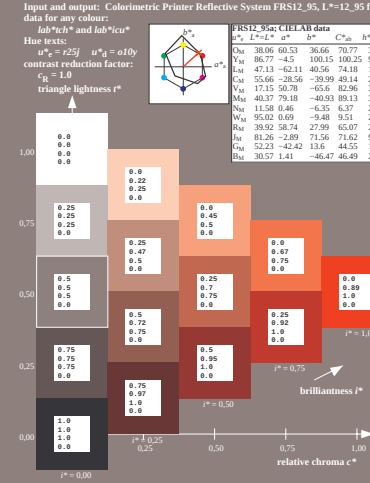
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e = *r00j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *r00j* u^*_a = *m81o*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 38 63 30
*LAB*LCH**$_{Ma}$: 38 70 25
*lab*rgb**$_{Ma}$: 1.0 0.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.0 0.18



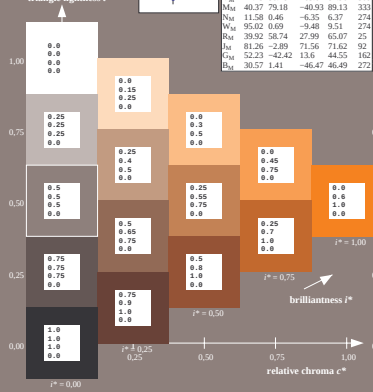
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e = *r25j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *r25j* u^*_a = *o10y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 42 55 49
*LAB*LCH**$_{Ma}$: 42 74 42
*lab*rgb**$_{Ma}$: 1.0 0.25 0.0
*lab*olv**$_{Ma}$: 1.0 0.11 0.0



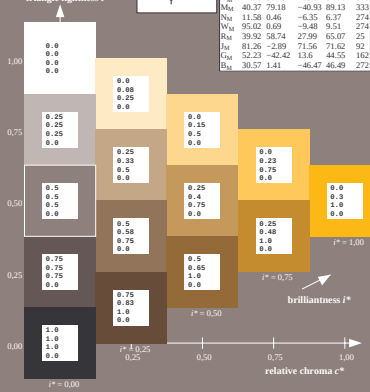
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_e = *r50j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *r50j* u^*_a = *o40y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 54 39 65
*LAB*LCH**$_{Ma}$: 54 76 58
*lab*rgb**$_{Ma}$: 1.0 0.5 0.0
*lab*olv**$_{Ma}$: 1.0 0.4 0.0



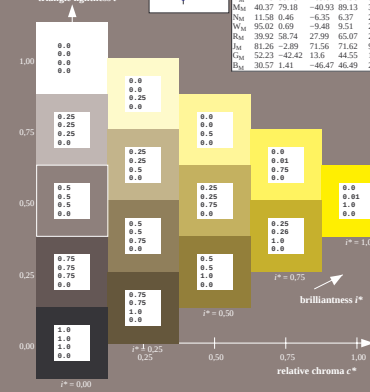
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_e = *r75j*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *r75j* u^*_a = *o69y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 67 21 83
*LAB*LCH**$_{Ma}$: 67 86 75
*lab*rgb**$_{Ma}$: 1.0 0.75 0.0
*lab*olv**$_{Ma}$: 1.0 0.7 0.0



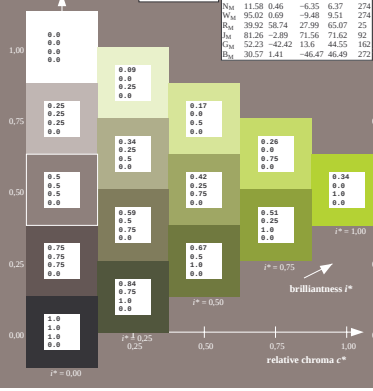
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e = *j00g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *j00g* u^*_a = *o98y*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 86 −4 109
*LAB*LCH**$_{Ma}$: 86 109 92
*lab*rgb**$_{Ma}$: 1.0 1.0 0.0
*lab*olv**$_{Ma}$: 1.0 0.99 0.0



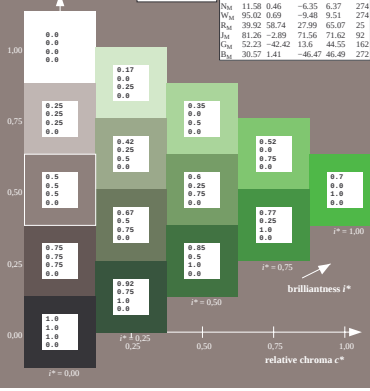
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e = *j25g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *j25g* u^*_a = *y34l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

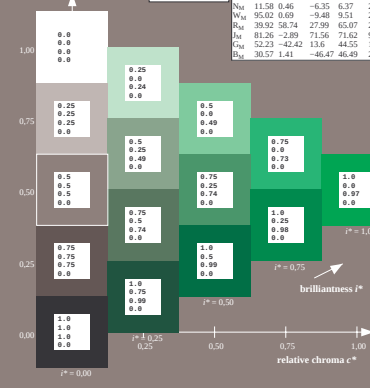
Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 70 −30 83
*LAB*LCH**$_{Ma}$: 70 88 109
*lab*rgb**$_{Ma}$: 0.75 1.0 0.0
*lab*olv**$_{Ma}$: 0.66 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_e = *j50g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *j50g* u^*_a = *y69l*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 57 −48 63
*LAB*LCH**$_{Ma}$: 57 80 127
*lab*rgb**$_{Ma}$: 0.5 1.0 0.0
*lab*olv**$_{Ma}$: 0.3 1.0 0.0



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=12_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_e = *j75g*
data for any colour:
*lab*ch** and *lab*icu**
Hue texts: u^*_e = *j75g* u^*_a = *l03c*
contrast reduction factor:
c_R = 1.0
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$: 48 −60 43
*LAB*LCH**$_{Ma}$: 48 74 144
*lab*rgb**$_{Ma}$: 0.25 1.0 0.0
*lab*olv**$_{Ma}$: 0.0 1.0 0.03