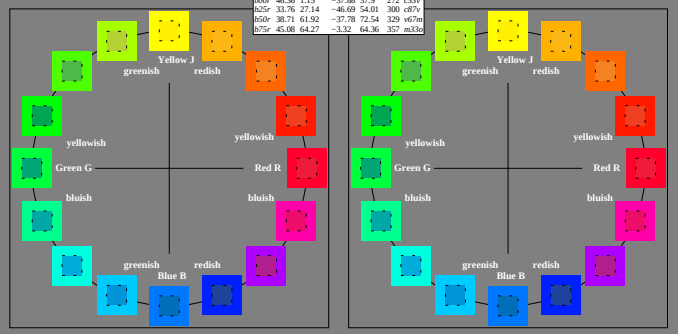
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e **and number** $no.$ **= 00 .. 15**
elementary hue text:
u^*_e **= 16 hues** *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R **= 0.9**

FRS12_95a: adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*



FRS12_95a: adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mu}	43.8	53.91	39.75	66.98	36
Y_{Mu}	87.58	−4.65	98.29	98.4	93
L_{Mu}	51.95	−56.34	43.53	71.2	142
C_{Mu}	59.62	−26.2	−28.62	38.8	228
V_{Mu}	25.01	45.2	−52.8	69.51	311
M_{Mu}	45.88	70.67	−29.93	76.75	337
N_{Mu}	20.0	0.0	0.0	0.0	0
W_{Mu}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272

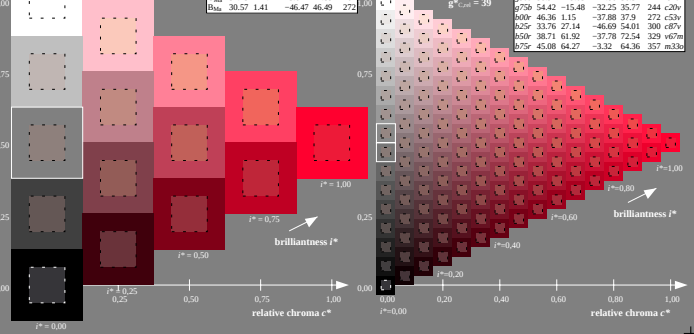
%Gamut
u^*_{col} = 88
%Regularity
$g^*_{H,col}$ = 31
$g^*_{C,col}$ = 39

Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e **= r00j**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= r00j** u^*_{d} **= m81o**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 44 57 27**
*LAB*LCH**$_{Ma}$**: 44 63 25**
*lab*rgb**$_{Ma}$**: 1.0 0.0 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.0 0.18**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

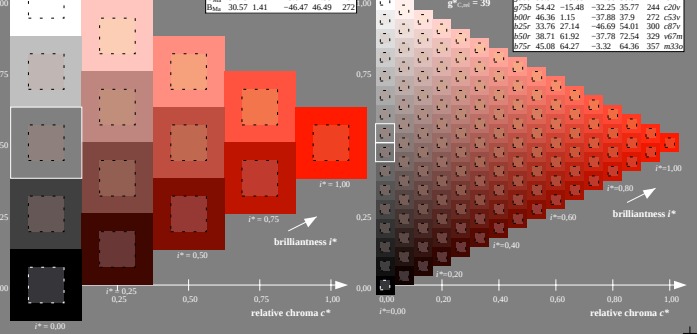


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e **= r25j**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= r25j** u^*_{d} **= o10y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 47 49 45**
*LAB*LCH**$_{Ma}$**: 47 66 42**
*lab*rgb**$_{Ma}$**: 1.0 0.25 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.1 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

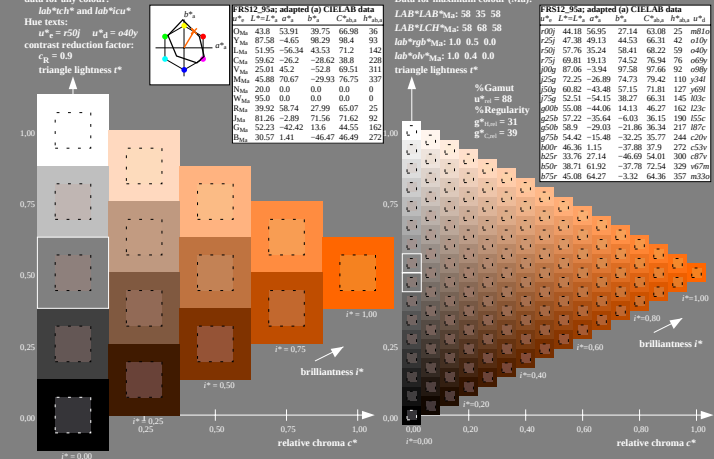


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e **= r50j**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= r50j** u^*_{d} **= o40y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 58 35 58**
*LAB*LCH**$_{Ma}$**: 58 68 58**
*lab*rgb**$_{Ma}$**: 1.0 0.5 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.4 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

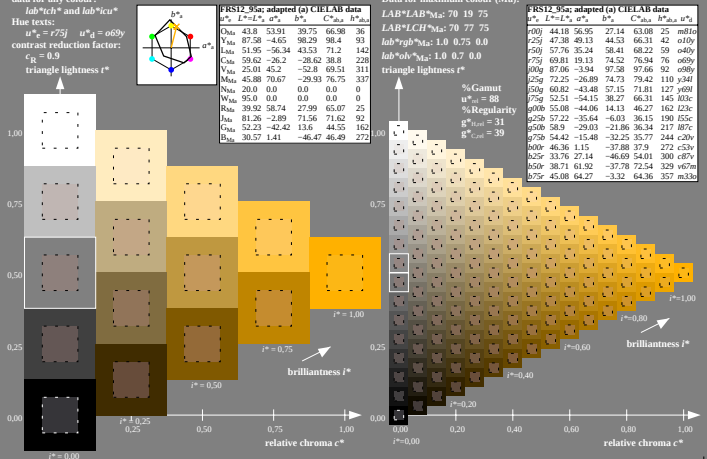


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e **= r75j**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= r75j** u^*_{d} **= o69y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 70 19 75**
*LAB*LCH**$_{Ma}$**: 70 77 75**
*lab*rgb**$_{Ma}$**: 1.0 0.75 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.7 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

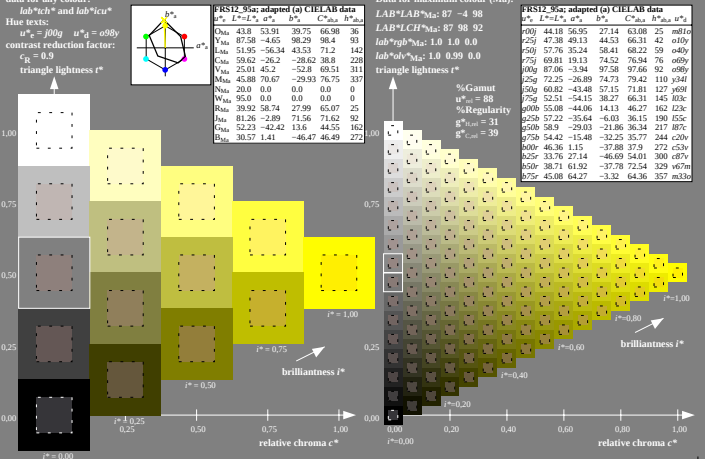


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e **= j00g**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= j00g** u^*_{d} **= o98y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 87 −4 98**
*LAB*LCH**$_{Ma}$**: 87 98 92**
*lab*rgb**$_{Ma}$**: 1.0 1.0 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.99 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

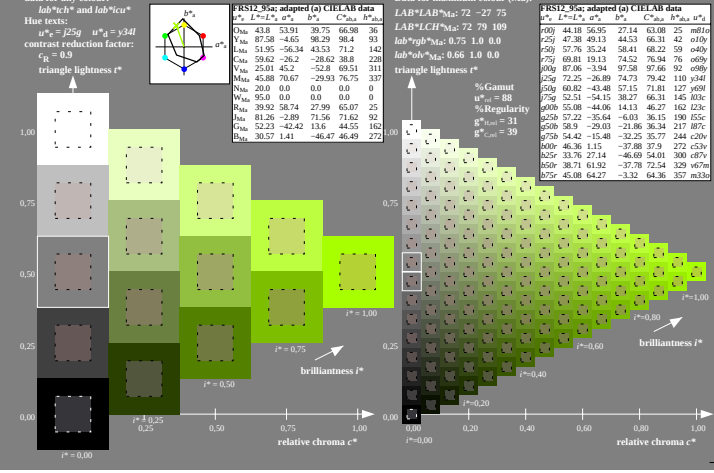


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e **= j25g**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= j25g** u^*_{d} **= y34l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 72 −27 75**
*LAB*LCH**$_{Ma}$**: 72 79 109**
*lab*rgb**$_{Ma}$**: 0.75 1.0 0.0**
*lab*olv**$_{Ma}$**: 0.66 1.0 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

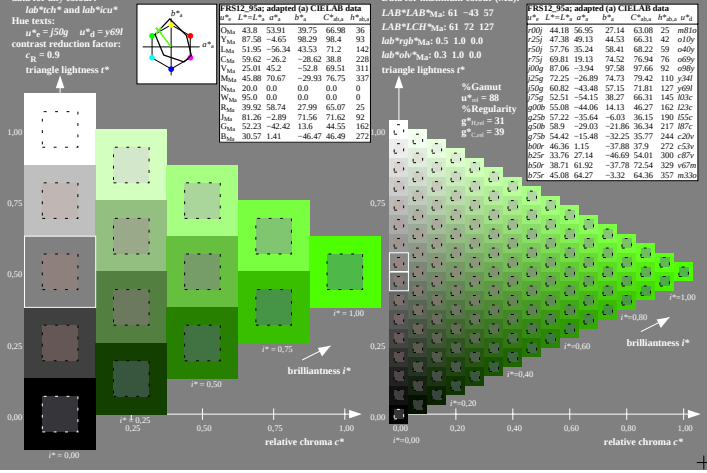


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e **= j50g**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= j50g** u^*_{d} **= y69l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 61 −43 57**
*LAB*LCH**$_{Ma}$**: 61 72 127**
*lab*rgb**$_{Ma}$**: 0.5 1.0 0.0**
*lab*olv**$_{Ma}$**: 0.3 1.0 0.0**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

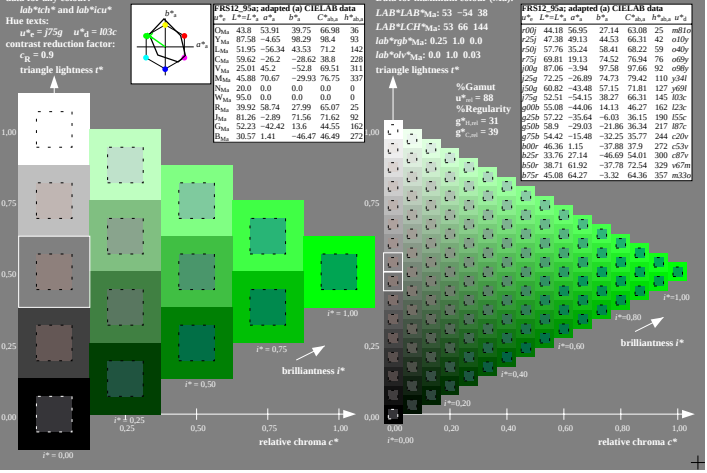


Input and output: **Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue** $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e **= j75g**
data for any colour:
*lab*tch* and lab*icu**
Hue texts:
u^*_e **= j75g** u^*_{d} **= l03c**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 53 −54 38**
*LAB*LCH**$_{Ma}$**: 53 66 144**
*lab*rgb**$_{Ma}$**: 0.25 1.0 0.0**
*lab*olv**$_{Ma}$**: 0.0 1.0 0.03**
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*



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 **= 0.9**

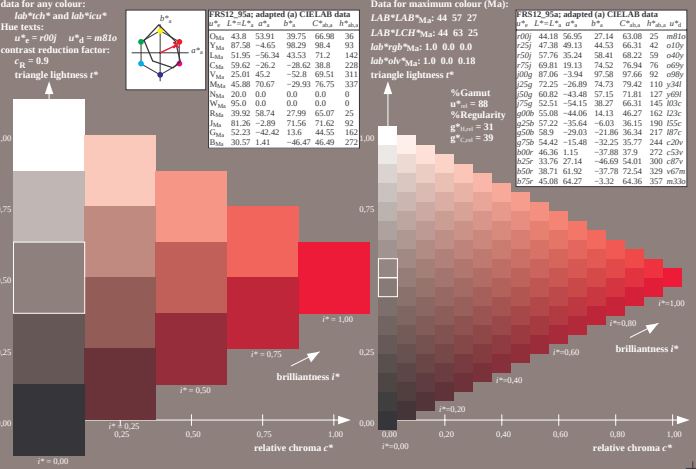
FRS12_95a: adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

FRS12_95a: adapted (a) CIELAB data							
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$		
O_{Mn}	43.8	53.91	39.75	66.98	36		
Y_{Mn}	87.58	−4.65	98.29	98.4	93		
L_{Mn}	51.95	−56.34	43.53	71.2	142		
C_{Mn}	59.62	−26.2	−28.62	38.8	228		
V_{Mn}	25.01	45.2	−52.8	69.51	311		
M_{Mn}	45.88	70.67	−29.93	76.75	337		
N_{Mn}	20.0	0.0	0.0	0.0	0		
W_{Mn}	95.0	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} **= 88**
%Regularity
$g^*_{H,col}$ **= 31**
$g^*_{C,col}$ **= 39**

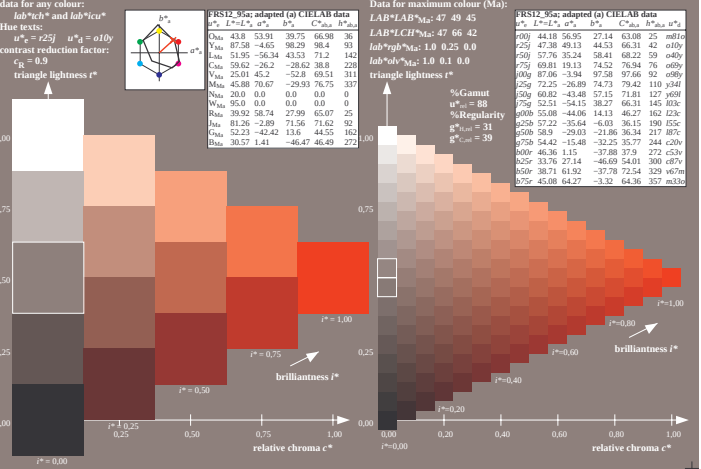
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e **= r00j**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= r00j** u^*_{alt} **= *m81o***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 44 57 27**
***LAB*LCH*Ma*: 44 63 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.18**



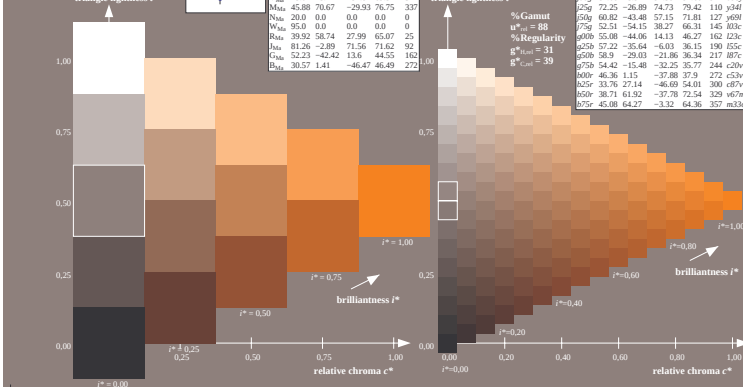
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e **= r25j**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= r25j** u^*_{alt} **= *o10y***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 47 49 45**
***LAB*LCH*Ma*: 47 66 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.1 0.0**



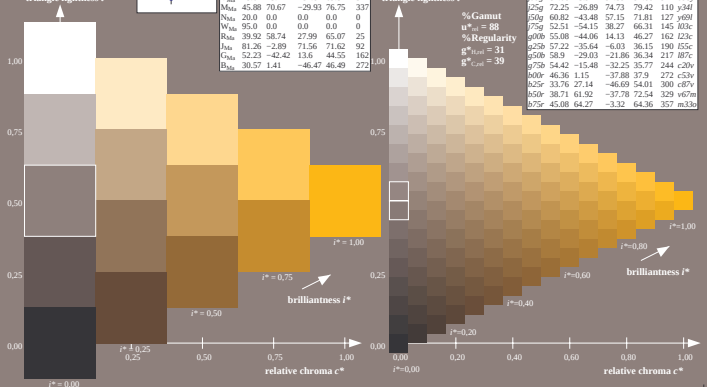
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e **= r50j**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= r50j** u^*_{alt} **= *o40y***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 58 35 58**
***LAB*LCH*Ma*: 58 68 58**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.4 0.0**



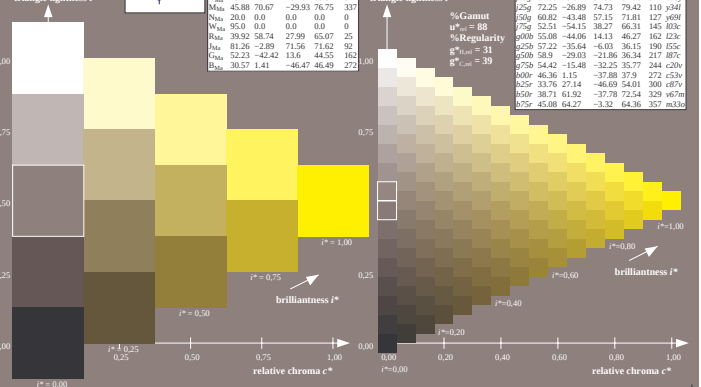
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e **= r75j**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= r75j** u^*_{alt} **= *o69y***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 70 19 75**
***LAB*LCH*Ma*: 70 77 75**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.7 0.0**



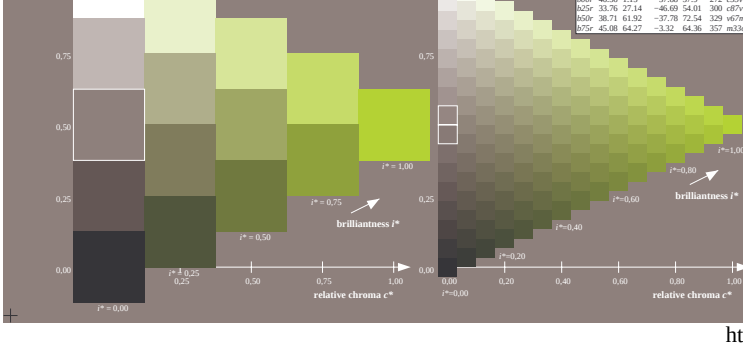
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e **= j00g**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= j00g** u^*_{alt} **= *o98y***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −4 98**
***LAB*LCH*Ma*: 87 98 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.99 0.0**



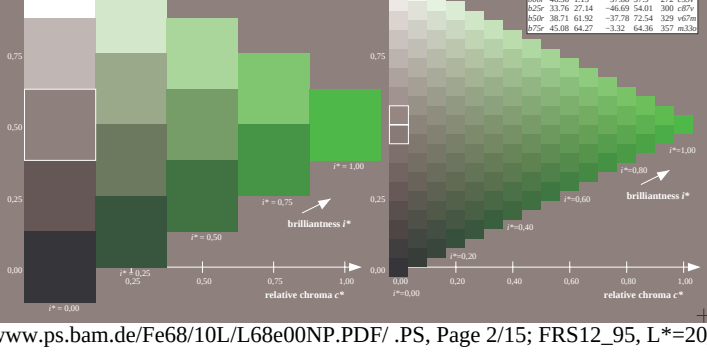
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e **= j25g**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= j25g** u^*_{alt} **= *y34l***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 72 −27 75**
***LAB*LCH*Ma*: 72 79 109**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.66 1.0 0.0**



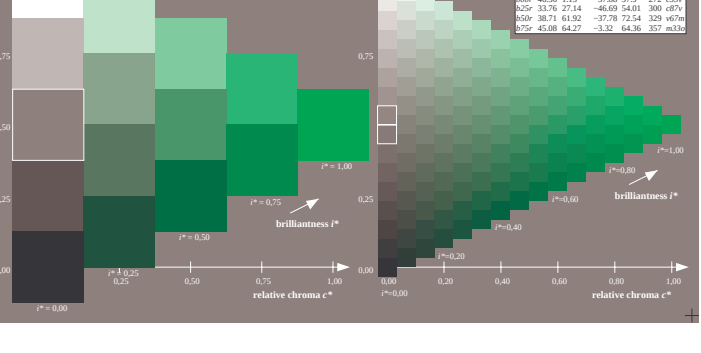
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e **= j50g**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= j50g** u^*_{alt} **= *y69l***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 61 −43 57**
***LAB*LCH*Ma*: 61 72 127**
***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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e **= j75g**
data for any colour:
lab*ch* and lab*icu*
Hue texts:
u^*_e **= j75g** u^*_{alt} **= *l03c***
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*

Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −54 38**
***LAB*LCH*Ma*: 53 66 144**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.03**



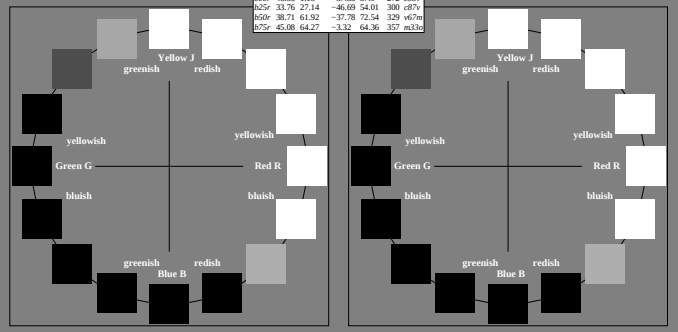
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e **and number** *no.* **= 00 .. 15**
elementary hue text:
u^*_e **= 16 hues** *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R **= 0.9**

FRS12_95a: adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_E
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

FRS12_95a: adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.8	53.91	39.75	66.98	36
Y_{Ma}	87.58	−4.65	98.29	98.4	93
L_{Ma}	51.95	−56.34	43.53	71.2	142
C_{Ma}	59.62	−26.2	−28.62	38.8	228
V_{Ma}	25.01	45.2	−52.8	69.51	311
M_{Ma}	45.88	70.67	−29.93	76.75	337
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



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

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e **= r00j**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= r00j** u^*_{id} **= m81o**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 44 57 27
LAB*LCH*Ma: 44 63 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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e **= r25j**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= r25j** u^*_{id} **= o10y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 47 49 45
LAB*LCH*Ma: 47 66 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.1 0.0

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e **= r50j**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= r50j** u^*_{id} **= o40y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 58 35 58
LAB*LCH*Ma: 58 68 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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e **= r75j**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= r75j** u^*_{id} **= o69y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 70 19 75
LAB*LCH*Ma: 70 77 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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e **= j00g**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= j00g** u^*_{id} **= o98y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 87 −4 98
LAB*LCH*Ma: 87 98 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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e **= j25g**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= j25g** u^*_{id} **= y34l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 72 −27 75
LAB*LCH*Ma: 72 79 109
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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e **= j50g**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= j50g** u^*_{id} **= y69l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 61 −43 57
LAB*LCH*Ma: 61 72 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.3 1.0 0.0

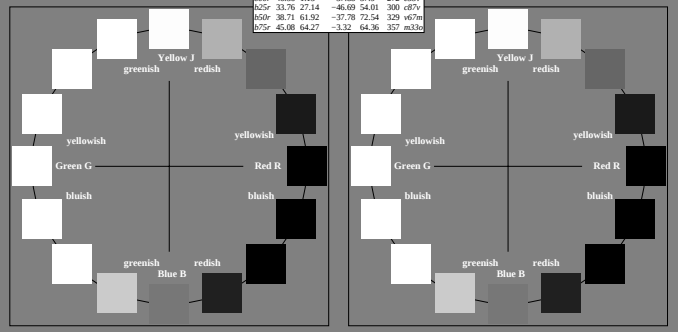
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e **= j75g**
data for any colour:
*lab*tch** **and** *lab*icu**
Hue texts:
u^*_e **= j75g** u^*_{id} **= l03c**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
LAB*LAB*Ma: 53 −54 38
LAB*LCH*Ma: 53 66 144
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 **= 0.9**

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$	u^*_e
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*



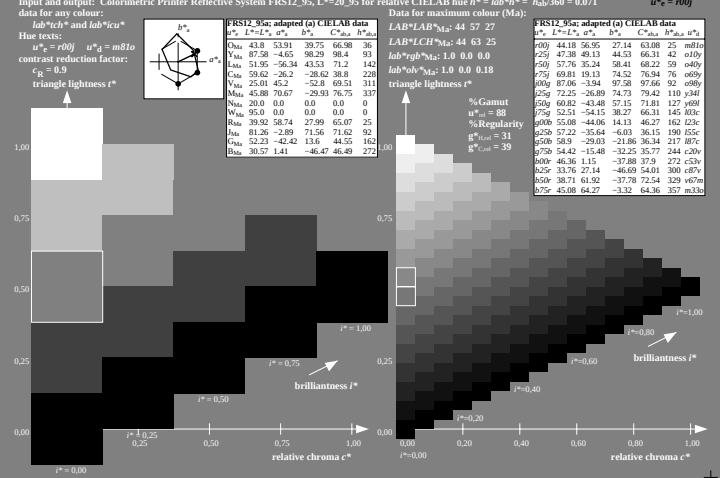
FRS12_95a; adapted (a) CIELAB data

Name	$L^*=L^*_e$	a^*_e	b^*_e	$C^*_{ab,e}$	$h^*_{ab,e}$
O_{Mu}	43.8	53.91	39.75	66.98	36
Y_{Mu}	87.58	−4.65	98.29	98.4	93
L_{Mu}	51.95	−56.34	43.53	71.2	142
C_{Mu}	59.62	−26.2	−28.62	38.8	228
V_{Mu}	25.01	45.2	−52.8	69.51	311
M_{Mu}	45.88	70.67	−29.93	76.75	337
W_{Mu}	95.0	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} = 88
%Regularity
$g^*_{H,col}$ = 31
$g^*_{C,col}$ = 39

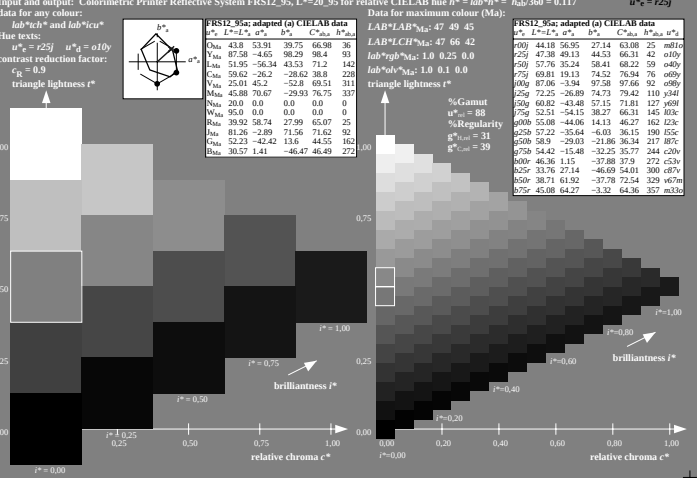
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e **= r00j**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= r00j** u^*_{d8} **= m81o**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 44 57 27**
*LAB*LCH**$_{Ma}$**: 44 63 25**
*lab*rgb**$_{Ma}$**: 1.0 0.0 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.0 0.18**



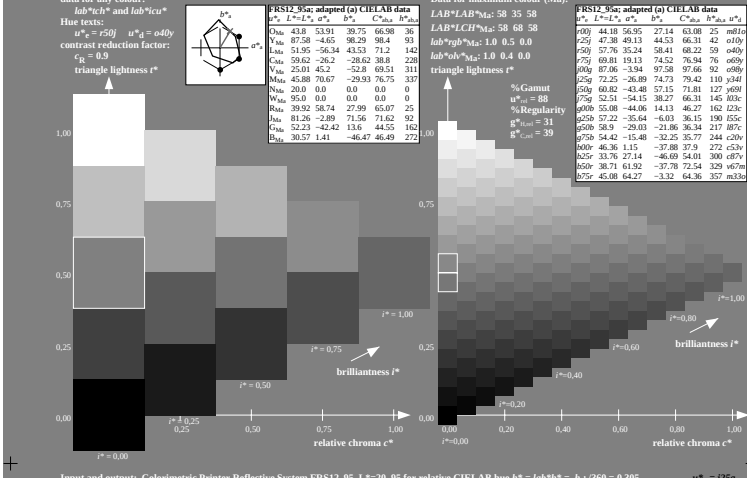
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e **= r25j**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= r25j** u^*_{d8} **= o10y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 47 49 45**
*LAB*LCH**$_{Ma}$**: 47 66 42**
*lab*rgb**$_{Ma}$**: 1.0 0.25 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.1 0.0**



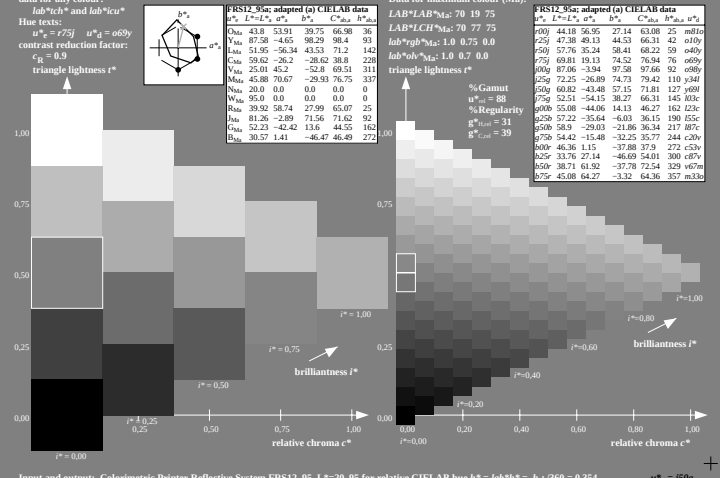
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e **= r50j**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= r50j** u^*_{d8} **= o40y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 58 35 58**
*LAB*LCH**$_{Ma}$**: 58 68 58**
*lab*rgb**$_{Ma}$**: 1.0 0.5 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.4 0.0**



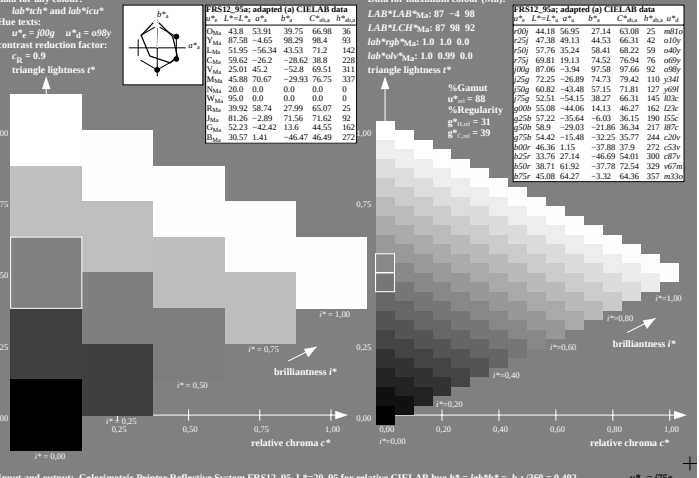
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e **= r75j**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= r75j** u^*_{d8} **= o69y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 70 19 75**
*LAB*LCH**$_{Ma}$**: 70 77 75**
*lab*rgb**$_{Ma}$**: 1.0 0.75 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.7 0.0**



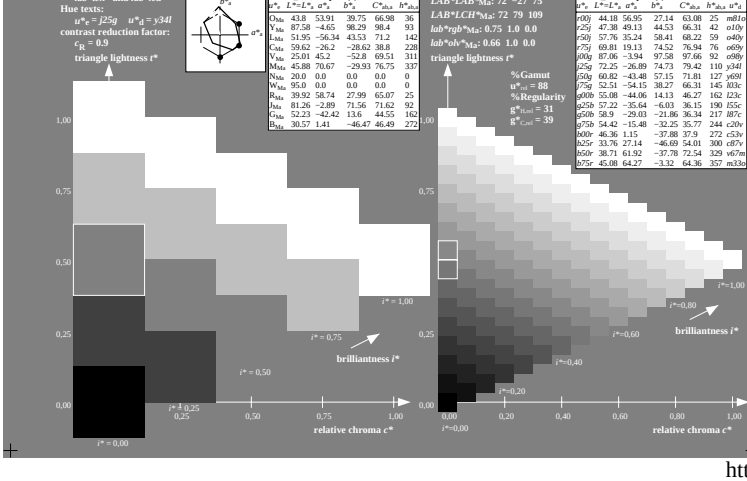
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e **= j00g**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= j00g** u^*_{d8} **= o98y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 87 −4 98**
*LAB*LCH**$_{Ma}$**: 87 98 92**
*lab*rgb**$_{Ma}$**: 1.0 1.0 0.0**
*lab*olv**$_{Ma}$**: 1.0 0.99 0.0**



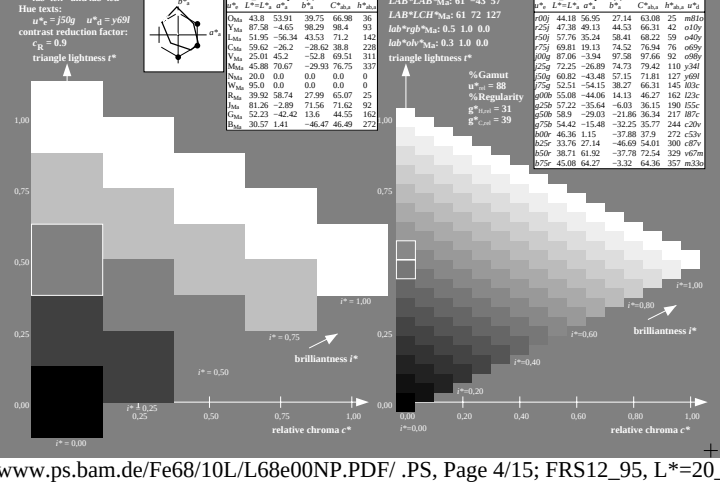
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e **= j25g**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= j25g** u^*_{d8} **= y34l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 72 −27 75**
*LAB*LCH**$_{Ma}$**: 72 79 109**
*lab*rgb**$_{Ma}$**: 0.75 1.0 0.0**
*lab*olv**$_{Ma}$**: 0.66 1.0 0.0**



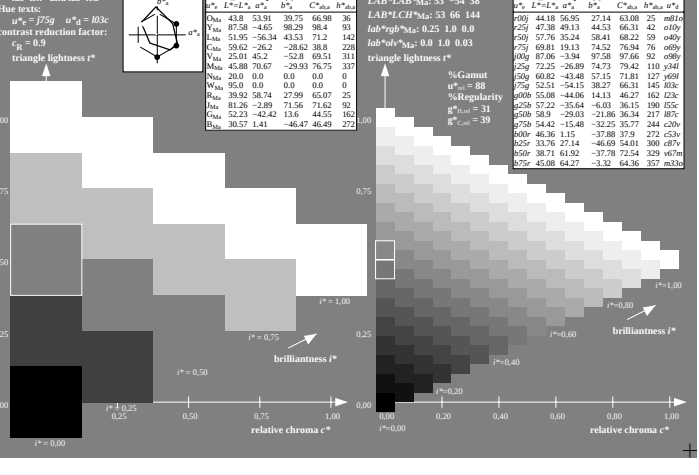
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e **= j50g**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= j50g** u^*_{d8} **= y69l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 61 −43 57**
*LAB*LCH**$_{Ma}$**: 61 72 127**
*lab*rgb**$_{Ma}$**: 0.5 1.0 0.0**
*lab*olv**$_{Ma}$**: 0.3 1.0 0.0**



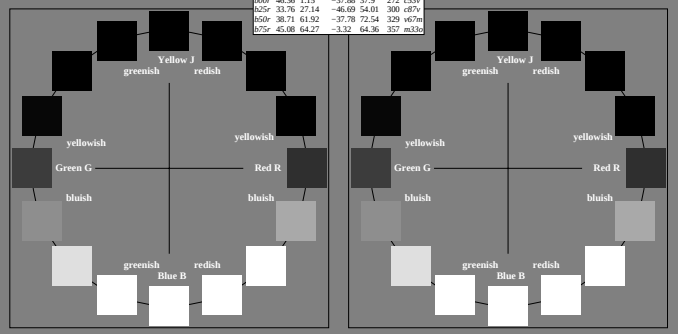
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e **= j75g**
data for any colour:
*lab*ch** **and** *lab*icu**
Hue texts:
u^*_e **= j75g** u^*_{d8} **= l03c**
contrast reduction factor:
c_R **= 0.9**
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB**$_{Ma}$**: 53 −54 38**
*LAB*LCH**$_{Ma}$**: 53 66 144**
*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 **= 0.9**

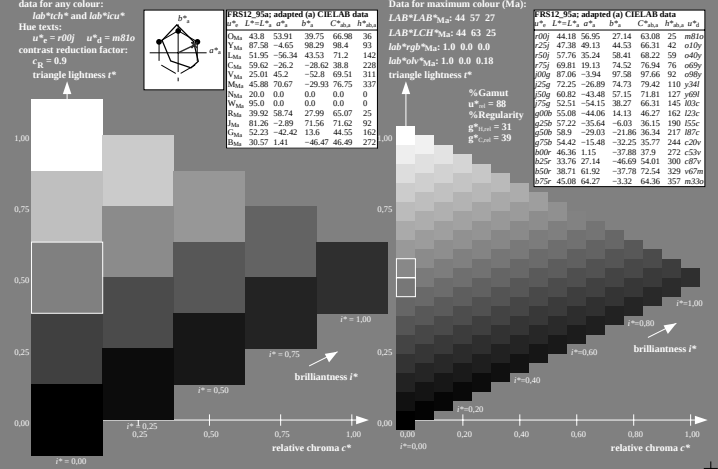
FRS12_95a: adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*



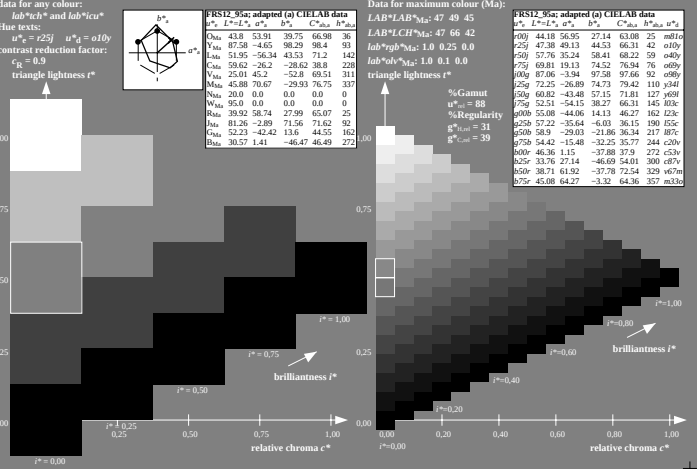
FRS12_95a: adapted (a) CIELAB data						
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O_{Ma}	43.8	53.91	39.75	66.98	36	
Y_{Ma}	87.58	−4.65	98.29	98.4	93	
L_{Ma}	51.95	−56.34	43.53	71.2	142	
C_{Ma}	59.62	−26.2	−28.62	38.8	228	
V_{Ma}	25.01	45.2	−52.8	69.51	311	
M_{Ma}	45.88	70.67	−29.93	76.75	337	
W_{Ma}	95.0	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} = 88
%Regularity
$g^*_{H,col}$ = 31
$g^*_{C,col}$ = 39

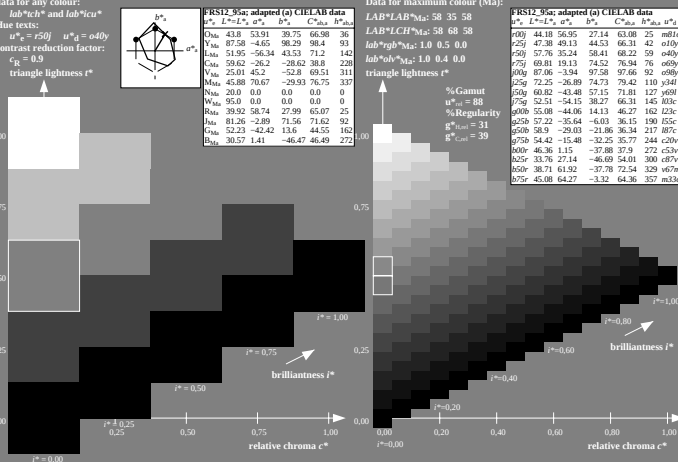
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e **= r00j**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= r00j** u^*_{alt} **= m81o**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 44 57 27**
***LAB*LCH*Ma*: 44 63 25**
***lab*rgb*Ma*: 1.0 0.0 0.0**
***lab*olv*Ma*: 1.0 0.0 0.18**
brilliantness i^*
relative chroma c^*



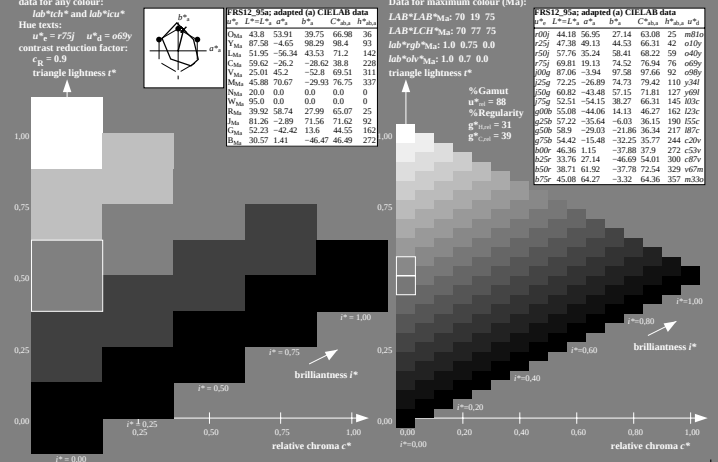
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e **= r25j**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= r25j** u^*_{alt} **= o10y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 47 49 45**
***LAB*LCH*Ma*: 47 66 42**
***lab*rgb*Ma*: 1.0 0.25 0.0**
***lab*olv*Ma*: 1.0 0.1 0.0**
brilliantness i^*
relative chroma c^*



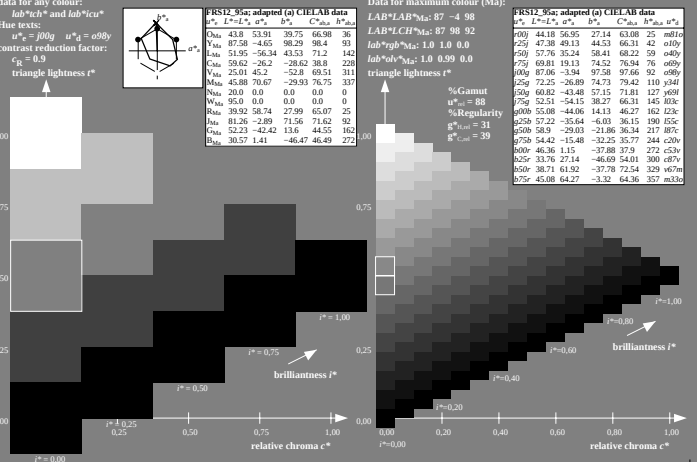
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_e **= r50j**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= r50j** u^*_{alt} **= o40y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 58 35 58**
***LAB*LCH*Ma*: 58 68 58**
***lab*rgb*Ma*: 1.0 0.5 0.0**
***lab*olv*Ma*: 1.0 0.4 0.0**
brilliantness i^*
relative chroma c^*



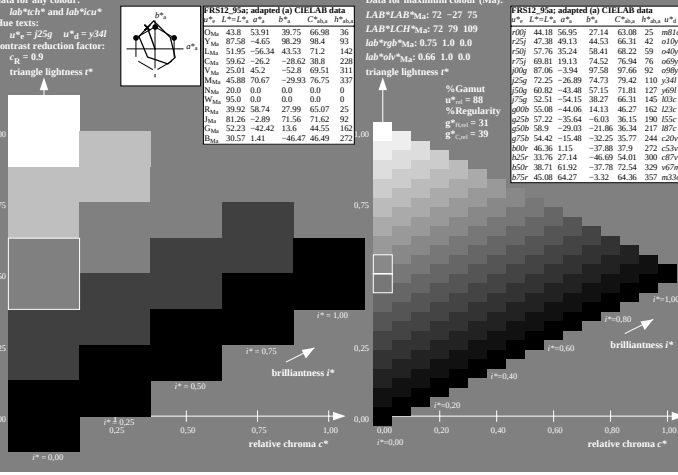
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_e **= r75j**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= r75j** u^*_{alt} **= o69y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 70 19 75**
***LAB*LCH*Ma*: 70 77 75**
***lab*rgb*Ma*: 1.0 0.75 0.0**
***lab*olv*Ma*: 1.0 0.7 0.0**
brilliantness i^*
relative chroma c^*



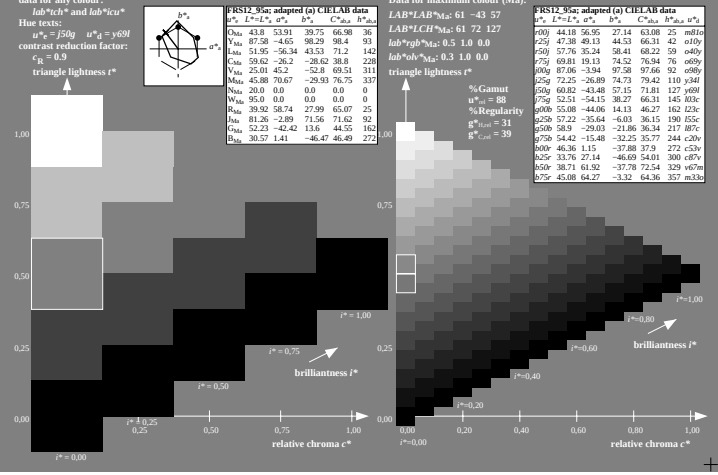
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e **= j00g**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= j00g** u^*_{alt} **= o98y**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 87 −4 98**
***LAB*LCH*Ma*: 87 98 92**
***lab*rgb*Ma*: 1.0 1.0 0.0**
***lab*olv*Ma*: 1.0 0.99 0.0**
brilliantness i^*
relative chroma c^*



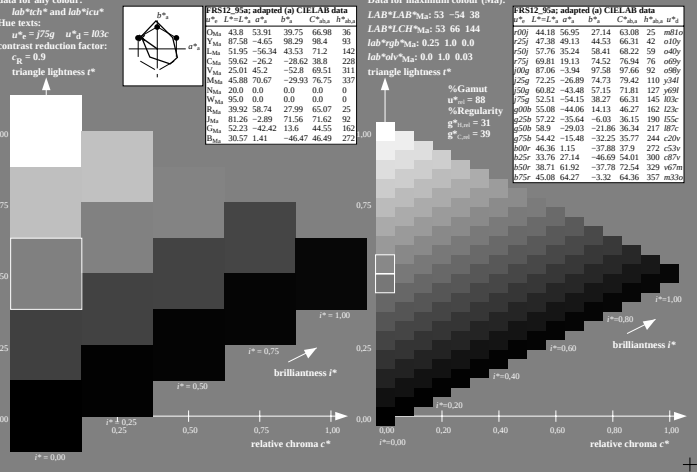
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e **= j25g**
data for any colour:
lab*ch* **and** ***lab*icu****
Hue texts:
u^*_e **= j25g** u^*_{alt} **= y34l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 72 −27 75**
***LAB*LCH*Ma*: 72 79 109**
***lab*rgb*Ma*: 0.75 1.0 0.0**
***lab*olv*Ma*: 0.66 1.0 0.0**
brilliantness i^*
relative chroma c^*



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_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^*_{alt} **= y69l**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 61 −43 57**
***LAB*LCH*Ma*: 61 72 127**
***lab*rgb*Ma*: 0.5 1.0 0.0**
***lab*olv*Ma*: 0.3 1.0 0.0**
brilliantness i^*
relative chroma c^*



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_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^*_{alt} **= l03c**
contrast reduction factor:
c_R **= 0.9**
triangle lightness t^*
Data for maximum colour (Ma):
***LAB*LAB*Ma*: 53 −54 38**
***LAB*LCH*Ma*: 53 66 144**
***lab*rgb*Ma*: 0.25 1.0 0.0**
***lab*olv*Ma*: 0.0 1.0 0.03**
brilliantness i^*
relative chroma c^*



Black separation empty

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 = 0.9

FRS12_95a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

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

Yellow J
greenish
redish
yellowish
Green G
Red R
bluish
greenish
redish
Blue B

no.
*LAB*LCH*a*

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r00j* u^*_a = *m81o*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 44 57 27
*LAB*LCH*Ma: 44 63 25
*lab*rgb*Ma: 1.0 0.0 0.0
*lab*olv*Ma: 1.0 0.0 0.18
triangle lightness *t**

u^*_e = *r00j*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r25j* u^*_a = *o10y*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 47 49 45
*LAB*LCH*Ma: 47 66 42
*lab*rgb*Ma: 1.0 0.25 0.0
*lab*olv*Ma: 1.0 0.1 0.0
triangle lightness *t**

u^*_e = *r25j*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r50j* u^*_a = *o40y*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 58 35 58
*LAB*LCH*Ma: 58 68 58
*lab*rgb*Ma: 1.0 0.5 0.0
*lab*olv*Ma: 1.0 0.4 0.0
triangle lightness *t**

u^*_e = *r50j*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *r75j* u^*_a = *o69y*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 70 19 75
*LAB*LCH*Ma: 70 77 75
*lab*rgb*Ma: 1.0 0.75 0.0
*lab*olv*Ma: 1.0 0.7 0.0
triangle lightness *t**

u^*_e = *r75j*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j00g* u^*_a = *o98y*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 87 −4 98
*LAB*LCH*Ma: 87 98 92
*lab*rgb*Ma: 1.0 1.0 0.0
*lab*olv*Ma: 1.0 0.99 0.0
triangle lightness *t**

u^*_e = *j00g*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j25g* u^*_a = *y34l*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 72 −27 75
*LAB*LCH*Ma: 72 79 109
*lab*rgb*Ma: 0.75 1.0 0.0
*lab*olv*Ma: 0.66 1.0 0.0
triangle lightness *t**

u^*_e = *j25g*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j50g* u^*_a = *y69l*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 61 −43 57
*LAB*LCH*Ma: 61 72 127
*lab*rgb*Ma: 0.5 1.0 0.0
*lab*olv*Ma: 0.3 1.0 0.0
triangle lightness *t**

u^*_e = *j50g*
*lab*olv**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$
data for any colour:
*lab*ch** and *lab*icu**
Hue texts:
u^*_e = *j75g* u^*_a = *l03c*
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

Data for maximum colour (Ma):
*LAB*LAB*Ma: 53 −54 38
*LAB*LCH*Ma: 53 66 144
*lab*rgb*Ma: 0.25 1.0 0.0
*lab*olv*Ma: 0.0 1.0 0.03
triangle lightness *t**

u^*_e = *j75g*
*lab*olv**

relative chroma *c**
brilliantness *i**

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 = 0.9

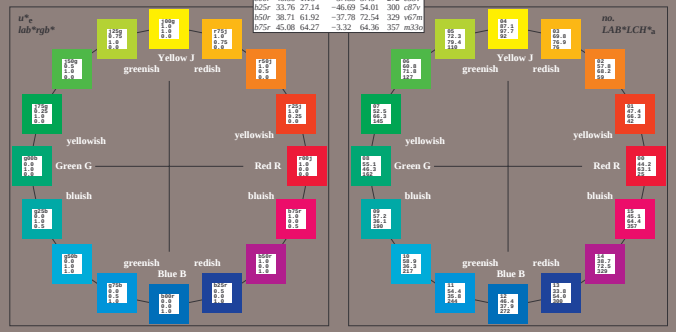
FRS12_95a: adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*

FRS12_95a: adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Mx}	43.8	53.91	39.75	66.98	36
Y_{Mx}	87.58	−4.65	98.29	98.4	93
L_{Mx}	51.95	−56.34	43.53	71.2	142
C_{Mx}	59.62	−26.2	−28.62	38.8	228
V_{Mx}	25.01	45.2	−52.8	69.51	311
M_{Mx}	45.88	70.67	−29.93	76.75	337
N_{Mx}	20.0	0.0	0.0	0.0	0
W_{Mx}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{SEL}	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} = 88
%Regularity
$g^*_{H,col}$ = 31
$g^*_{C,col}$ = 39



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e = r00j
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = r00j u^*_4 = *m81o*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 44 57 27
*LAB*LCH*Ma: 44 63 25
*lab*rgb*Ma: 1.0 0.0 0.0
*lab*olv*Ma: 1.0 0.0 0.18
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e = r25j
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = r25j u^*_4 = *o10y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 47 49 45
*LAB*LCH*Ma: 47 66 42
*lab*rgb*Ma: 1.0 0.25 0.0
*lab*olv*Ma: 1.0 0.1 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e = r50j
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = r50j u^*_4 = *o40y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 58 35 58
*LAB*LCH*Ma: 58 68 58
*lab*rgb*Ma: 1.0 0.5 0.0
*lab*olv*Ma: 1.0 0.4 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e = r75j
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = r75j u^*_4 = *o69y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 70 19 75
*LAB*LCH*Ma: 70 77 75
*lab*rgb*Ma: 1.0 0.75 0.0
*lab*olv*Ma: 1.0 0.7 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e = j00g
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = j00g u^*_4 = *o98y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 87 −4 98
*LAB*LCH*Ma: 87 98 92
*lab*rgb*Ma: 1.0 1.0 0.0
*lab*olv*Ma: 1.0 0.99 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

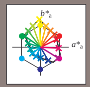
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e = j25g
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = j25g u^*_4 = *y34l*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 72 −27 75
*LAB*LCH*Ma: 72 79 109
*lab*rgb*Ma: 0.75 1.0 0.0
*lab*olv*Ma: 0.66 1.0 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e = j50g
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = j50g u^*_4 = *y69l*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 61 −43 57
*LAB*LCH*Ma: 61 72 127
*lab*rgb*Ma: 0.5 1.0 0.0
*lab*olv*Ma: 0.3 1.0 0.0
lab*rgb*
brilliantness *i**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e = j75g
data for any colour: lab^*ch^* and lab^*icu^*
Hue texts: u^*_e = j75g u^*_4 = *l03c*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 53 −54 38
*LAB*LCH*Ma: 53 66 144
*lab*rgb*Ma: 0.25 1.0 0.0
*lab*olv*Ma: 0.0 1.0 0.03
lab*rgb*
brilliantness *i**
relative chroma *c**

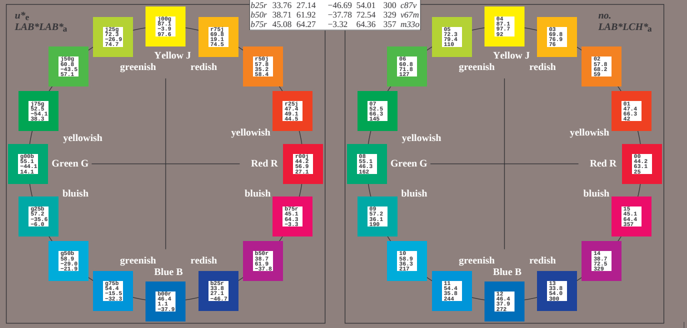
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.9

FRS12_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o



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

FRS12_95a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.8	53.91	39.75	66.98	36
Y_{Ma}	87.58	−4.65	98.29	98.4	93
L_{Ma}	51.95	−56.34	43.53	71.2	142
C_{Ma}	59.62	−26.2	−28.62	38.8	228
V_{Ma}	25.01	45.2	−52.8	69.51	311
M_{Ma}	45.88	70.67	−29.93	76.75	337
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



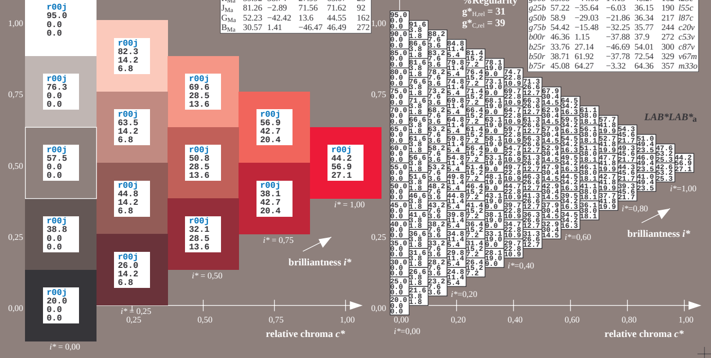
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ — $u^*_e = r00j$ LAB*LAB*a

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

FRS12_95a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.8	53.91	39.75	66.98	36
Y_{Ma}	87.58	−4.65	98.29	98.4	93
L_{Ma}	51.95	−56.34	43.53	71.2	142
C_{Ma}	59.62	−26.2	−28.62	38.8	228
V_{Ma}	25.01	45.2	−52.8	69.51	311
M_{Ma}	45.88	70.67	−29.93	76.75	337
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 57 27
$LAB^*LCH^*_{Ma}$: 44 63 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.18
triangle lightness t^*

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

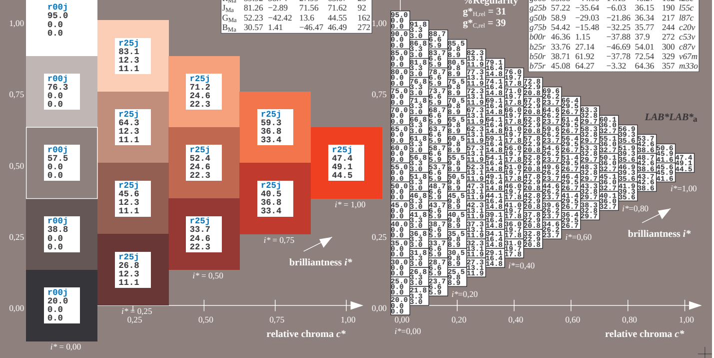


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ — $u^*_e = r25j$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 49 45
$LAB^*LCH^*_{Ma}$: 47 66 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.1 0.0
triangle lightness t^*

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

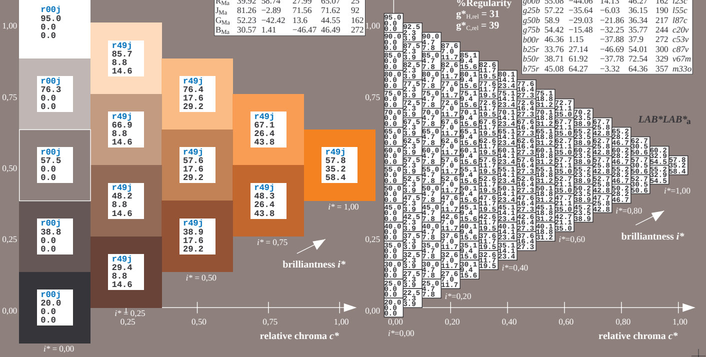


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ — $u^*_e = r50j$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 35 58
$LAB^*LCH^*_{Ma}$: 58 68 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.4 0.0
triangle lightness t^*

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

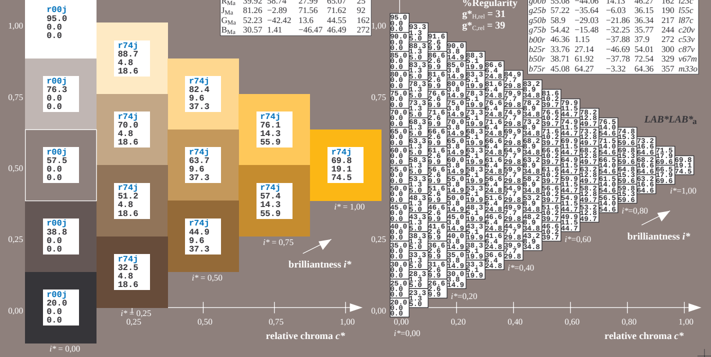


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ — $u^*_e = r75j$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 70 19 75
$LAB^*LCH^*_{Ma}$: 70 77 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.7 0.0
triangle lightness t^*

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

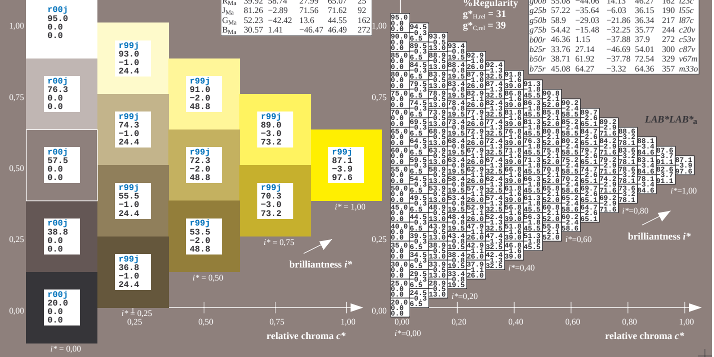


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ — $u^*_e = j00g$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 87 −4 98
$LAB^*LCH^*_{Ma}$: 87 98 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.99 0.0
triangle lightness t^*

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

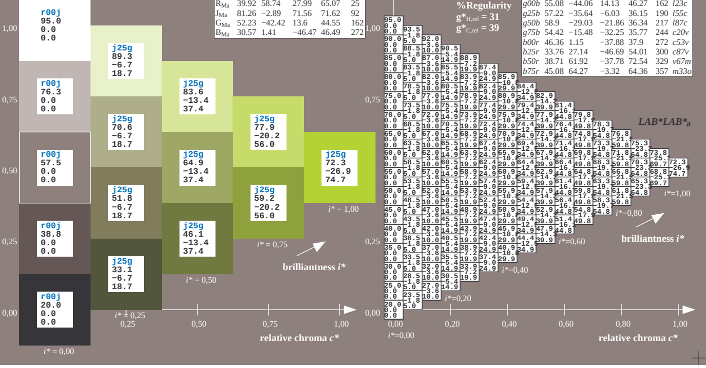


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ — $u^*_e = j25g$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 72 −27 75
$LAB^*LCH^*_{Ma}$: 72 79 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.66 1.0 0.0
triangle lightness t^*

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

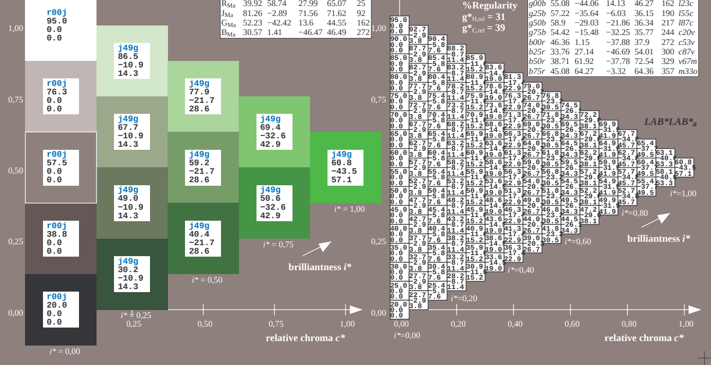


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ — $u^*_e = j50g$ LAB*LAB*a

data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −43 57
$LAB^*LCH^*_{Ma}$: 61 72 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.3 1.0 0.0
triangle lightness t^*

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

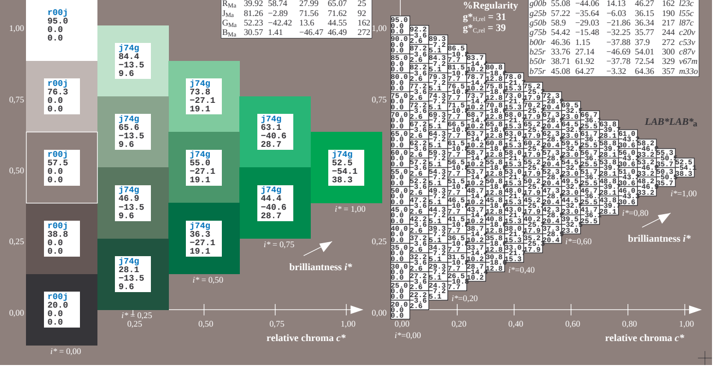


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ — $u^*_e = j75g$ LAB*LAB*a

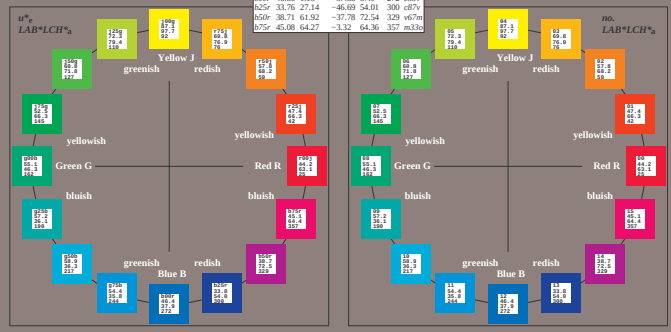
data for any colour: *lab*tch** and *lab*icu**
Hue texts: $u^*_e = j75g$ $u^*_d = l03c$
contrast reduction factor: c_R = 0.9
triangle lightness t^*

Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −54 38
$LAB^*LCH^*_{Ma}$: 53 66 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.03
triangle lightness t^*

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

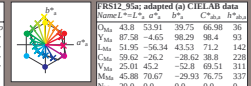


Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_a and number *no.* = 00 .. 15
elementary hue text:
u^*_a = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.9



FRS12_95a; adapted (a) CIELAB data

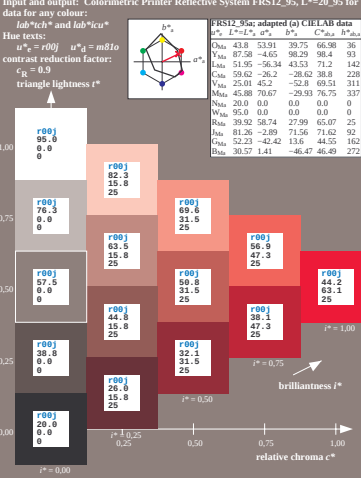
u^*_a	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o



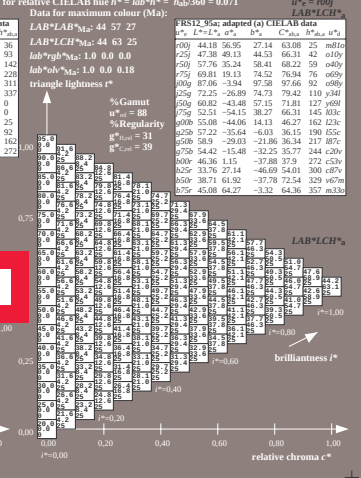
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
O_{Mk}	43.8	53.91	39.75	66.98	36	
Y_{Mk}	87.58	−4.65	98.29	98.4	93	
L_{Mk}	51.95	−56.34	43.53	71.2	142	
C_{Mk}	59.62	−26.2	−28.62	38.8	228	
V_{Mk}	25.01	45.2	−52.8	69.51	311	
W_{Mk}	95.0	0.0	0.0	0.0	0	
R_{GE}	39.92	58.74	27.99	65.07	25	
R_{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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ $u^*_a = r00j$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = r00j$ $u^*_4 = m81o$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



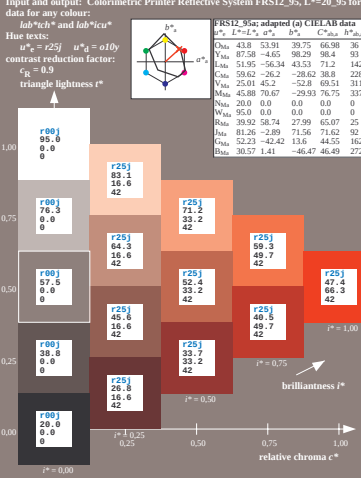
Data for maximum colour (Ma):
$LAB*LAB$Ma: 44 57 27
$LAB*LCH$Ma: 44 63 25
lab^*rgbMa: 1.0 0.0 0.0
lab^*olvMa: 1.0 0.0 0.18
triangle lightness t^*



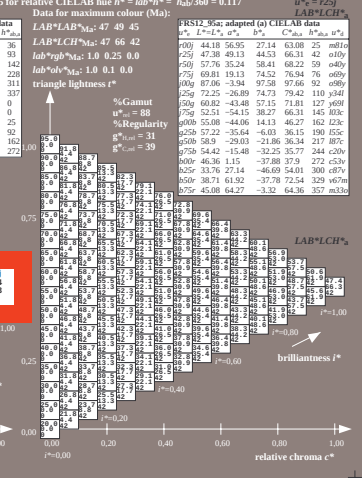
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ $u^*_a = r25j$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = r25j$ $u^*_4 = o10y$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



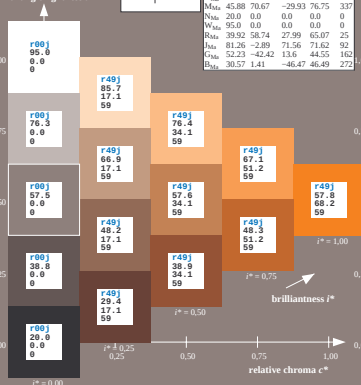
Data for maximum colour (Ma):
$LAB*LAB$Ma: 47 49 45
$LAB*LCH$Ma: 47 66 42
lab^*rgbMa: 1.0 0.25 0.0
lab^*olvMa: 1.0 0.1 0.0
triangle lightness t^*



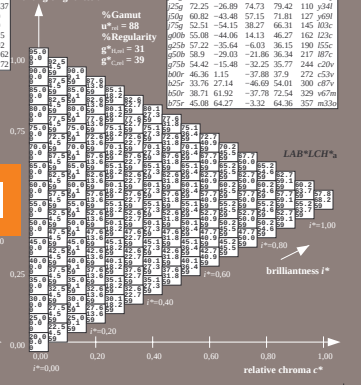
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ $u^*_a = r50j$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = r50j$ $u^*_4 = o40y$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



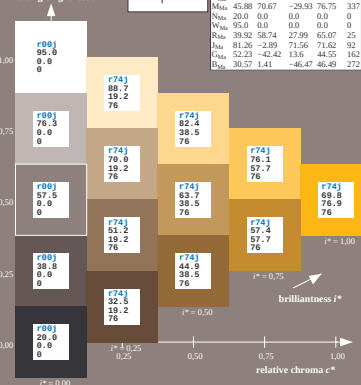
Data for maximum colour (Ma):
$LAB*LAB$Ma: 58 35 58
$LAB*LCH$Ma: 58 68 58
lab^*rgbMa: 1.0 0.5 0.0
lab^*olvMa: 1.0 0.4 0.0
triangle lightness t^*



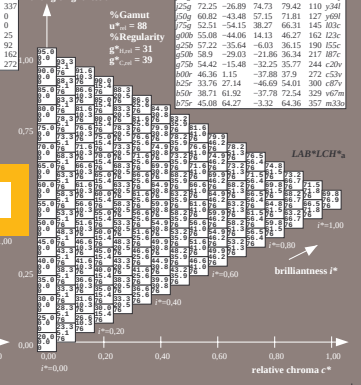
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ $u^*_a = r75j$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = r75j$ $u^*_4 = o69y$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



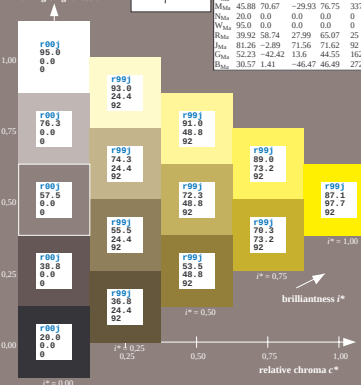
Data for maximum colour (Ma):
$LAB*LAB$Ma: 70 19 75
$LAB*LCH$Ma: 70 77 75
lab^*rgbMa: 1.0 0.75 0.0
lab^*olvMa: 1.0 0.7 0.0
triangle lightness t^*



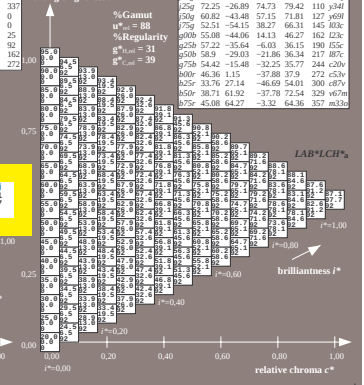
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ $u^*_a = j00g$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = j00g$ $u^*_4 = o98y$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



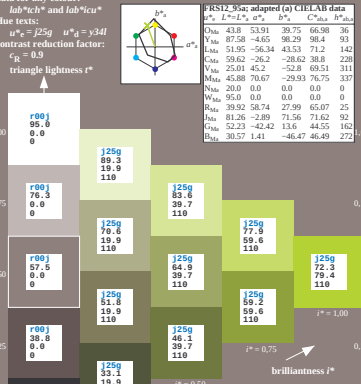
Data for maximum colour (Ma):
$LAB*LAB$Ma: 87 −4 98
$LAB*LCH$Ma: 87 98 92
lab^*rgbMa: 1.0 1.0 0.0
lab^*olvMa: 1.0 0.99 0.0
triangle lightness t^*



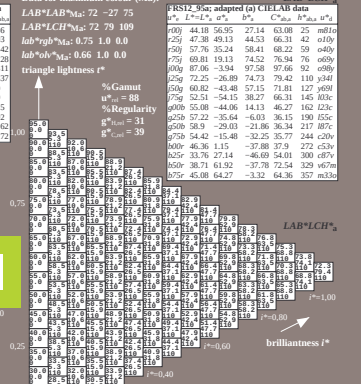
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ $u^*_a = j25g$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = j25g$ $u^*_4 = y34l$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



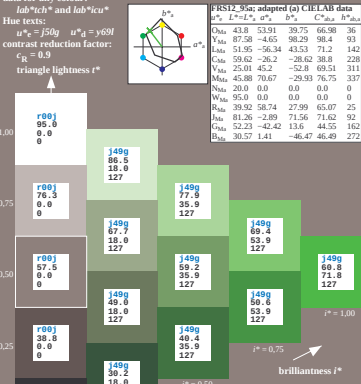
Data for maximum colour (Ma):
$LAB*LAB$Ma: 72 −27 75
$LAB*LCH$Ma: 72 79 109
lab^*rgbMa: 0.75 1.0 0.0
lab^*olvMa: 0.66 1.0 0.0
triangle lightness t^*



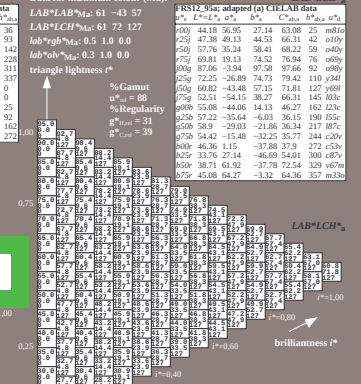
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ $u^*_a = j50g$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = j50g$ $u^*_4 = y69l$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



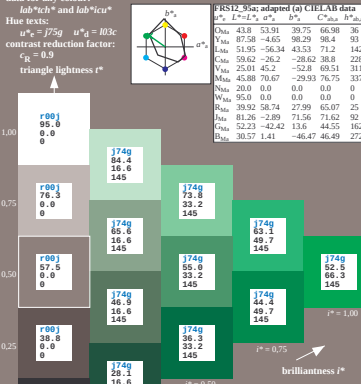
Data for maximum colour (Ma):
$LAB*LAB$Ma: 61 −43 57
$LAB*LCH$Ma: 61 72 127
lab^*rgbMa: 0.5 1.0 0.0
lab^*olvMa: 0.3 1.0 0.0
triangle lightness t^*



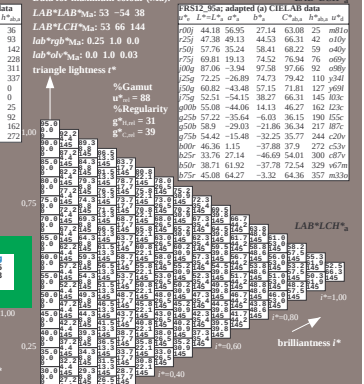
FRS12_95a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_a
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ $u^*_a = j75g$ $LAB*LCH*_a$
data for any colour:
lab^*ch^* and lab^*icu^*
Hue texts:
$u^*_a = j75g$ $u^*_4 = l03c$
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



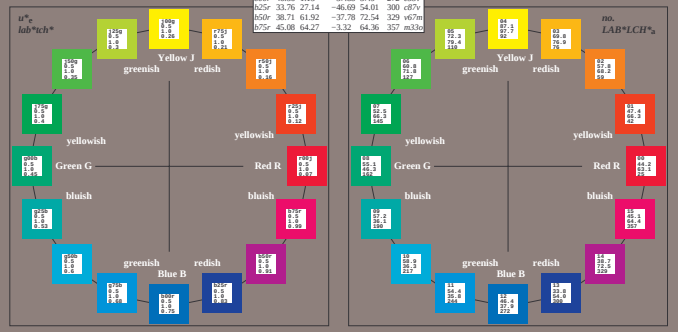
Data for maximum colour (Ma):
$LAB*LAB$Ma: 53 −54 38
$LAB*LCH$Ma: 53 66 144
lab^*rgbMa: 0.25 1.0 0.0
lab^*olvMa: 0.0 1.0 0.03
triangle lightness t^*



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 = 0.9

FRS12_95a: adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_E
r00j	44.18	56.95	27.14	63.08	25	*m81o*
r25j	47.38	49.13	44.53	66.31	42	*o10y*
r50j	57.76	35.24	58.41	68.22	59	*o40y*
r75j	69.81	19.13	74.52	76.94	76	*o69y*
j00g	87.06	−3.94	97.58	97.66	92	*o98y*
j25g	72.25	−26.89	74.73	79.42	110	*y34l*
j50g	60.82	−43.48	57.15	71.81	127	*y69l*
j75g	52.51	−54.15	38.27	66.31	145	*l03c*
g00b	55.08	−44.06	14.13	46.27	162	*l23c*
g25b	57.22	−35.64	−6.03	36.15	190	*l55c*
g50b	58.9	−29.03	−21.86	36.34	217	*l87c*
g75b	54.42	−15.48	−32.25	35.77	244	*c20v*
b00r	46.36	1.15	−37.88	37.9	272	*c53v*
b25r	33.76	27.14	−46.69	54.01	300	*c87v*
b50r	38.71	61.92	−37.78	72.54	329	*v67m*
b75r	45.08	64.27	−3.32	64.36	357	*m33o*



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.071$ u^*_e = *r00j*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *r00j* u^*_4 = *m81o*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 44 57 27
*LAB*LCH*Ma: 44 63 25
*lab*rgb*Ma: 1.0 0.0 0.0
*lab*olv*Ma: 1.0 0.0 0.18
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.117$ u^*_e = *r25j*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *r25j* u^*_4 = *o10y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 47 49 45
*LAB*LCH*Ma: 47 66 42
*lab*rgb*Ma: 1.0 0.25 0.0
*lab*olv*Ma: 1.0 0.1 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.164$ u^*_e = *r50j*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *r50j* u^*_4 = *o40y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 58 35 58
*LAB*LCH*Ma: 58 68 58
*lab*rgb*Ma: 1.0 0.5 0.0
*lab*olv*Ma: 1.0 0.4 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.21$ u^*_e = *r75j*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *r75j* u^*_4 = *o69y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 70 19 75
*LAB*LCH*Ma: 70 77 75
*lab*rgb*Ma: 1.0 0.75 0.0
*lab*olv*Ma: 1.0 0.7 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.256$ u^*_e = *j00g*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *j00g* u^*_4 = *o98y*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 87 −4 98
*LAB*LCH*Ma: 87 98 92
*lab*rgb*Ma: 1.0 1.0 0.0
*lab*olv*Ma: 1.0 0.99 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

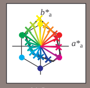
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.305$ u^*_e = *j25g*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *j25g* u^*_4 = *y34l*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 72 −27 75
*LAB*LCH*Ma: 72 79 109
*lab*rgb*Ma: 0.75 1.0 0.0
*lab*olv*Ma: 0.66 1.0 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.354$ u^*_e = *j50g*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *j50g* u^*_4 = *y69l*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 61 −43 57
*LAB*LCH*Ma: 61 72 127
*lab*rgb*Ma: 0.5 1.0 0.0
*lab*olv*Ma: 0.3 1.0 0.0
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{lab}/360 = 0.402$ u^*_e = *j75g*
data for any colour: *lab*c* and lab*icu**
Hue texts: u^*_E = *j75g* u^*_4 = *l03c*
contrast reduction factor: c_R = 0.9
triangle lightness *t**
Data for maximum colour (Ma):
*LAB*LAB*Ma: 53 −54 38
*LAB*LCH*Ma: 53 66 144
*lab*rgb*Ma: 0.25 1.0 0.0
*lab*olv*Ma: 0.0 1.0 0.03
%Gamut u^*_{col} = 88
%Regularity $g^*_{H,col}$ = 31 $g^*_{C,col}$ = 39
FRS12_95a: adapted (a) CIELAB data
brilliantness *j**
relative chroma *c**

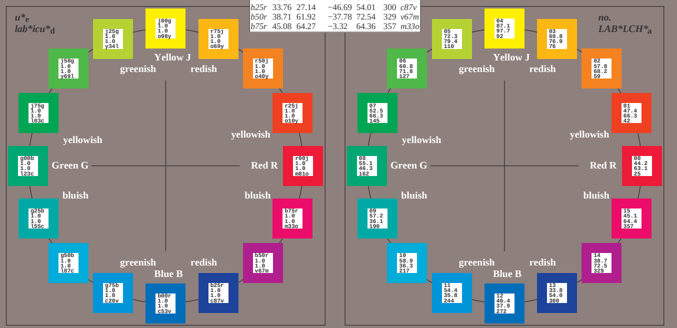
Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.9

FRS12_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

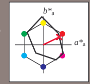


%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39

FRS12_95a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.8	53.91	39.75	66.98	36
Y_{Ma}	87.58	−4.65	98.29	98.4	93
L_{Ma}	51.95	−56.34	43.53	71.2	142
C_{Ma}	59.62	−26.2	−28.62	38.8	228
V_{Ma}	25.01	45.2	−52.8	69.51	311
M_{Ma}	45.88	70.67	−29.93	76.75	337
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	−2.89	71.56	71.62	92
G_{CIE}	52.23	−42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	−46.47	46.49	272



Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ u^*_e = r00j lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r00j u^*_d = m81o
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

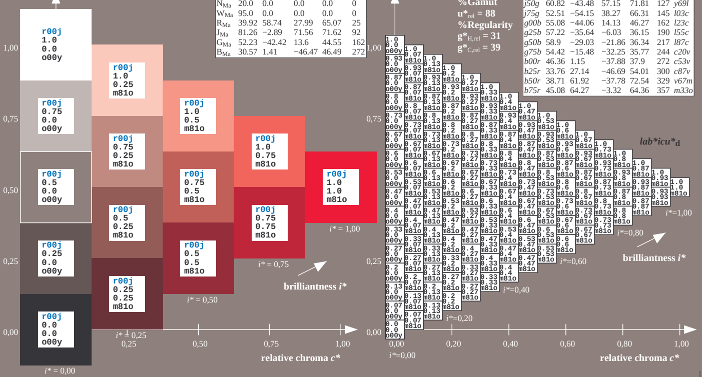


FRS12_95a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	43.8	53.91	39.75	66.98	36
Y_{Ma}	87.58	−4.65	98.29	98.4	93
L_{Ma}	51.95	−56.34	43.53	71.2	142
C_{Ma}	59.62	−26.2	−28.62	38.8	228
V_{Ma}	25.01	45.2	−52.8	69.51	311
M_{Ma}	45.88	70.67	−29.93	76.75	337
N_{Ma}	20.0	0.0	0.0	0.0	0
W_{Ma}	95.0	0.0	0.0	0.0	0
R_{Ma}	39.92	58.74	27.99	65.07	25
J_{Ma}	81.26	−2.89	71.56	71.62	92
G_{Ma}	52.23	−42.42	13.6	44.55	162
B_{Ma}	30.57	1.41	−46.47	46.49	272

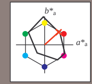
Data for maximum colour (Ma):
LAB*LAB*Ma: 44 57 27
LAB*LCH*Ma: 44 63 25
lab*rgb*Ma: 1.0 0.0 0.0
lab*olv*Ma: 1.0 0.0 0.18
triangle lightness t^*

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

FRS12_95a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

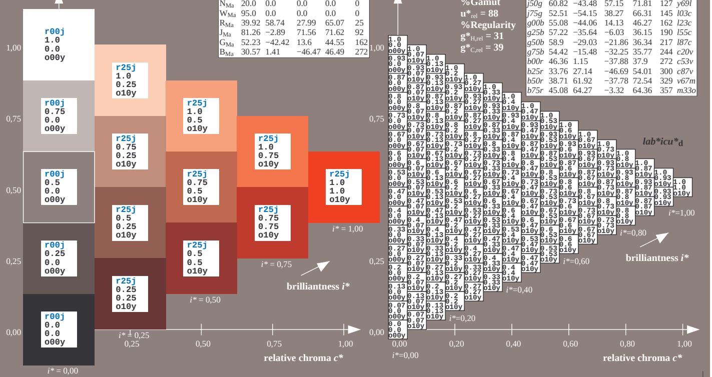


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ u^*_e = r25j lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r25j u^*_d = o10y
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

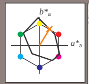


Data for maximum colour (Ma):
LAB*LAB*Ma: 47 49 45
LAB*LCH*Ma: 47 66 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.1 0.0
triangle lightness t^*

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

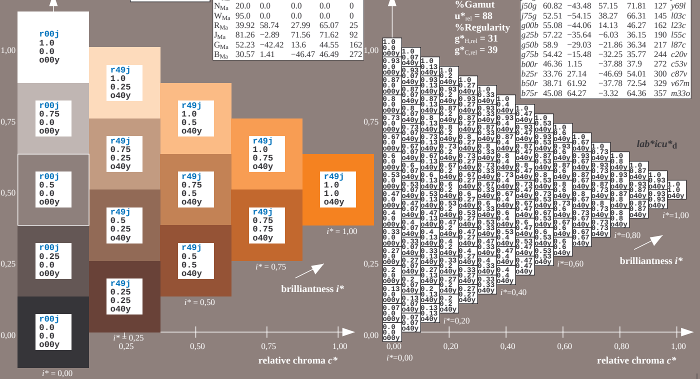


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ u^*_e = r50j lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r50j u^*_d = o40y
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

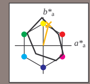


Data for maximum colour (Ma):
LAB*LAB*Ma: 58 35 58
LAB*LCH*Ma: 58 68 58
lab*rgb*Ma: 1.0 0.5 0.0
lab*olv*Ma: 1.0 0.4 0.0
triangle lightness t^*

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

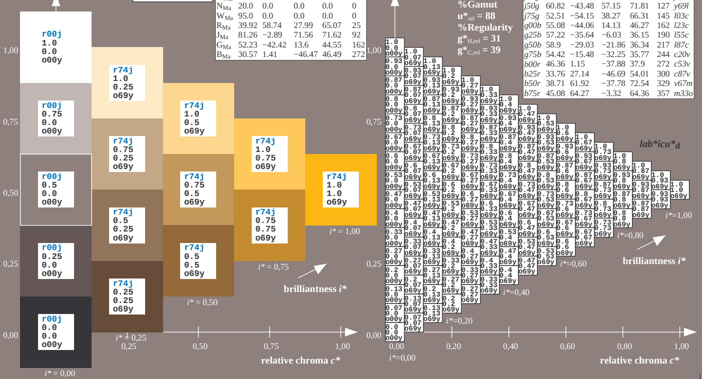


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ u^*_e = r75j lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r75j u^*_d = o69y
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

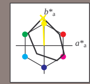


Data for maximum colour (Ma):
LAB*LAB*Ma: 70 19 75
LAB*LCH*Ma: 70 77 75
lab*rgb*Ma: 1.0 0.75 0.0
lab*olv*Ma: 1.0 0.7 0.0
triangle lightness t^*

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

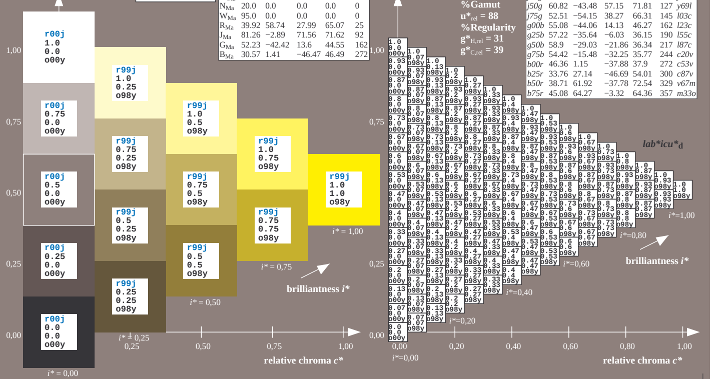


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ u^*_e = j00g lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j00g u^*_d = o98y
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

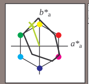


Data for maximum colour (Ma):
LAB*LAB*Ma: 87 −4 98
LAB*LCH*Ma: 87 98 92
lab*rgb*Ma: 1.0 1.0 0.0
lab*olv*Ma: 1.0 0.99 0.0
triangle lightness t^*

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

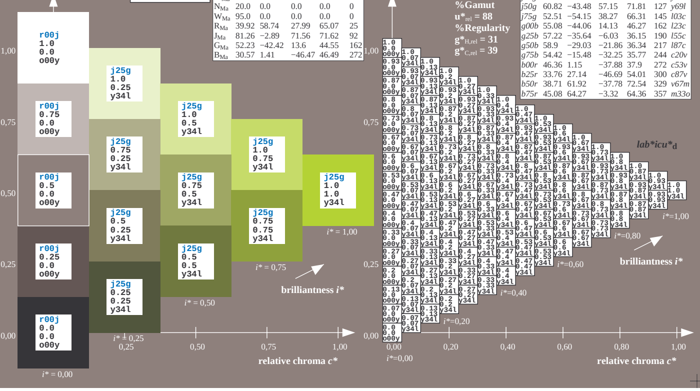


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ u^*_e = j25g lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j25g u^*_d = y34l
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

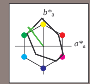


Data for maximum colour (Ma):
LAB*LAB*Ma: 72 −27 75
LAB*LCH*Ma: 72 79 109
lab*rgb*Ma: 0.75 1.0 0.0
lab*olv*Ma: 0.66 1.0 0.0
triangle lightness t^*

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

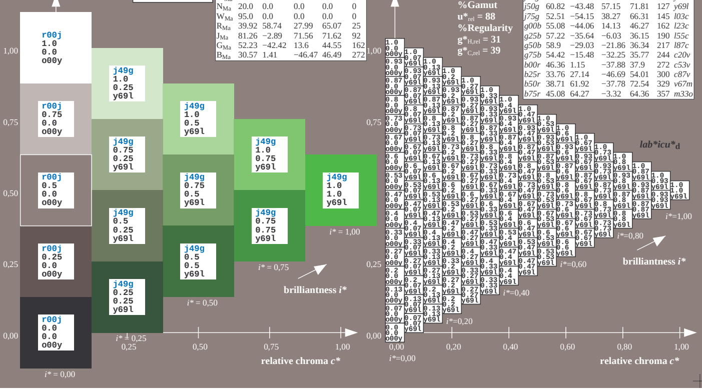


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ u^*_e = j50g lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j50g u^*_d = y69l
contrast reduction factor:
c_R = 0.9
triangle lightness t^*

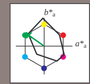


Data for maximum colour (Ma):
LAB*LAB*Ma: 61 −43 57
LAB*LCH*Ma: 61 72 127
lab*rgb*Ma: 0.5 1.0 0.0
lab*olv*Ma: 0.3 1.0 0.0
triangle lightness t^*

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

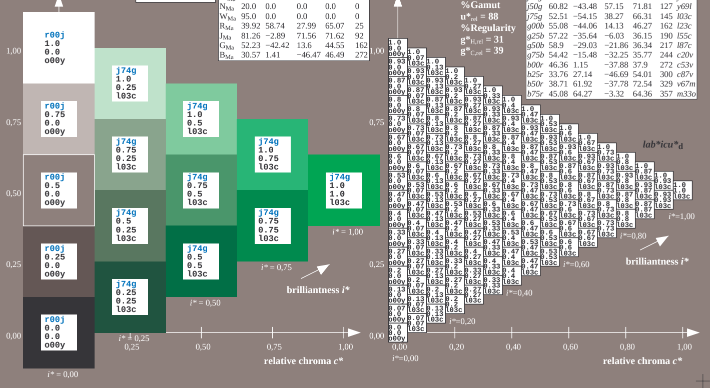


Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ u^*_e = j75g lab*icu*d
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j75g u^*_d = l03c
contrast reduction factor:
c_R = 0.9
triangle lightness t^*



Data for maximum colour (Ma):
LAB*LAB*Ma: 53 −54 38
LAB*LCH*Ma: 53 66 144
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.03
triangle lightness t^*

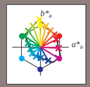
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39



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 = 0.9

FRS12_95a; adapted (a) CIELAB data

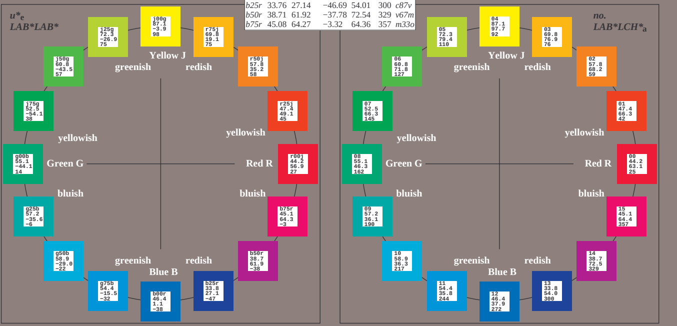
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o



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

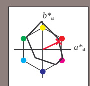
FRS12_95; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ — $u^*_e = r00j$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r00j$ $u^*_d = m81o$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

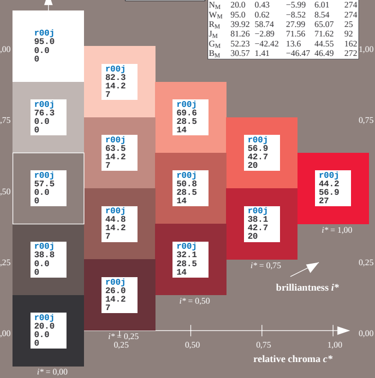
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

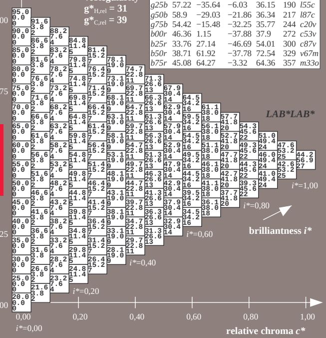
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 57 27
$LAB^*LCH^*_{Ma}$: 44 63 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.18
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

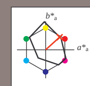
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ — $u^*_e = r25j$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r25j$ $u^*_d = o10y$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

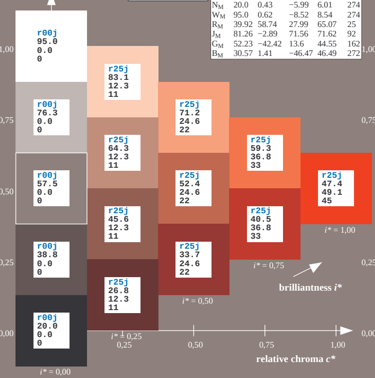
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

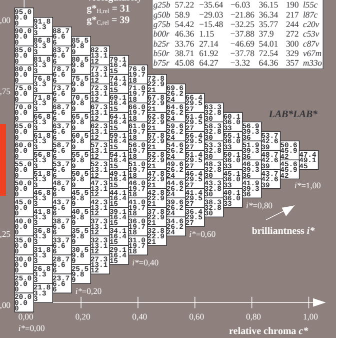
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 49 45
$LAB^*LCH^*_{Ma}$: 47 66 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.1 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

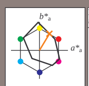
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ — $u^*_e = r50j$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r50j$ $u^*_d = o40y$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

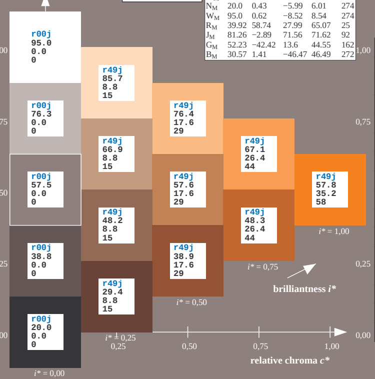
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

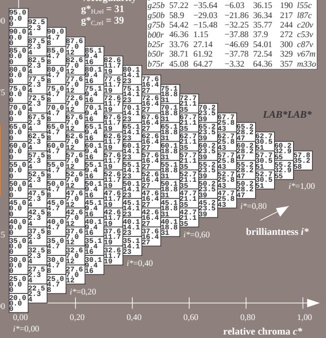
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 35 58
$LAB^*LCH^*_{Ma}$: 58 68 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.4 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

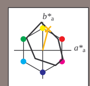
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ — $u^*_e = r75j$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = r75j$ $u^*_d = o69y$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

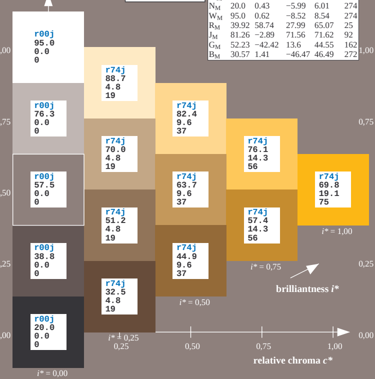
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

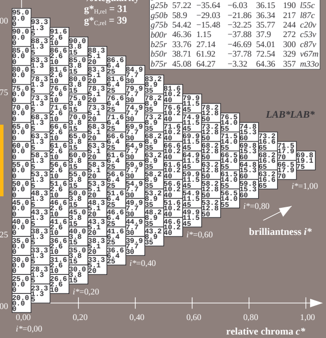
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 70 19 75
$LAB^*LCH^*_{Ma}$: 70 77 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.7 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

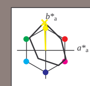
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ — $u^*_e = j00g$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j00g$ $u^*_d = o98y$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

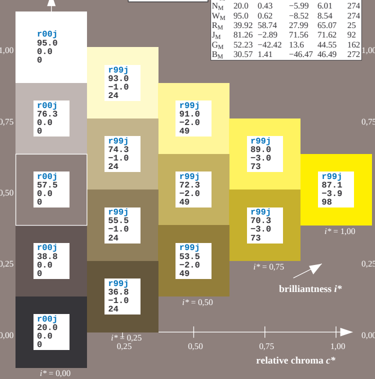
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

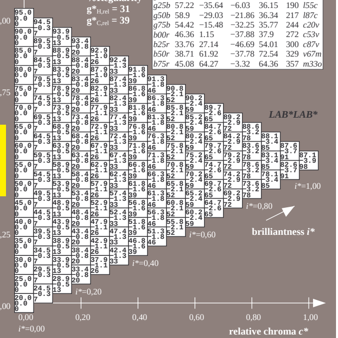
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 87 −4 98
$LAB^*LCH^*_{Ma}$: 87 98 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.99 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

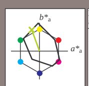
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ — $u^*_e = j25g$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j25g$ $u^*_d = y34l$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

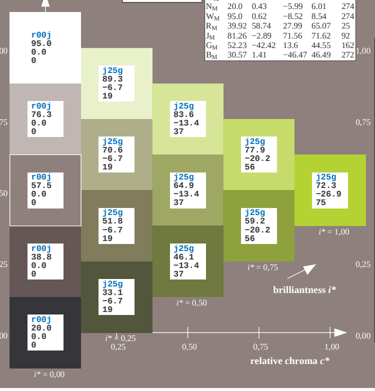
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

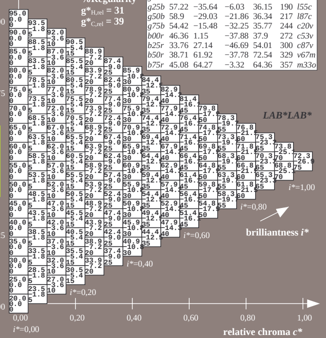
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 72 −27 75
$LAB^*LCH^*_{Ma}$: 72 79 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.66 1.0 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

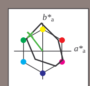
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ — $u^*_e = j50g$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j50g$ $u^*_d = y69l$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

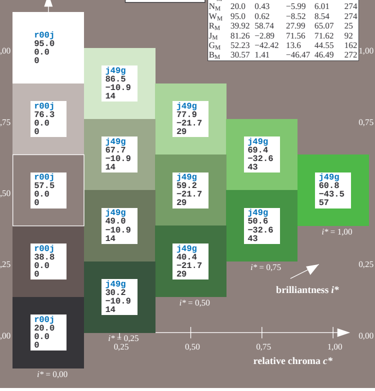
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

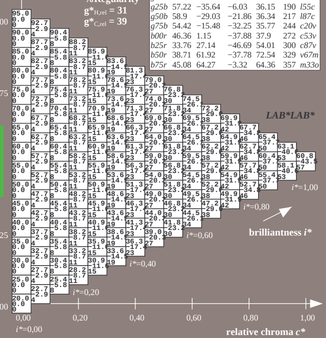
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −43 57
$LAB^*LCH^*_{Ma}$: 61 72 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.3 1.0 0.0
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

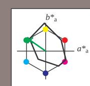
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o





Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ — $u^*_e = j75g$ LAB*LAB*

data for any colour:
*lab*tch** and *lab*icu**
Hue texts:
$u^*_e = j75g$ $u^*_d = l03c$
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95; CIELAB data

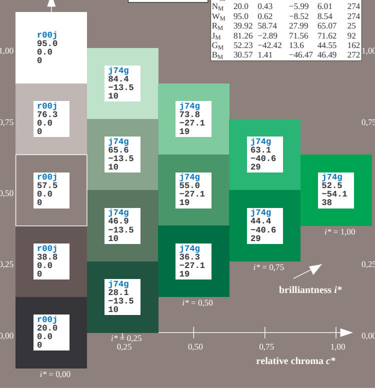
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

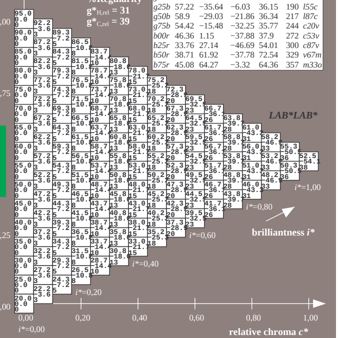
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −54 38
$LAB^*LCH^*_{Ma}$: 53 66 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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

FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o

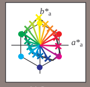




Input and output:
Colorimetric Printer Reflective System FRS12_95a
data for any colour:
u^*_e and number *no.* = 00 .. 15
elementary hue text:
u^*_e = 16 hues *r00j, r25j, ..., b75r*
contrast reduction factor:
c_R = 0.9

FRS12_95a; adapted (a) CIELAB data

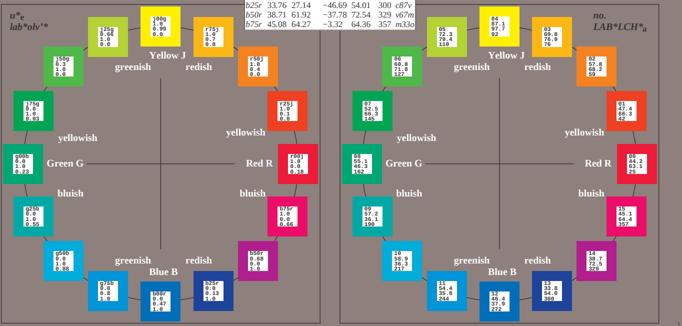
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o



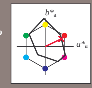
%Gamut
u^*_{rel} = 88
%Regularity
$g^*_{H,rel}$ = 31
$g^*_{C,rel}$ = 39

FRS12_95a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
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*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$ — u^*_e = r00j, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r00j u^*_d = m81o
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



FRS12_95a; CIELAB data

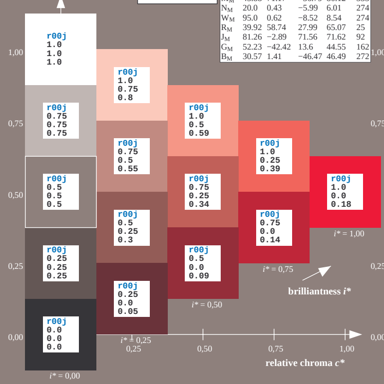
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	43.8	54.41	32.95	63.61	31
Y_M	87.58	−4.04	90.02	90.11	93
L_M	51.95	−55.83	36.46	66.68	147
C_M	59.62	−25.67	−35.94	44.17	234
V_M	25.01	45.64	−58.96	74.57	308
M_M	45.88	71.17	−36.79	80.12	333
N_M	20.0	0.43	−5.99	6.01	274
W_M	95.0	0.62	−8.52	8.54	274
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	−2.89	71.56	71.62	92
G_M	52.23	−42.42	13.6	44.55	162
B_M	30.57	1.41	−46.47	46.49	272

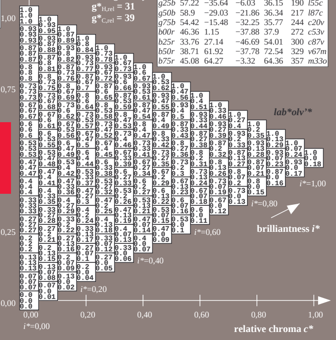
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 44 57 27
$LAB^*LCH^*_{Ma}$: 44 63 25
$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.0 0.18
triangle lightness *t**

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

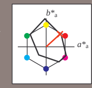
FRS12_95a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	44.18	56.95	27.14	63.08	25	m81o
r25j	47.38	49.13	44.53	66.31	42	o10y
r50j	57.76	35.24	58.41	68.22	59	o40y
r75j	69.81	19.13	74.52	76.94	76	o69y
j00g	87.06	−3.94	97.58	97.66	92	o98y
j25g	72.25	−26.89	74.73	79.42	110	y34l
j50g	60.82	−43.48	57.15	71.81	127	y69l
j75g	52.51	−54.15	38.27	66.31	145	l03c
g00b	55.08	−44.06	14.13	46.27	162	l23c
g25b	57.22	−35.64	−6.03	36.15	190	l55c
g50b	58.9	−29.03	−21.86	36.34	217	l87c
g75b	54.42	−15.48	−32.25	35.77	244	c20v
b00r	46.36	1.15	−37.88	37.9	272	c53v
b25r	33.76	27.14	−46.69	54.01	300	c87v
b50r	38.71	61.92	−37.78	72.54	329	v67m
b75r	45.08	64.27	−3.32	64.36	357	m33o



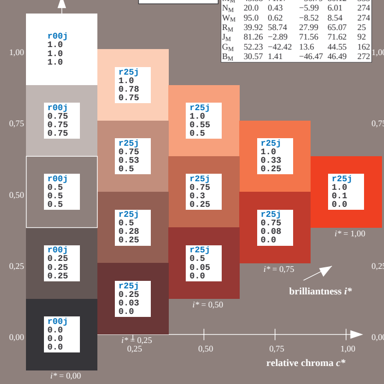


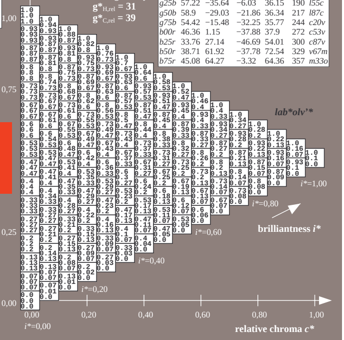
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$ — u^*_e = r25j, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r25j u^*_d = o10y
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



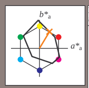
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 47 49 45
$LAB^*LCH^*_{Ma}$: 47 66 42
$lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
$lab^*olv^*_{Ma}$: 1.0 0.1 0.0
triangle lightness *t**

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



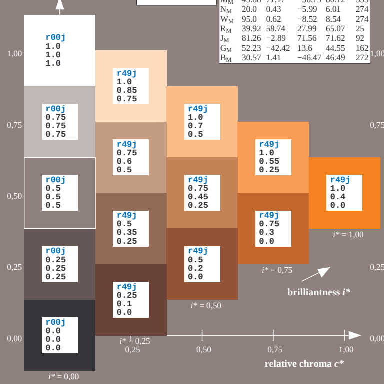


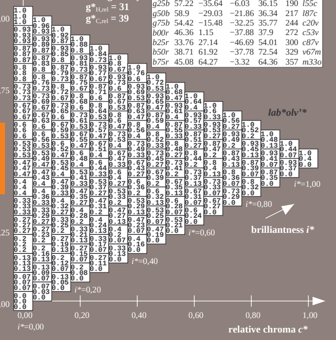
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ — u^*_e = r50j, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r50j u^*_d = o40y
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



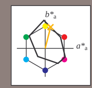
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 58 35 58
$LAB^*LCH^*_{Ma}$: 58 68 58
$lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
$lab^*olv^*_{Ma}$: 1.0 0.4 0.0
triangle lightness *t**

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



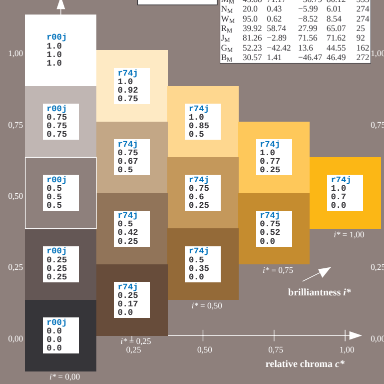


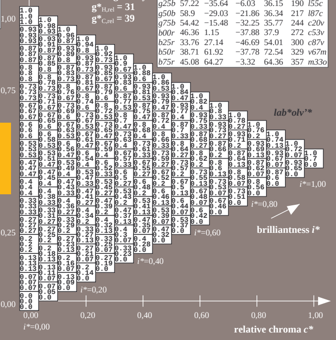
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$ — u^*_e = r75j, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = r75j u^*_d = o69y
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



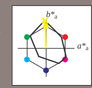
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 70 19 75
$LAB^*LCH^*_{Ma}$: 70 77 75
$lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
$lab^*olv^*_{Ma}$: 1.0 0.7 0.0
triangle lightness *t**

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



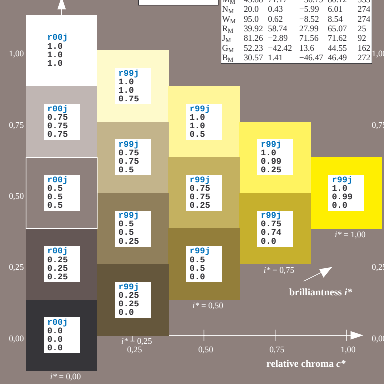


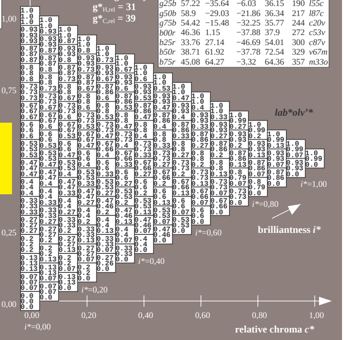
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$ — u^*_e = j00g, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j00g u^*_d = o98y
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



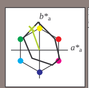
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 87 −4 98
$LAB^*LCH^*_{Ma}$: 87 98 92
$lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
$lab^*olv^*_{Ma}$: 1.0 0.99 0.0
triangle lightness *t**

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



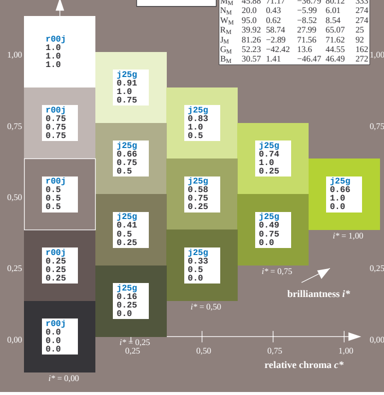


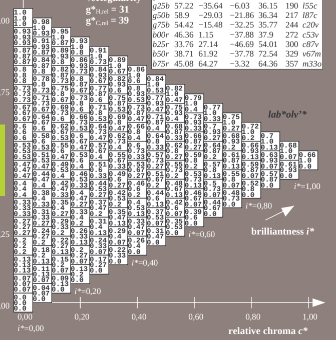
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$ — u^*_e = j25g, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j25g u^*_d = y34l
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



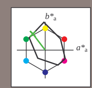
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 72 −27 75
$LAB^*LCH^*_{Ma}$: 72 79 109
$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0
$lab^*olv^*_{Ma}$: 0.66 1.0 0.0
triangle lightness *t**

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



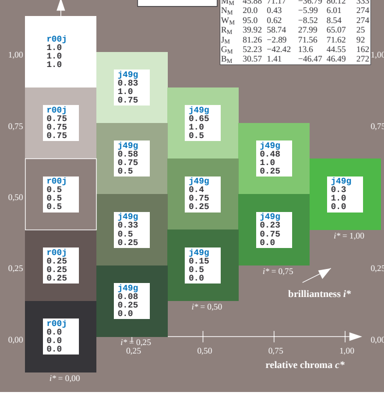


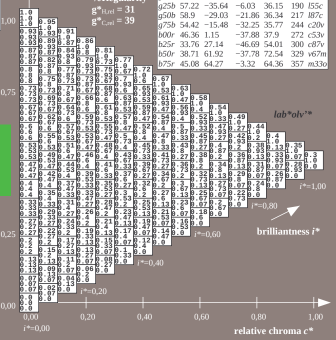
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$ — u^*_e = j50g, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j50g u^*_d = y69l
contrast reduction factor:
c_R = 0.9
triangle lightness *t**



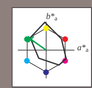
Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 61 −43 57
$LAB^*LCH^*_{Ma}$: 61 72 127
$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0
$lab^*olv^*_{Ma}$: 0.3 1.0 0.0
triangle lightness *t**

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



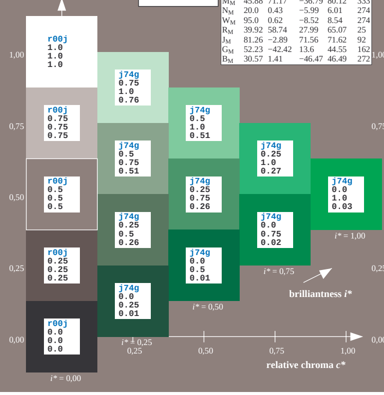


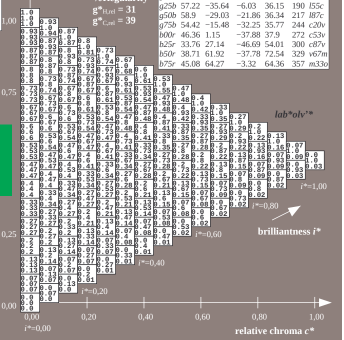
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$ — u^*_e = j75g, lab*olv'*
data for any colour:
lab*tch* and lab*icu*
Hue texts:
u^*_e = j75g u^*_d = l03c
contrast reduction factor:
c_R = 0.9
triangle lightness *t**

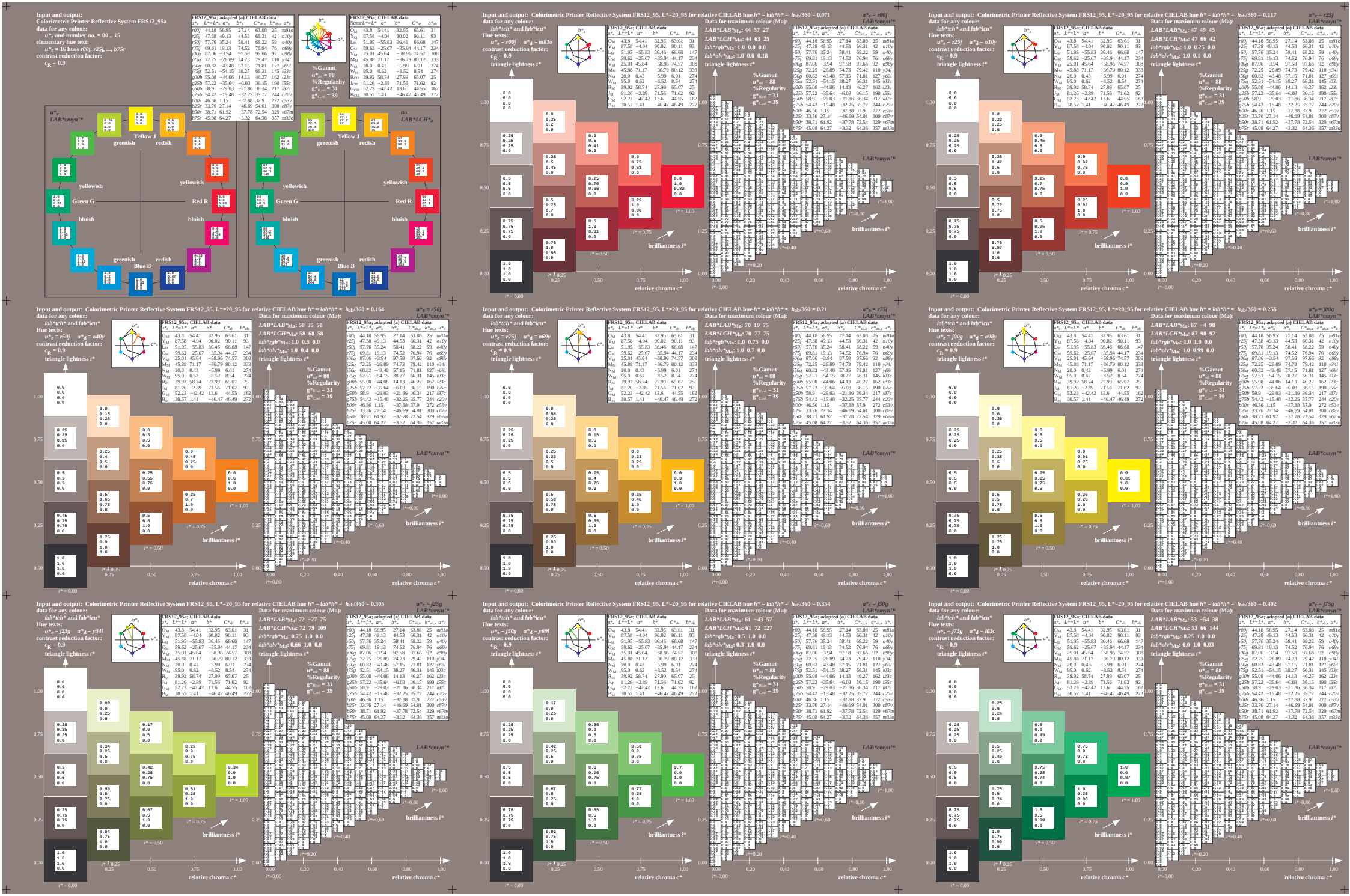


Data for maximum colour (Ma):
$LAB^*LAB^*_{Ma}$: 53 −54 38
$LAB^*LCH^*_{Ma}$: 53 66 144
$lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
$lab^*olv^*_{Ma}$: 0.0 1.0 0.03
triangle lightness *t**

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






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 = 0.9
FRS12_95a: adapted (a) CIELAB data
FRS12_95a: CIELAB data
%Gamut
u^*_{col} = 88
%Regularity
$g^*_{T,col}$ = 31
$g^*_{C,col}$ = 39
greenish
Yellow J
redish
yellowish
Green G
Red R
bluish
Blue B
no. LAB*LCH*a
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.071
u^*_e = r00j
u^*_d = m81o
Data for maximum colour (Ma):
LAB*LAB*Ma: 44 57 27
LAB*LCH*Ma: 44 63 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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.117
u^*_e = r25j
u^*_d = o10y
Data for maximum colour (Ma):
LAB*LAB*Ma: 47 49 45
LAB*LCH*Ma: 47 66 42
lab*rgb*Ma: 1.0 0.25 0.0
lab*olv*Ma: 1.0 0.1 0.0
Input and output: Colorimetric Printer Reflective System FRS12_95, L*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.164
u^*_e = r50j
u^*_d = o40y
Data for maximum colour (Ma):
LAB*LAB*Ma: 58 35 58
LAB*LCH*Ma: 58 68 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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.21
u^*_e = r75j
u^*_d = o69y
Data for maximum colour (Ma):
LAB*LAB*Ma: 70 19 75
LAB*LCH*Ma: 70 77 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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.256
u^*_e = j00g
u^*_d = o98y
Data for maximum colour (Ma):
LAB*LAB*Ma: 87 -4 98
LAB*LCH*Ma: 87 98 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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.305
u^*_e = j25g
u^*_d = y34l
Data for maximum colour (Ma):
LAB*LAB*Ma: 72 -27 75
LAB*LCH*Ma: 72 79 109
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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.354
u^*_e = j50g
u^*_d = y69l
Data for maximum colour (Ma):
LAB*LAB*Ma: 61 -43 57
LAB*LCH*Ma: 61 72 127
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*=20_95 for relative CIELAB hue h* = lab*h* = hlab/360 = 0.402
u^*_e = j75g
u^*_d = l03c
Data for maximum colour (Ma):
LAB*LAB*Ma: 53 -54 38
LAB*LCH*Ma: 53 66 144
lab*rgb*Ma: 0.25 1.0 0.0
lab*olv*Ma: 0.0 1.0 0.03
relative chroma c*
brilliantness i*
LAB*cmyn'*