

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

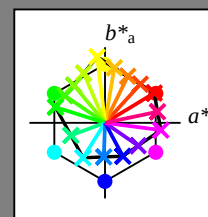
$u^*_d = 16$ hues $o00y, o25y, \dots, m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

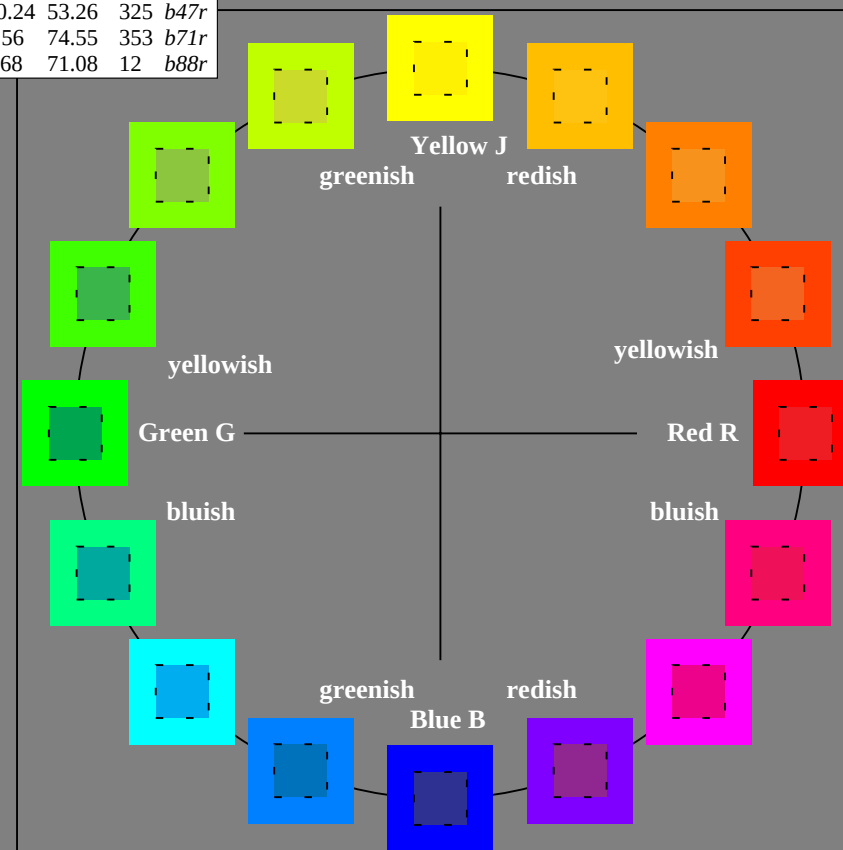
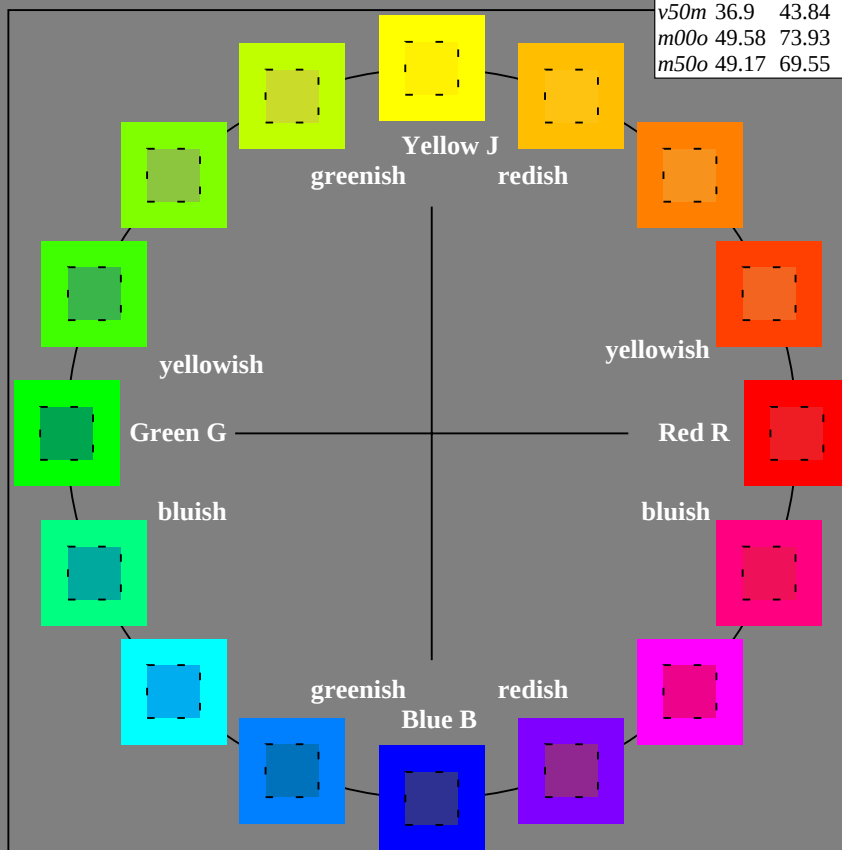
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	92
Y_{CIE}	81.26	-2.89	71.56	71.62	25
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

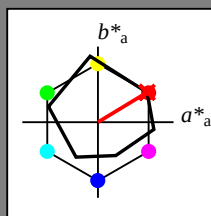
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 65 39

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 76 31

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

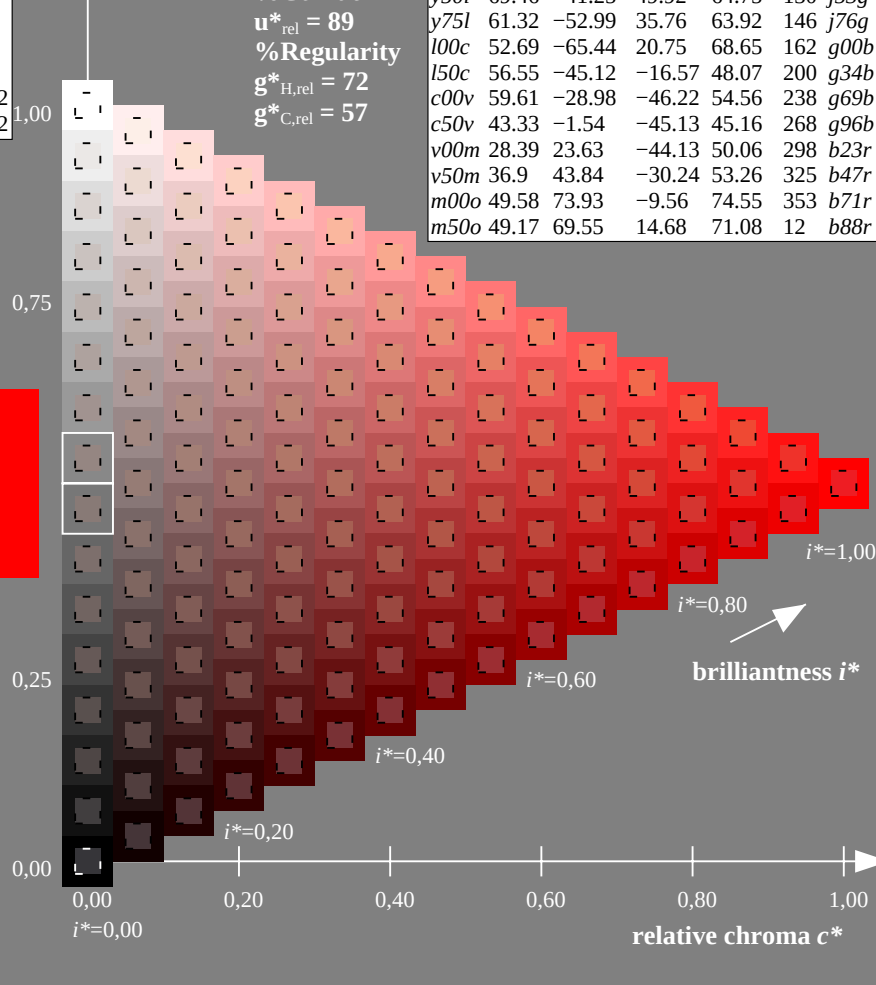
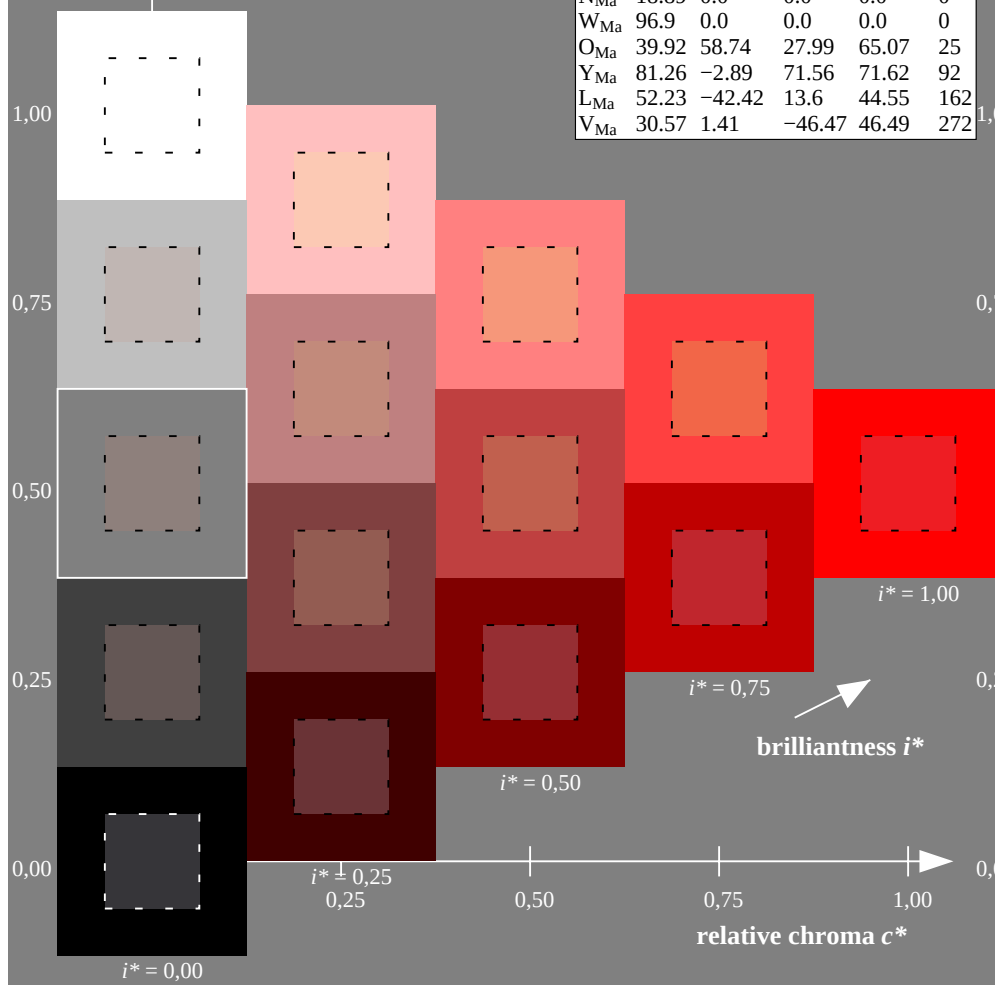
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

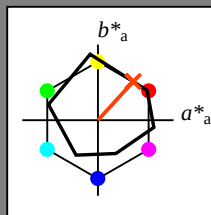
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

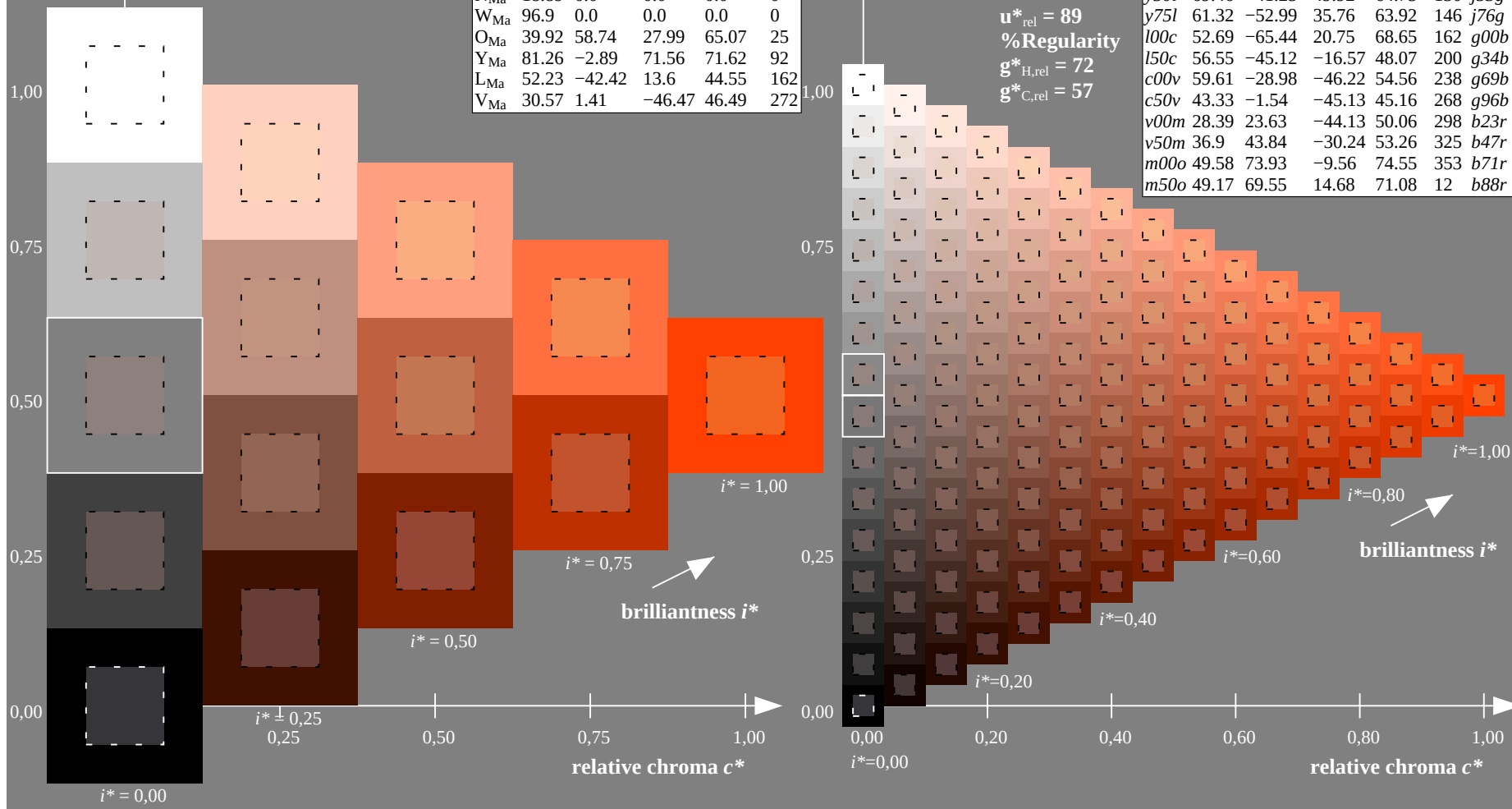
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

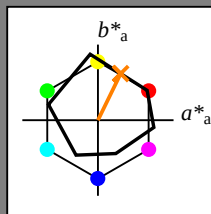
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

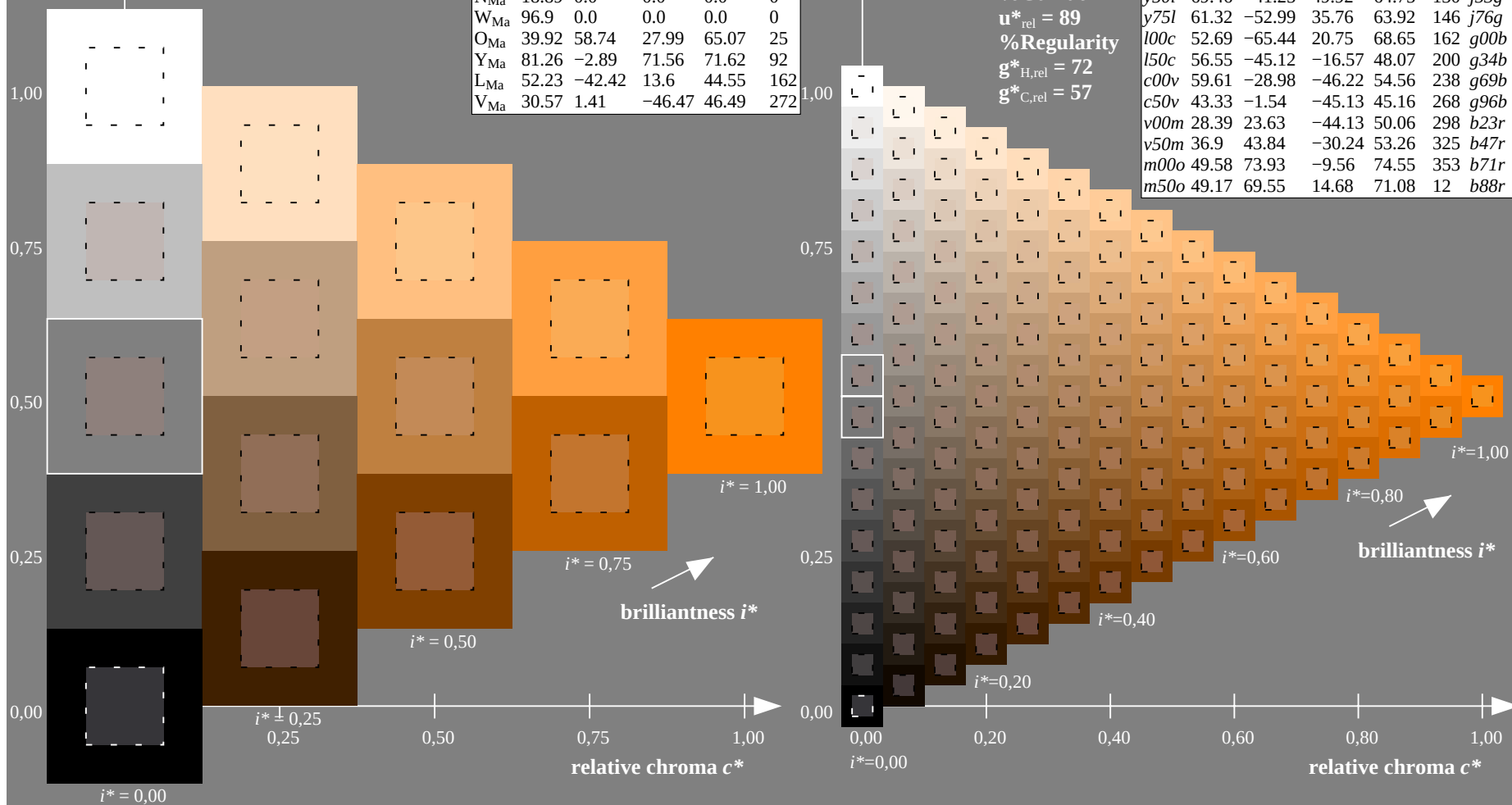
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

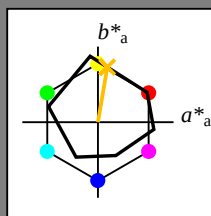
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

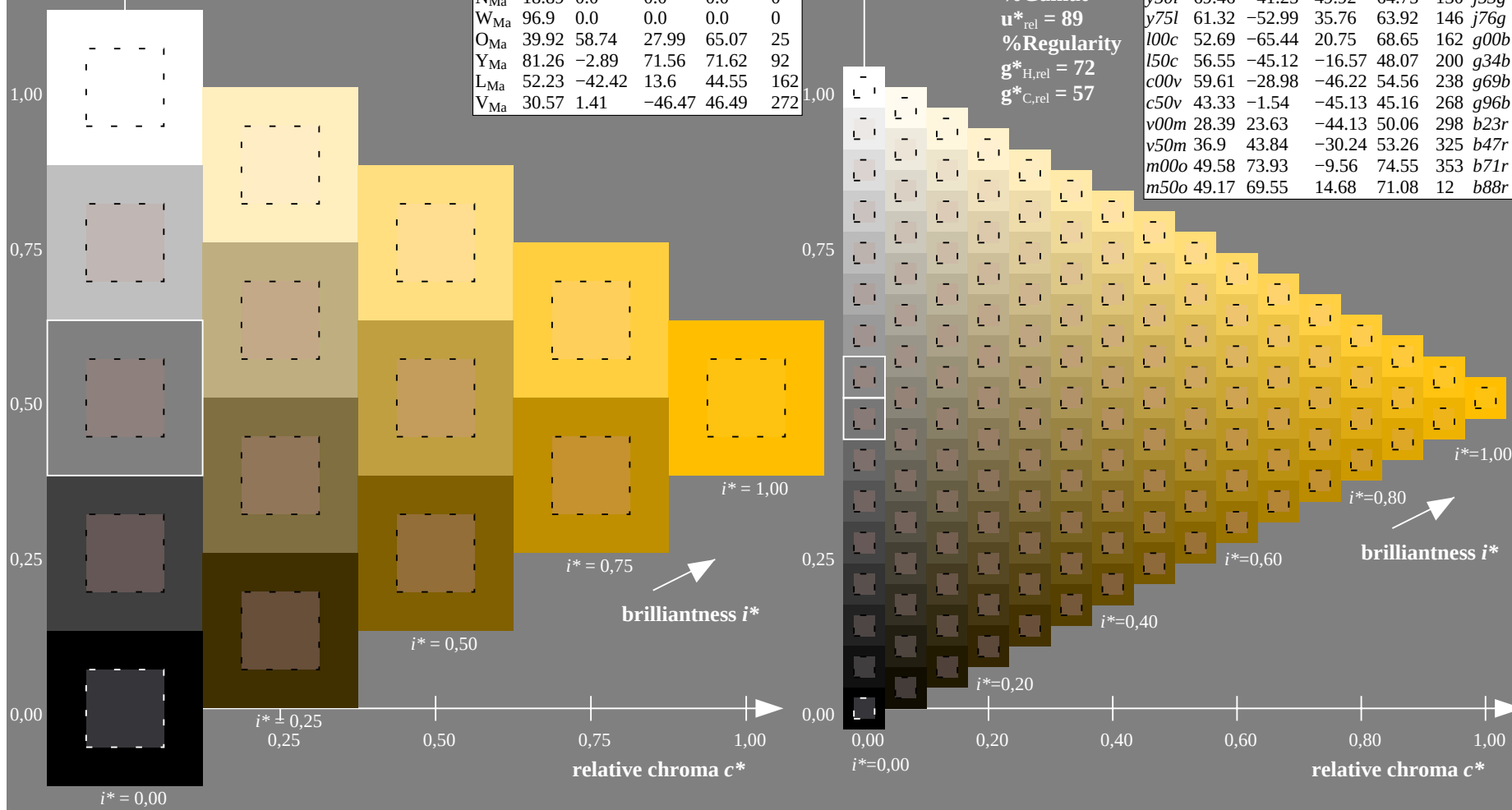
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

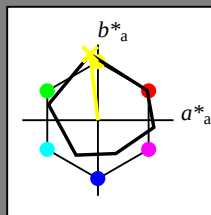
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
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V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 91 -10 87

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 91 88 96

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

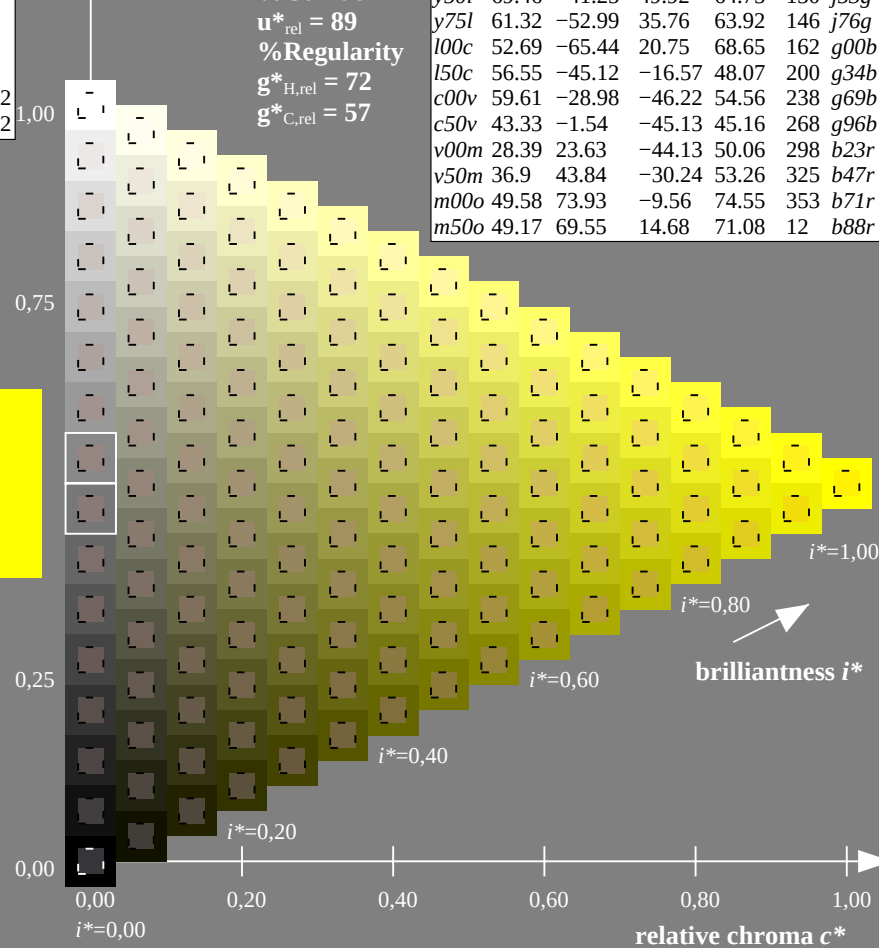
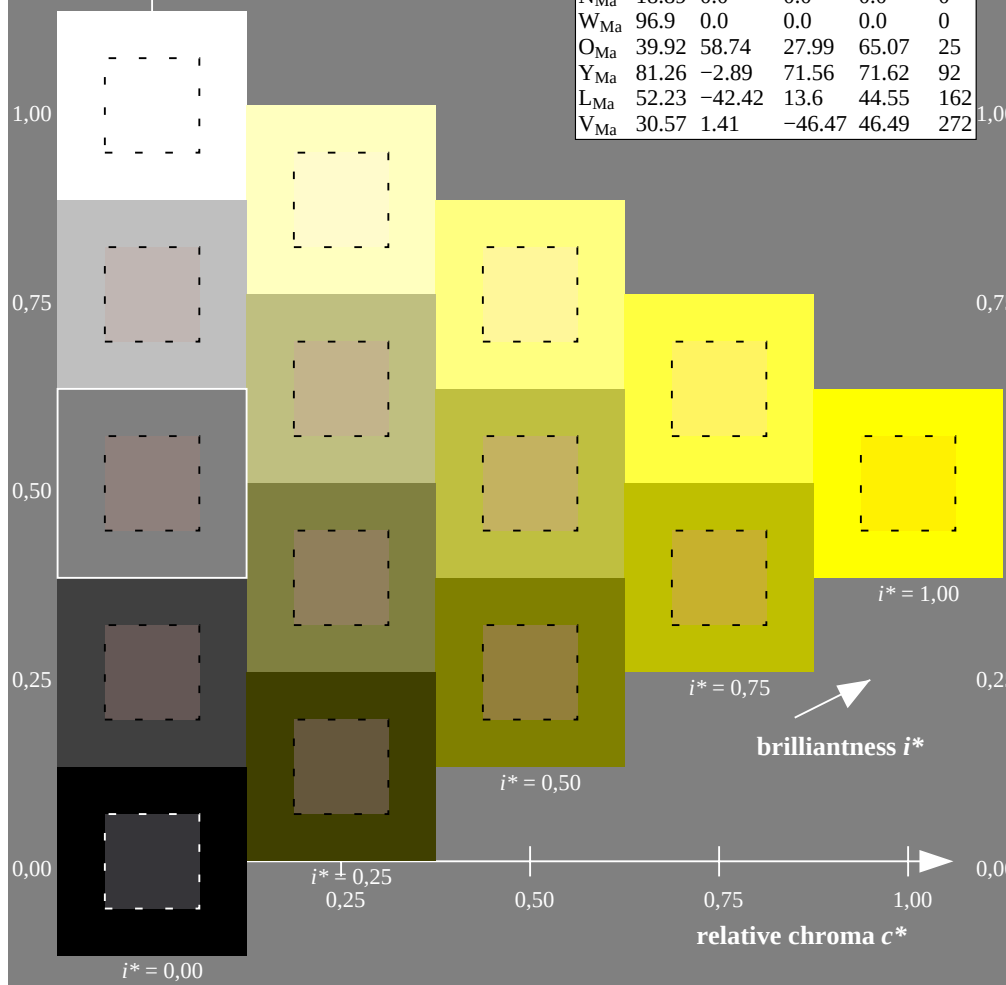
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

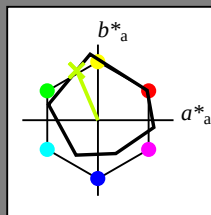
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

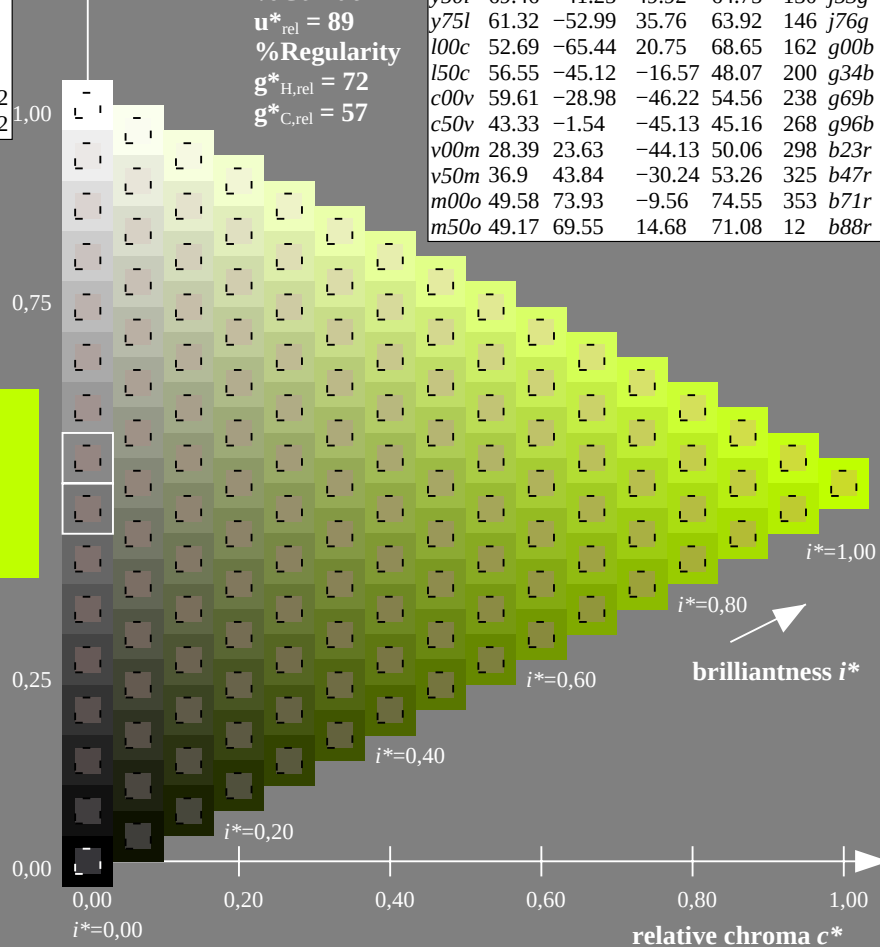
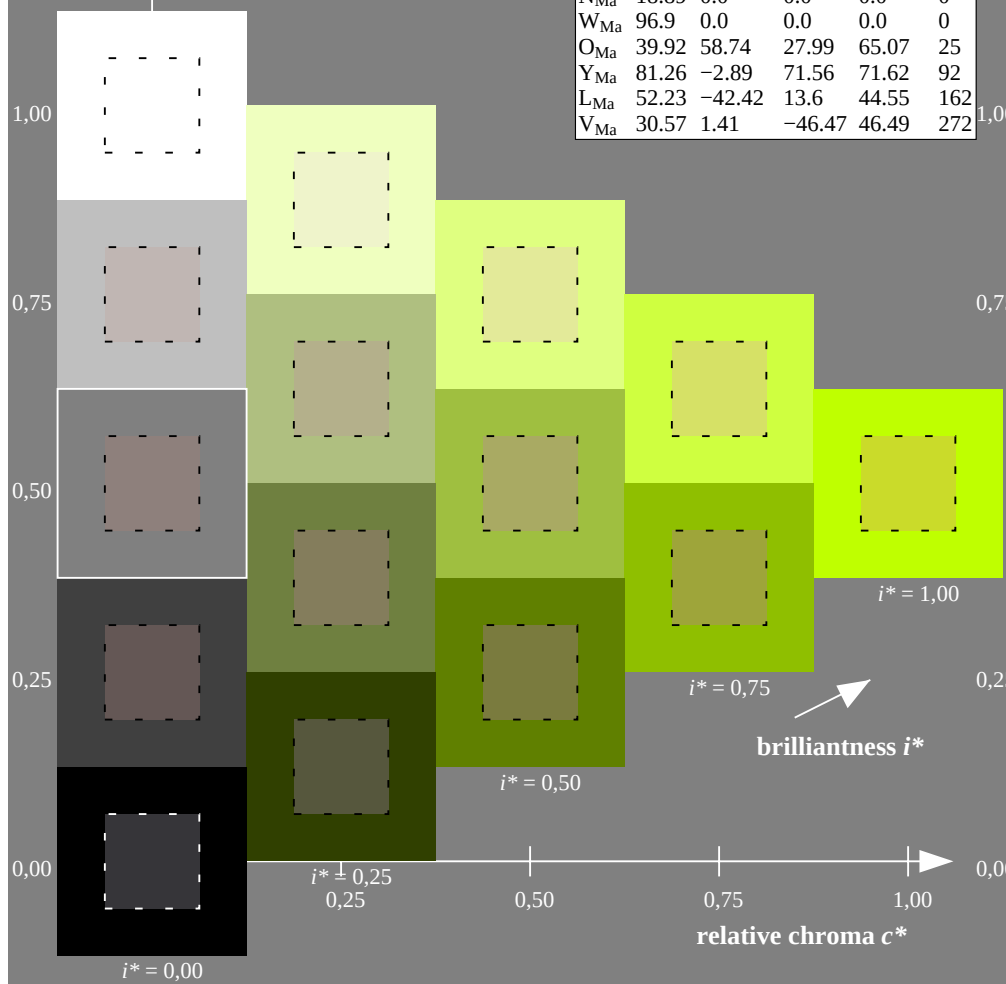
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

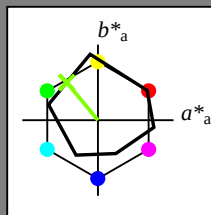
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 69 -41 50

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 69 65 129

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

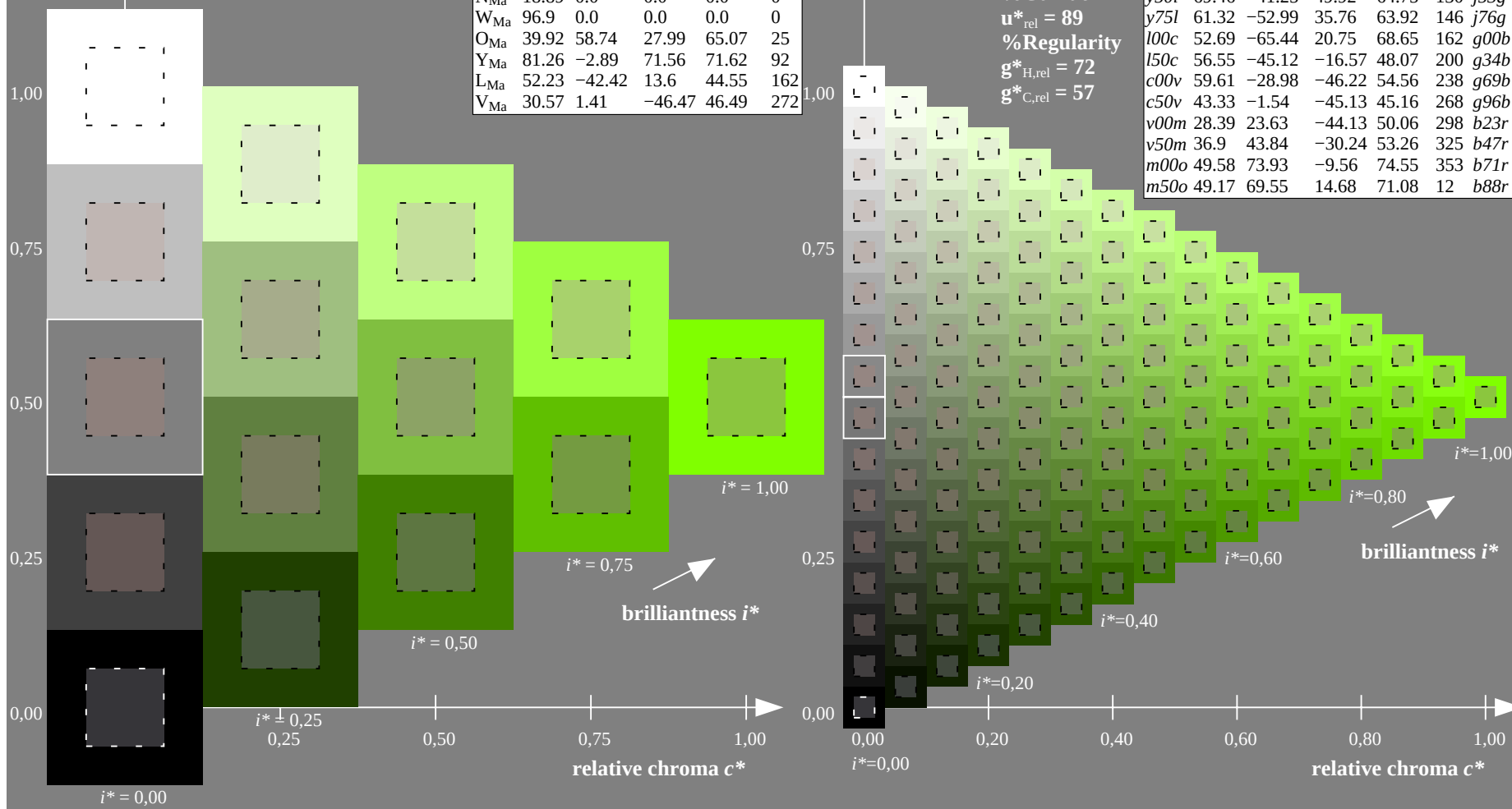
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$ data for any colour: Data for maximum colour (Ma):

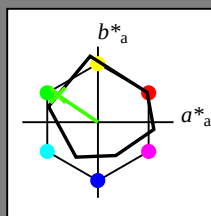
$$u_d^* = y_{75l}$$

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

Hue texts:

$$u_d^* = y75l \quad u_e^* = j76g$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB* M_{max} : 61 -53 36

LAP*ICH* - : 61 64 145

LAB'LCH*Ma: 61 64 14

***lab*olv**Ma: 0.25 1.0 0.0**

lab*rgb*_{Ma}: 0.23 1.0 0.0

triangle lightness t^*

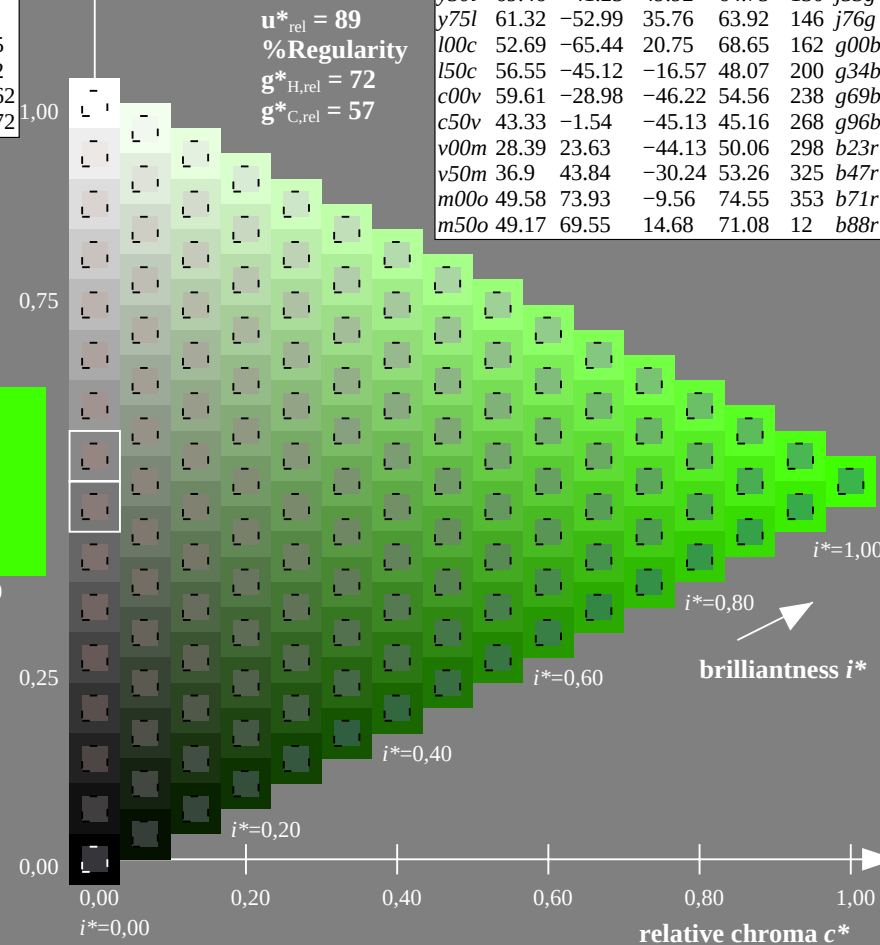
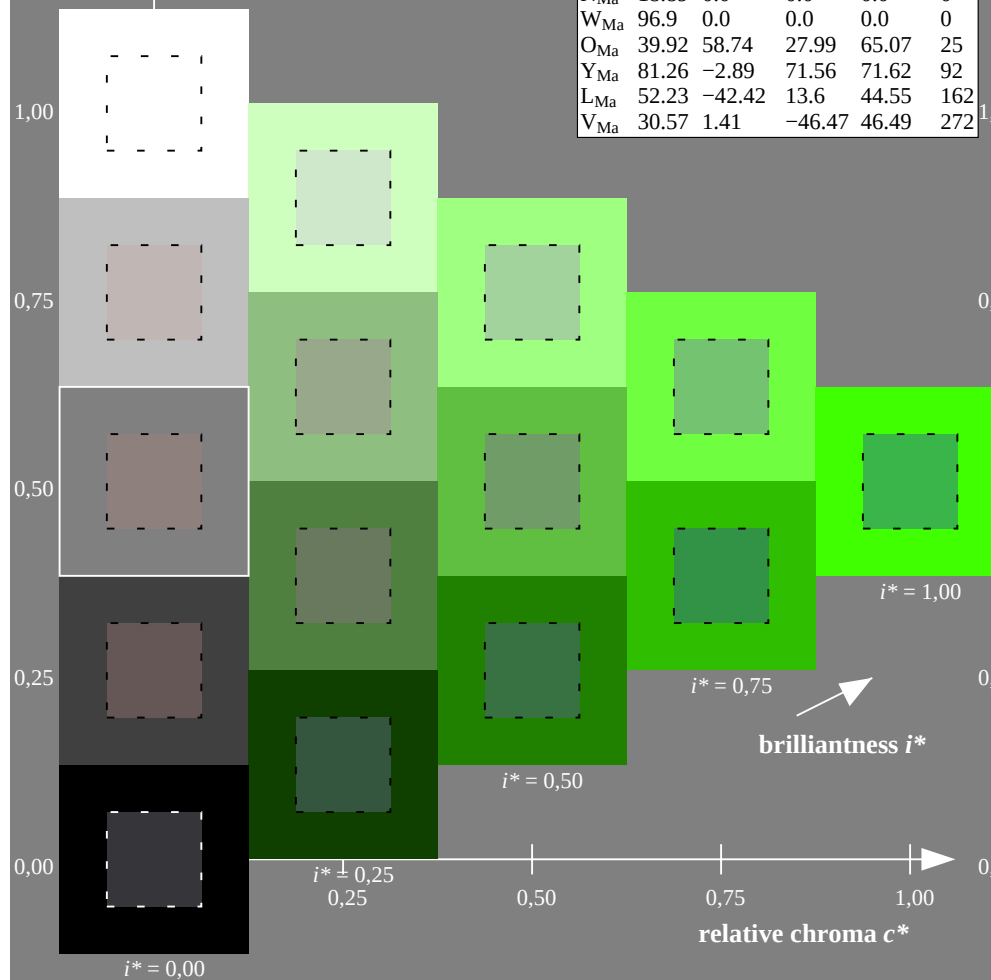
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g_{H,rel}^* = 72$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM-test chart Ee44; Colorimetric systems, Page 9/270
3 separations and 9 data tables for 16 hues o00y to m75o

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

output: no change compared to input

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

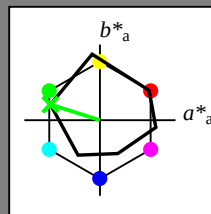
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

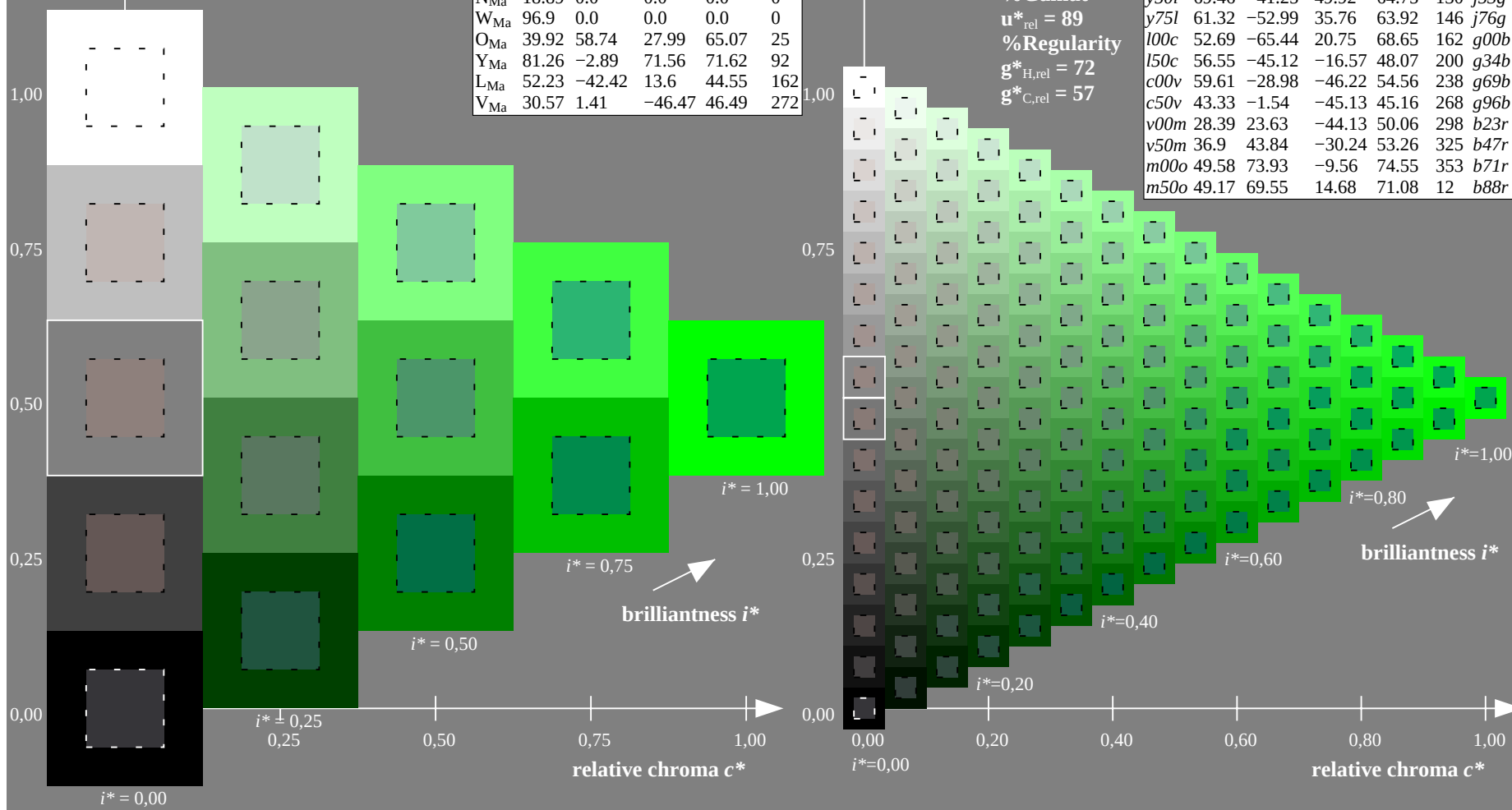
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

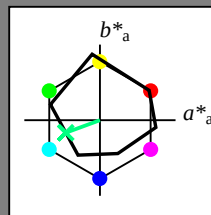
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

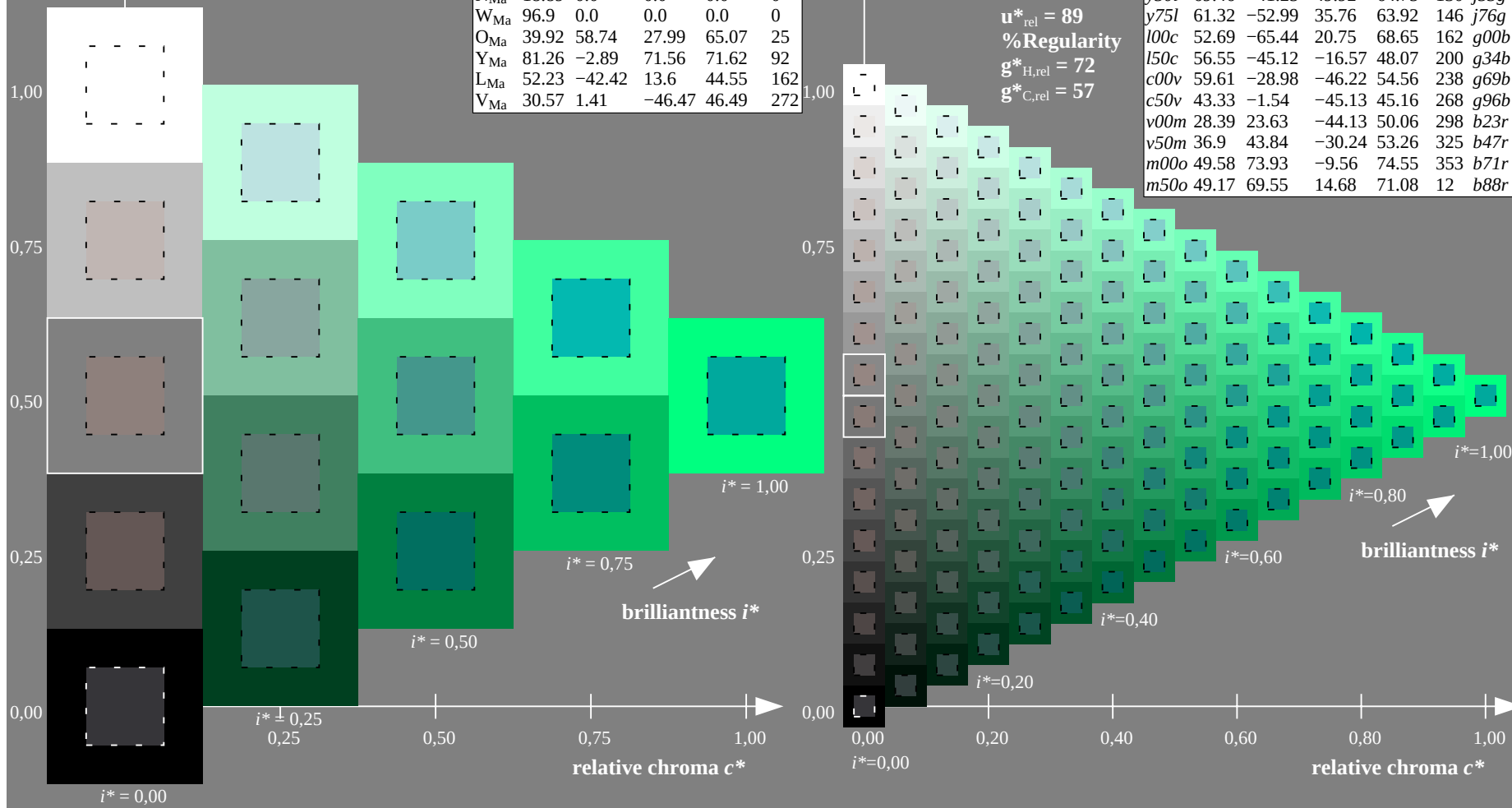
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

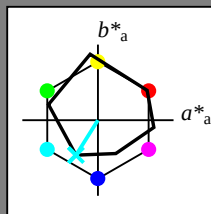
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

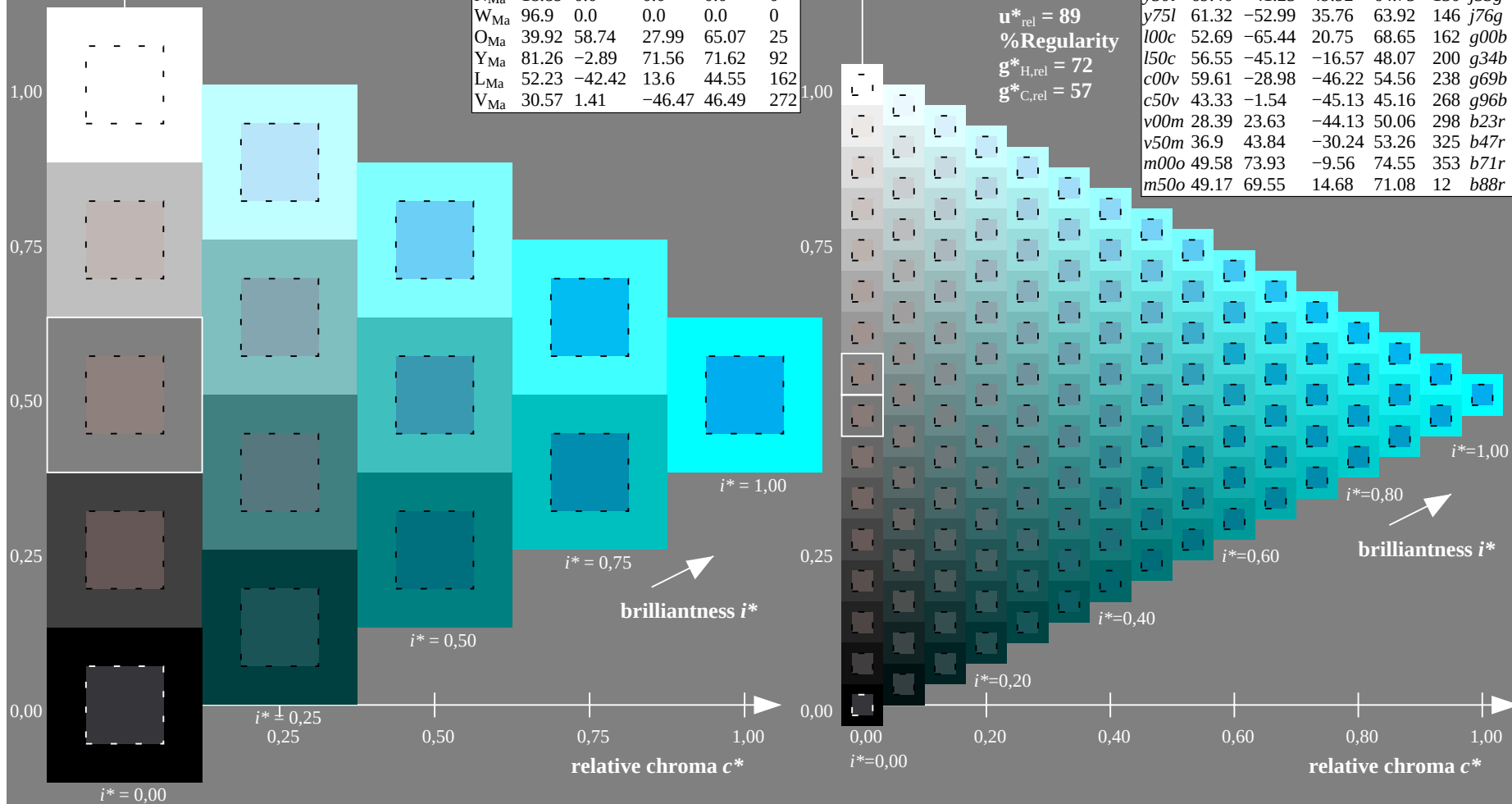
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c00v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

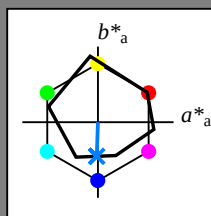
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 43 -2 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 43 45 268

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

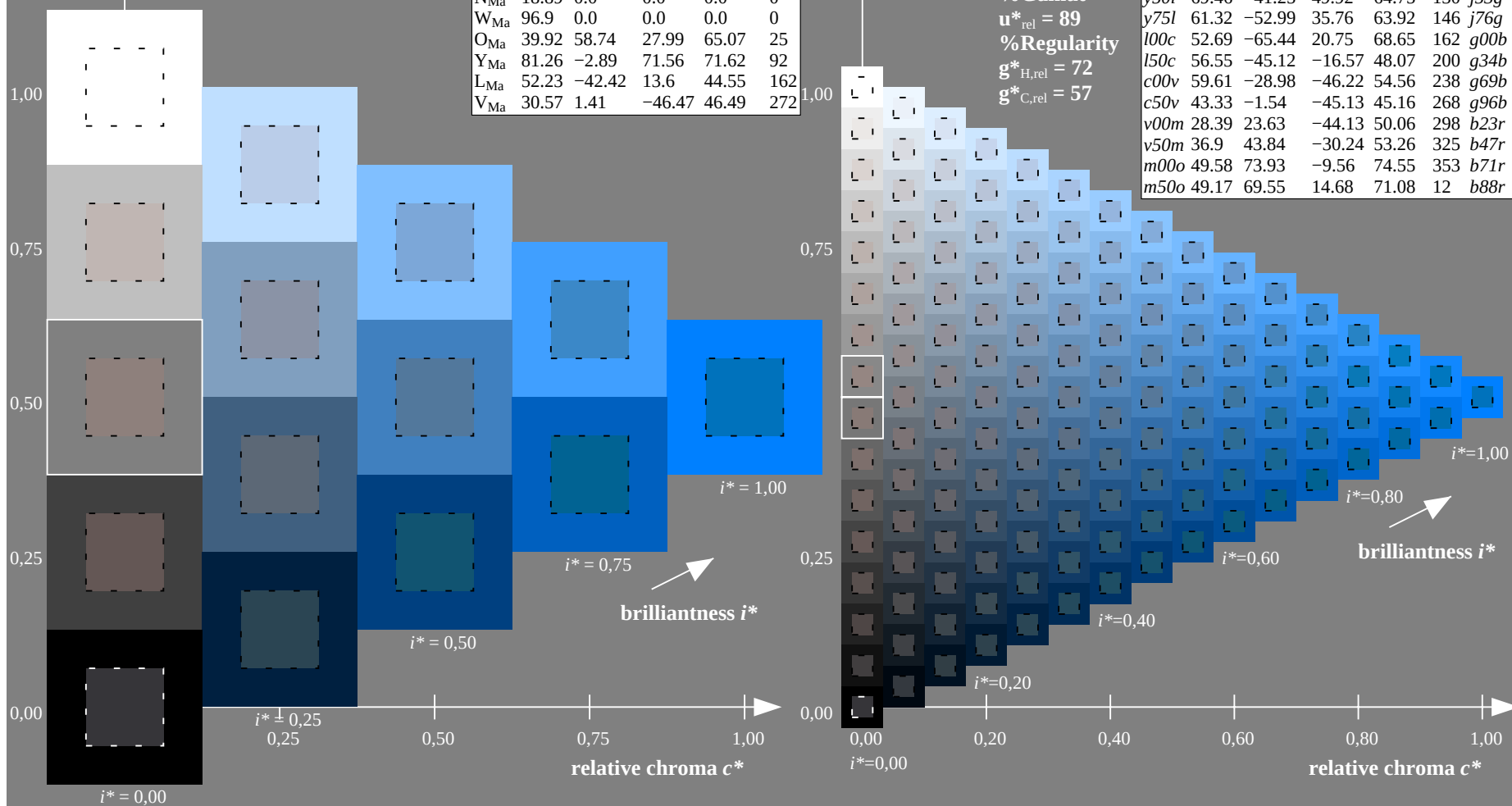
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

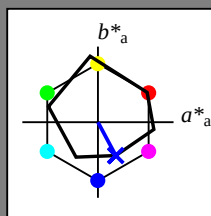
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 28 24 -44

$\text{LAB}^*\text{LCH}^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

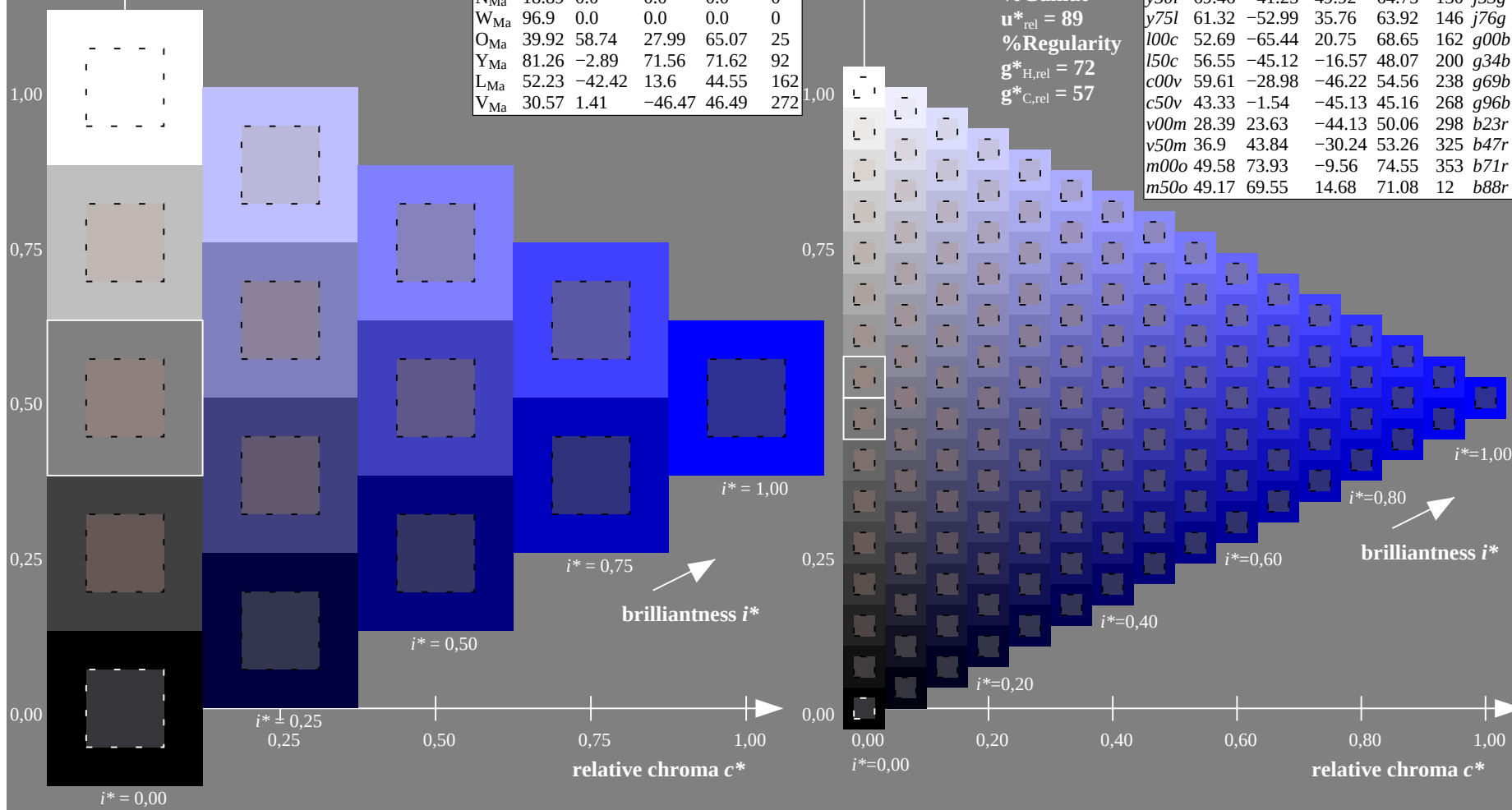
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = v00m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

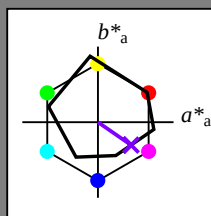
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 37 44 -30

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 37 53 325

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

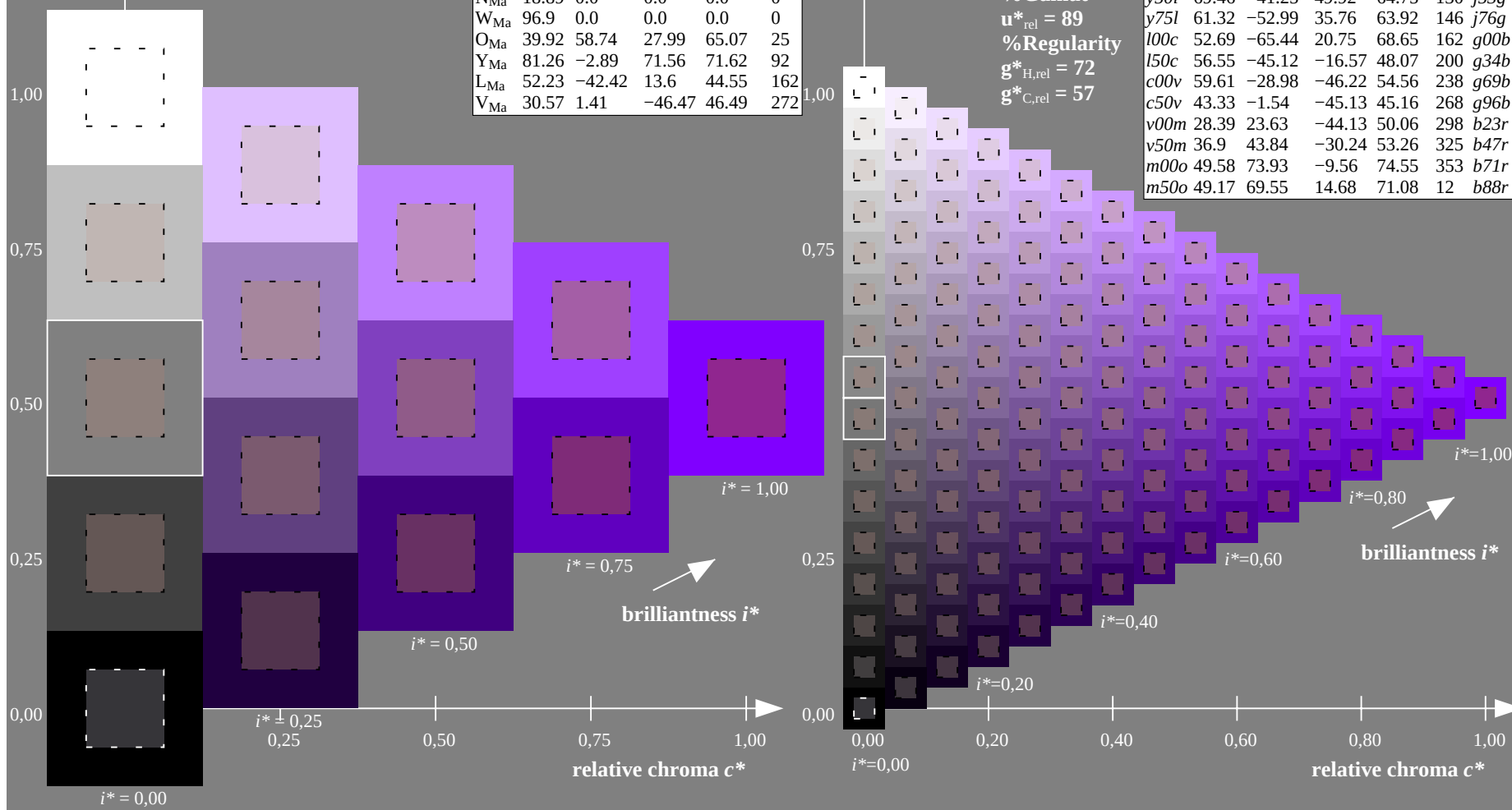
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v50m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

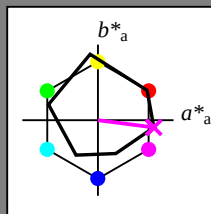
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 50 74 -10

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

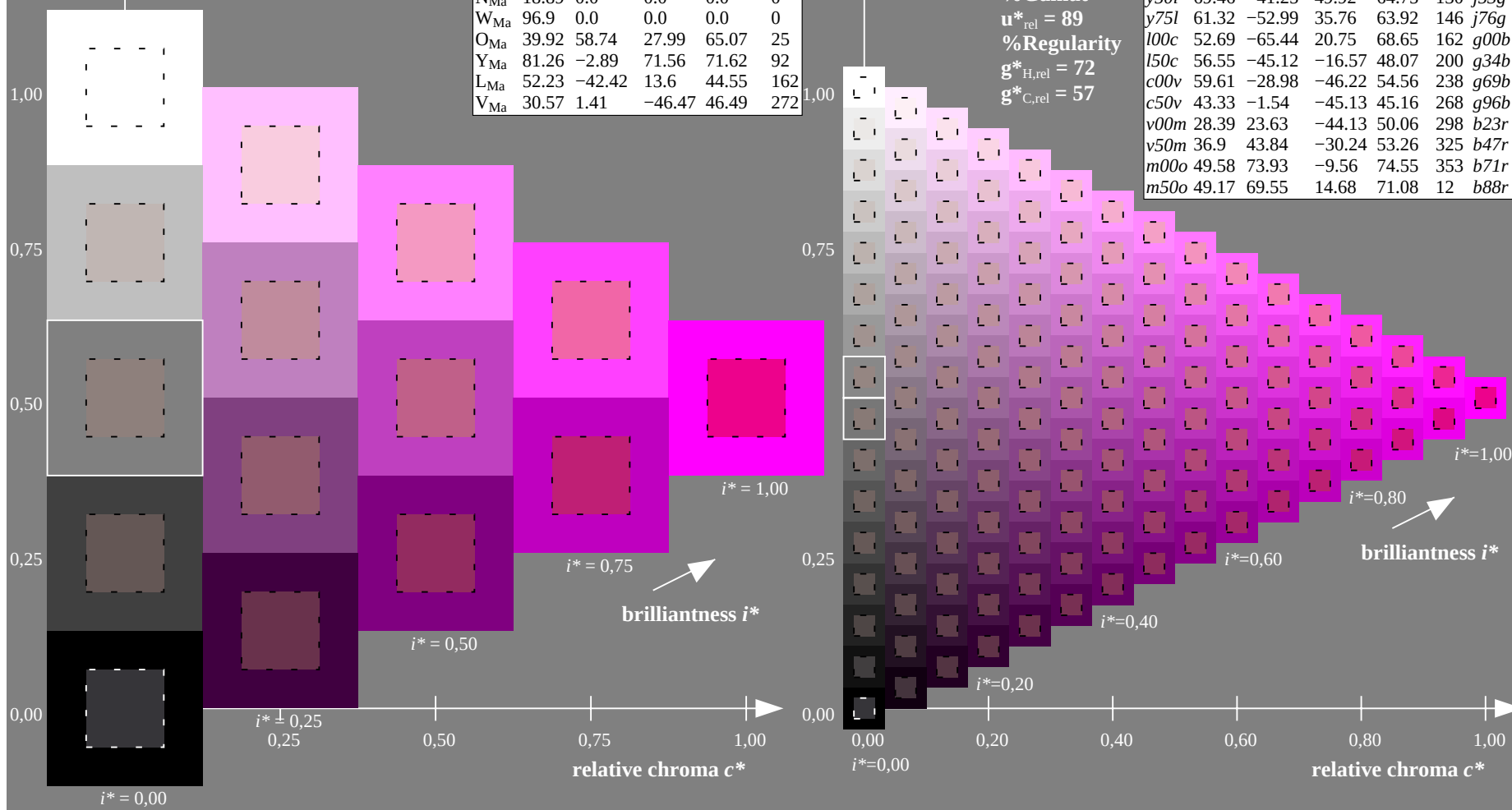
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

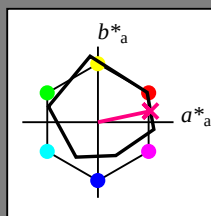
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

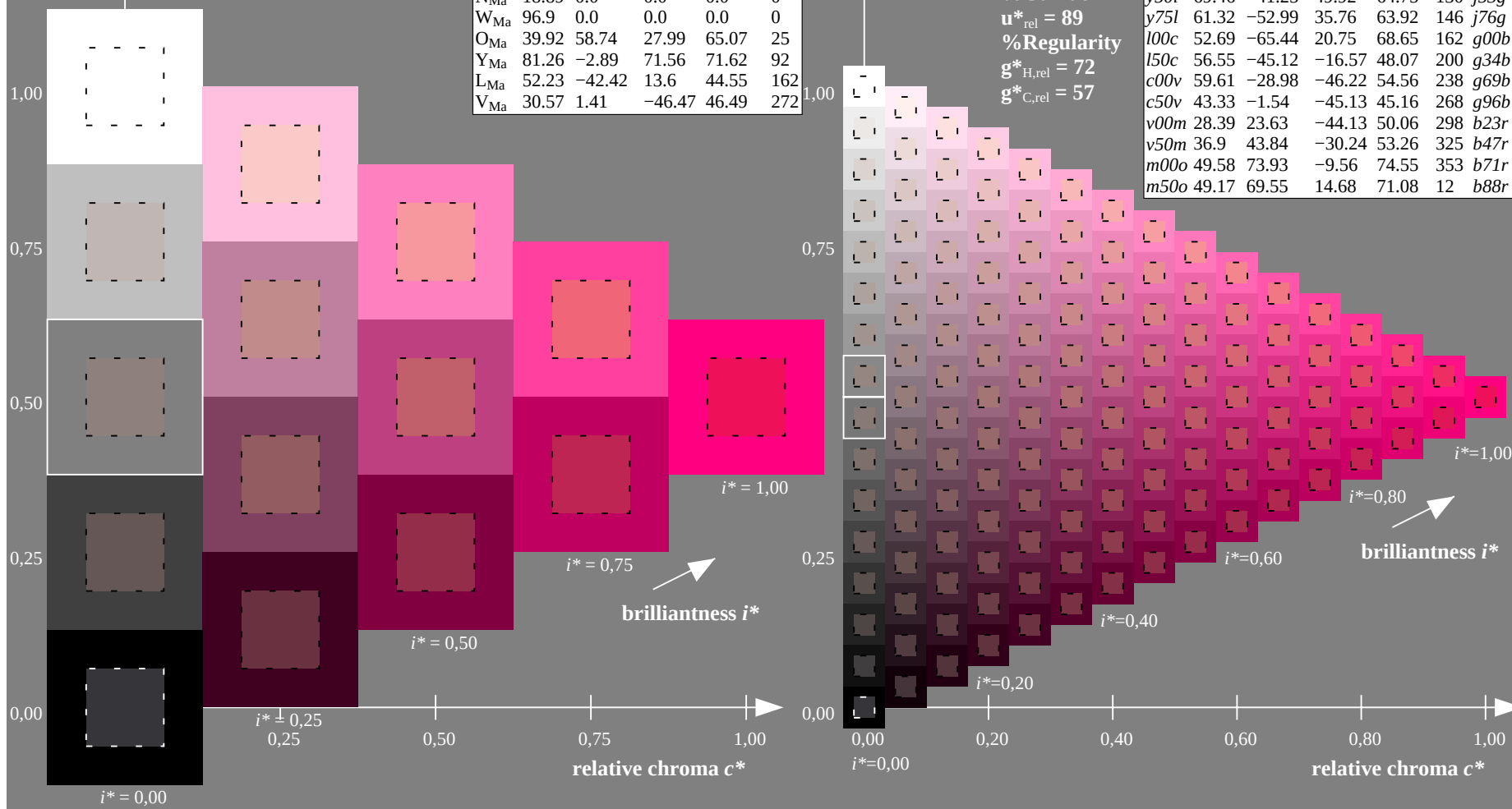
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

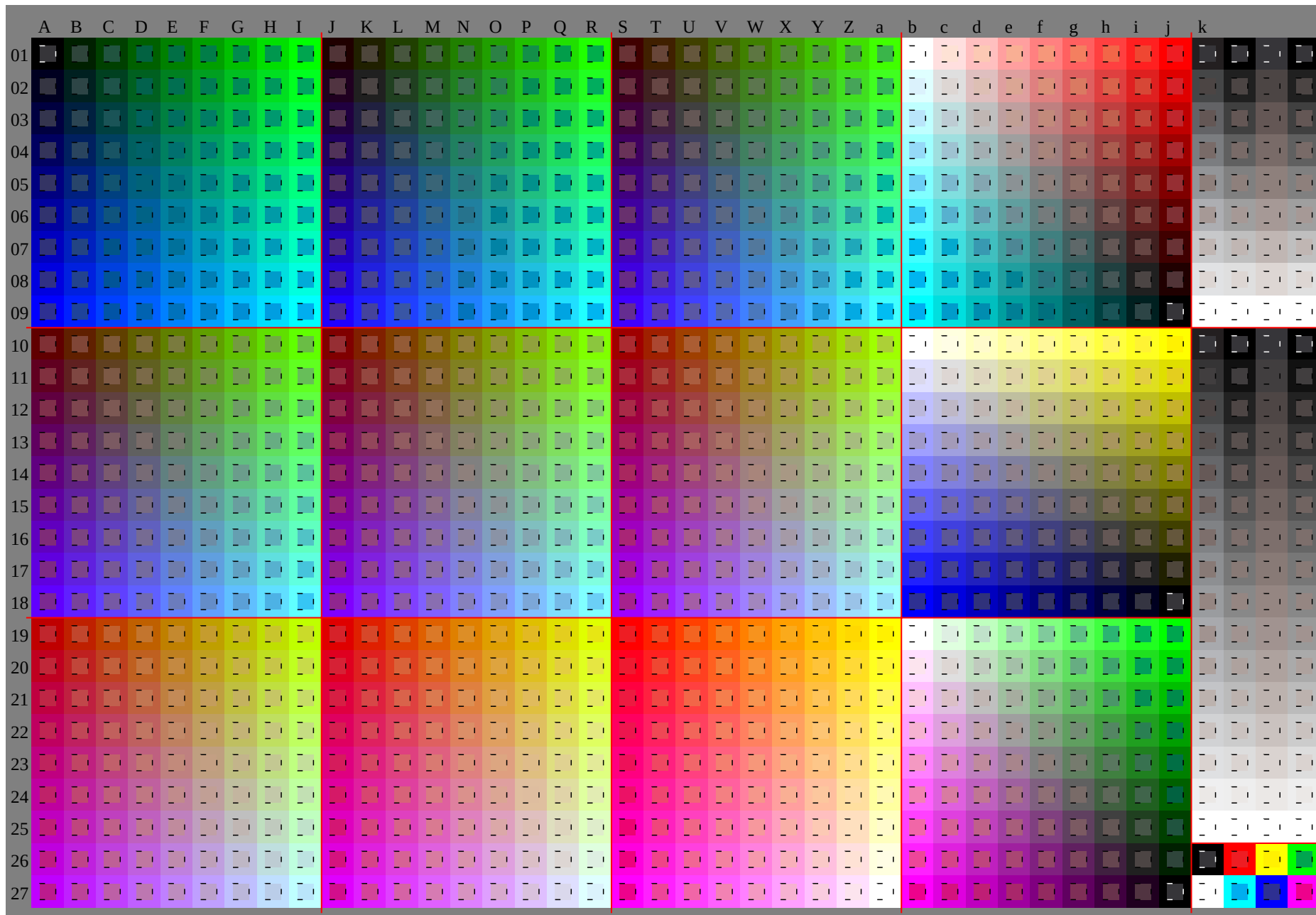
ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee.HTM
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

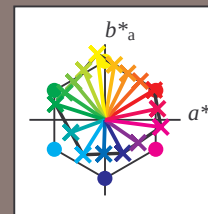


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>



%Gamut

$u^*_{rel} = 89$

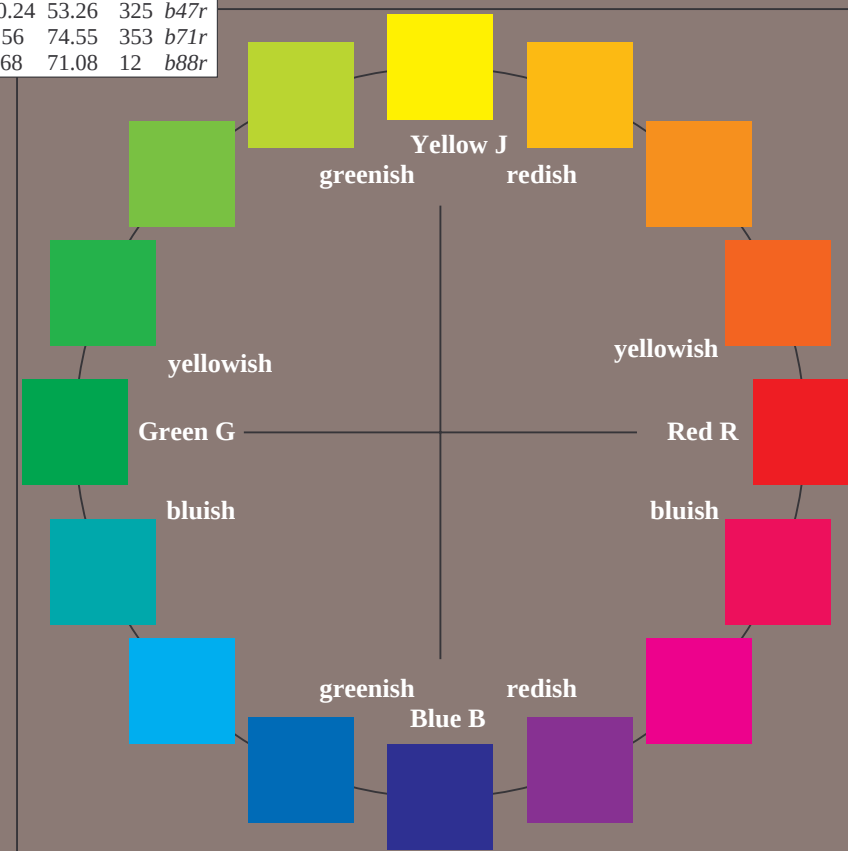
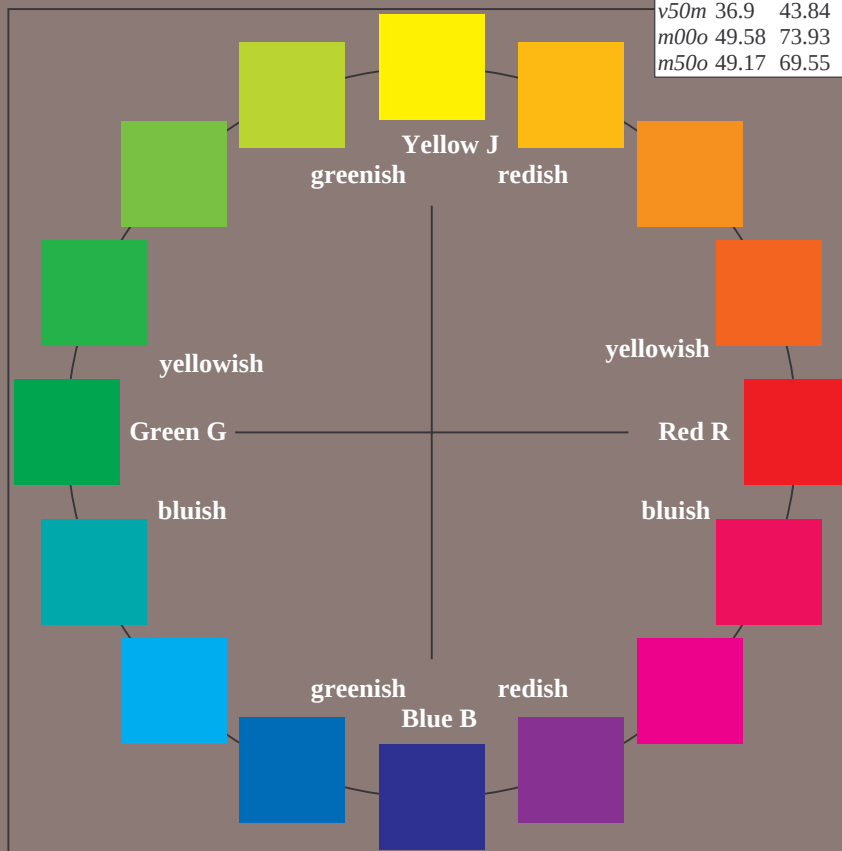
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	25
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

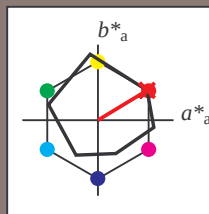
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

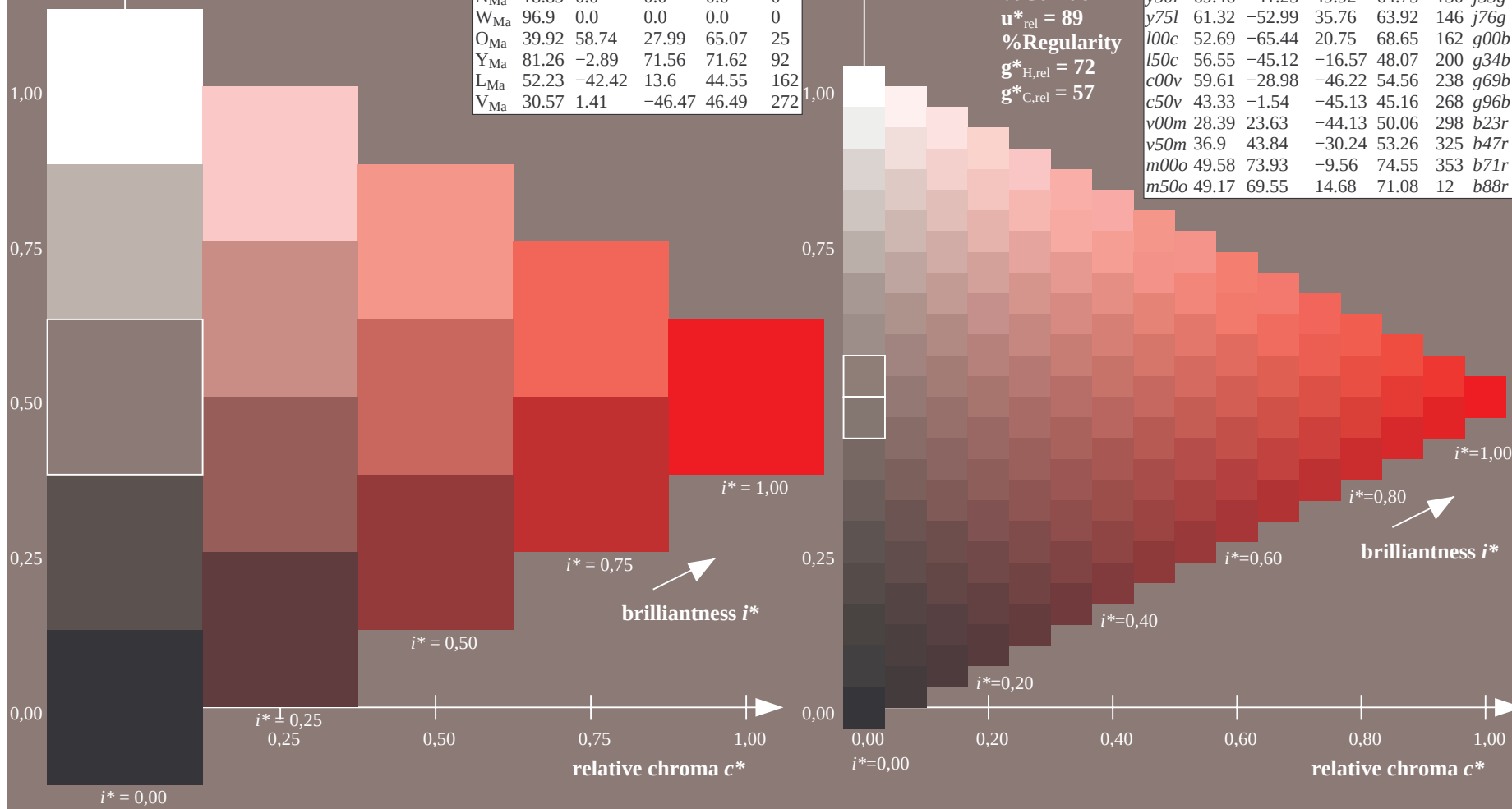
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

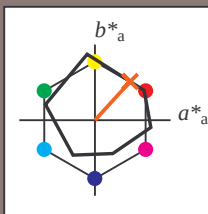
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

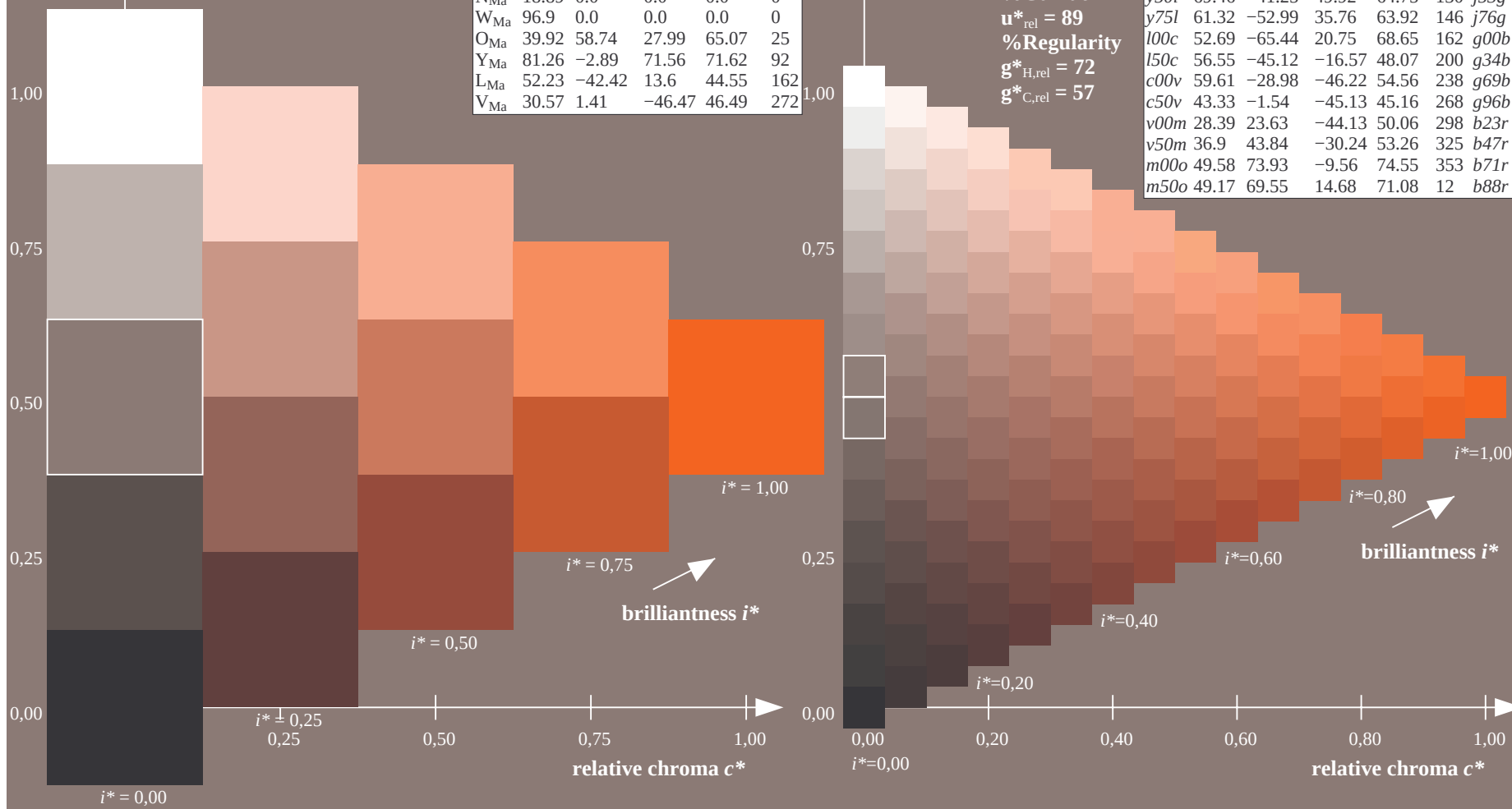
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

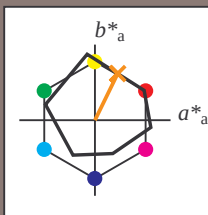
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

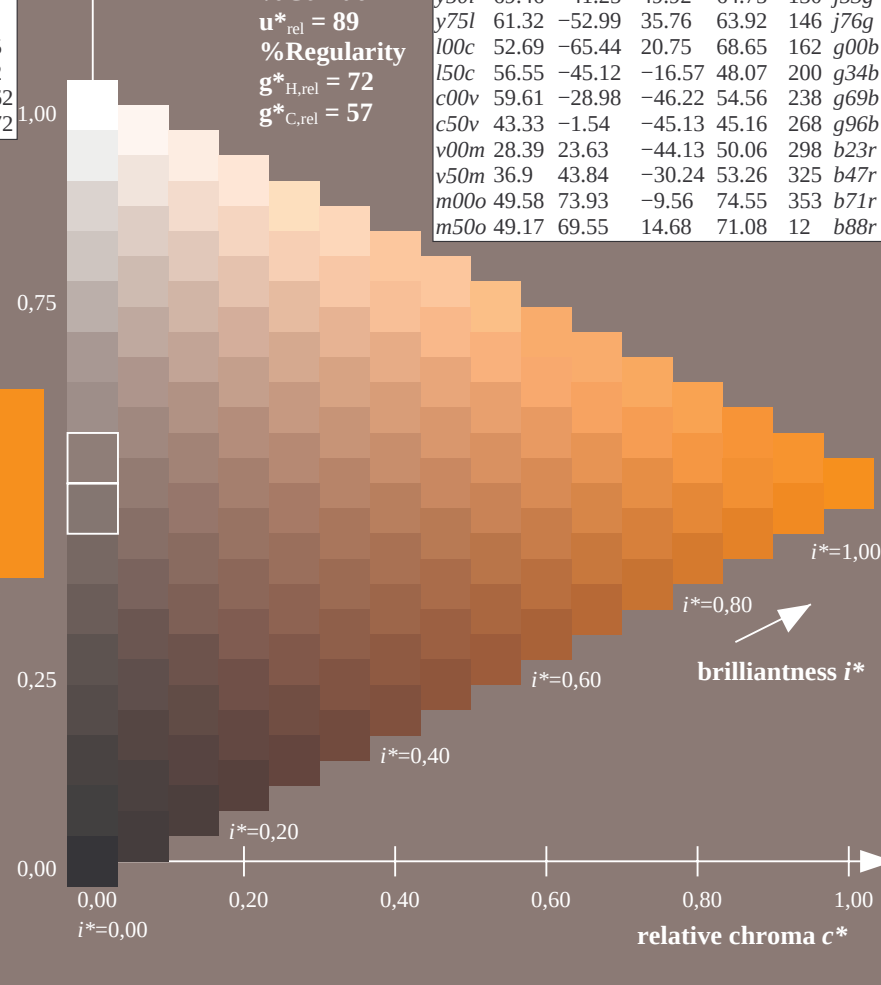
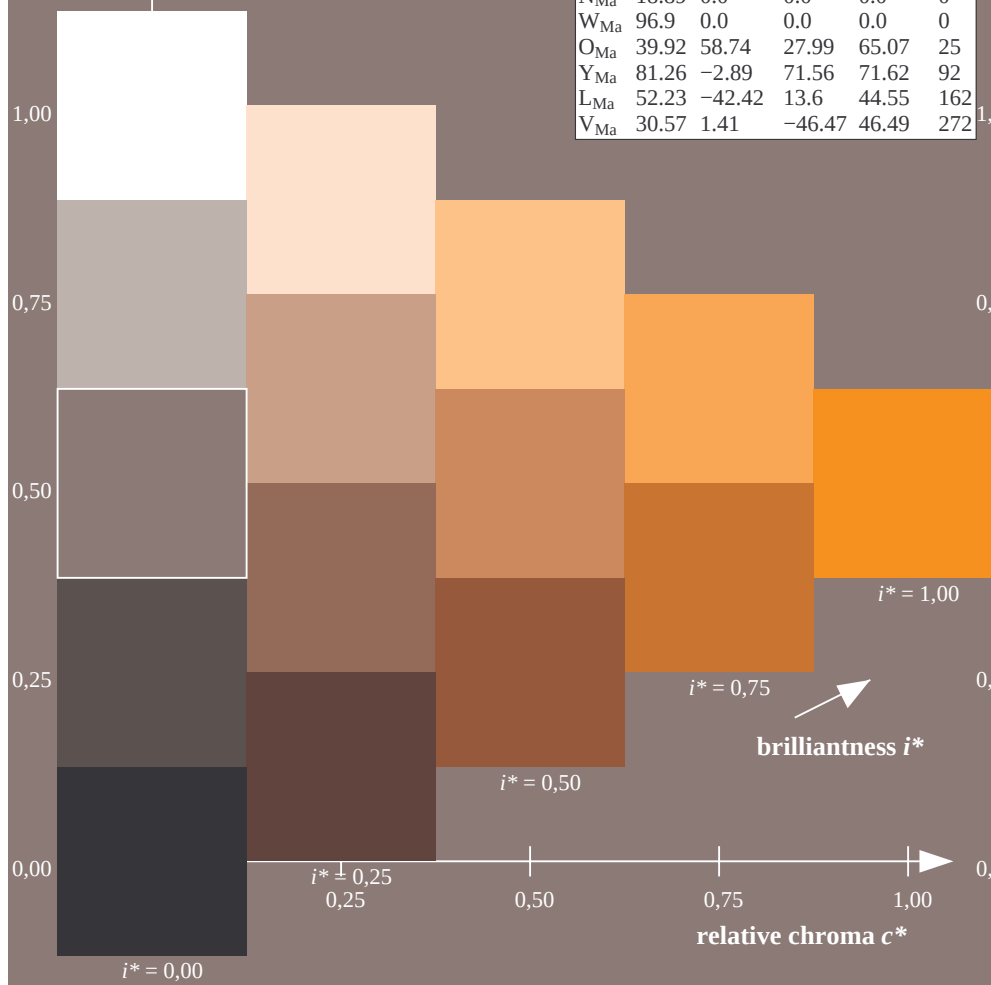
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

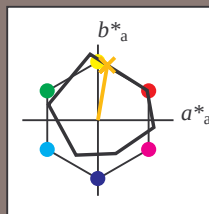
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

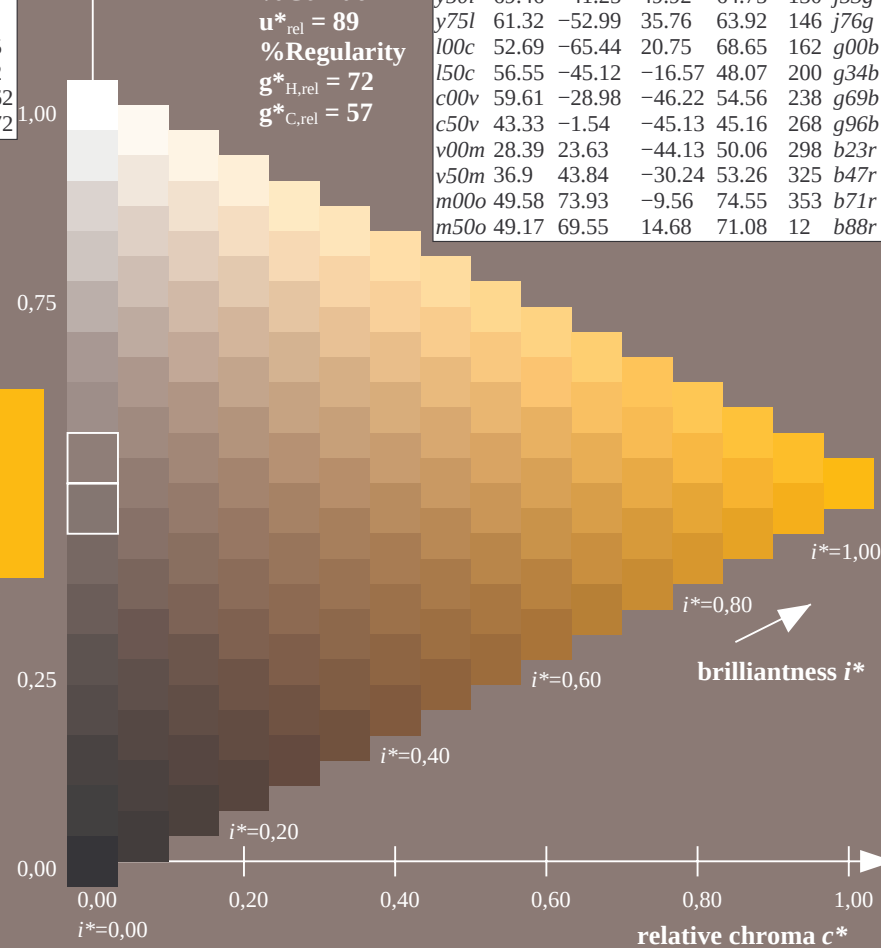
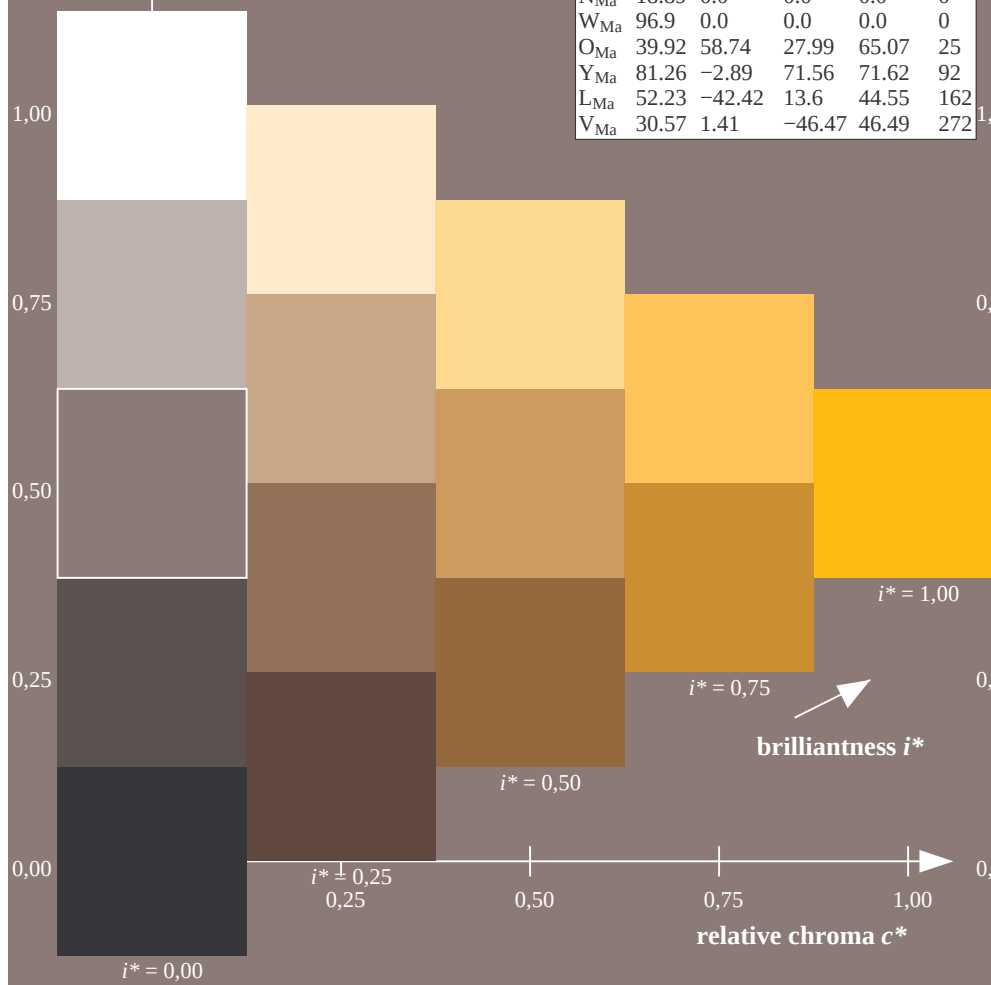
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

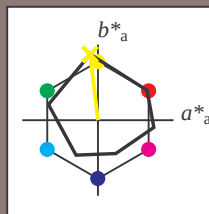
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

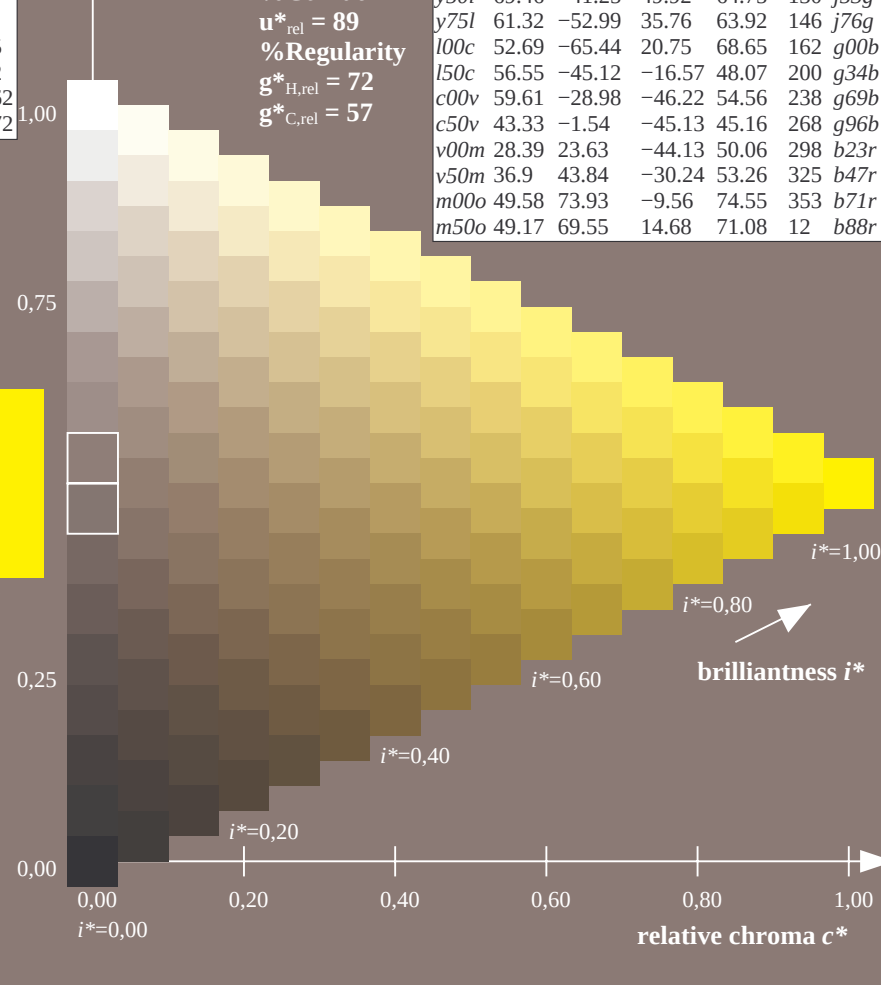
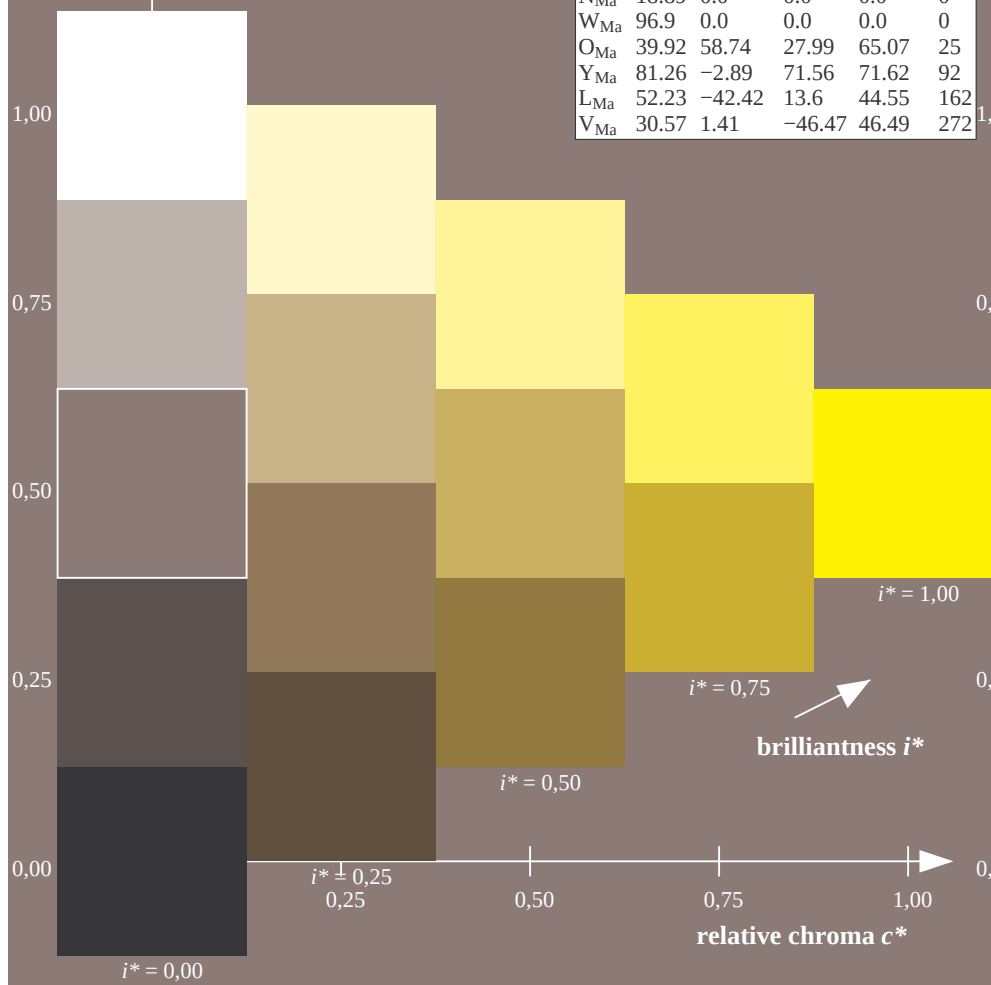
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

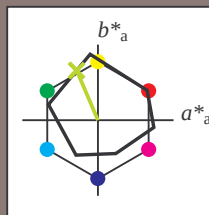
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 79 -28 66

$LAB^*LCH^*_{Ma}$: 79 72 113

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

$lab^*rgb^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

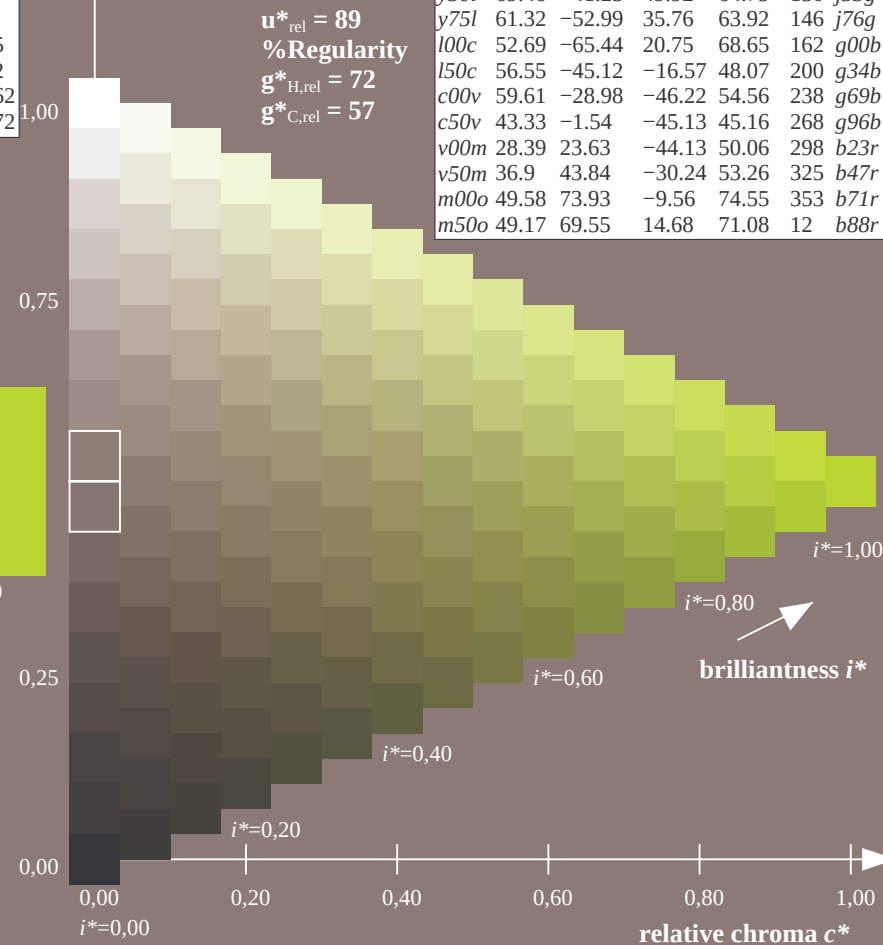
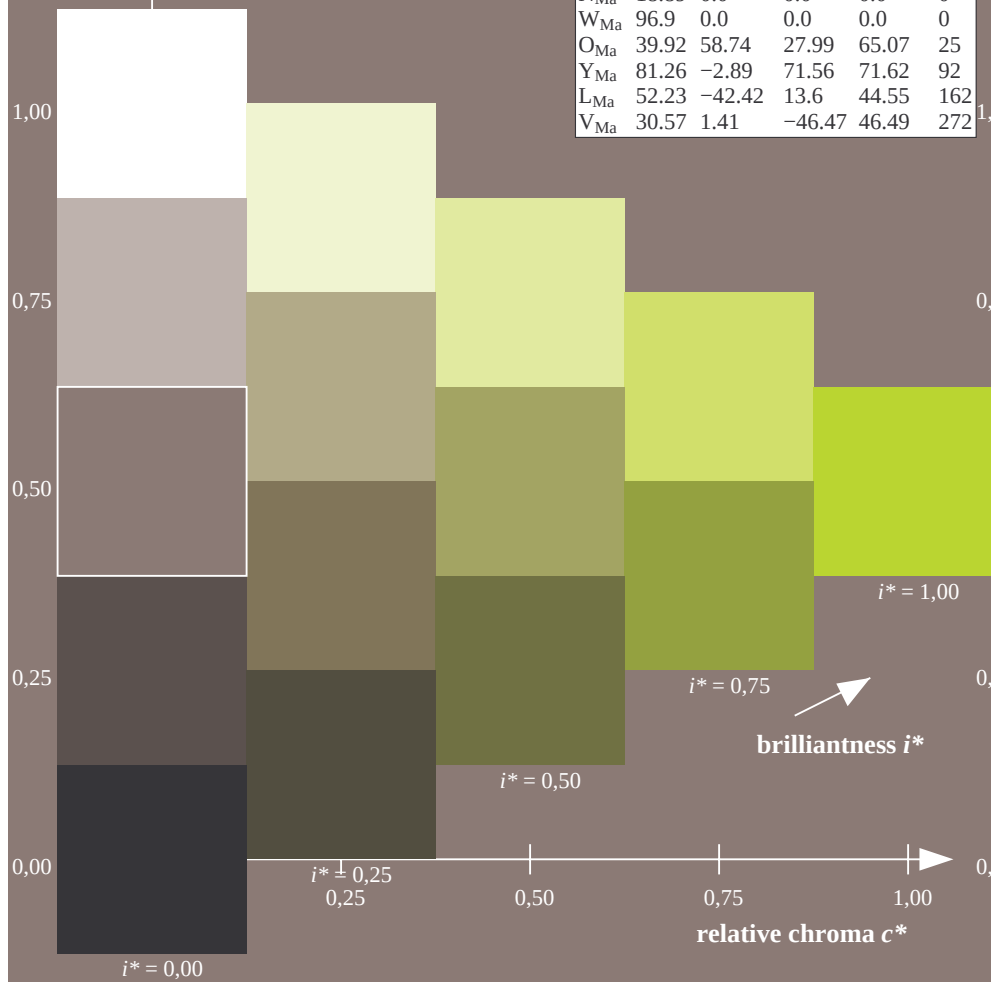
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

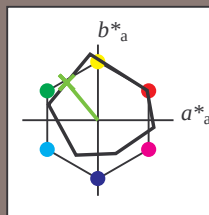
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

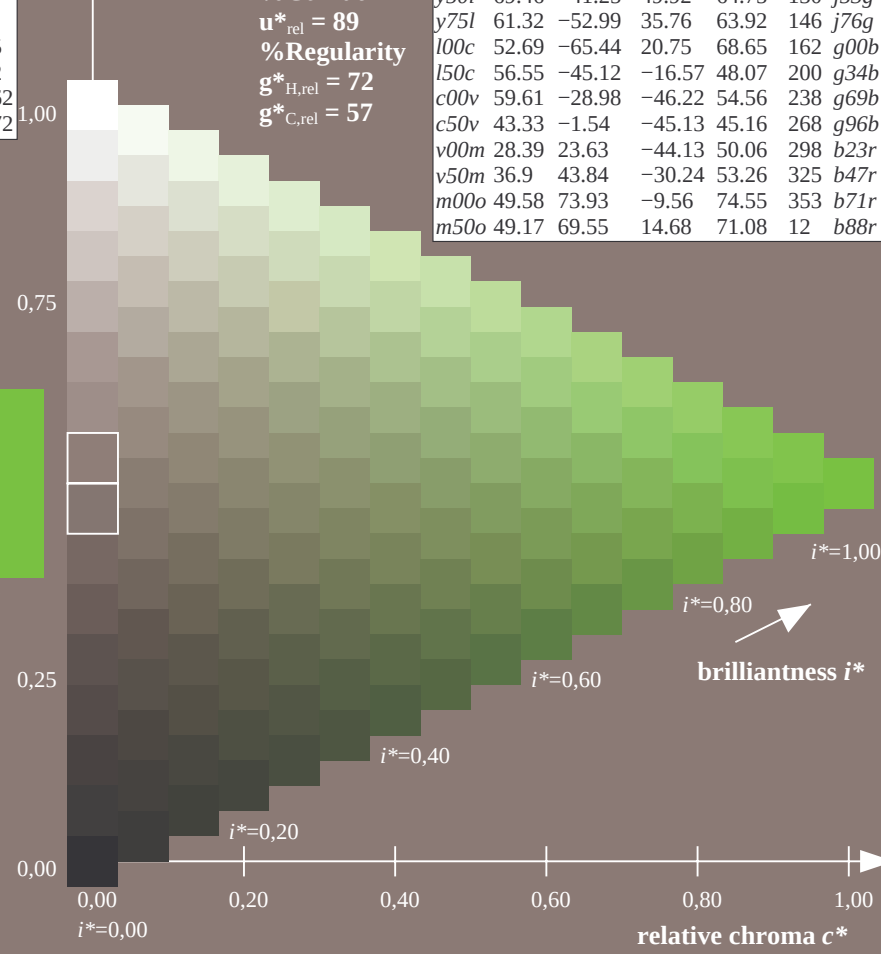
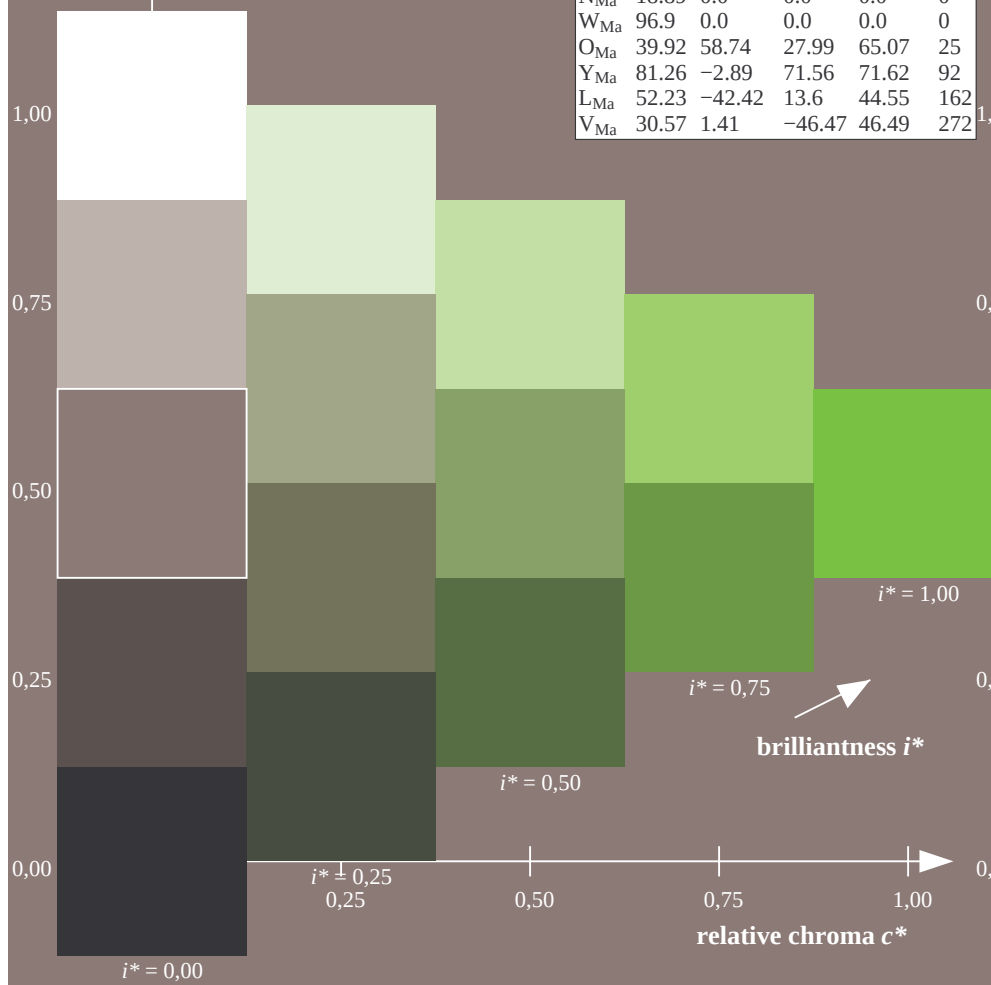
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y50l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

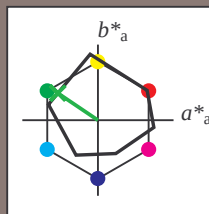
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

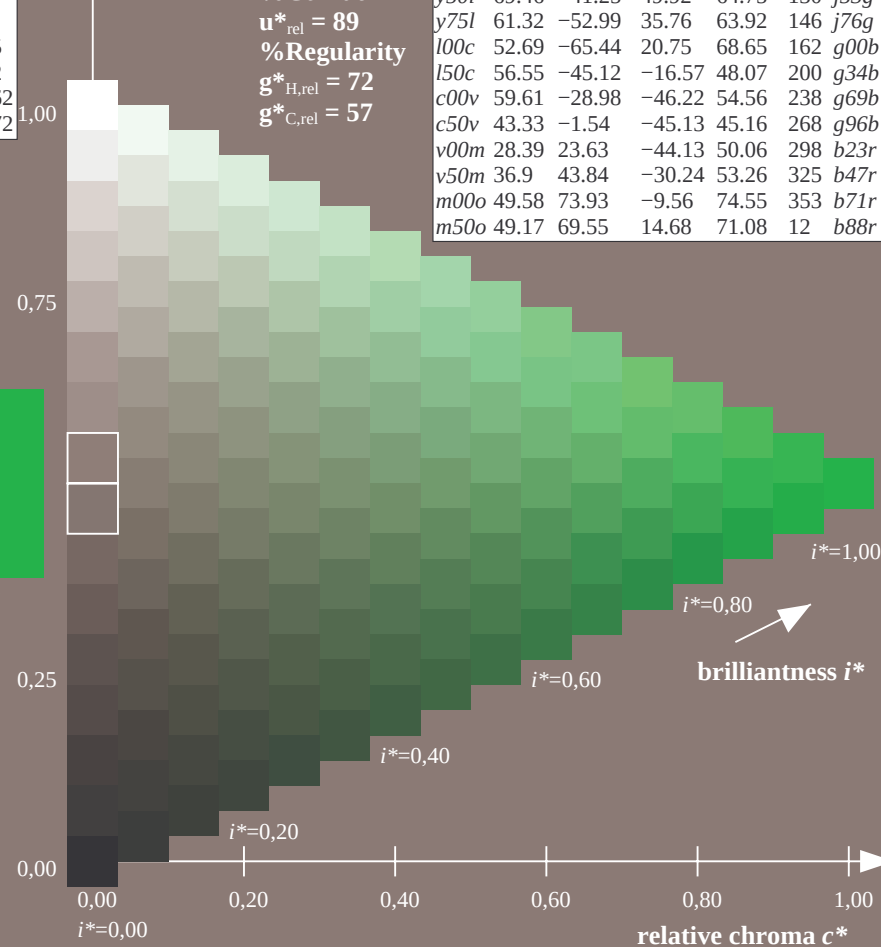
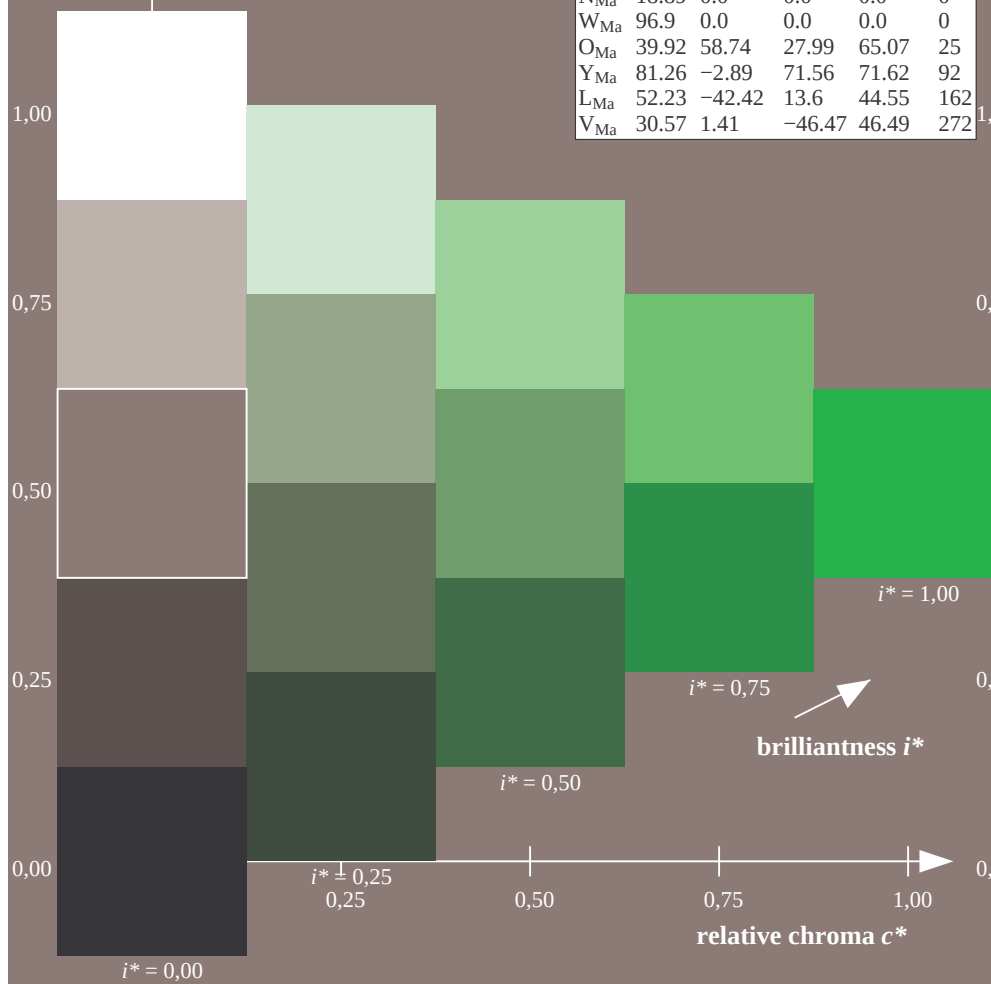
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

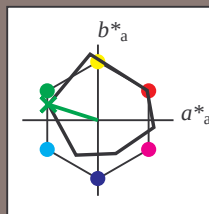
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

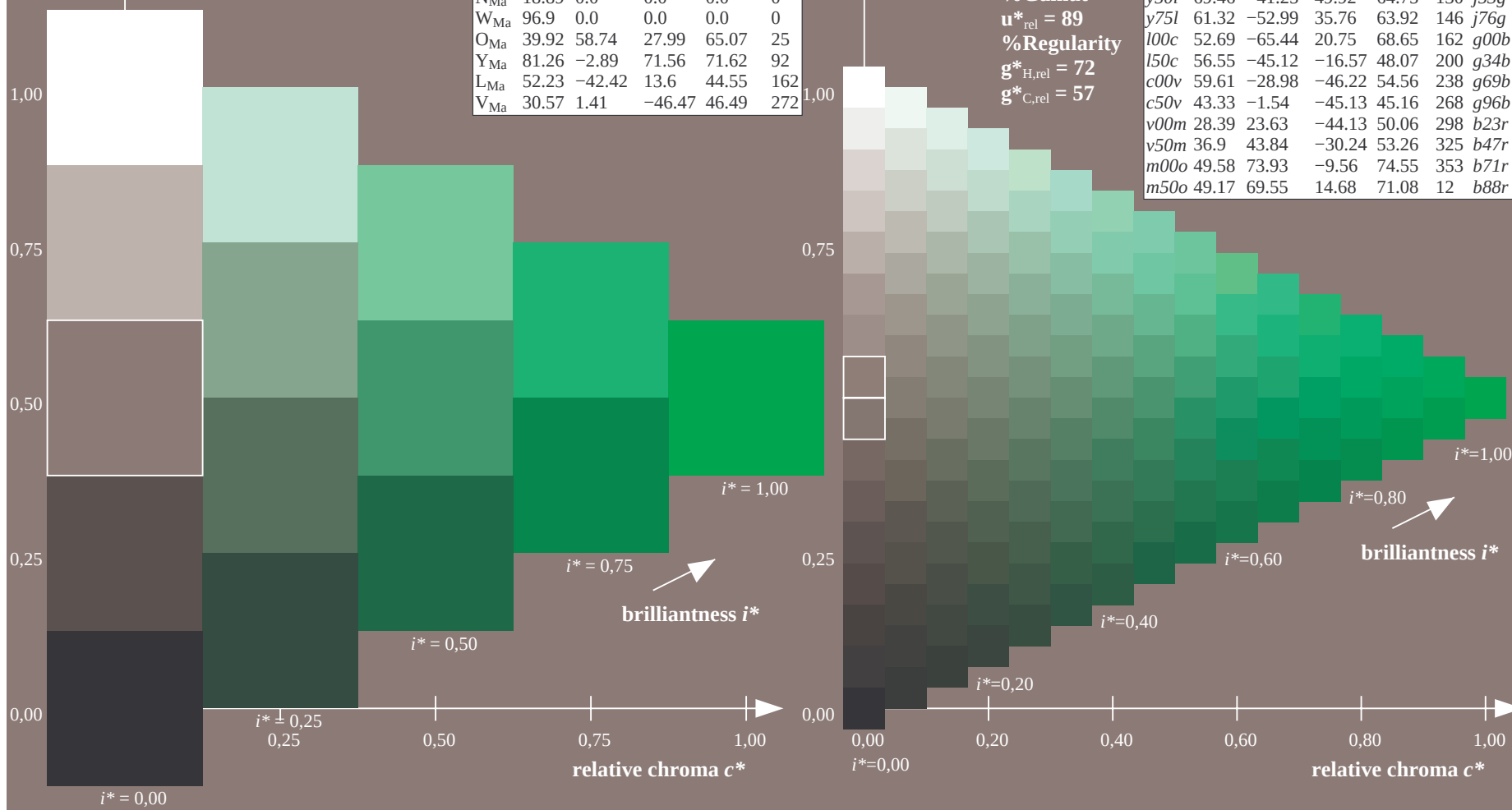
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

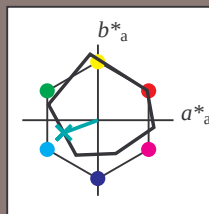
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

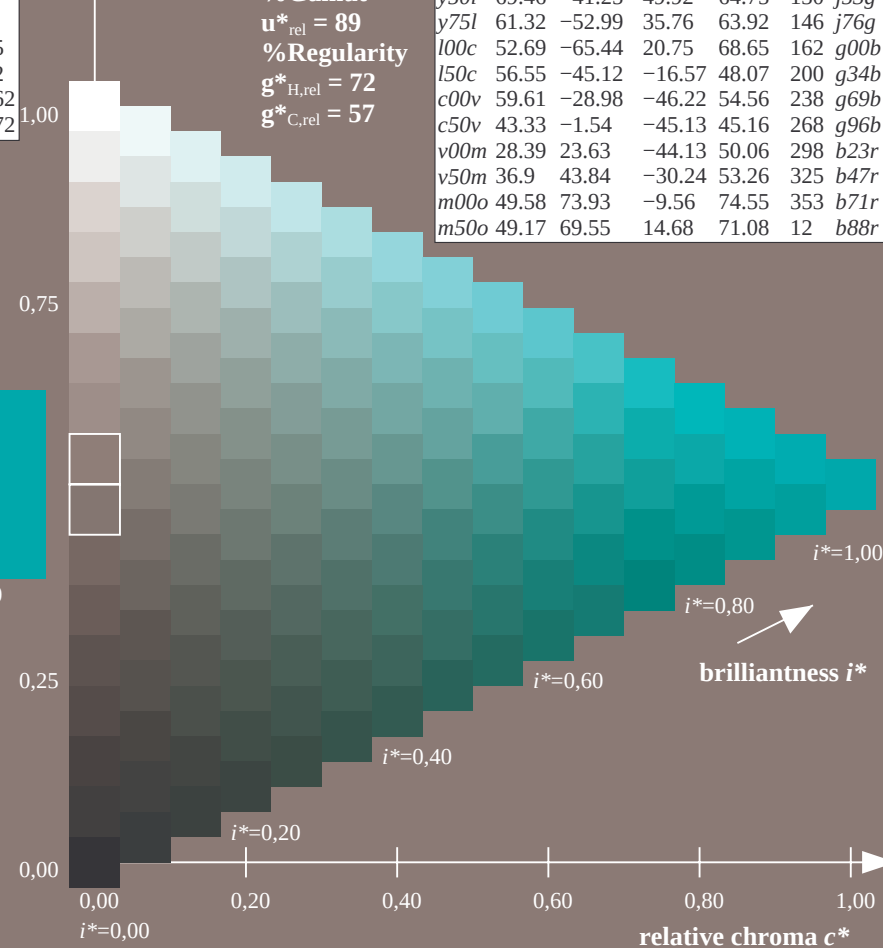
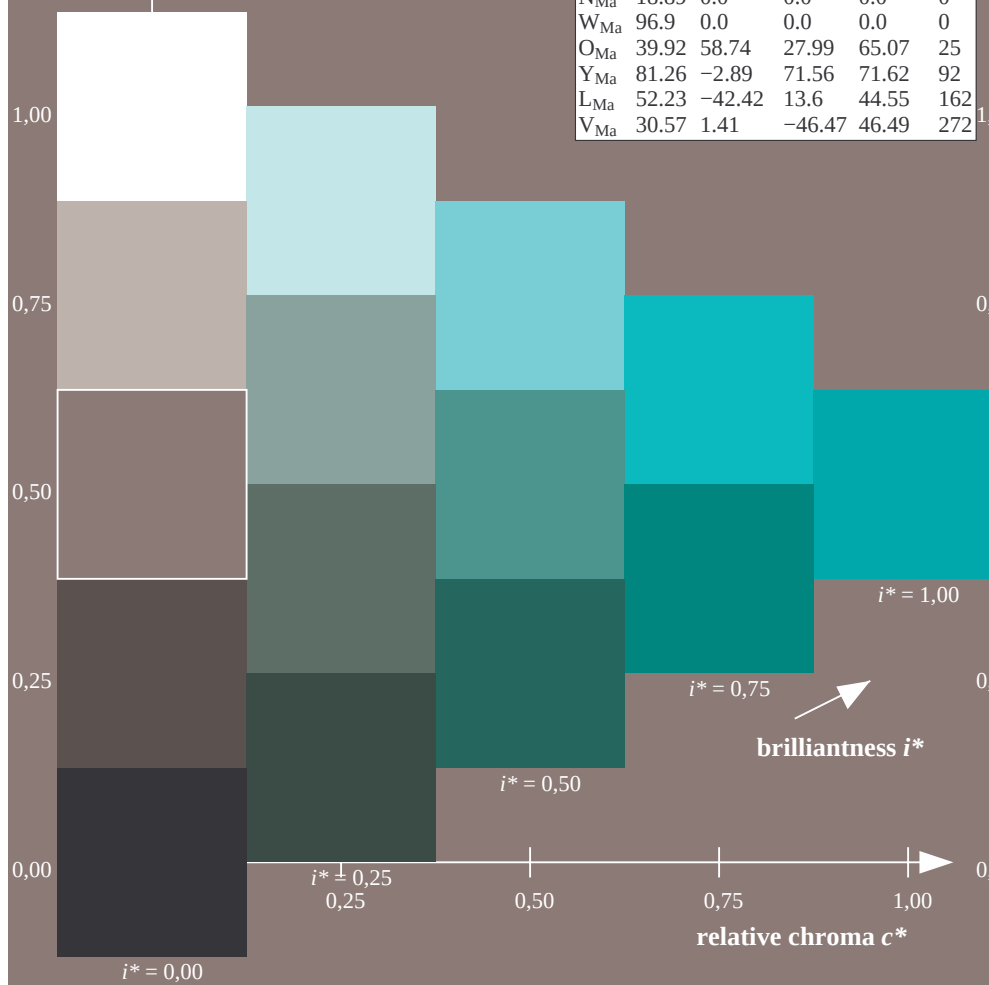
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

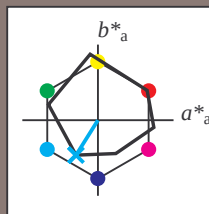
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

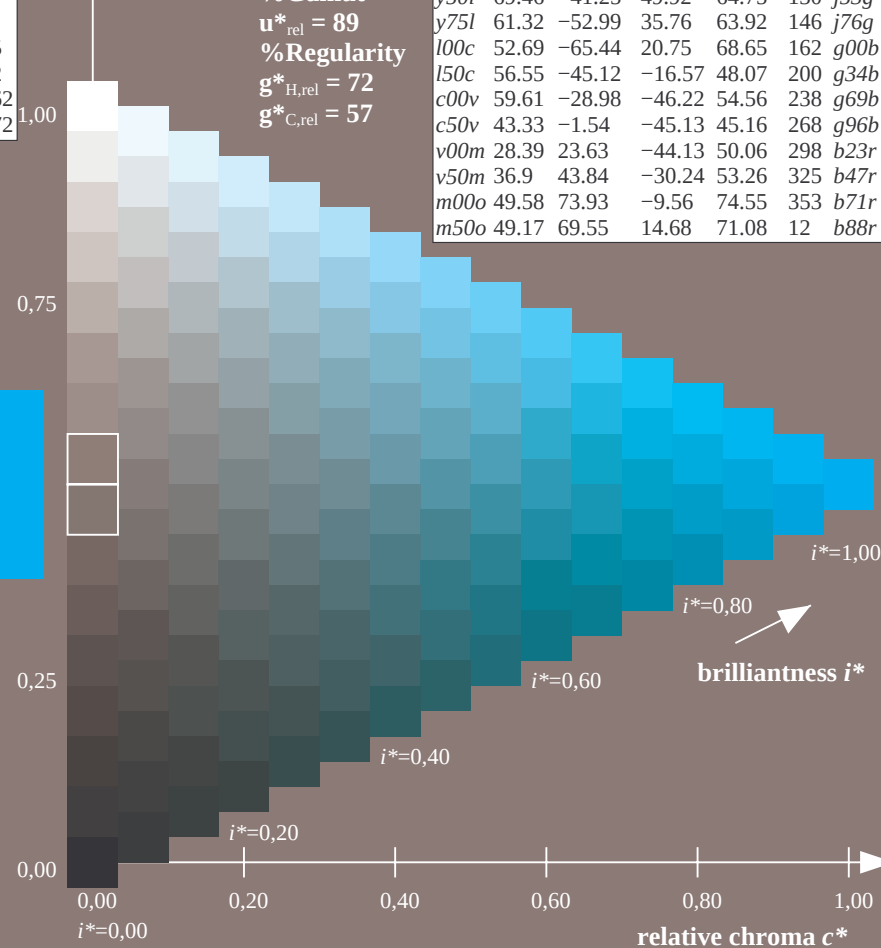
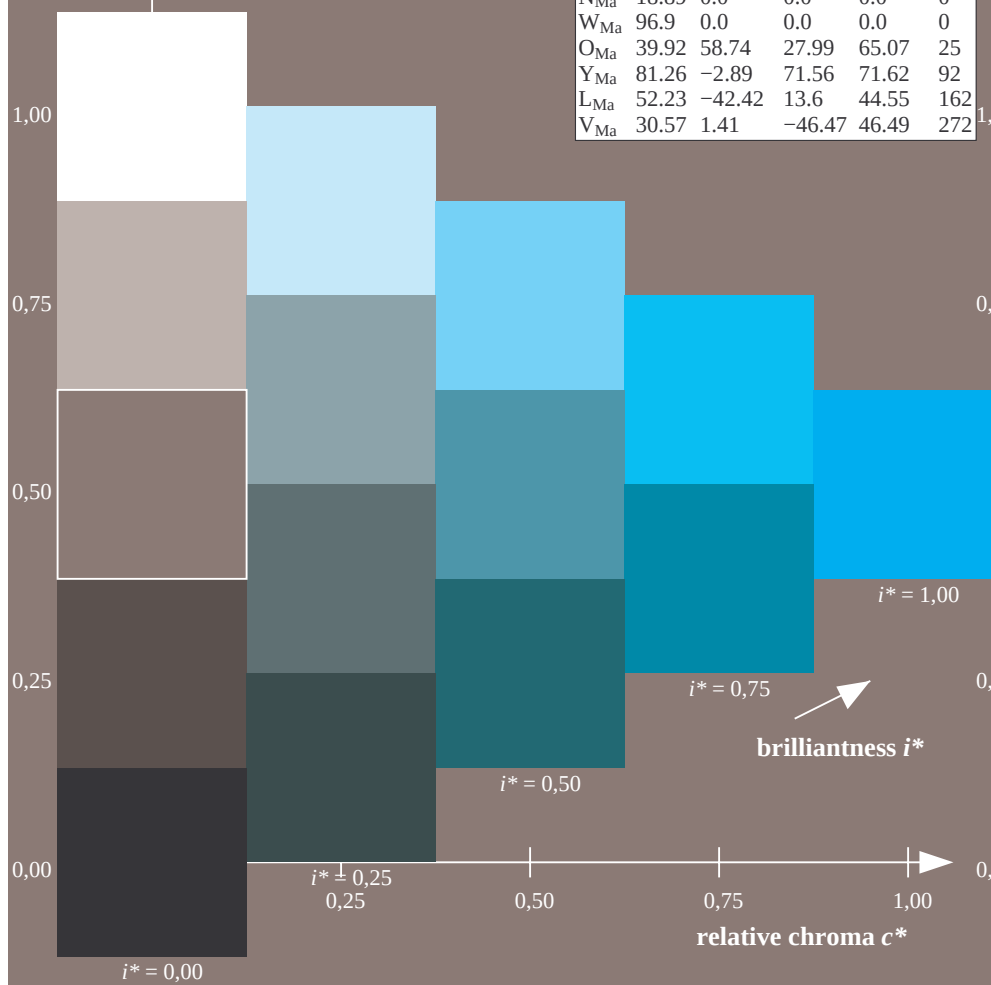
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

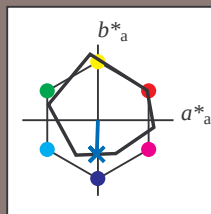
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

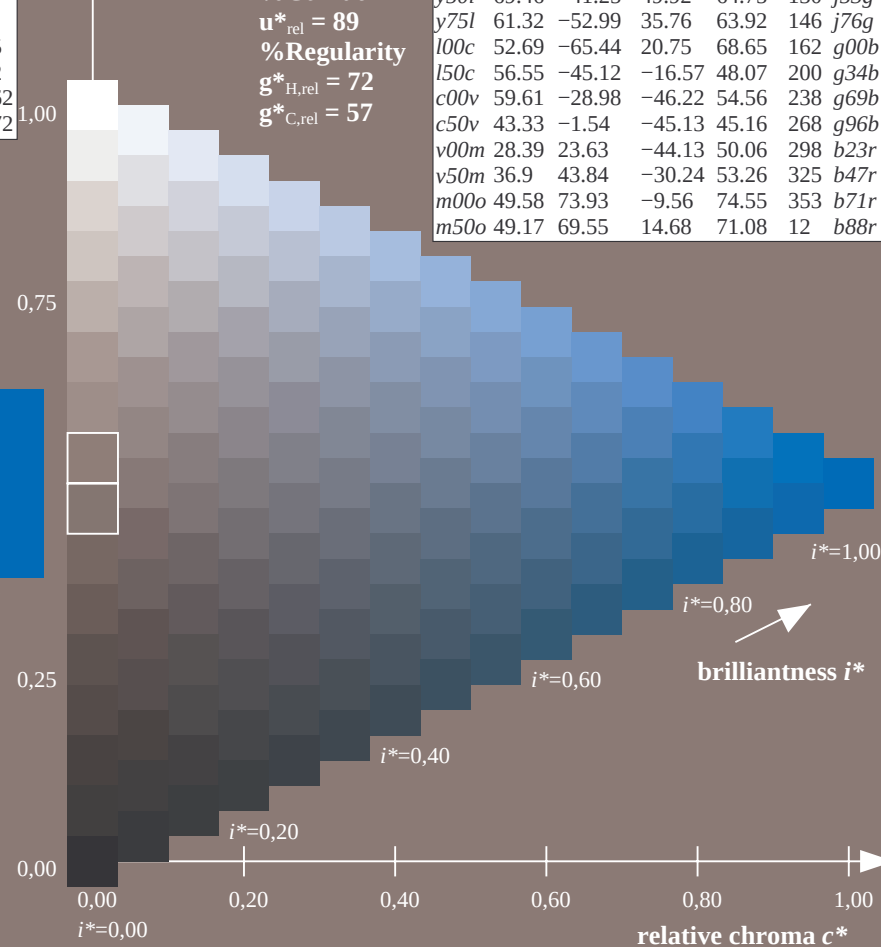
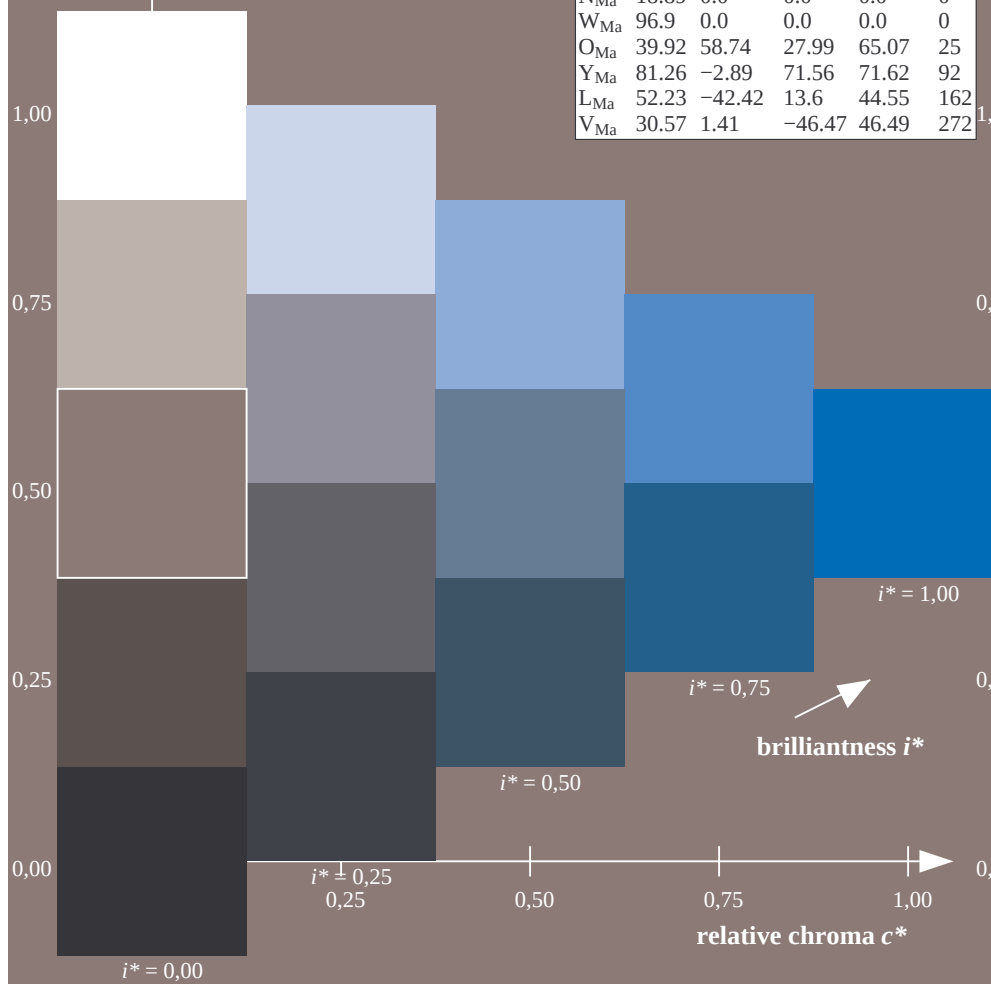
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

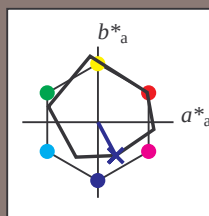
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

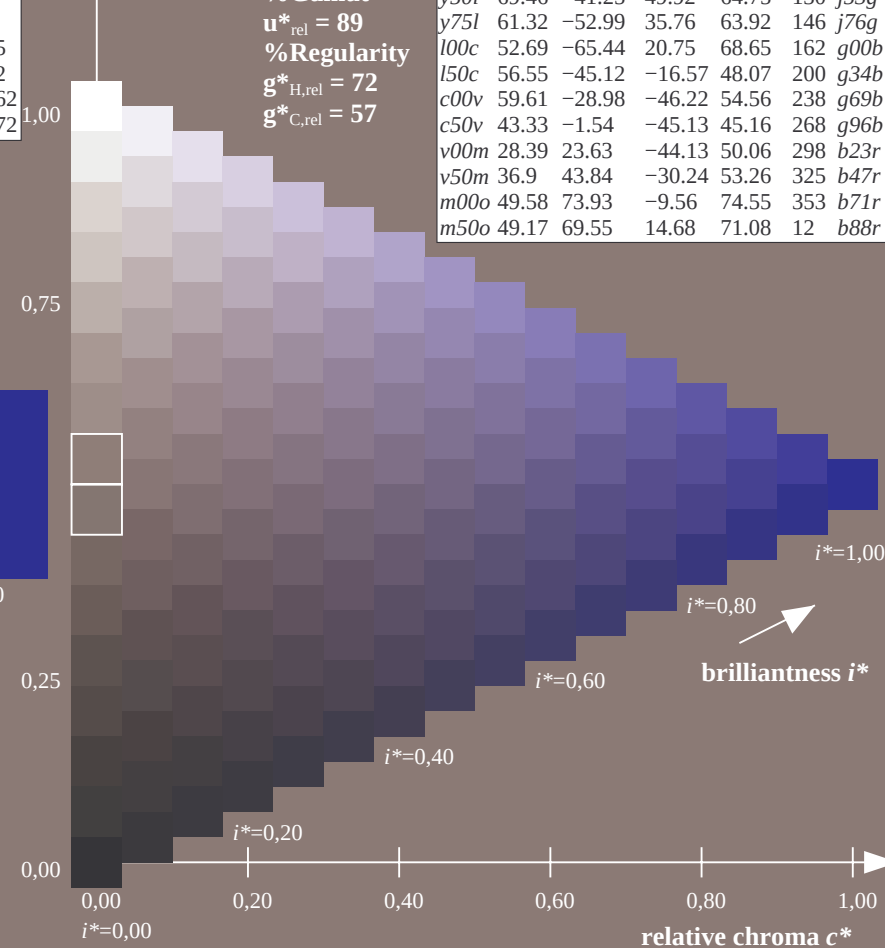
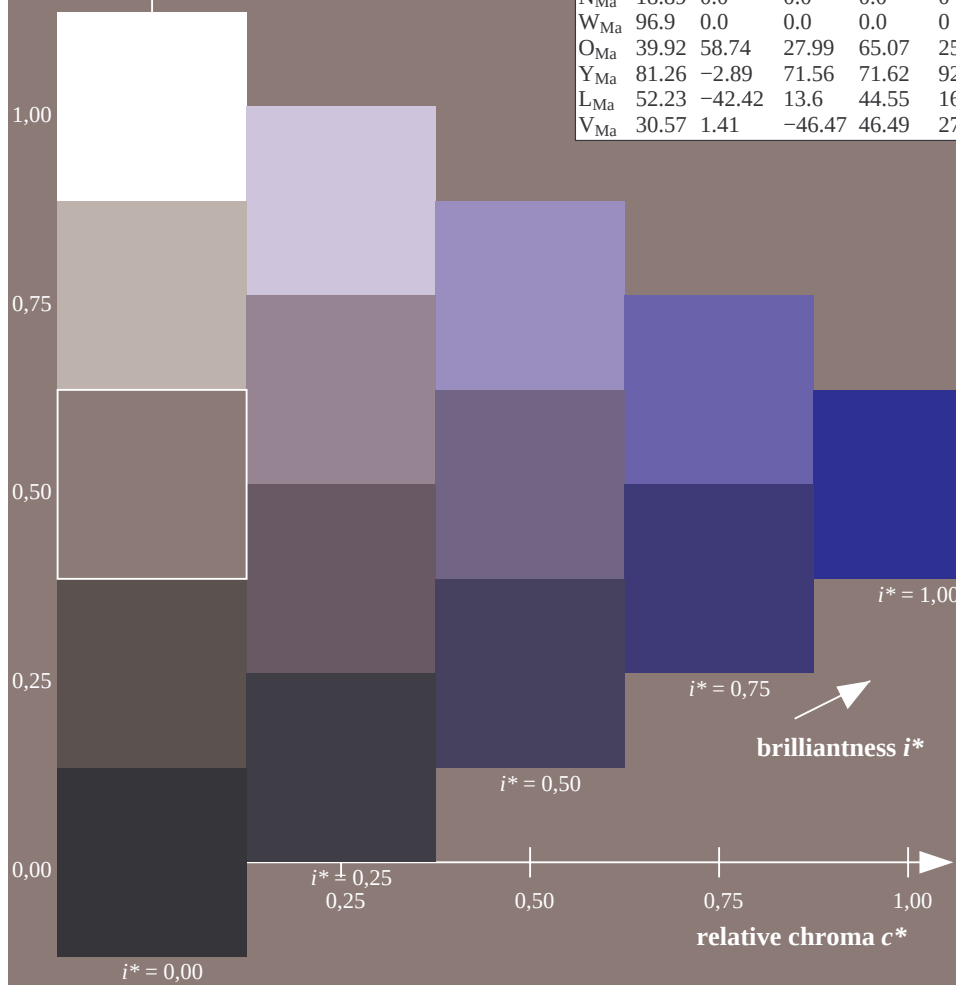
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

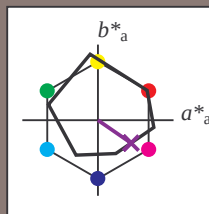
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

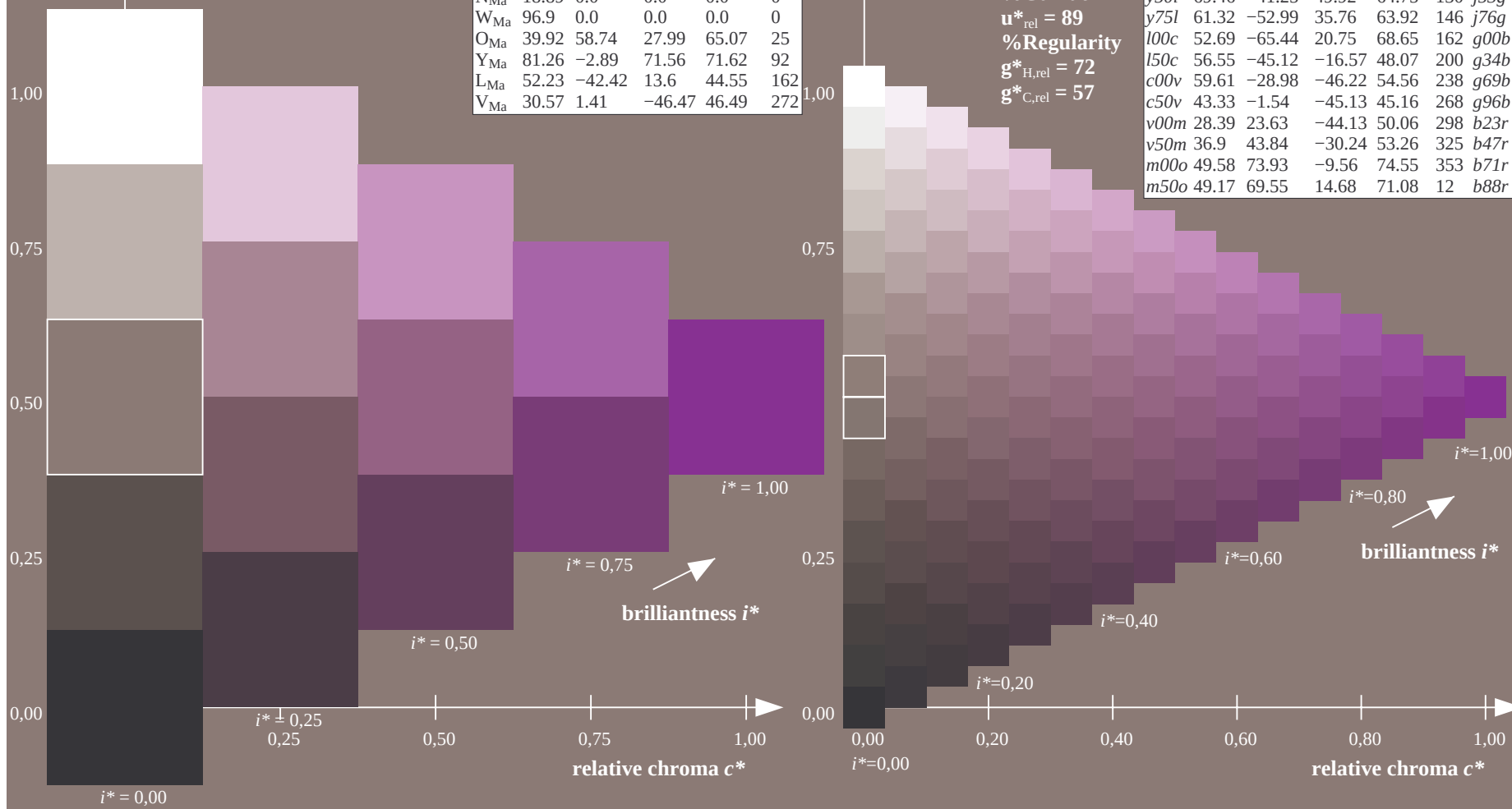
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v50m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

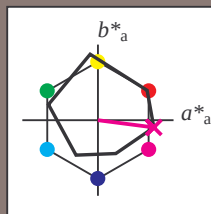
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

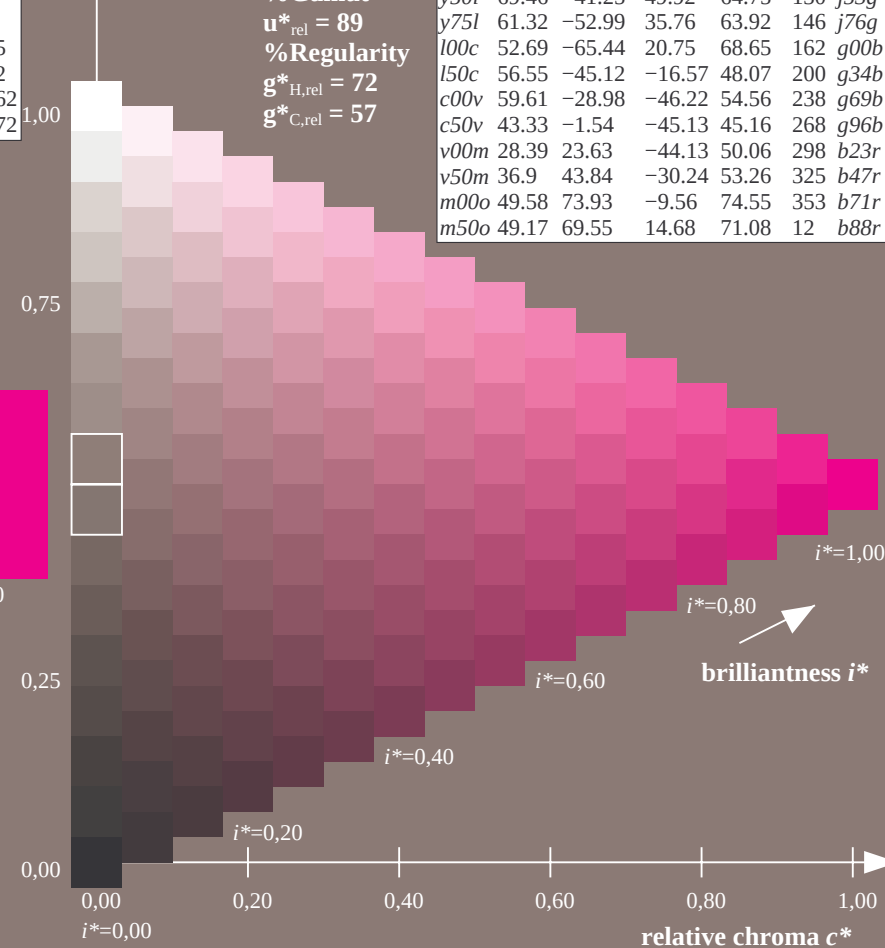
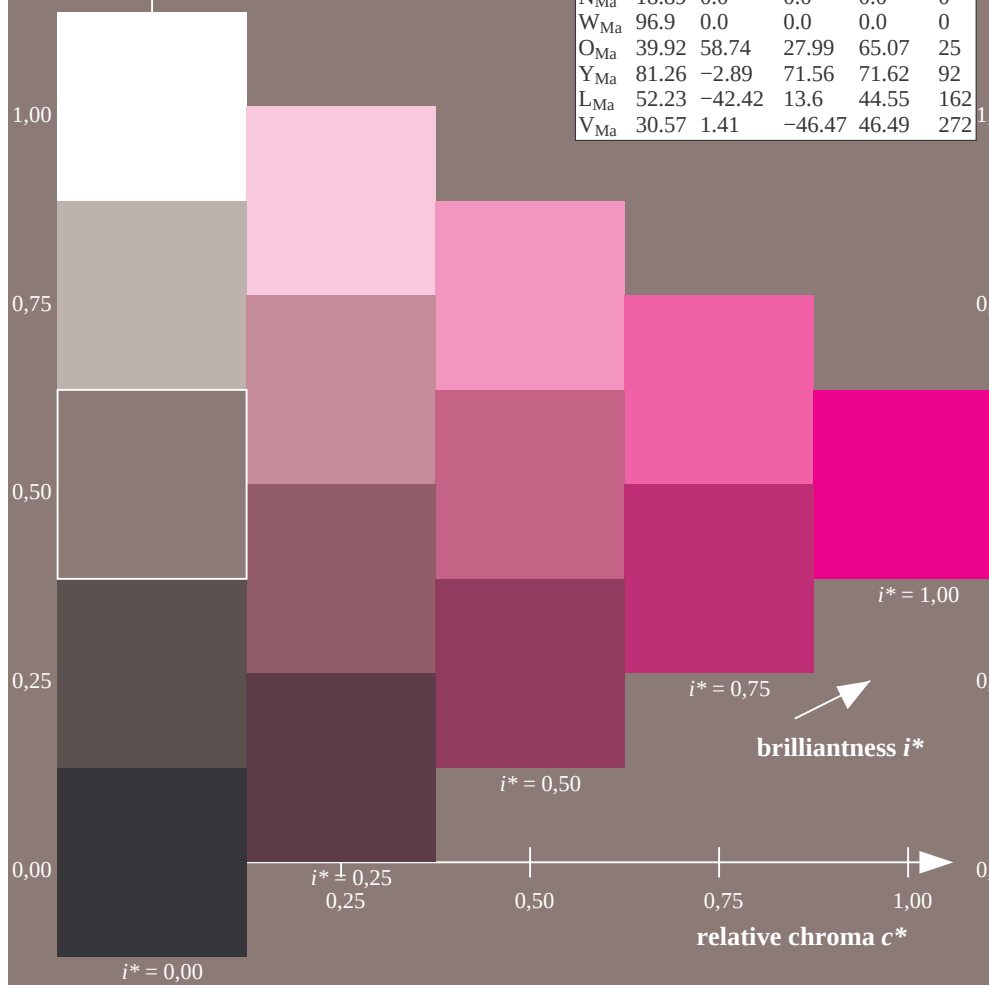
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

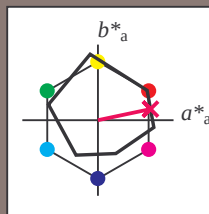
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

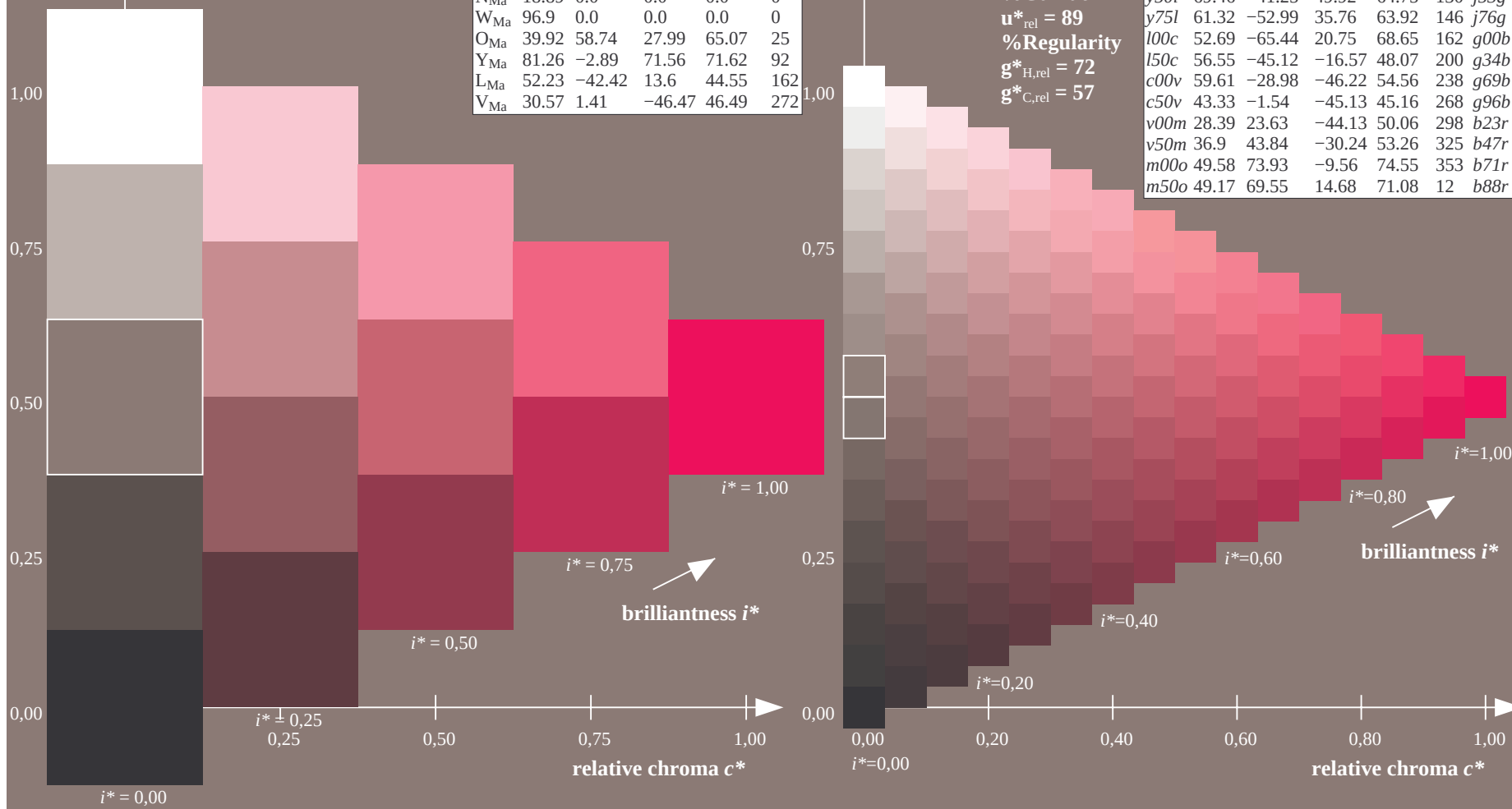
%Regularity

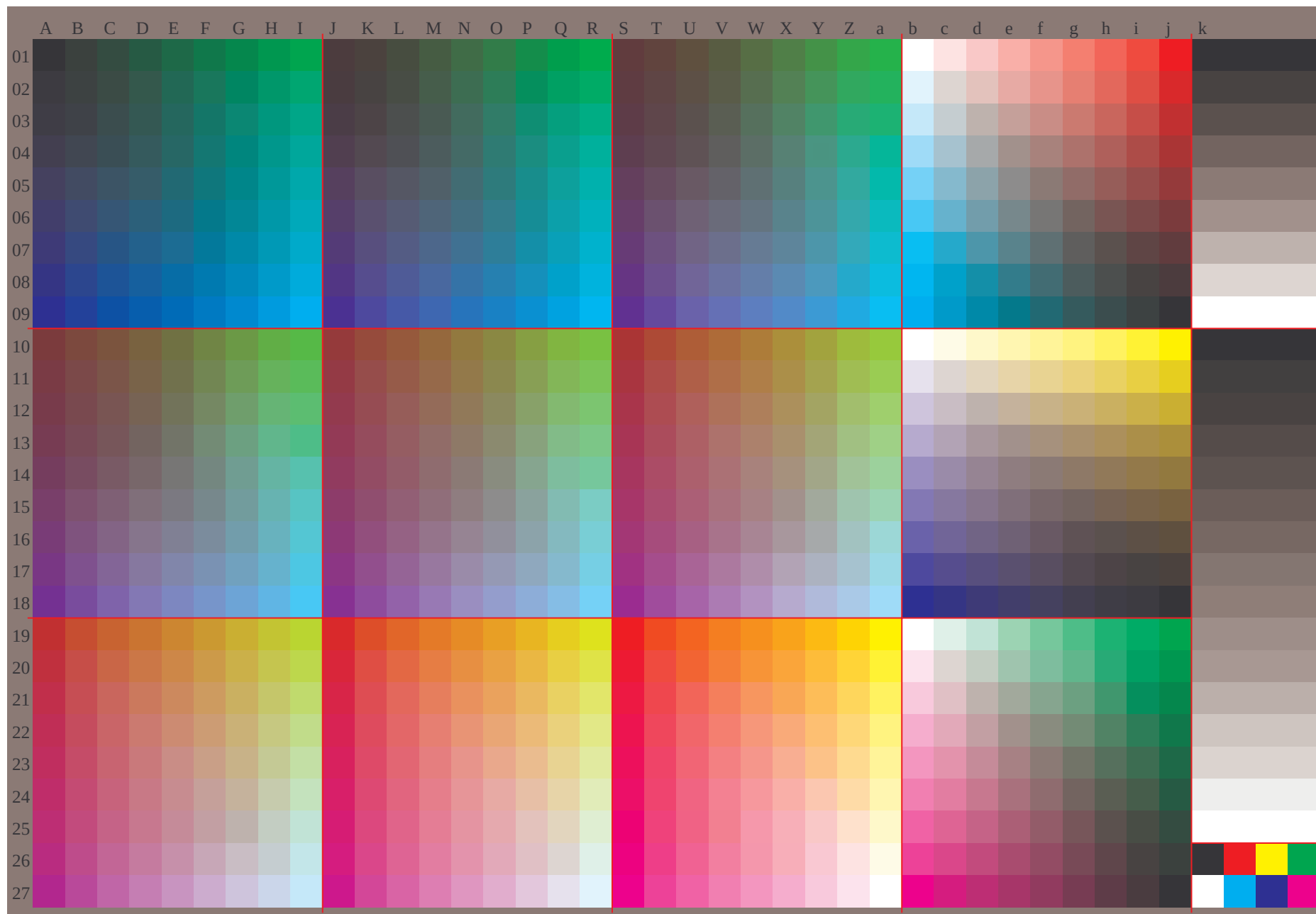
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

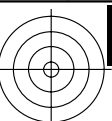
ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

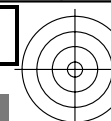
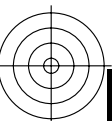




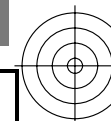
See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/10L/L44E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/; www.ps.bam.de/Ee44/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0



BAM registration: 20081001-Ee44/10L/L44E00FP.PS/ .PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems



Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u^*_d and number *no.* = 00 .. 15

device hue text:

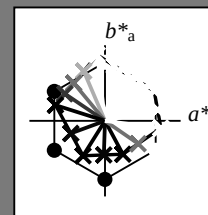
$u^*_d = 16$ hues *o00y*, *o25y*, ..., *m50o*

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>



%Gamut

$u^*_{rel} = 89$

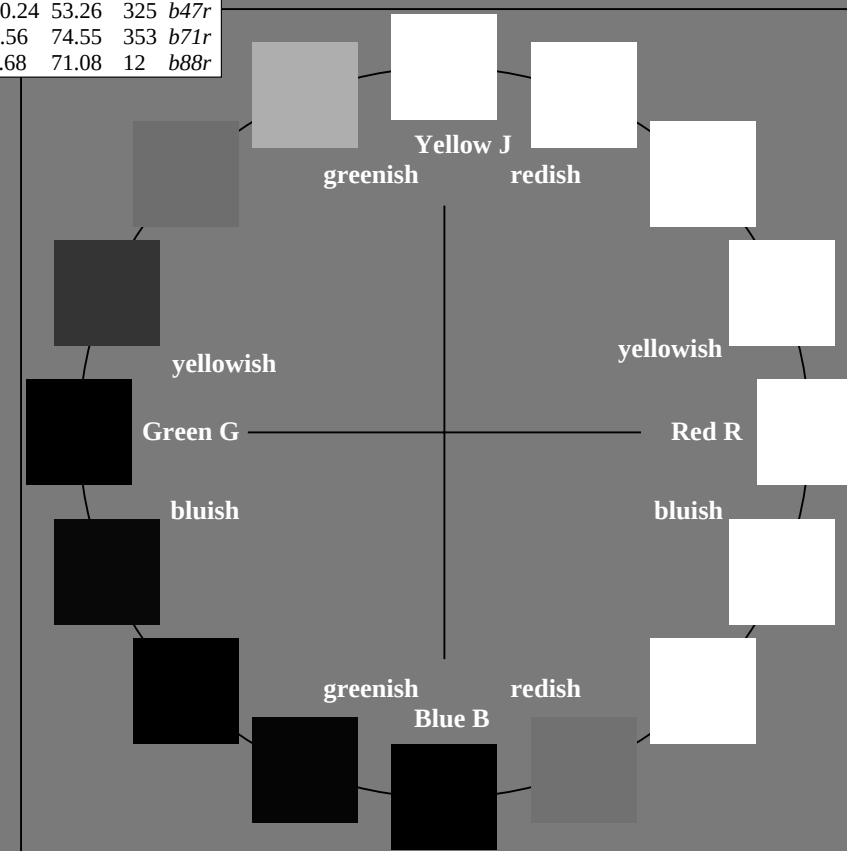
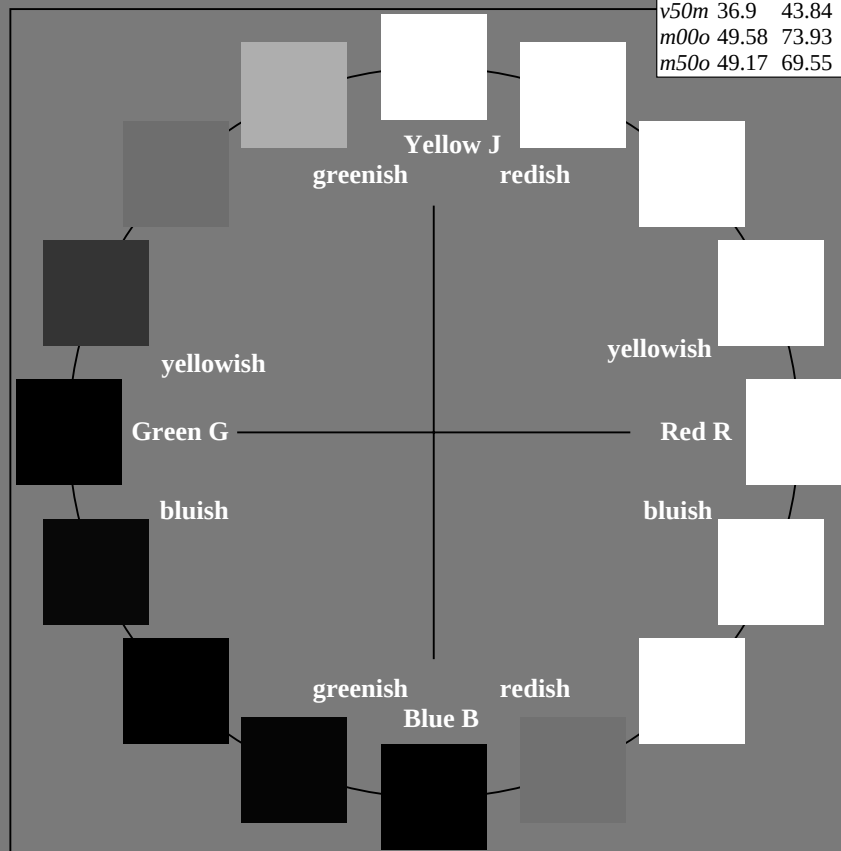
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	25
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

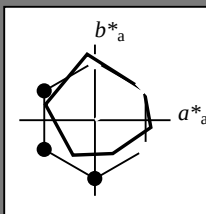
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

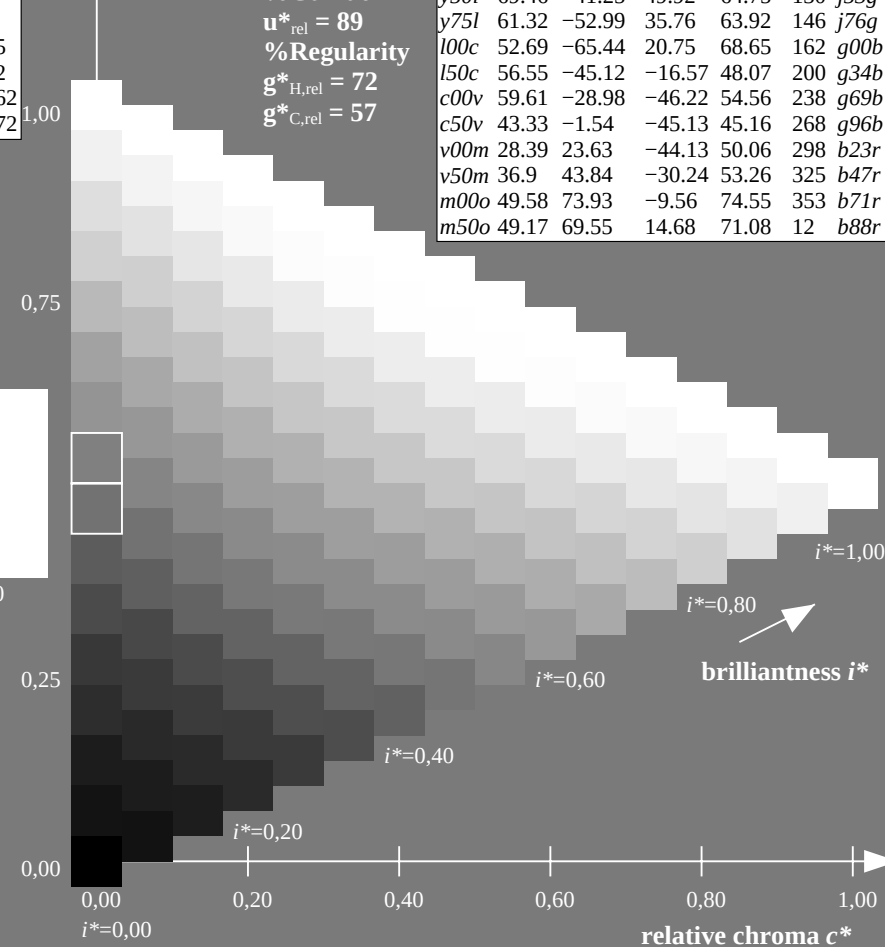
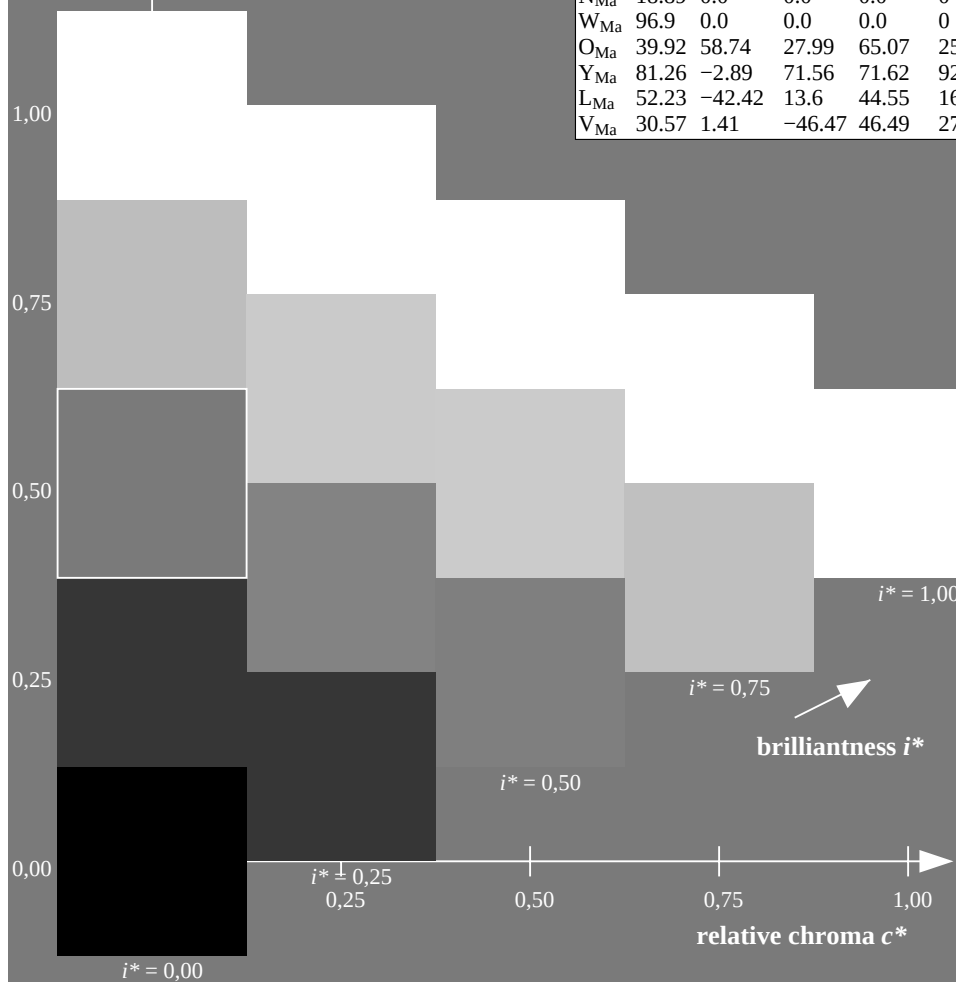
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

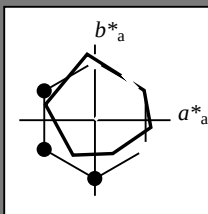
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

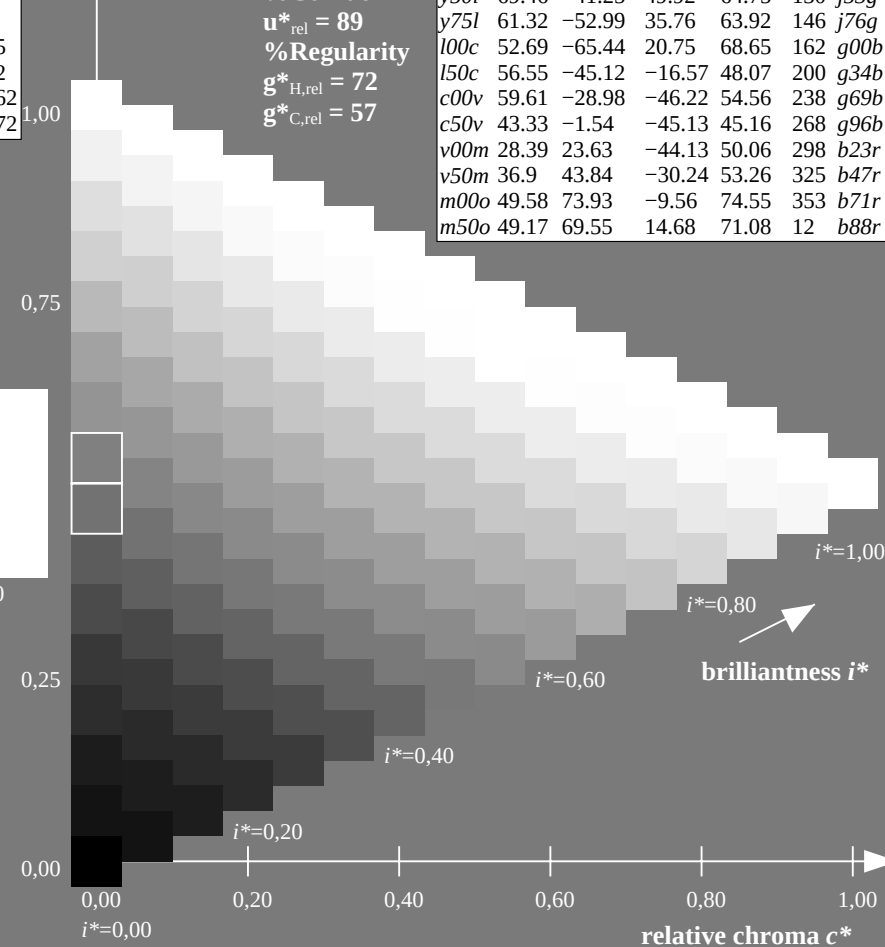
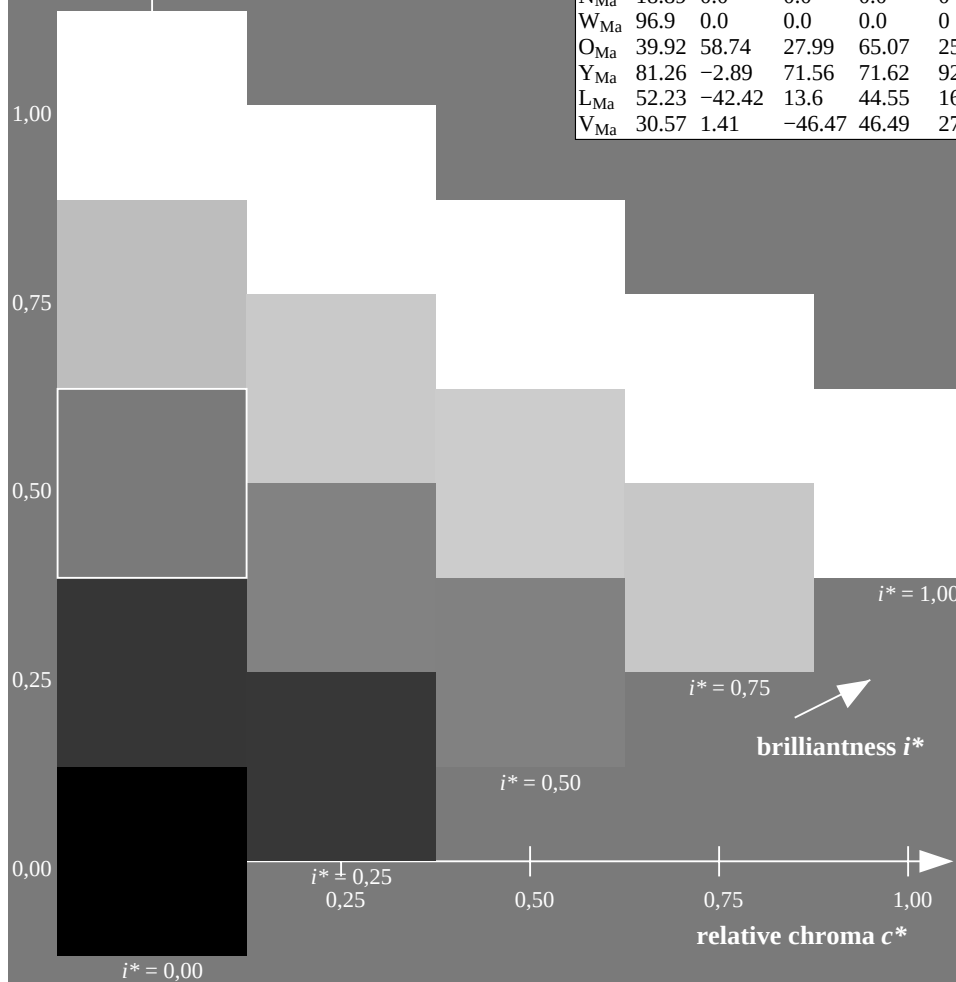
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

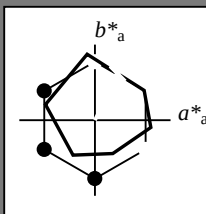
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

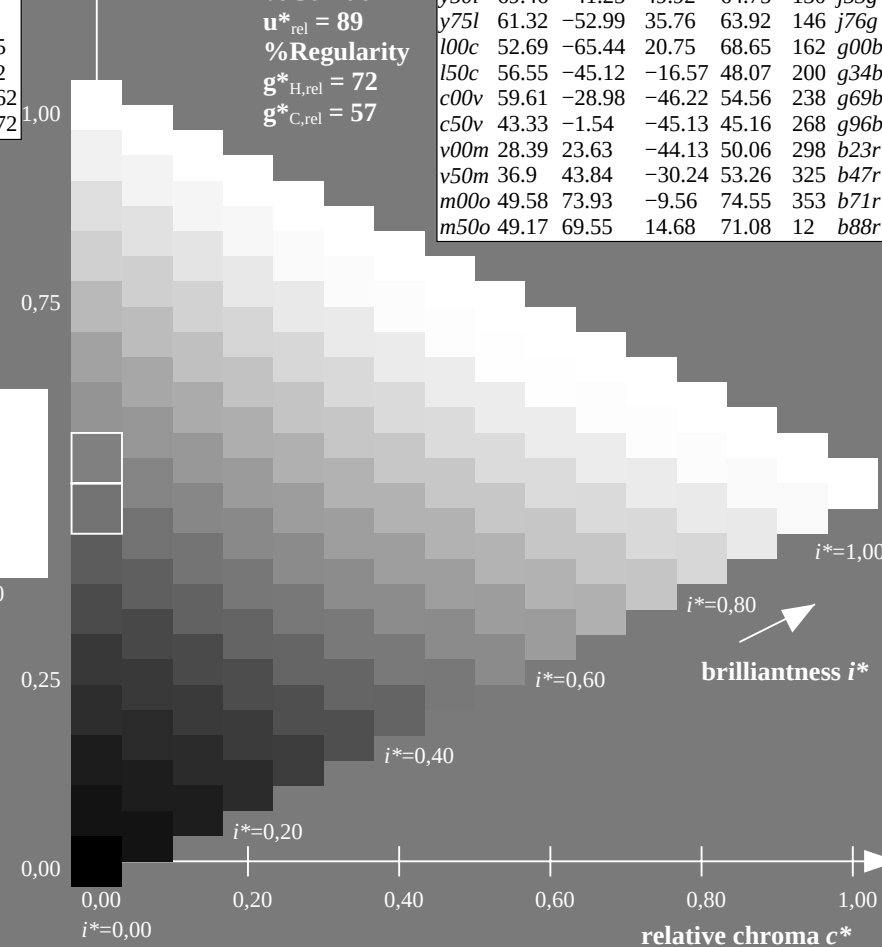
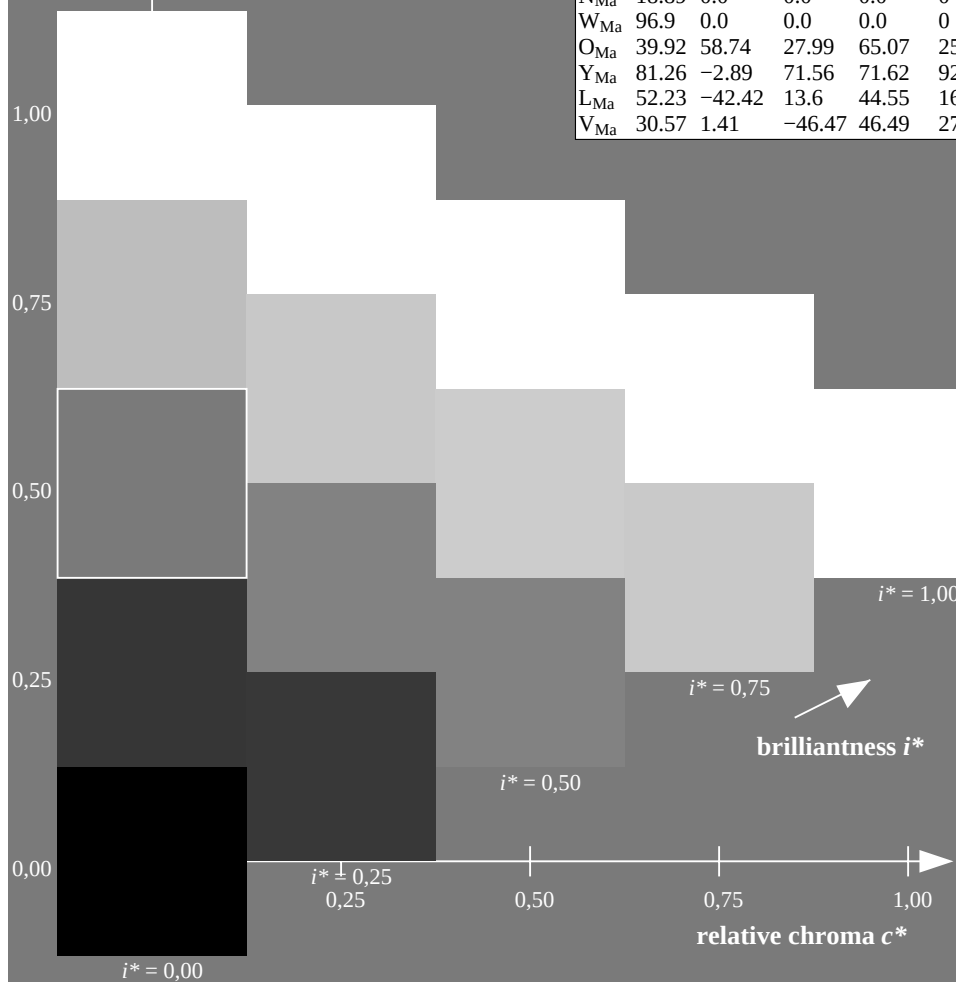
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

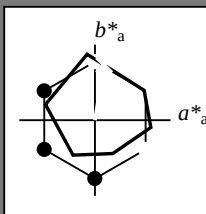
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

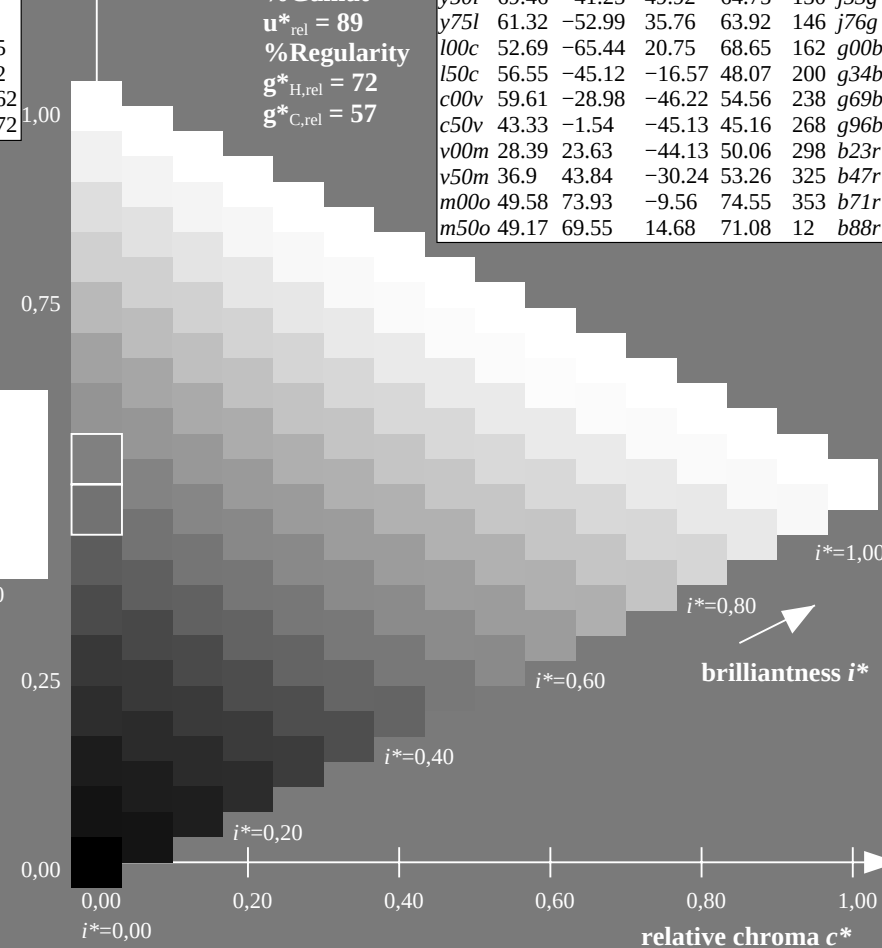
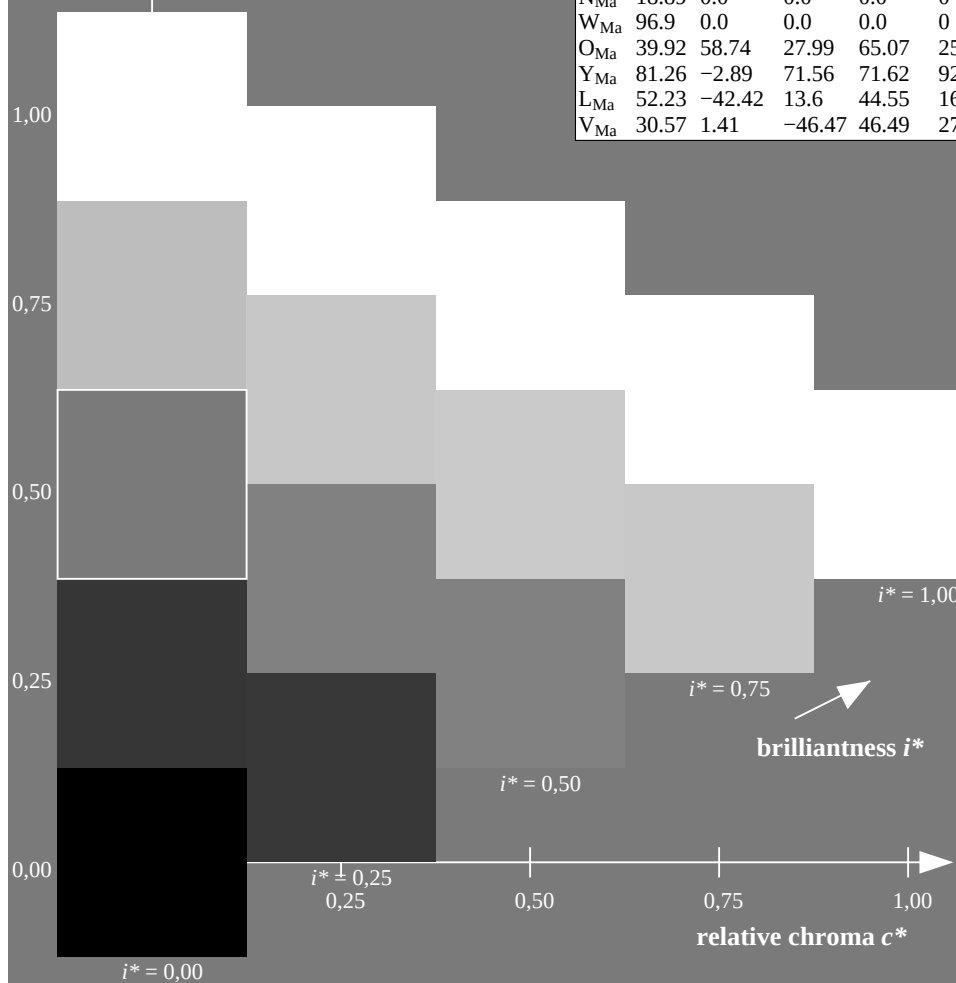
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

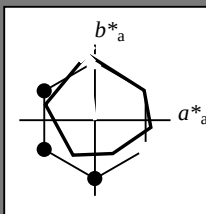
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

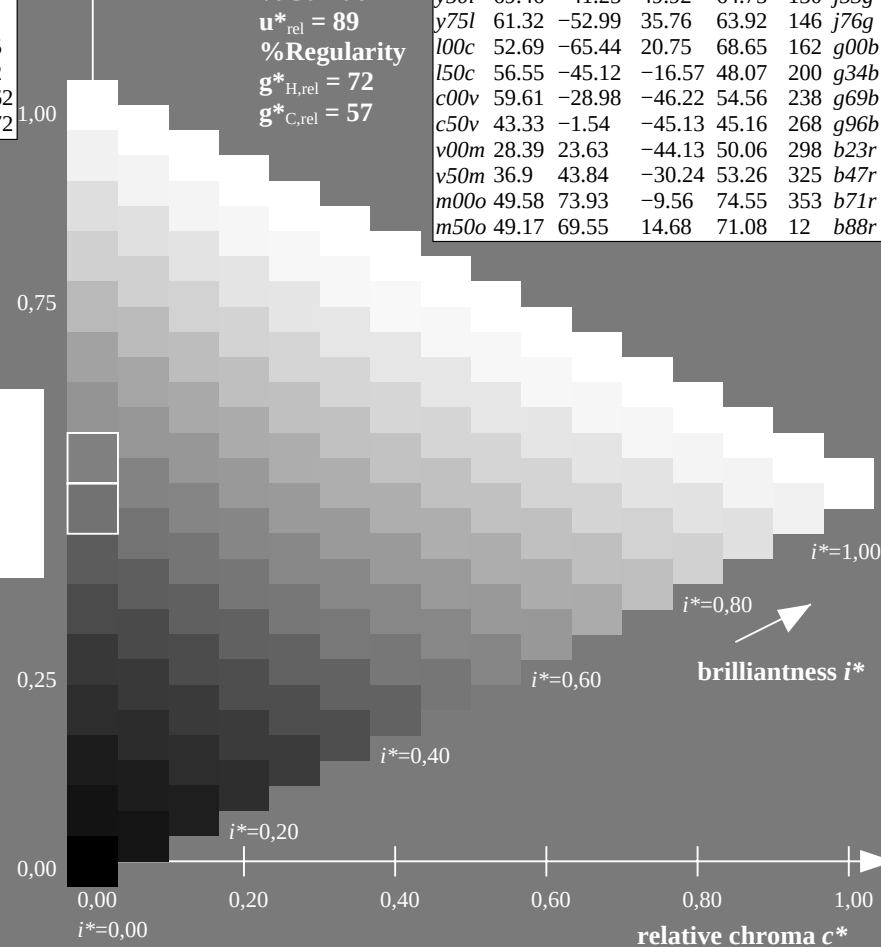
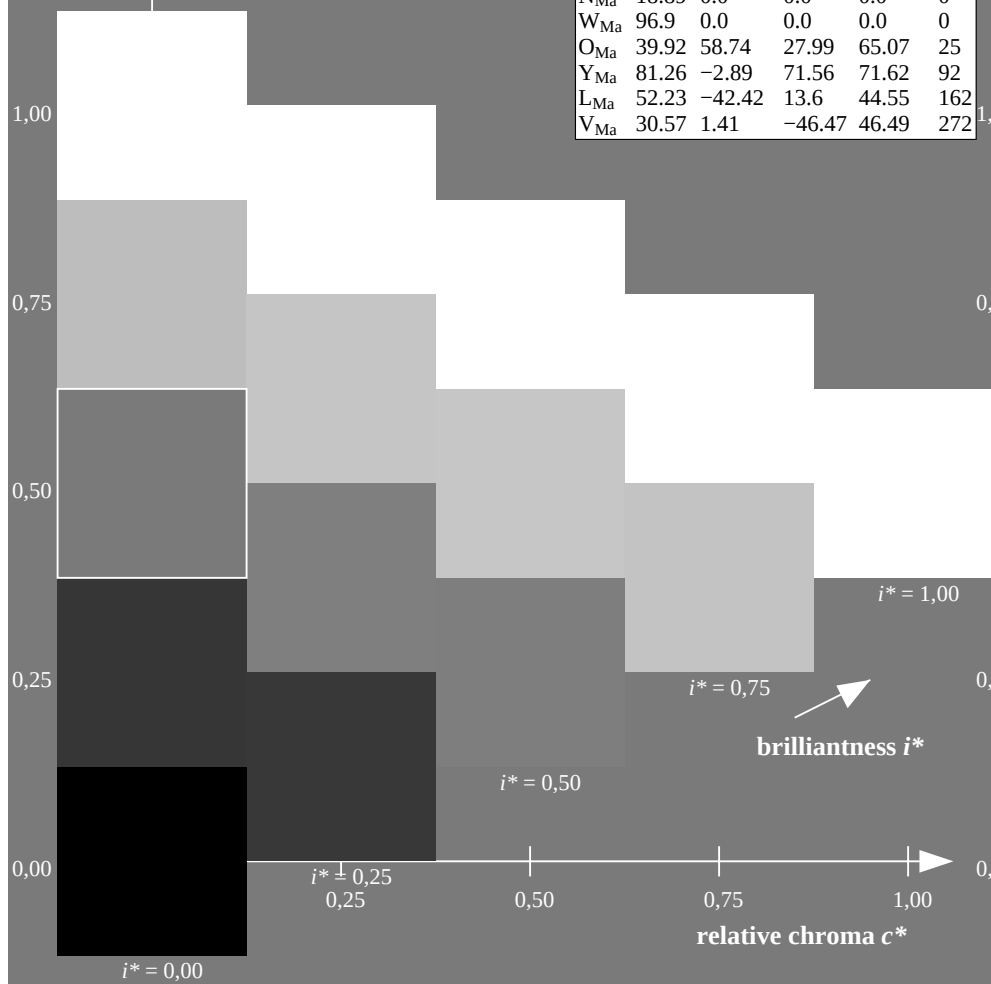
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

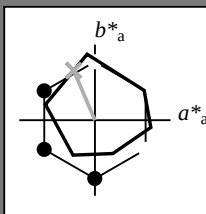
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 79 -28 66

$LAB^*LCH^*_{Ma}$: 79 72 113

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

$lab^*rgb^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

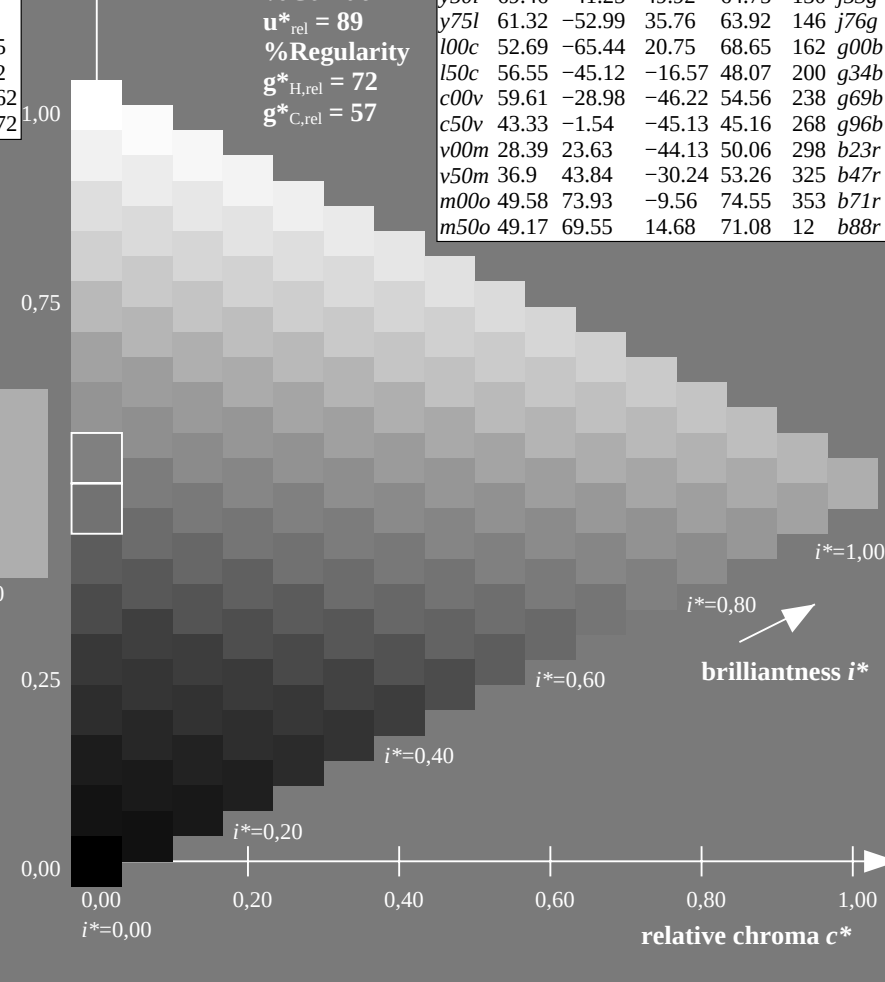
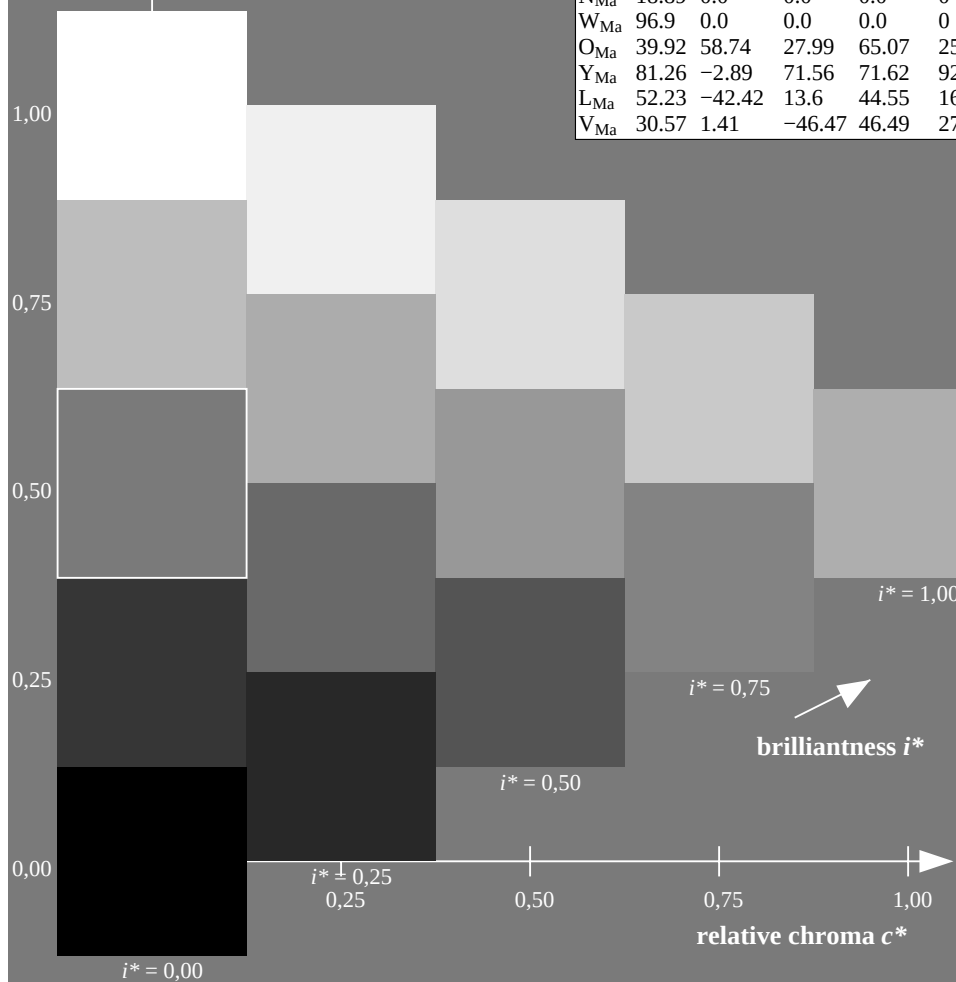
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

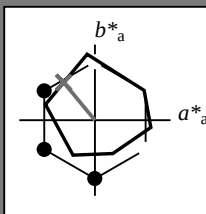
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

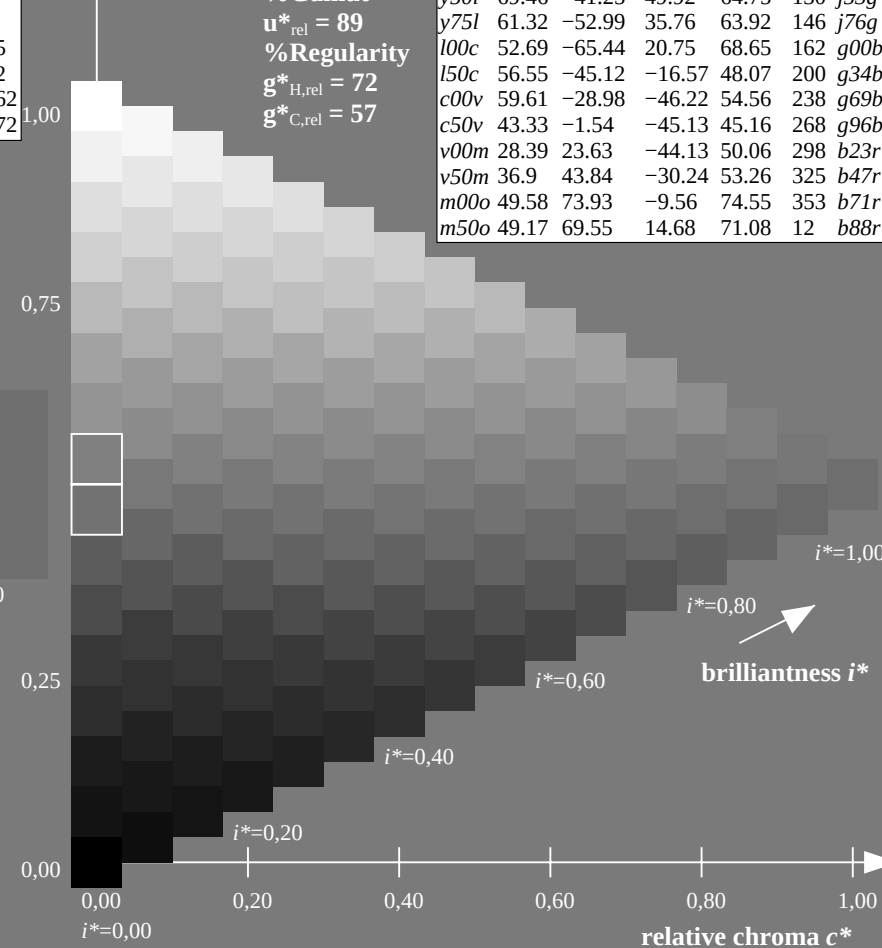
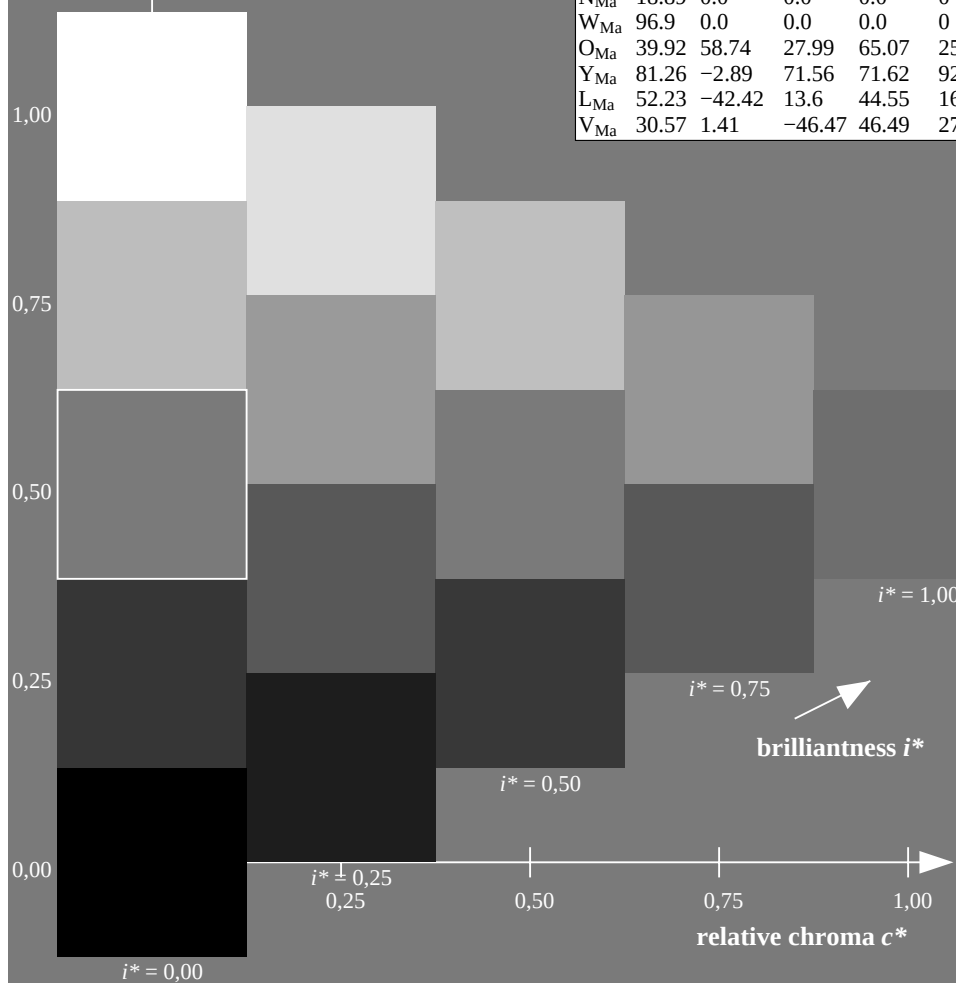
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

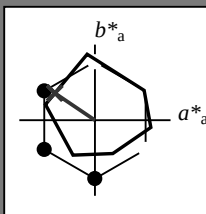
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

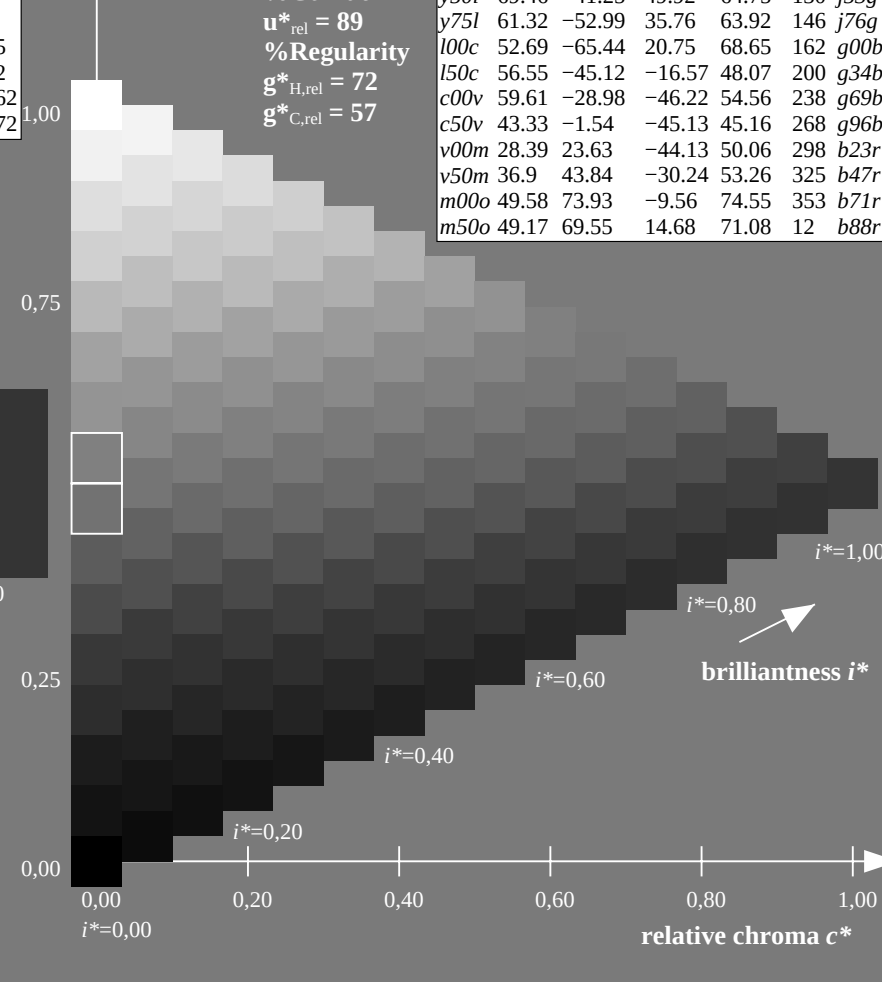
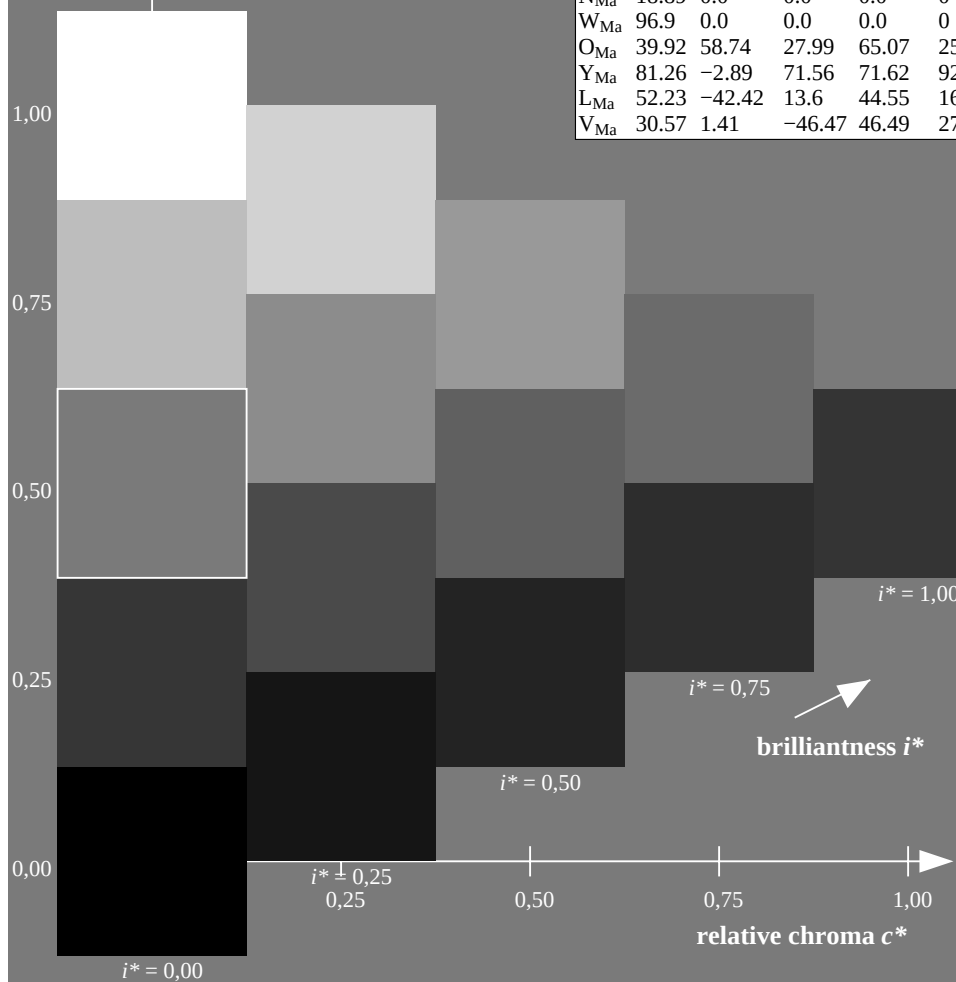
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

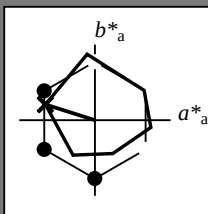
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

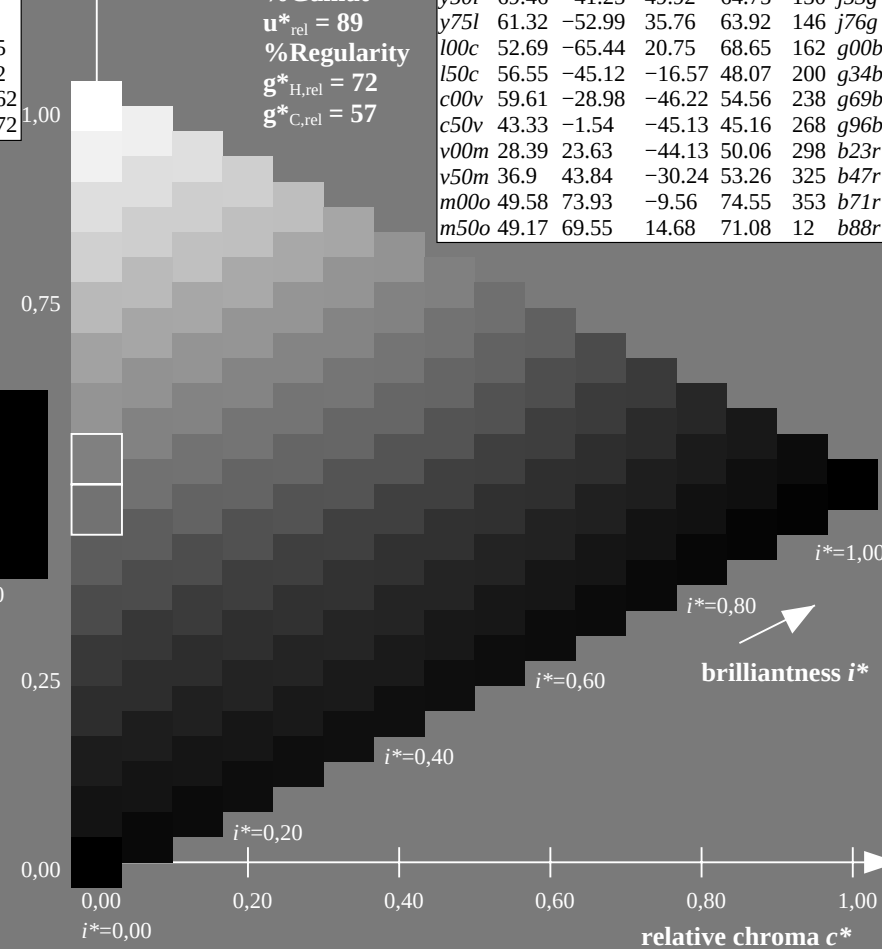
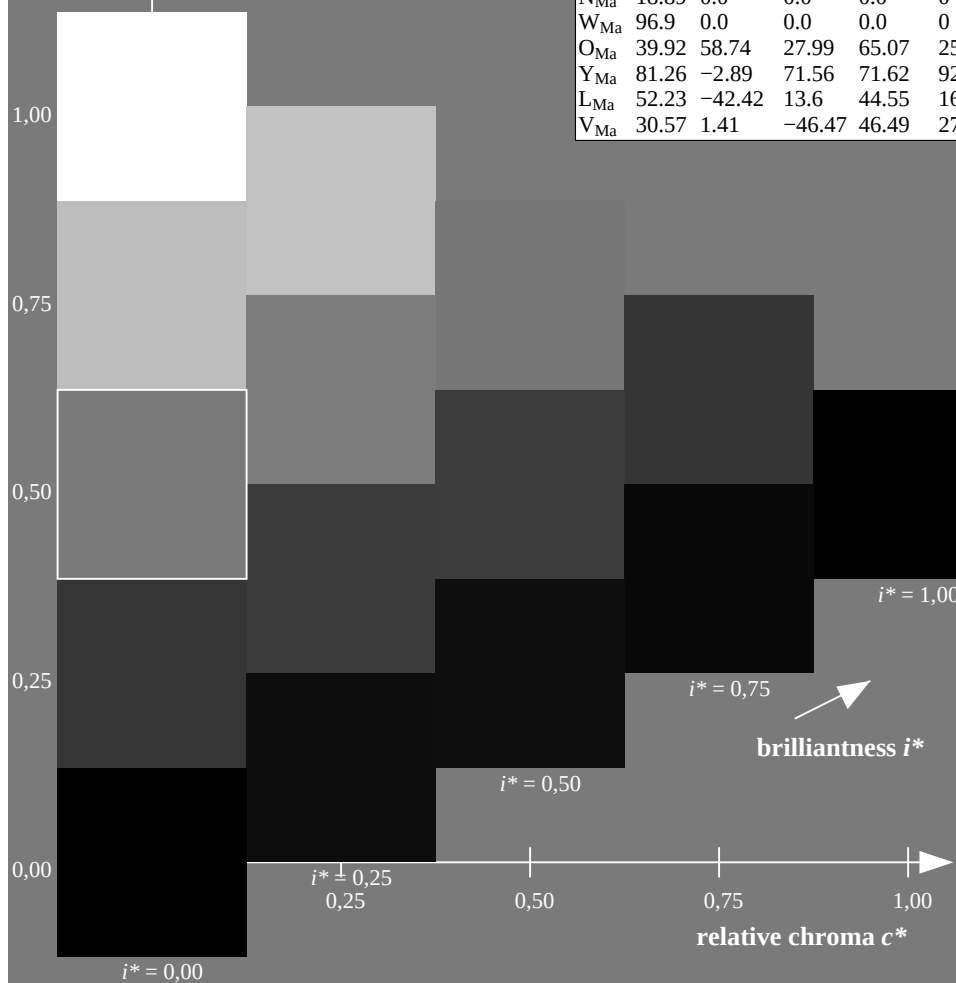
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

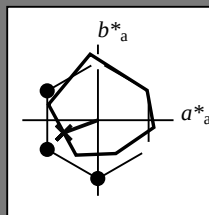
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

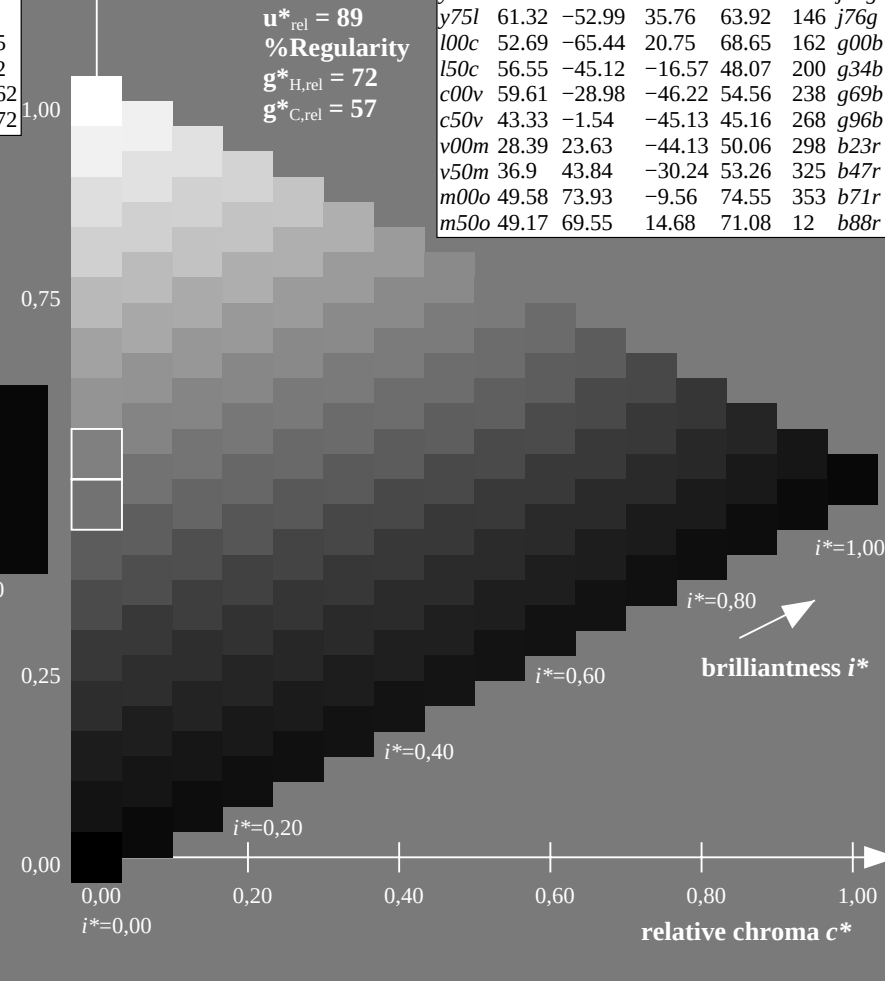
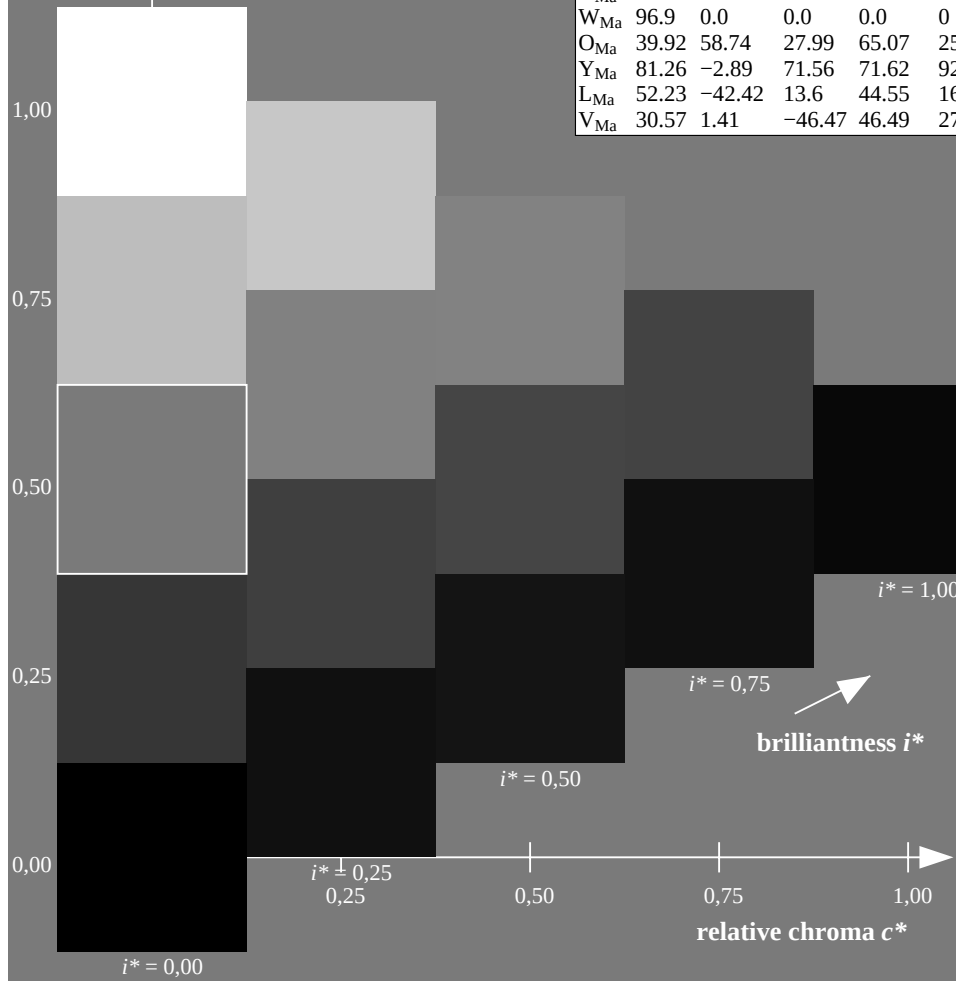
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

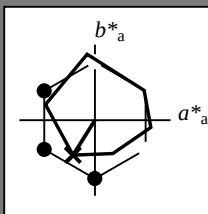
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	48.75	65.07	39.43	76.08	31
YMa	90.92	-10.29	87.24	87.85	97
LMa	52.69	-65.44	20.75	68.65	162
CMa	59.61	-28.98	-46.22	54.56	238
VMa	28.39	23.63	-44.13	50.06	298
MMa	49.58	73.93	-9.56	74.55	353
NMa	18.89	0.0	0.0	0.0	0
WMa	96.9	0.0	0.0	0.0	0
OMa	39.92	58.74	27.99	65.07	25
YMa	81.26	-2.89	71.56	71.62	92
LMa	52.23	-42.42	13.6	44.55	162
VMa	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

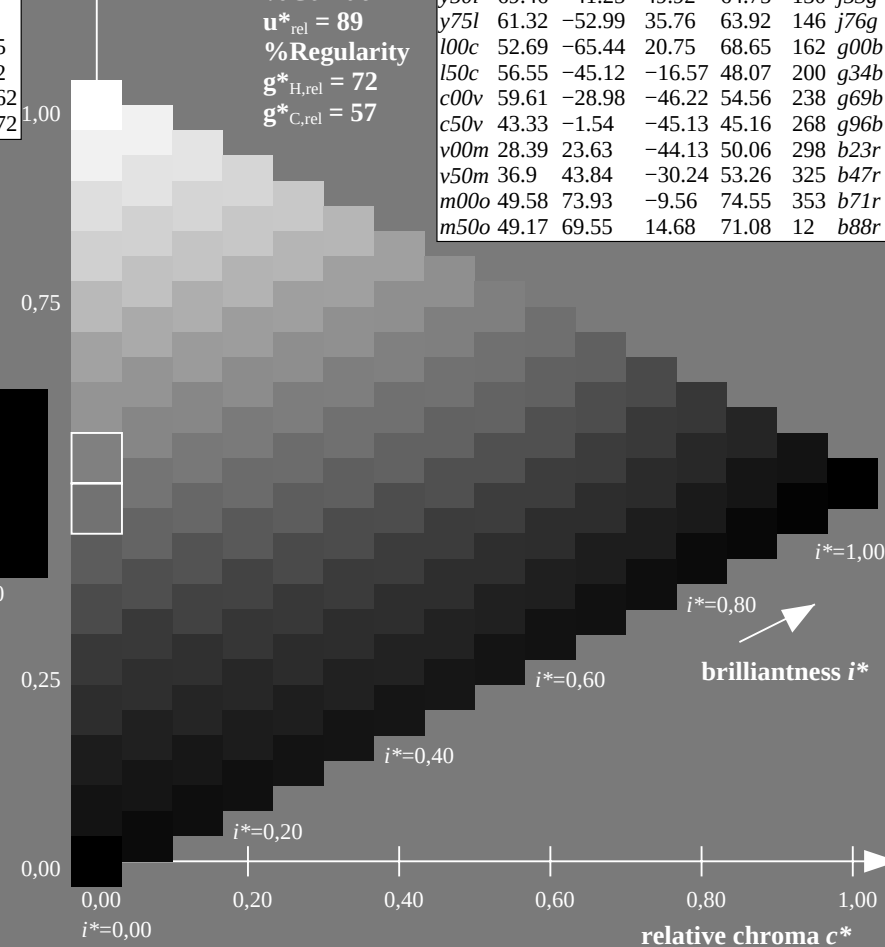
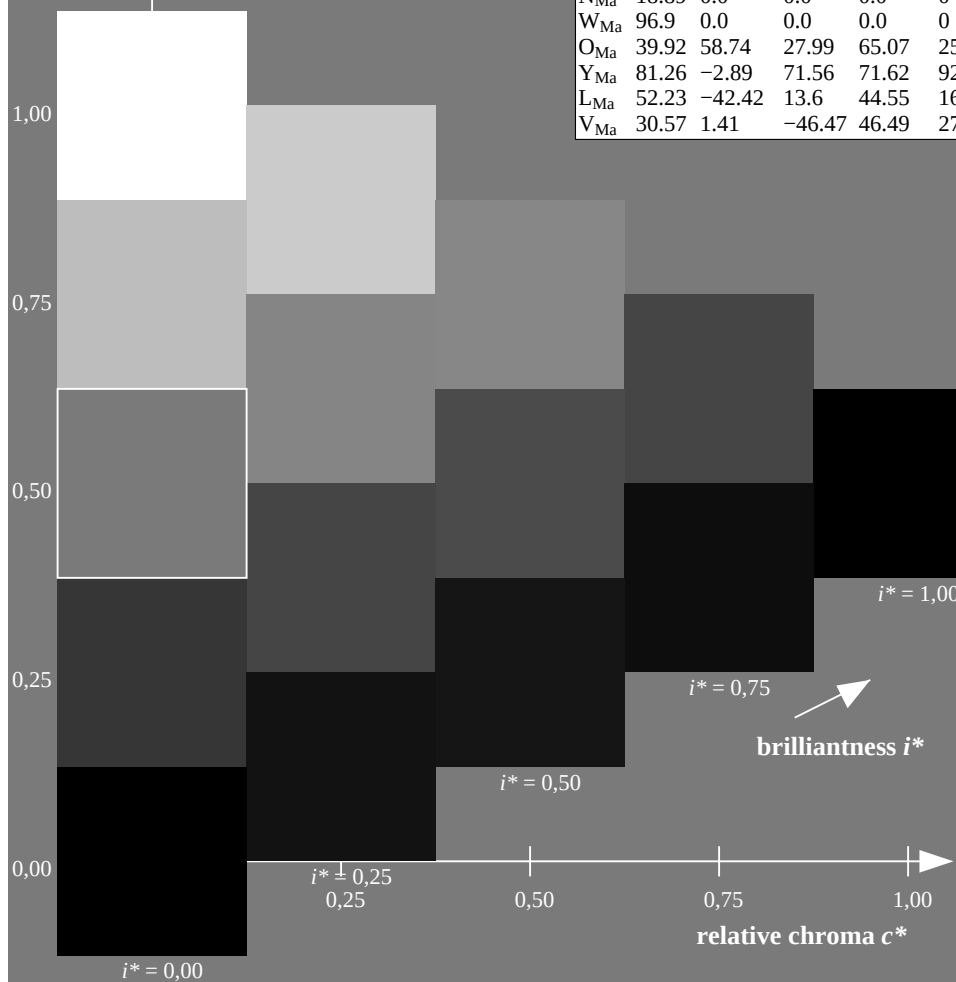
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

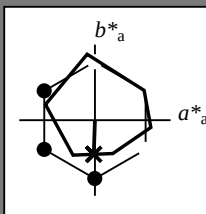
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

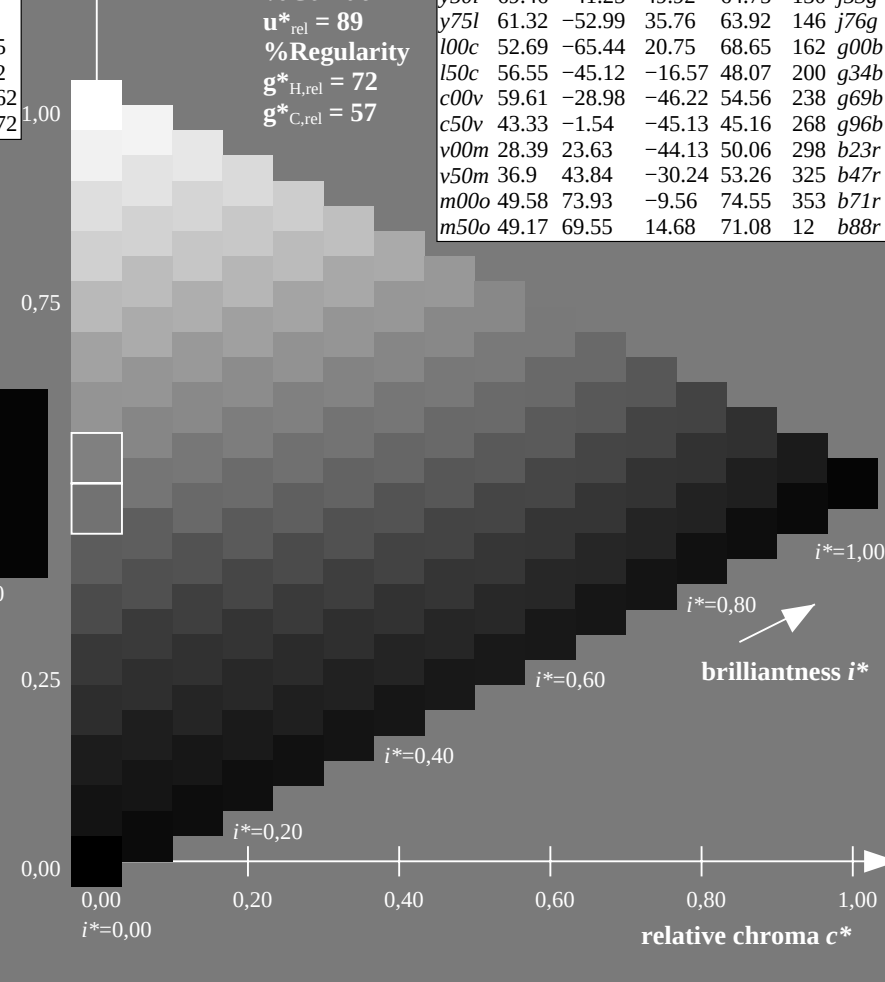
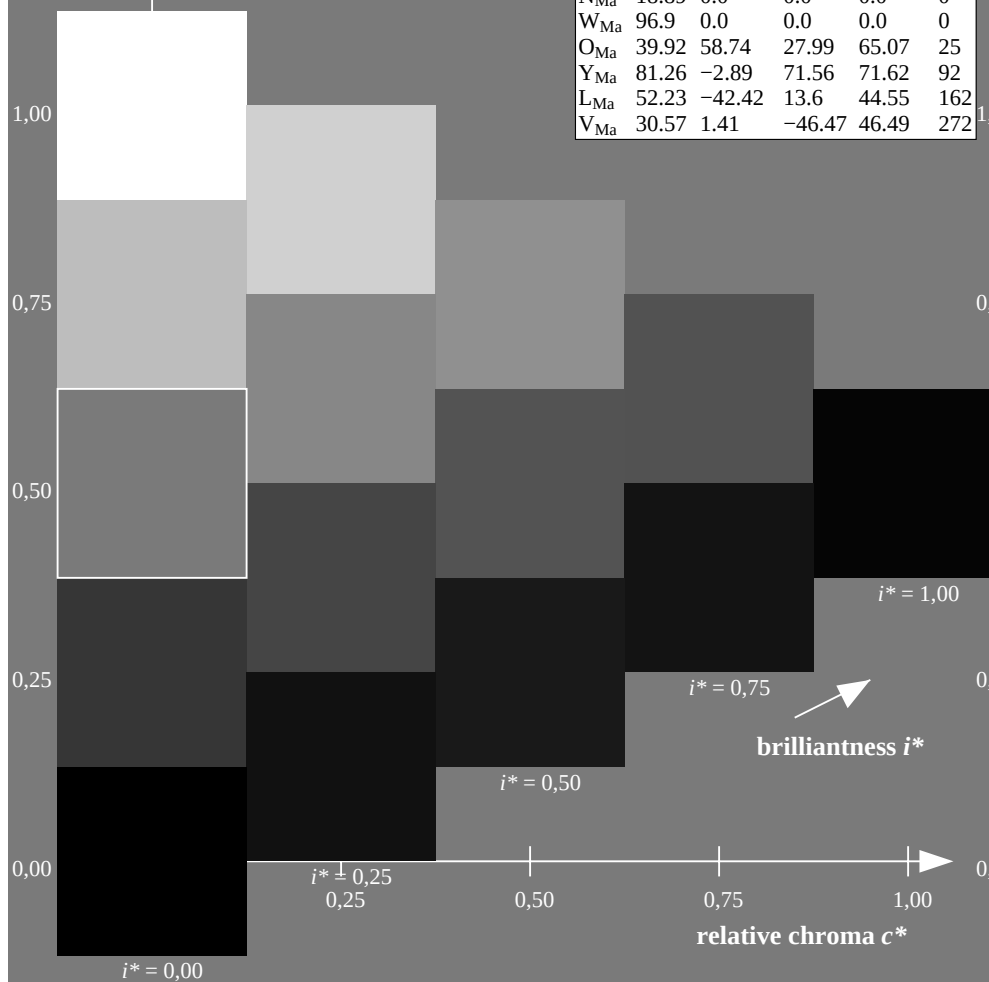
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

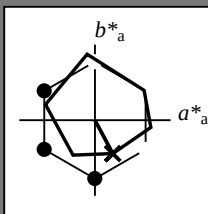
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

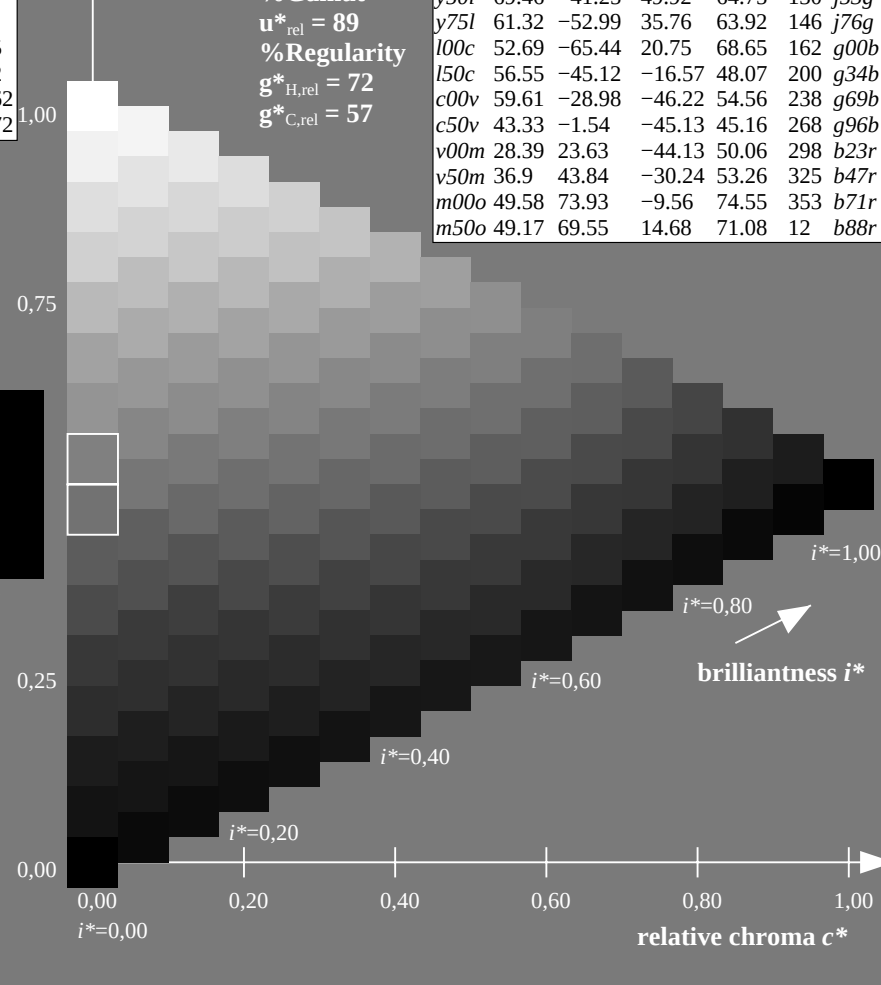
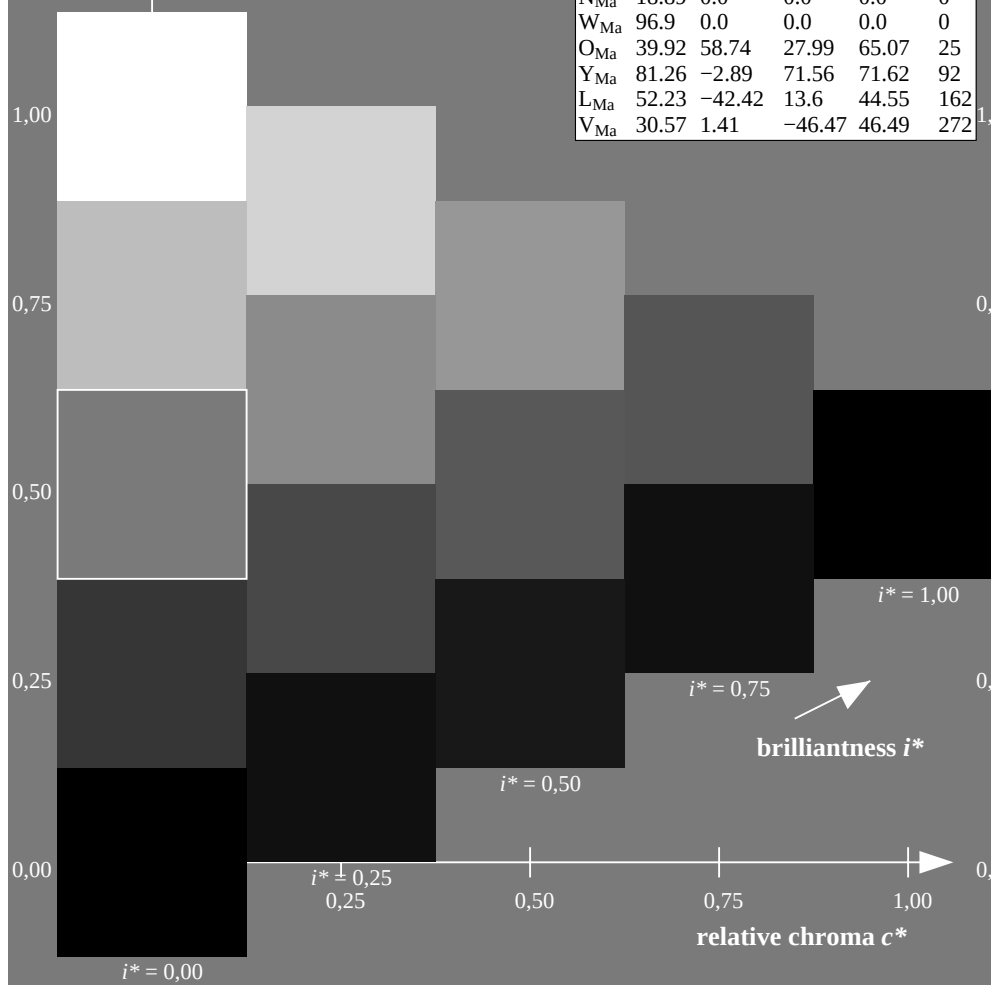
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

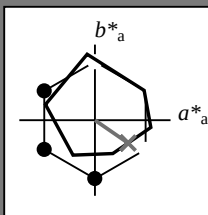
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

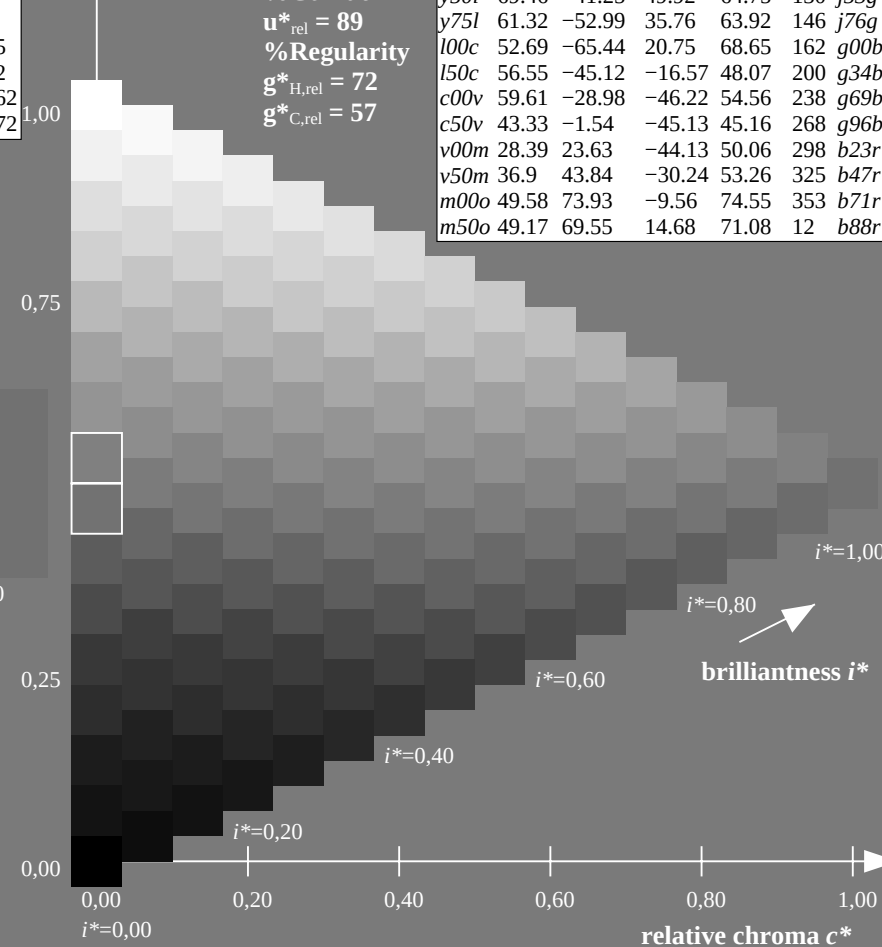
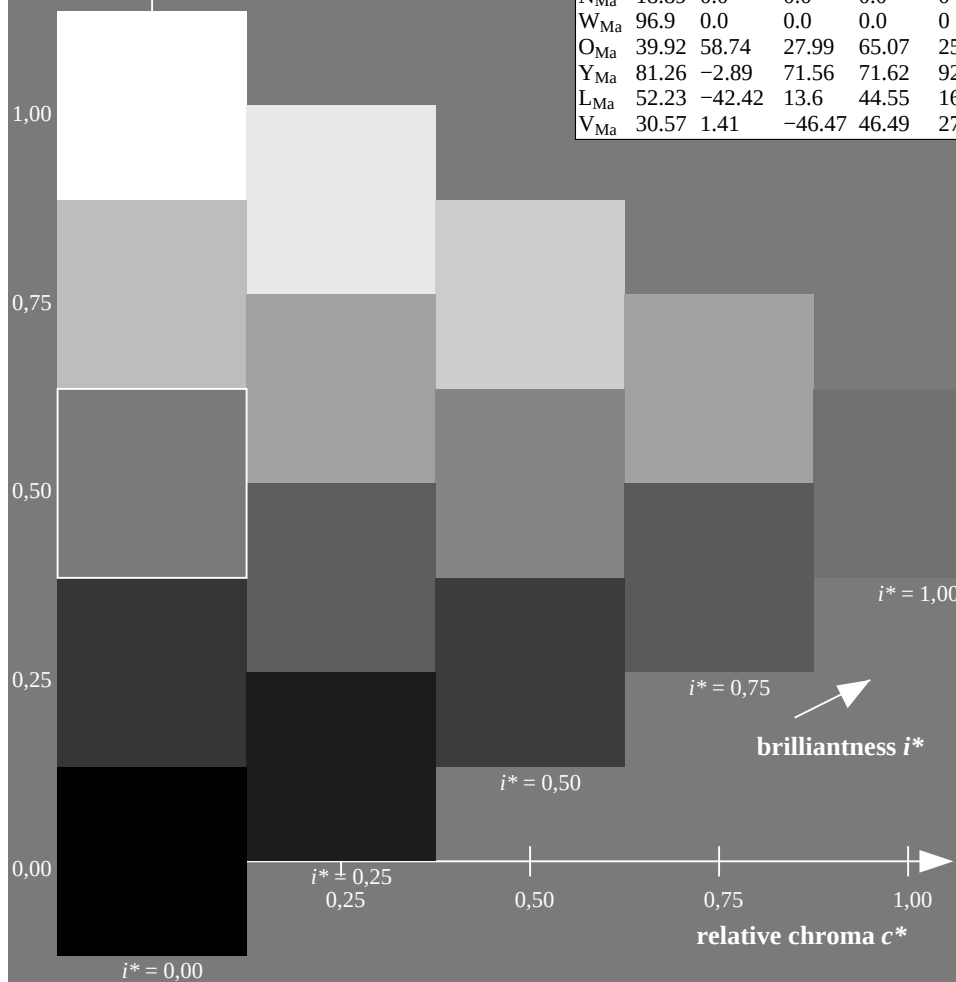
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v50m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

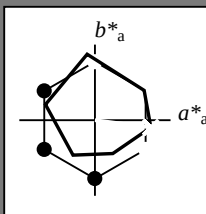
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

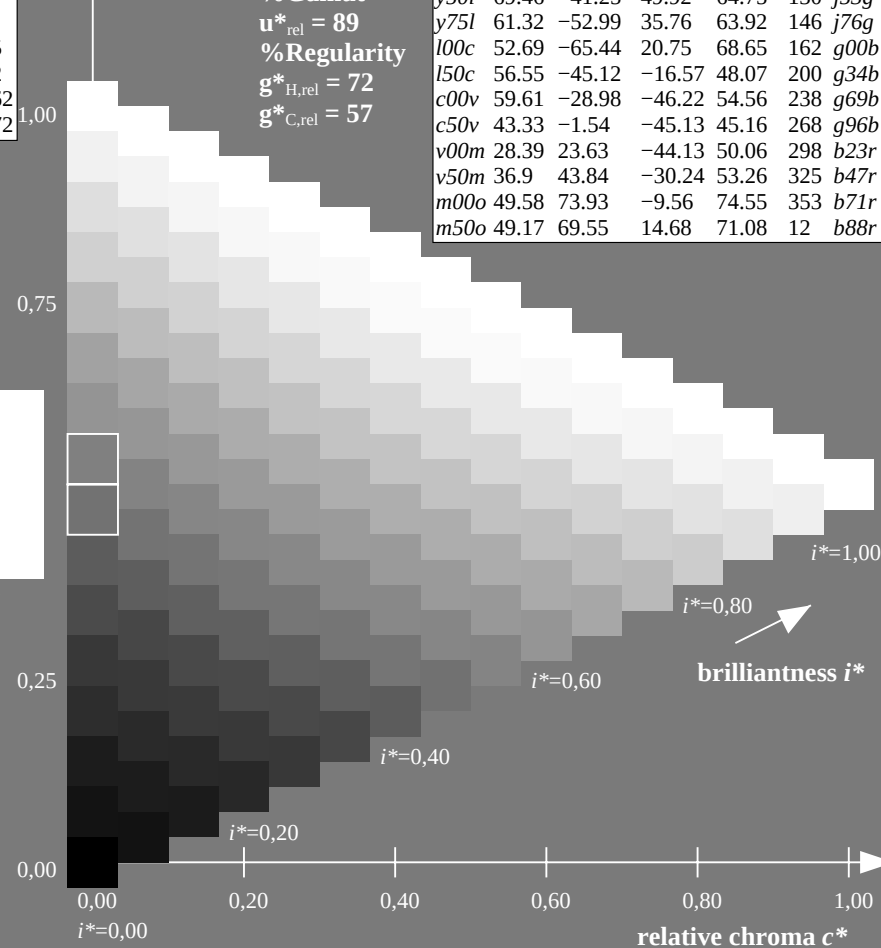
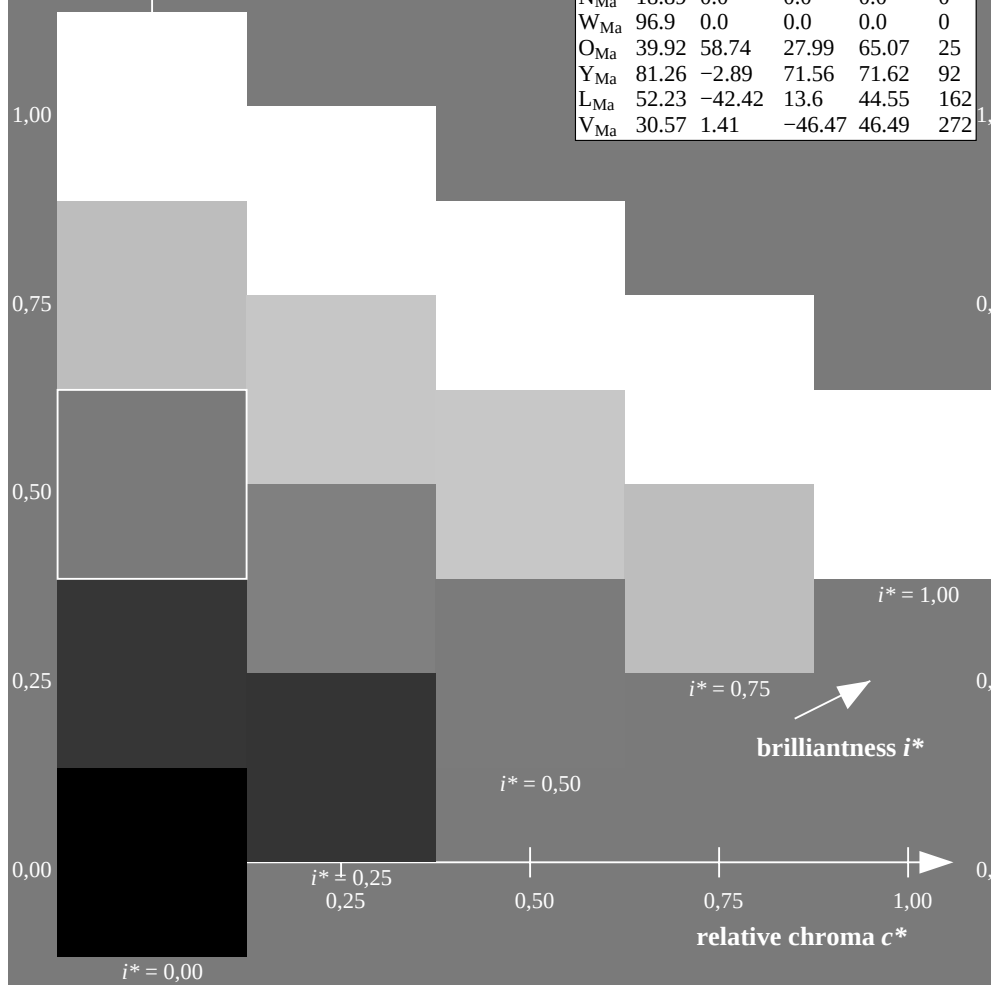
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

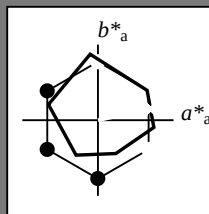
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

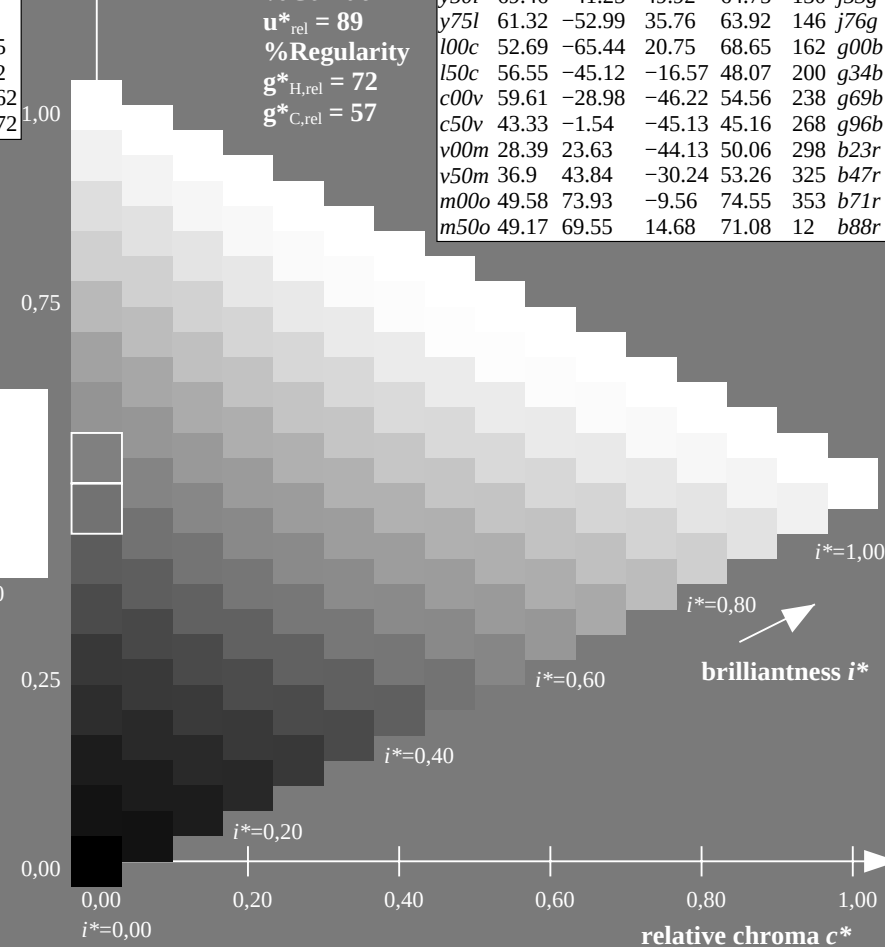
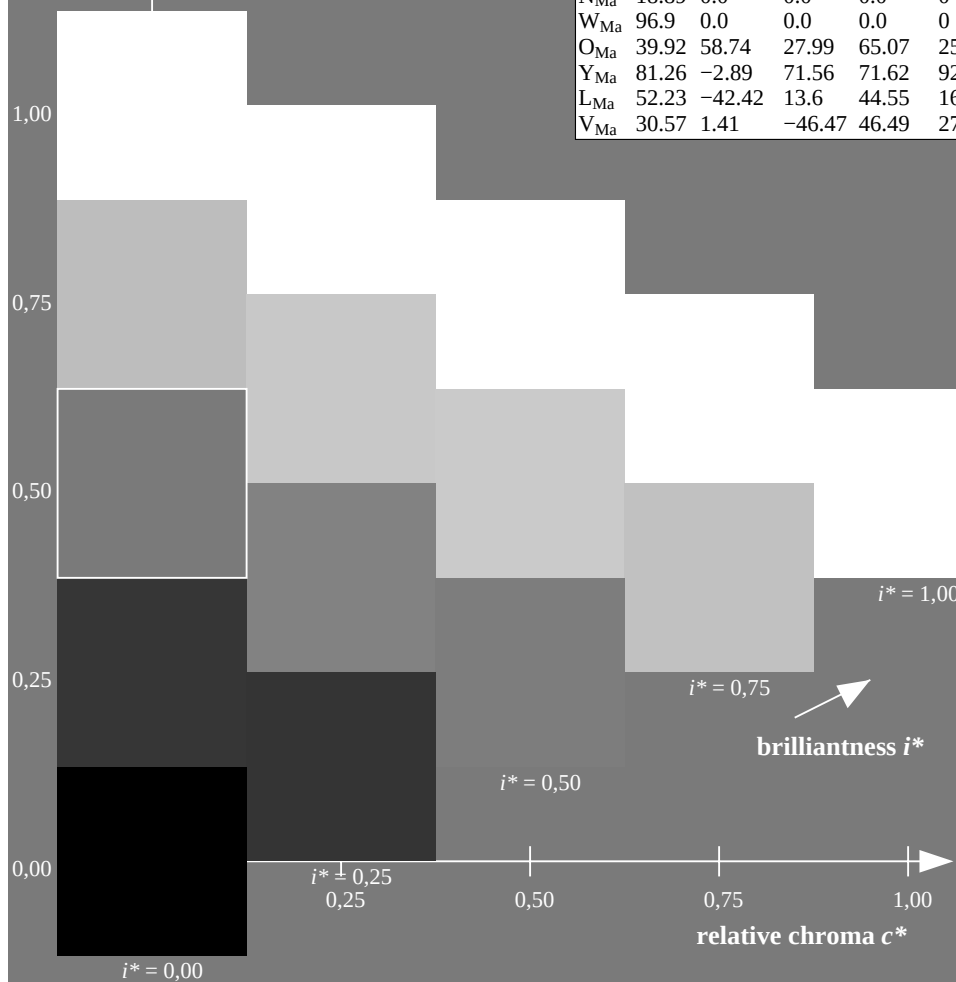
$g^*_{H,rel} = 72$

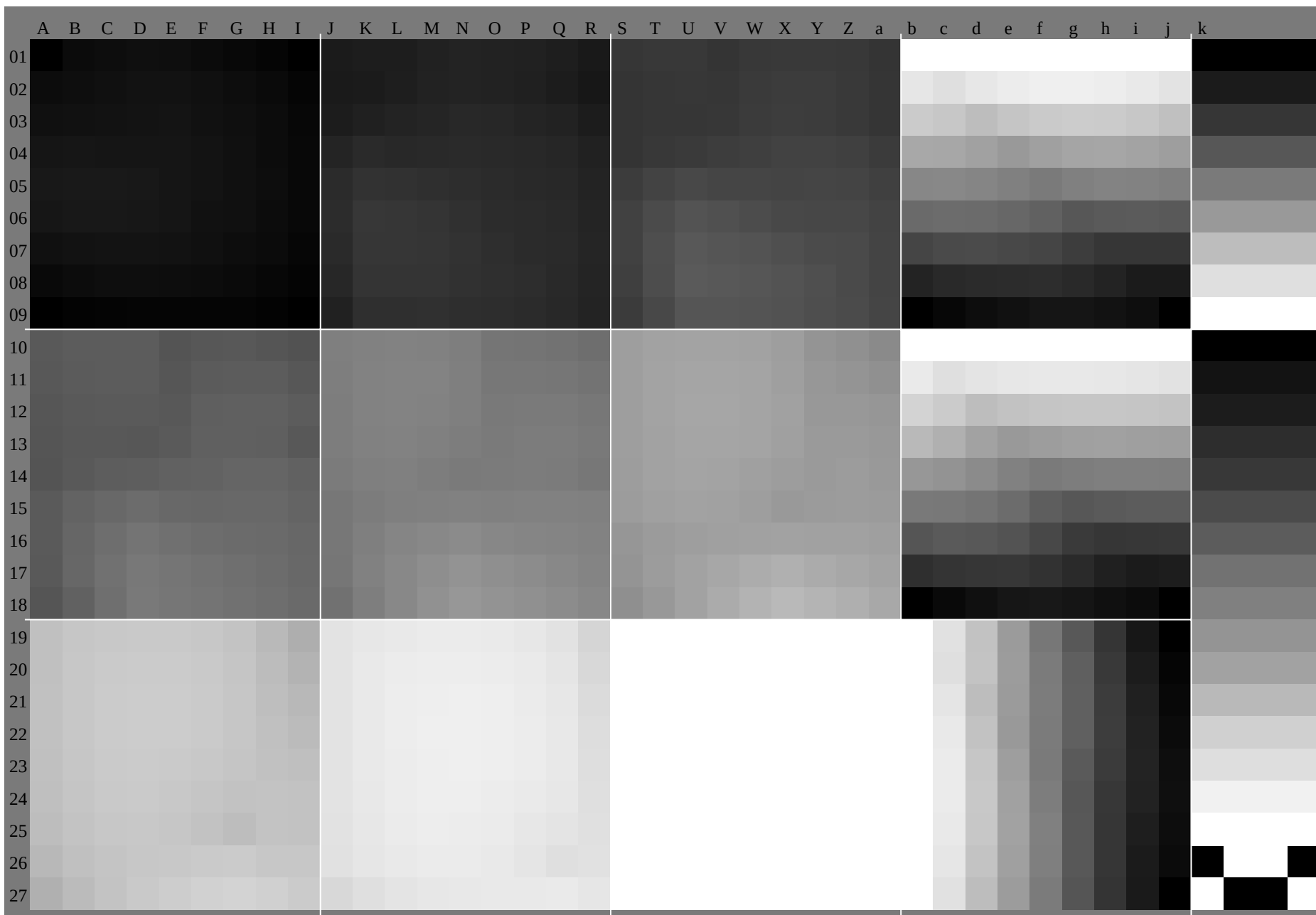
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$





Input and output:

Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u^*_d and number *no.* = 00 .. 15

device hue text:

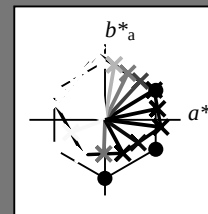
$u^*_d = 16$ hues *o00y*, *o25y*, ..., *m50o*

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>



%Gamut

$u^*_{rel} = 89$

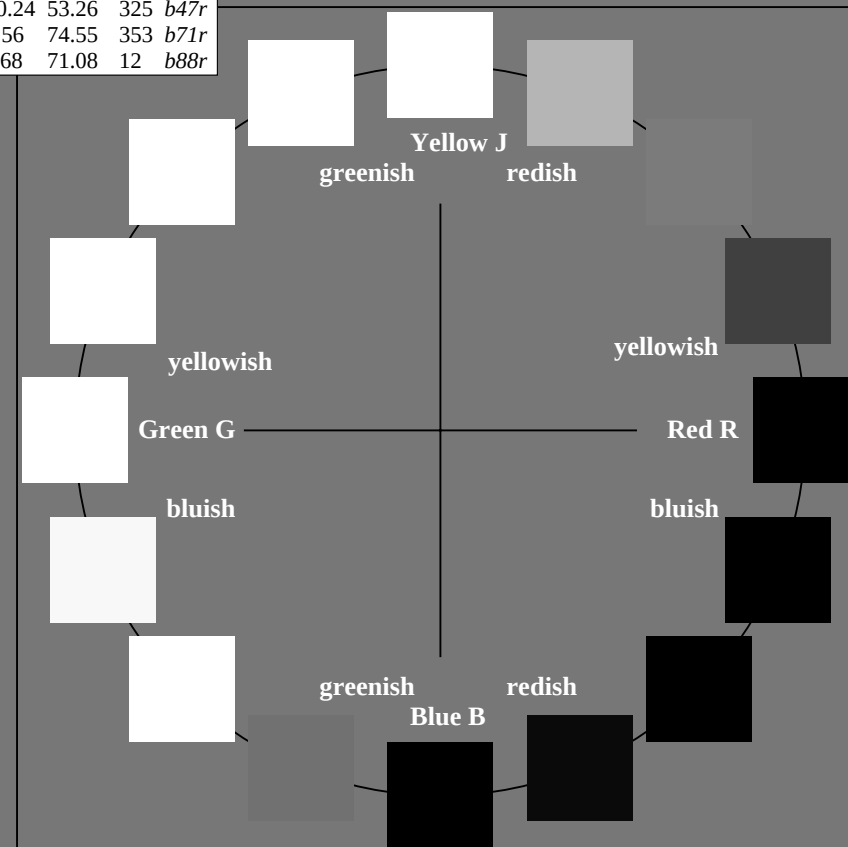
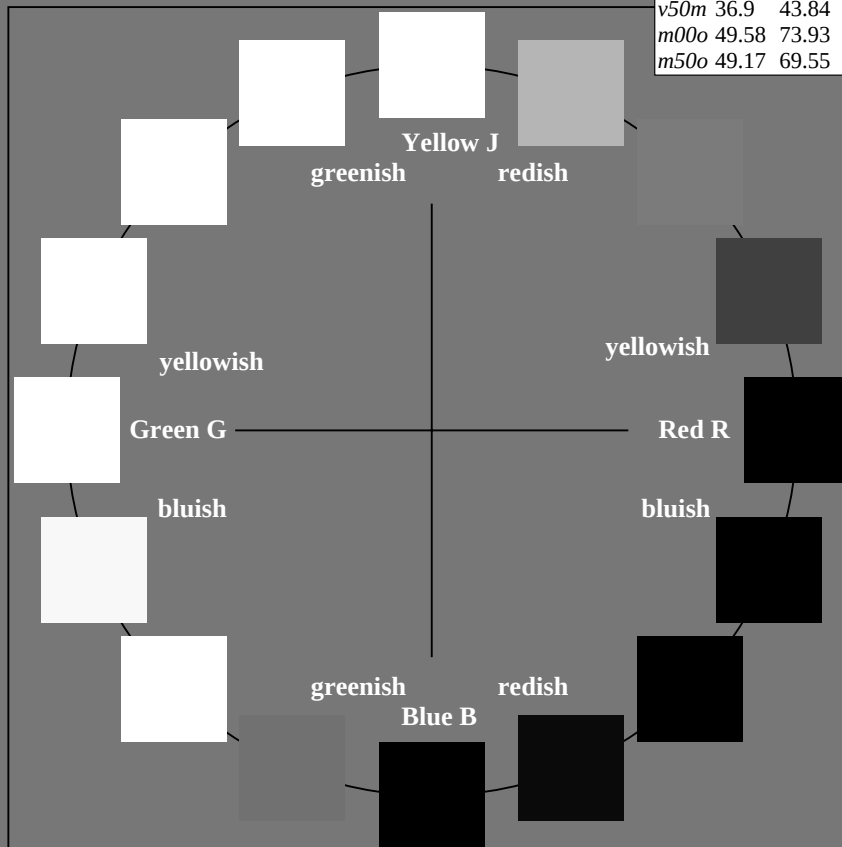
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

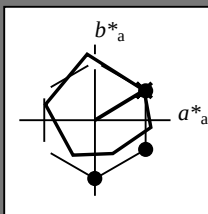
ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	25
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



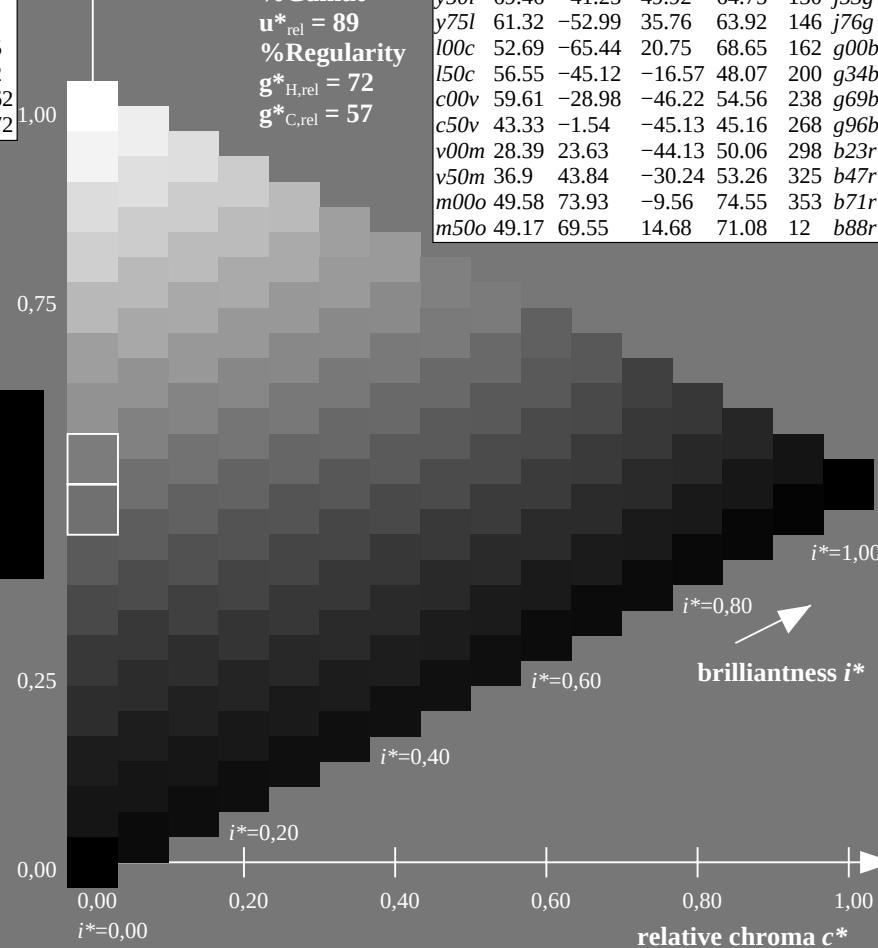
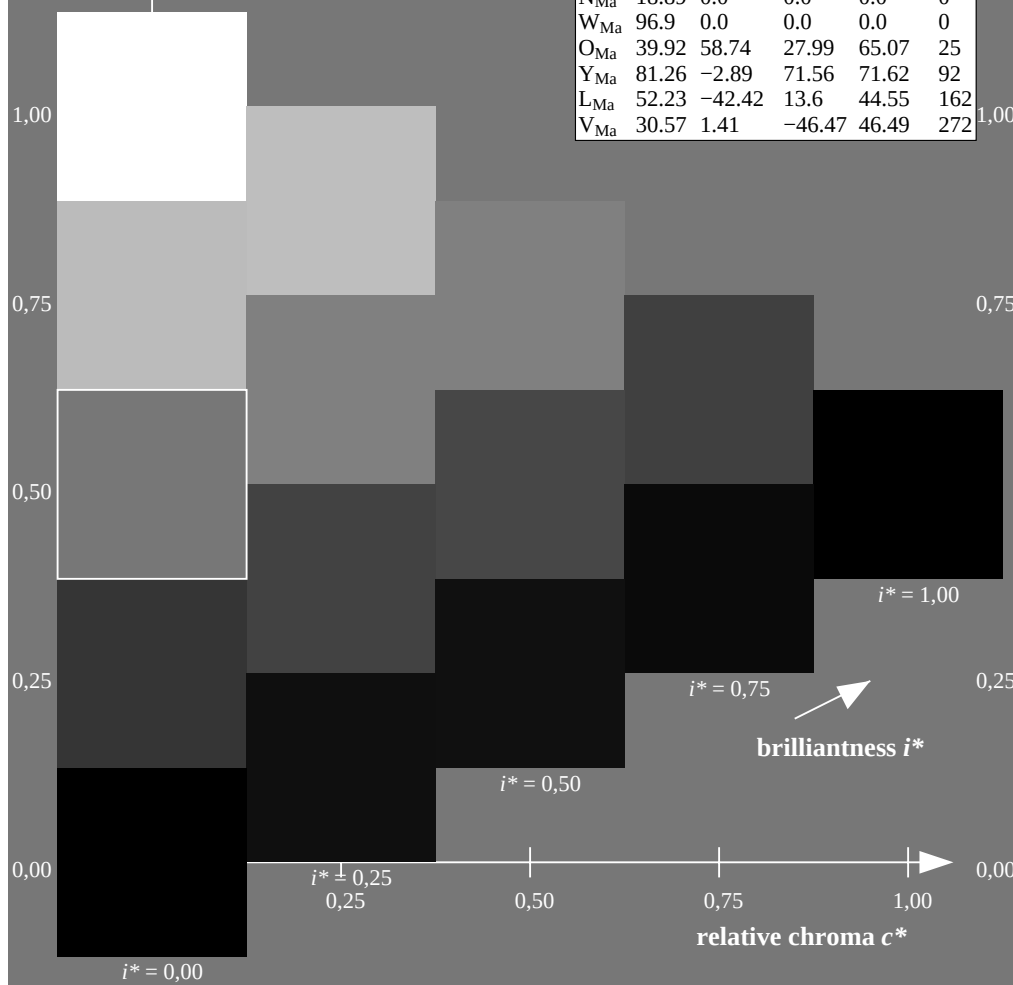
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39
 $LAB^*LCH^*_{Ma}$: 49 76 31
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.0
 $lab^*rgb^*_{Ma}$: 1.0 0.09 0.0
triangle lightness t^*

%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

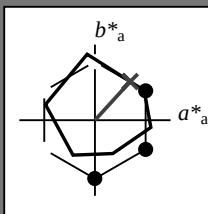
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

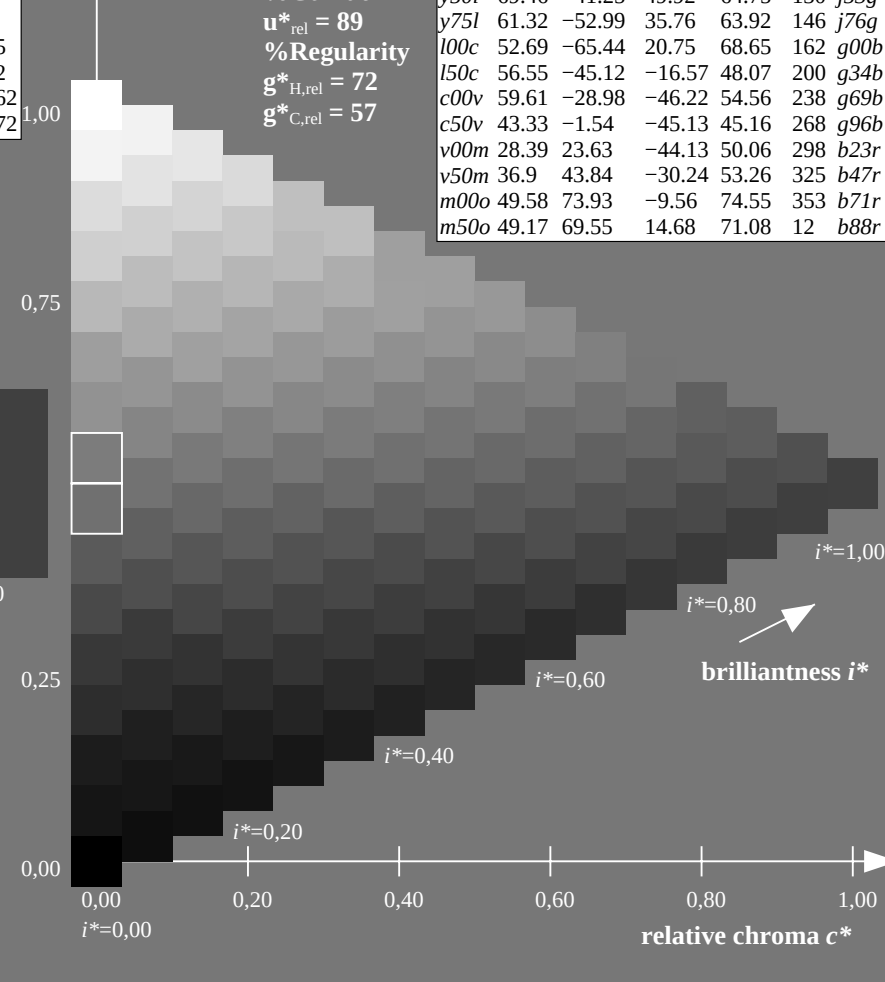
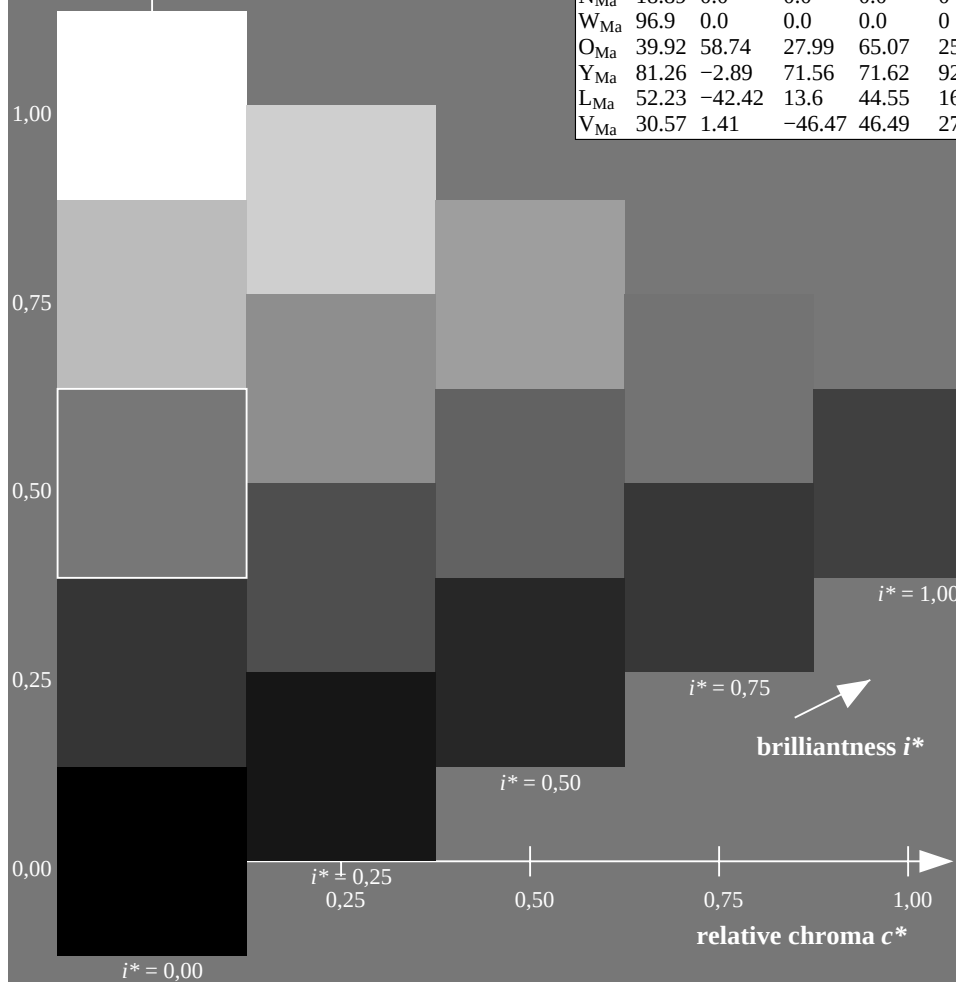
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

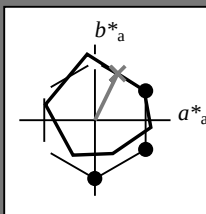
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

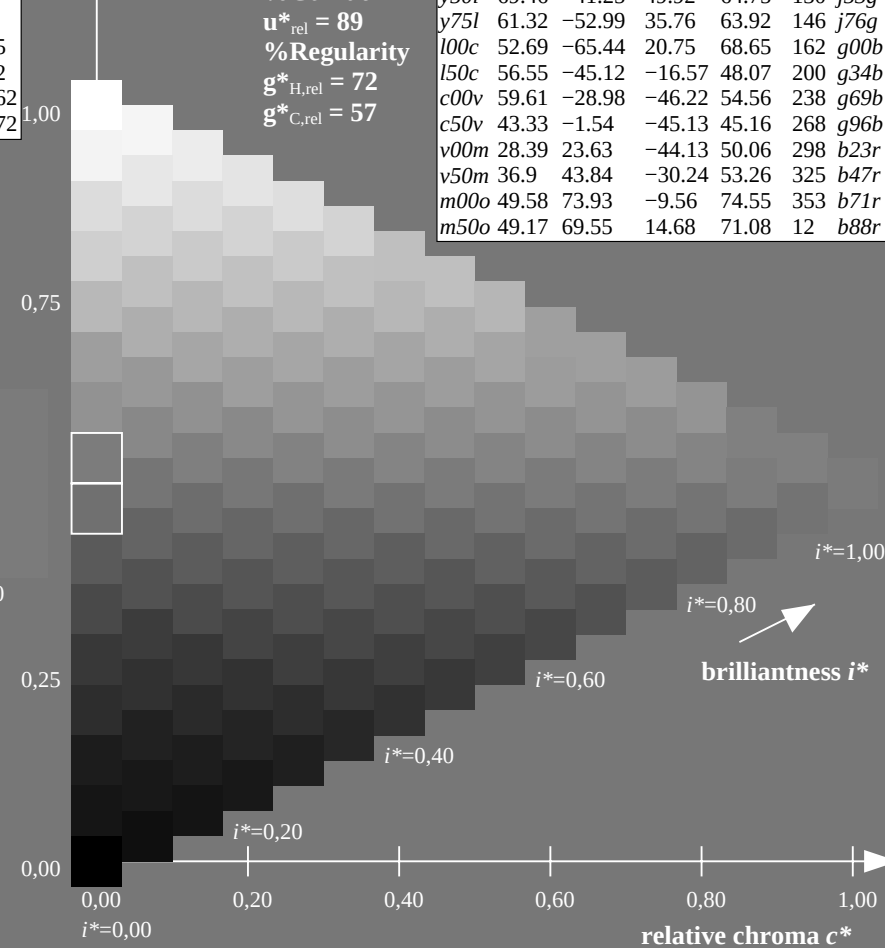
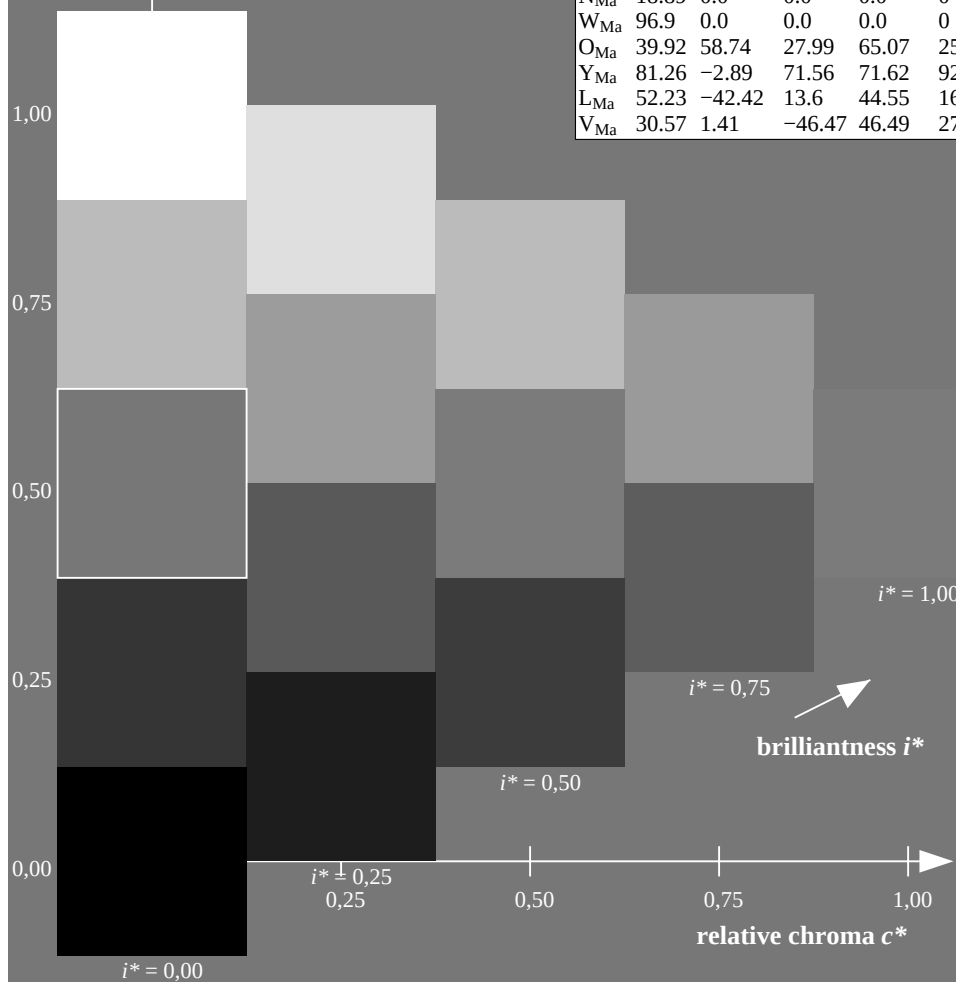
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

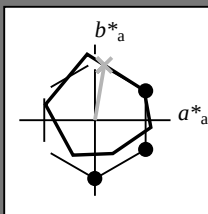
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

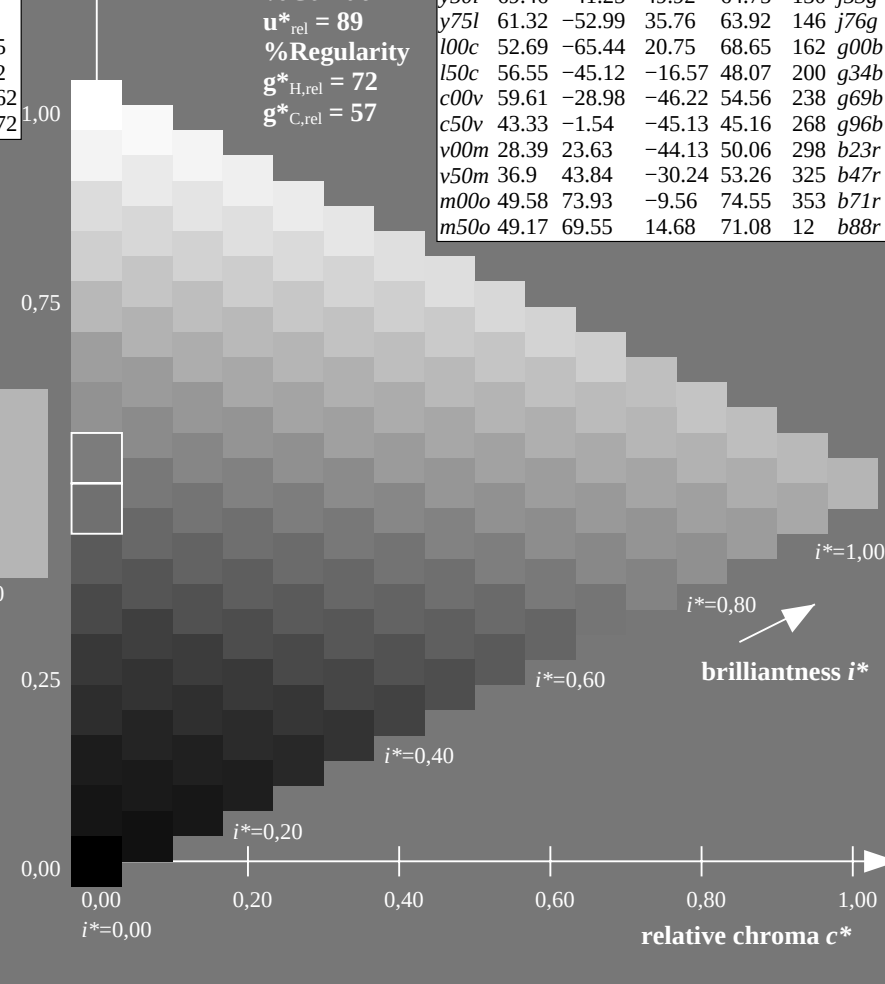
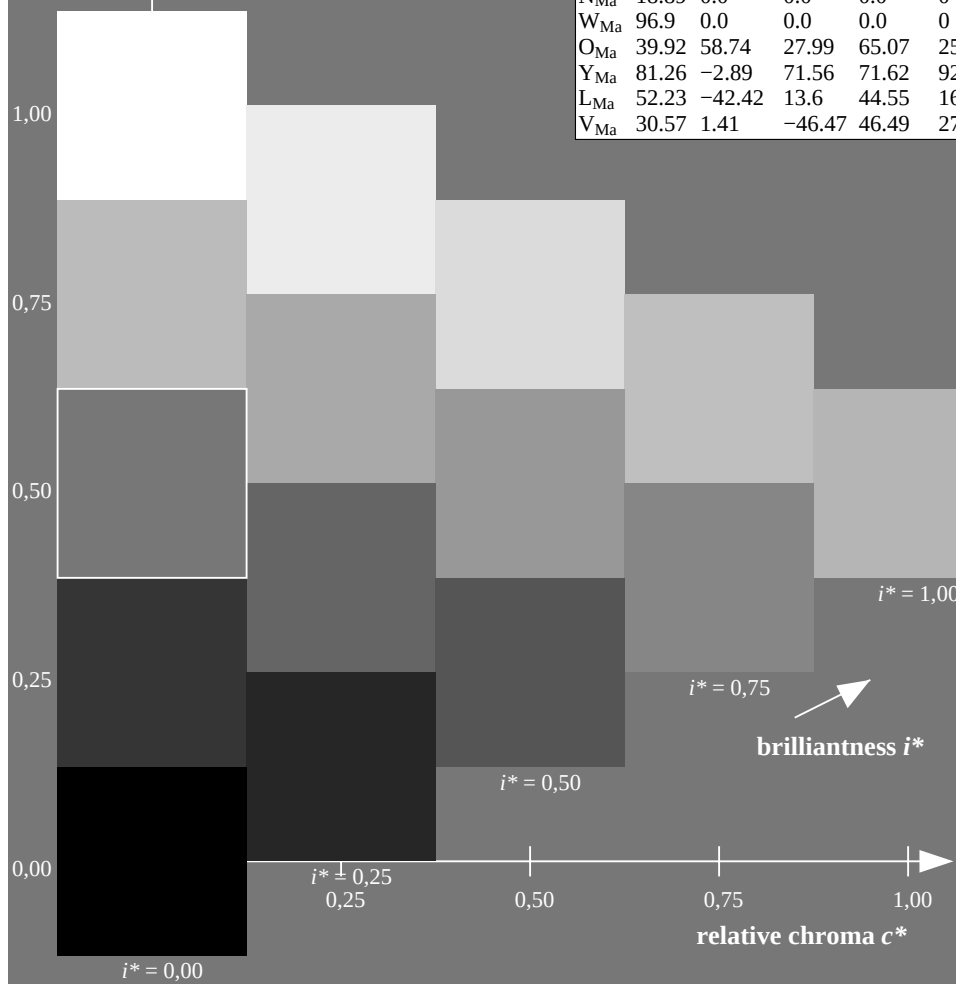
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

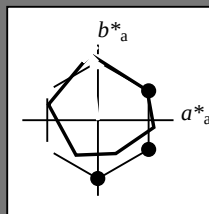
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

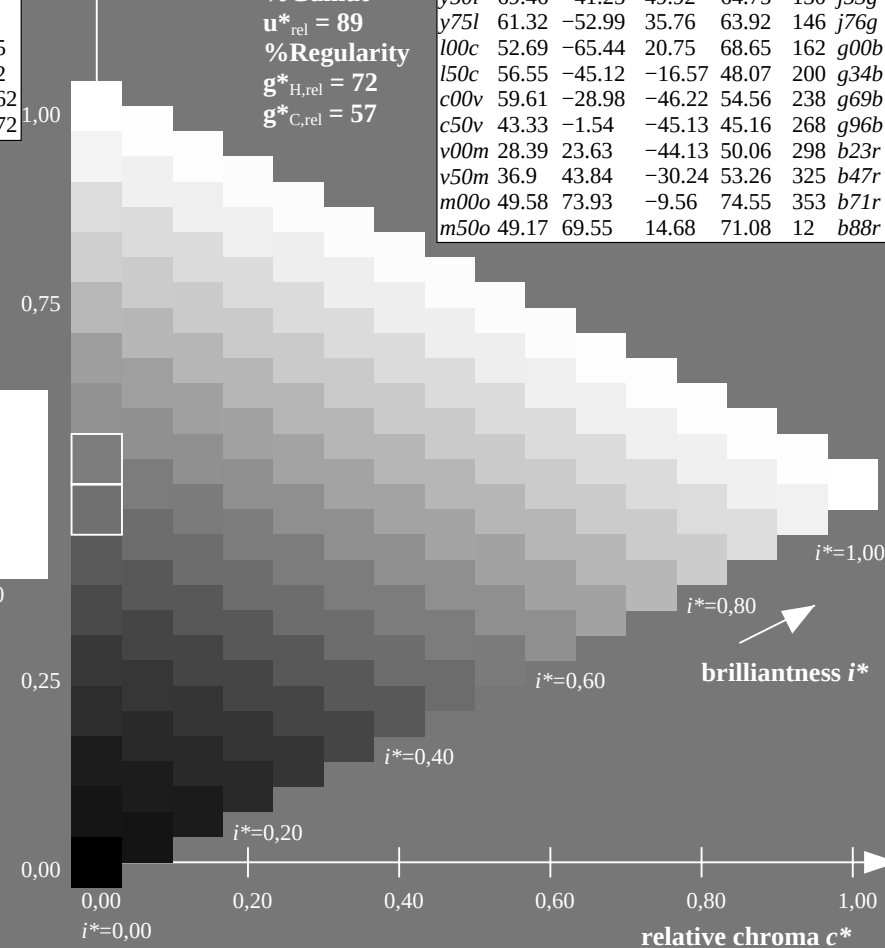
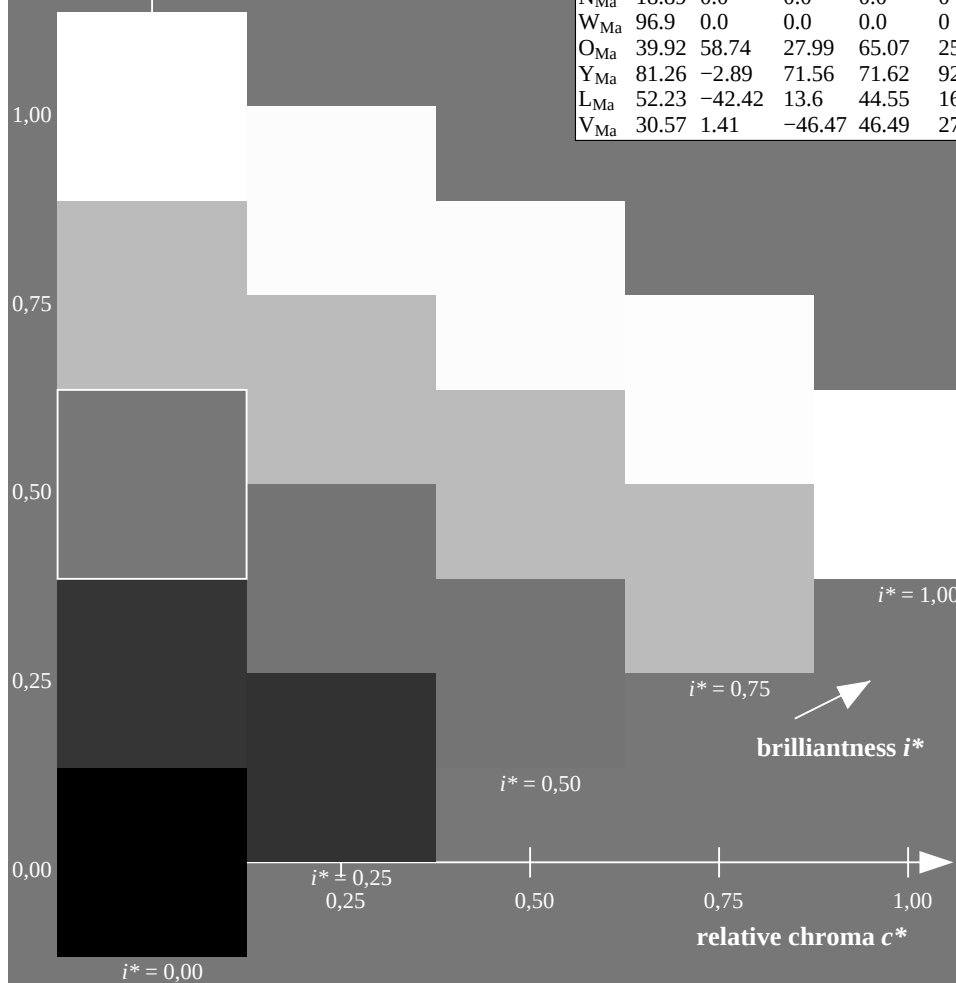
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

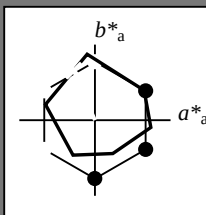
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 79 -28 66

$LAB^*LCH^*_{Ma}$: 79 72 113

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

$lab^*rgb^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

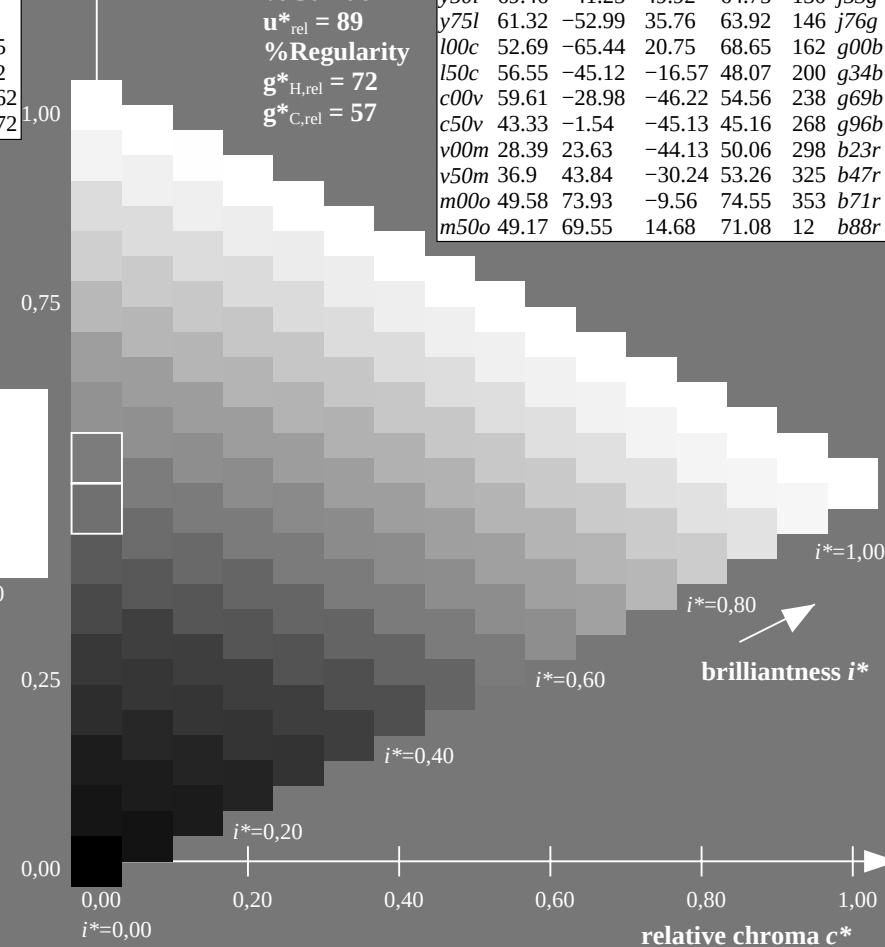
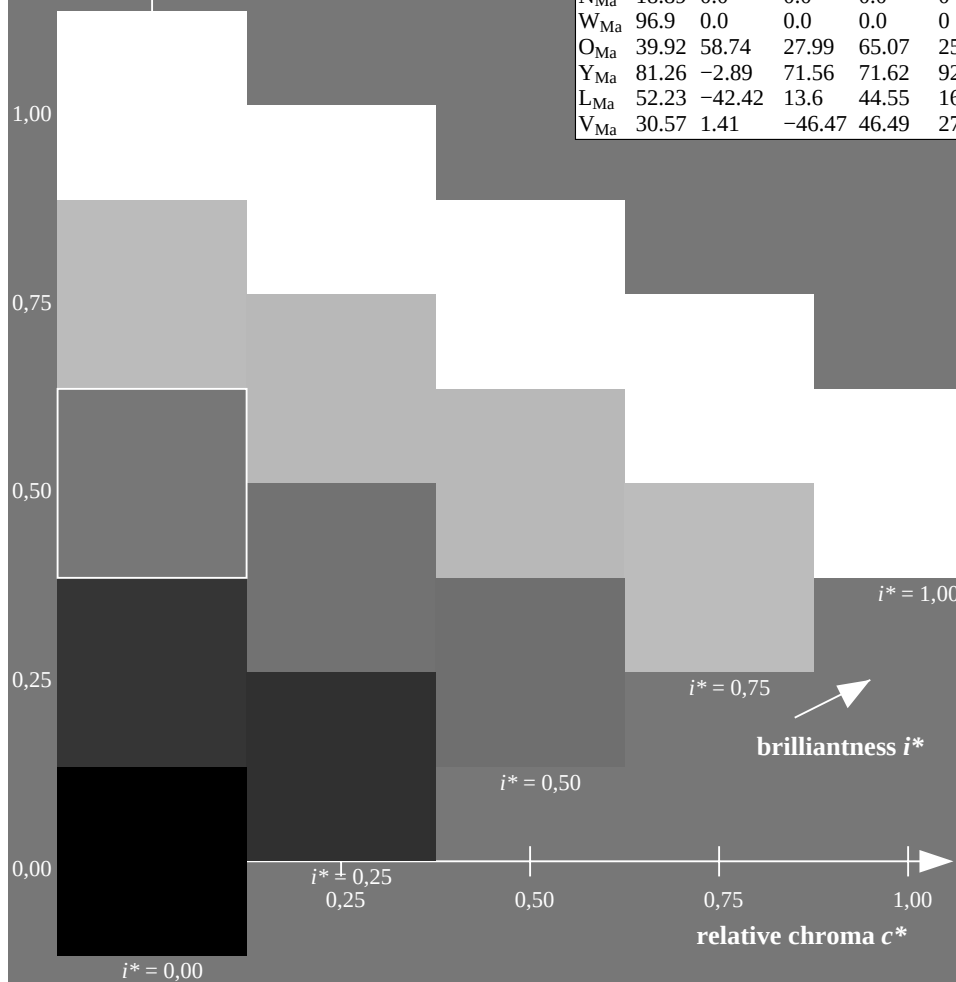
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

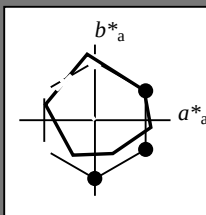
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

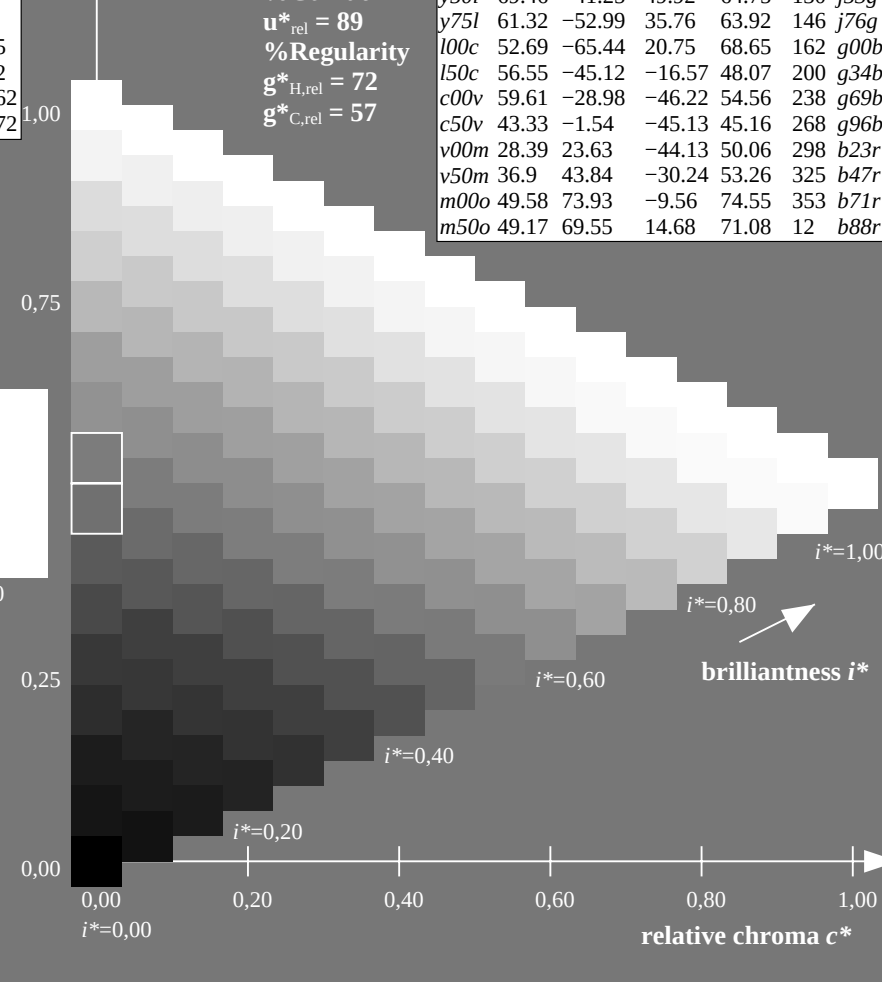
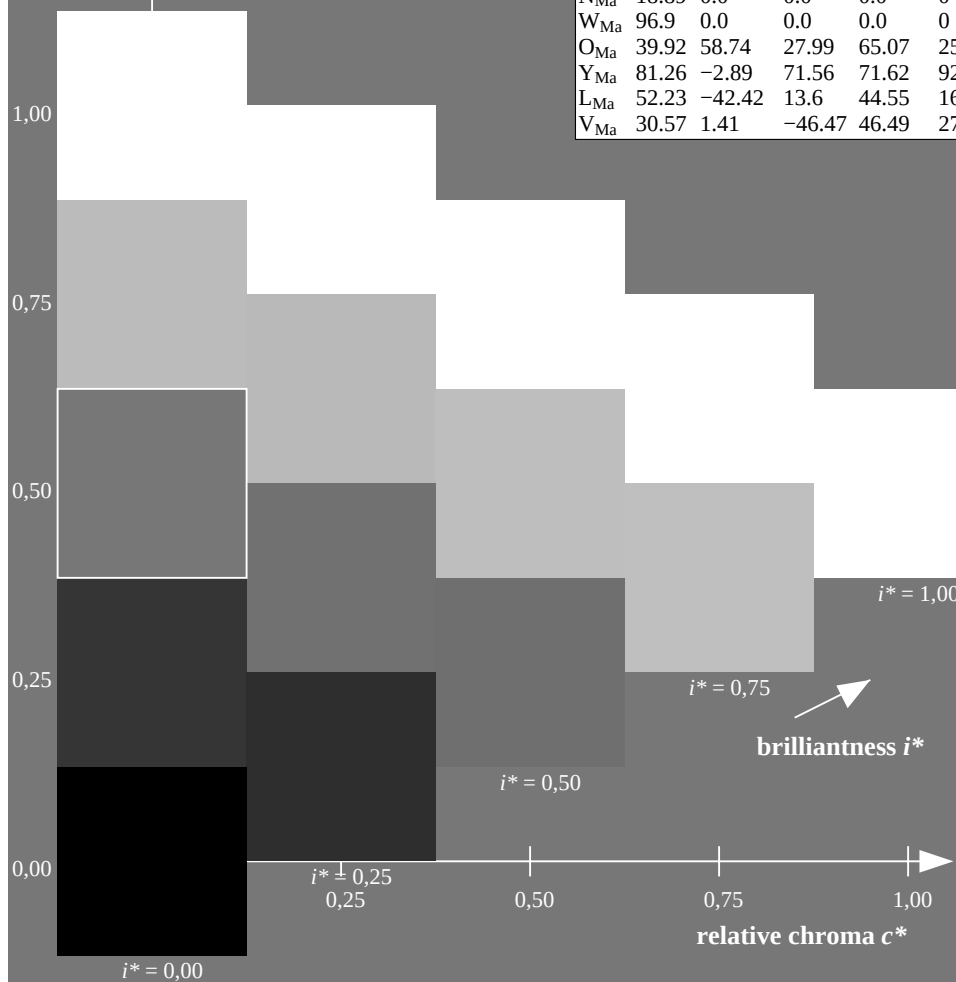
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$
data for any colour:
 lab^*tch^* and lab^*icu^*

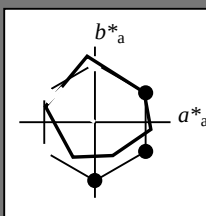
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 61 -53 36

$\text{LAB}^*\text{LCH}^*_{Ma}$: 61 64 145

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

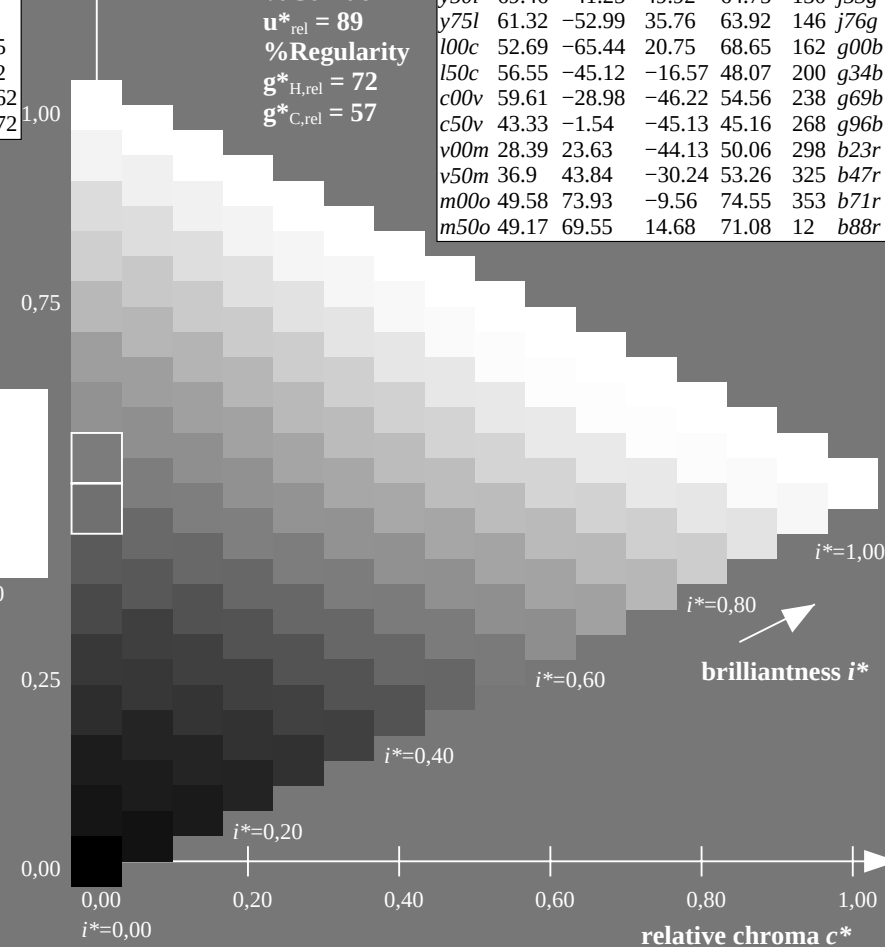
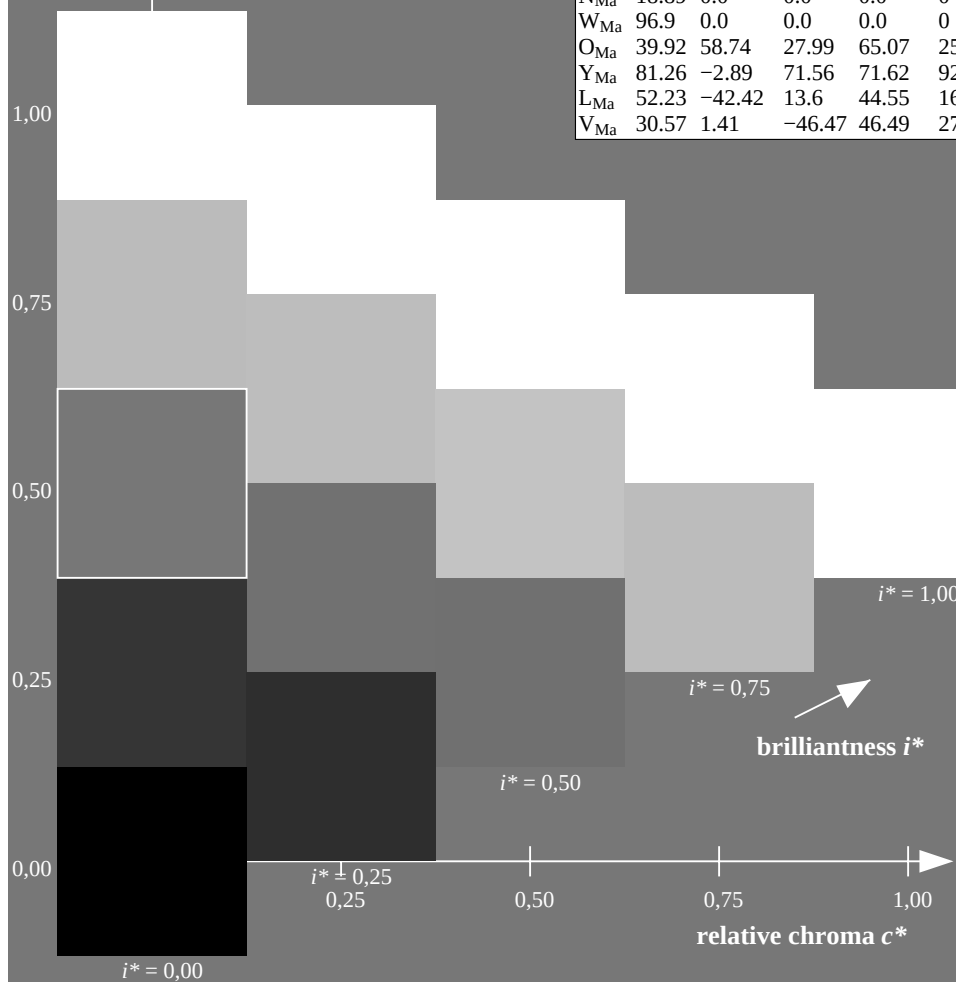
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

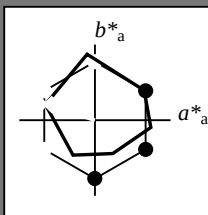
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

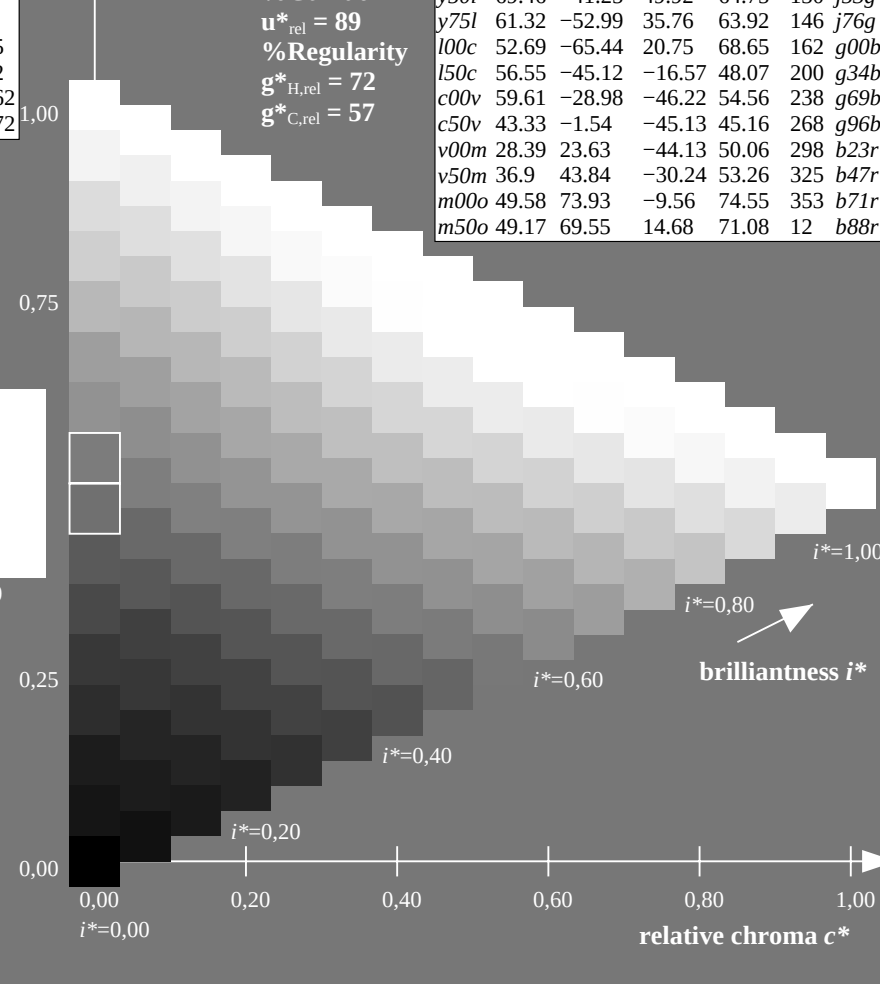
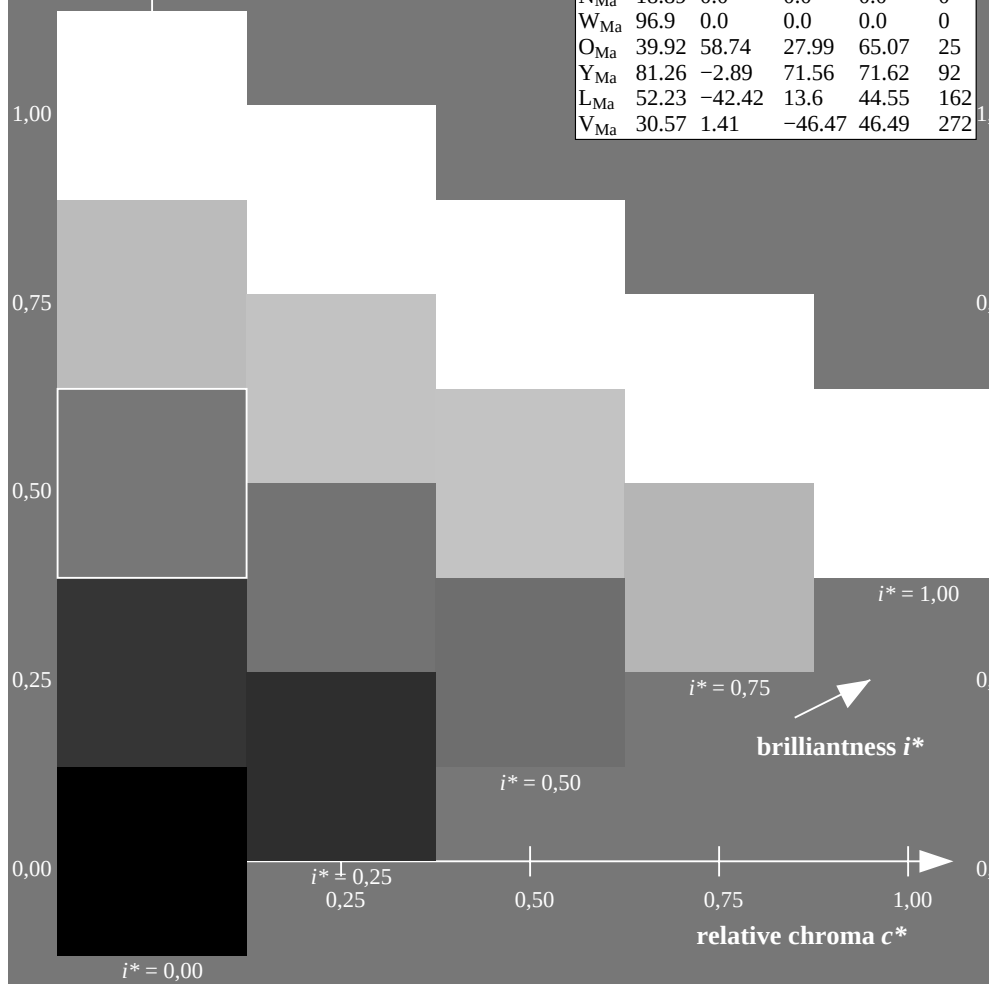
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

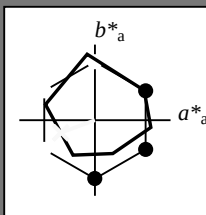
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

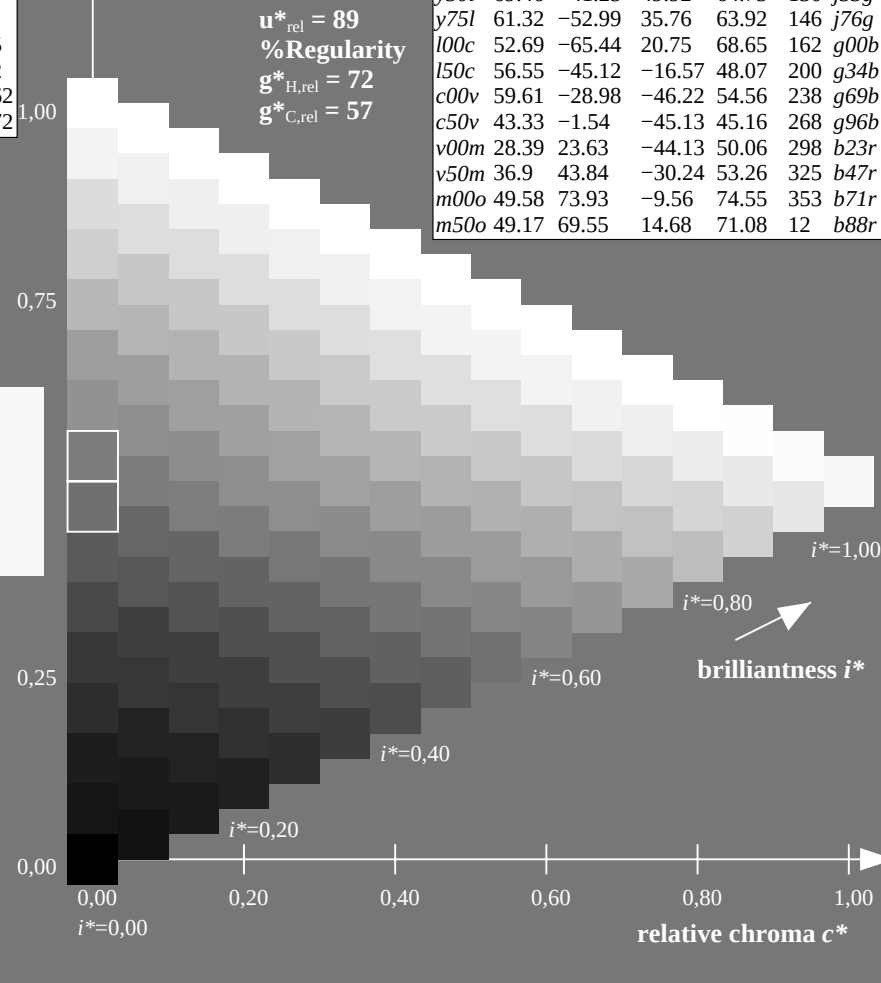
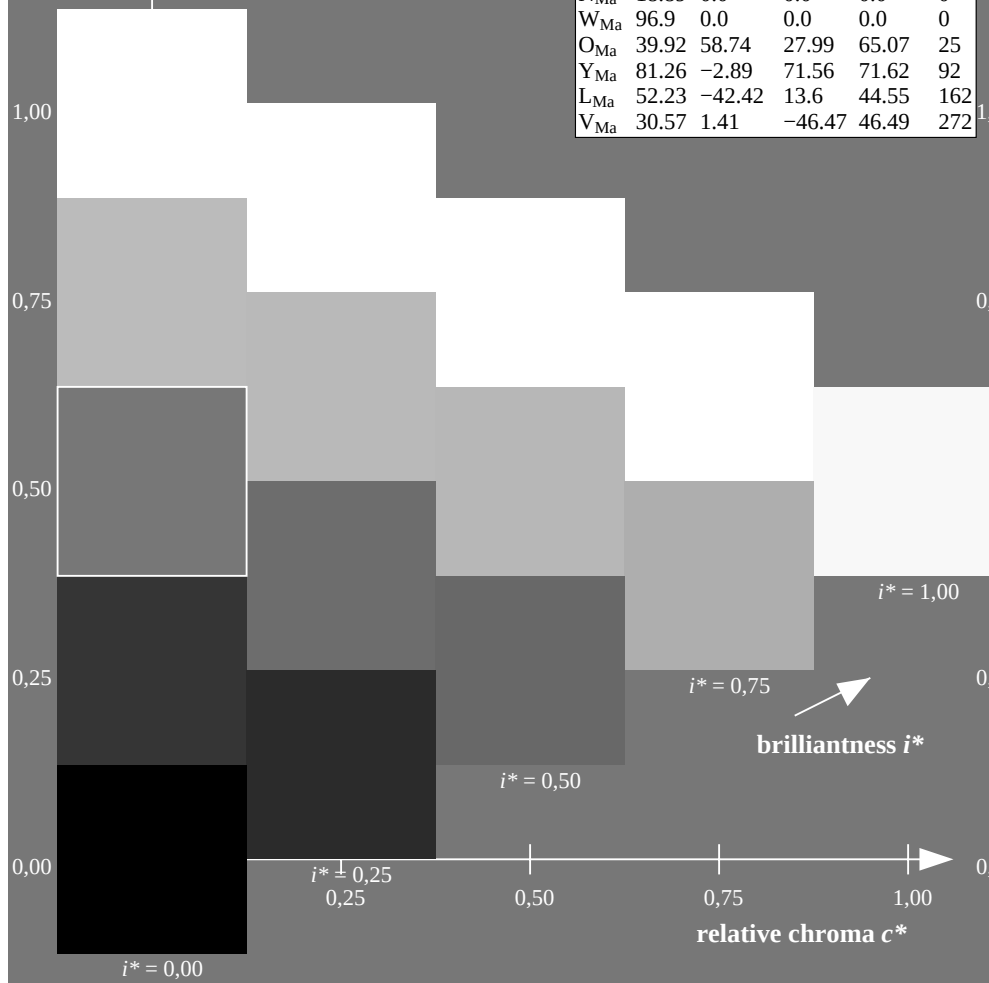
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$
data for any colour:

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

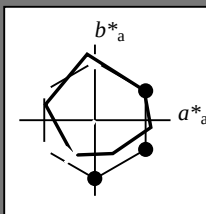
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

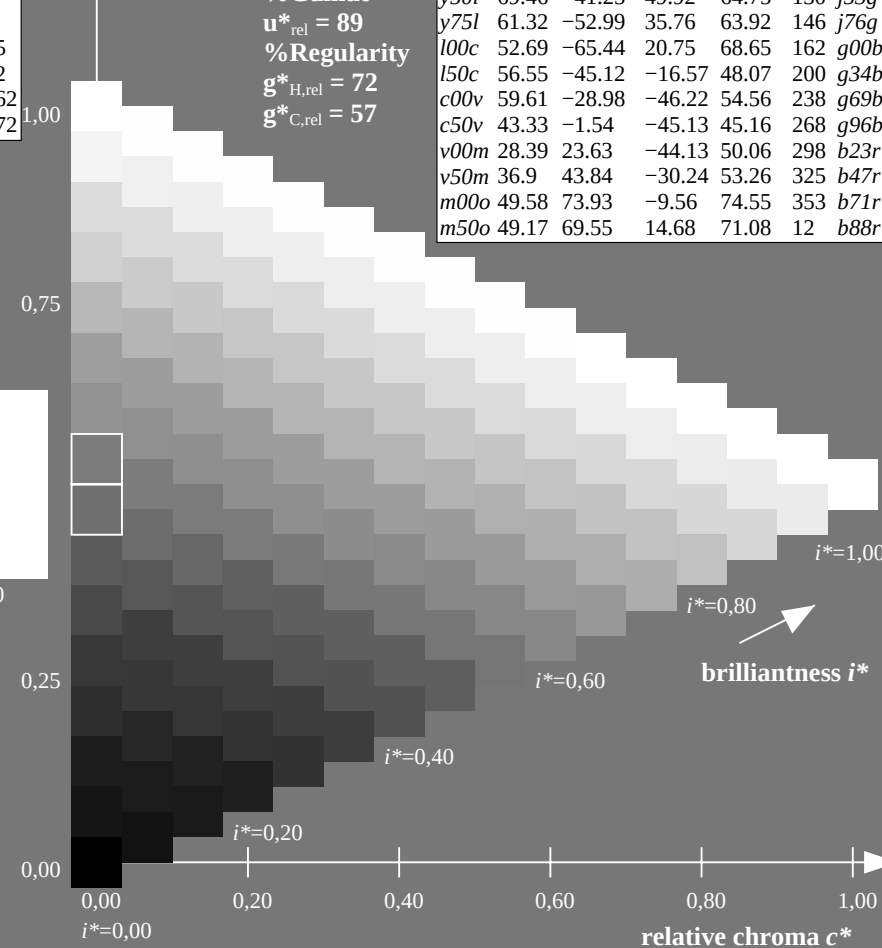
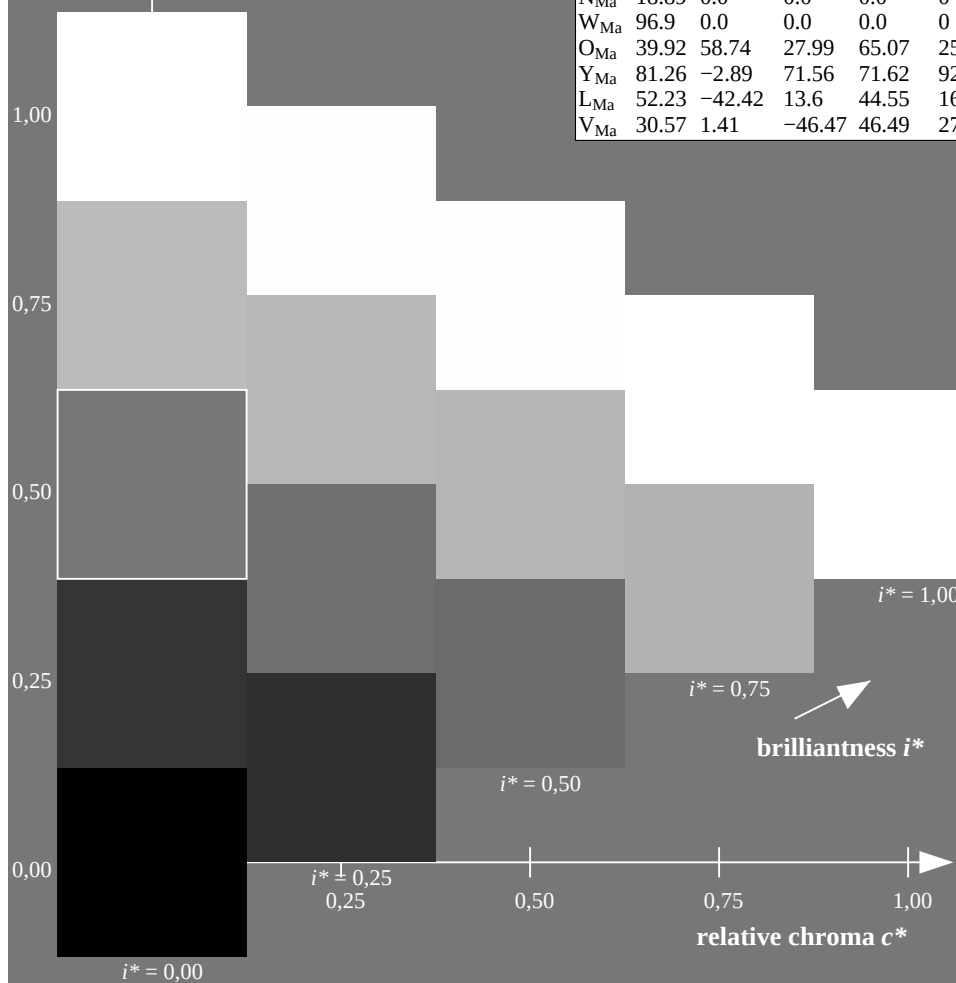
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c00v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

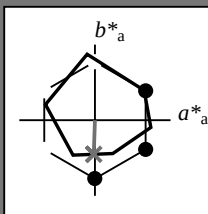
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

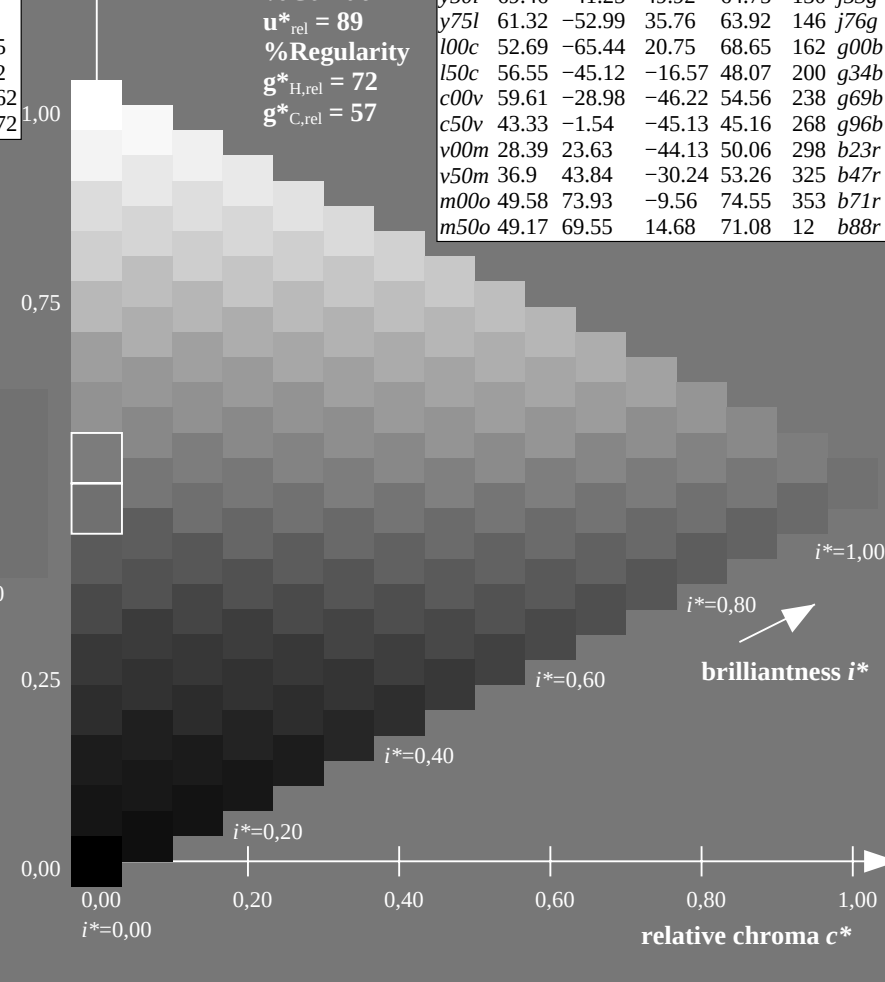
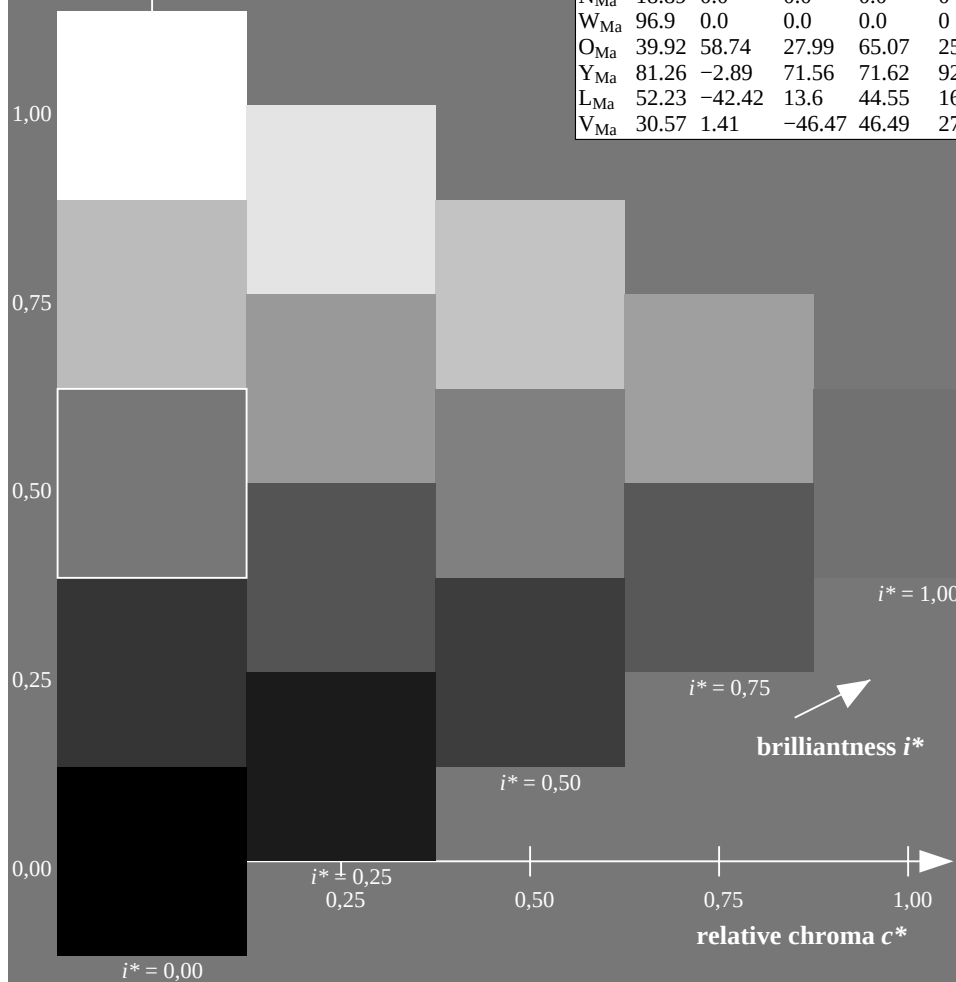
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

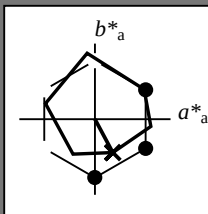
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	48.75	65.07	39.43	76.08	31
YMa	90.92	-10.29	87.24	87.85	97
LMa	52.69	-65.44	20.75	68.65	162
CMa	59.61	-28.98	-46.22	54.56	238
VMa	28.39	23.63	-44.13	50.06	298
MMa	49.58	73.93	-9.56	74.55	353
NMa	18.89	0.0	0.0	0.0	0
WMa	96.9	0.0	0.0	0.0	0
OMa	39.92	58.74	27.99	65.07	25
YMa	81.26	-2.89	71.56	71.62	92
LMa	52.23	-42.42	13.6	44.55	162
VMa	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 28 24 -44

LAB^*LCH^*Ma : 28 50 298

lab^*olv^*Ma : 0.0 0.0 1.0

lab^*rgb^*Ma : 0.46 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

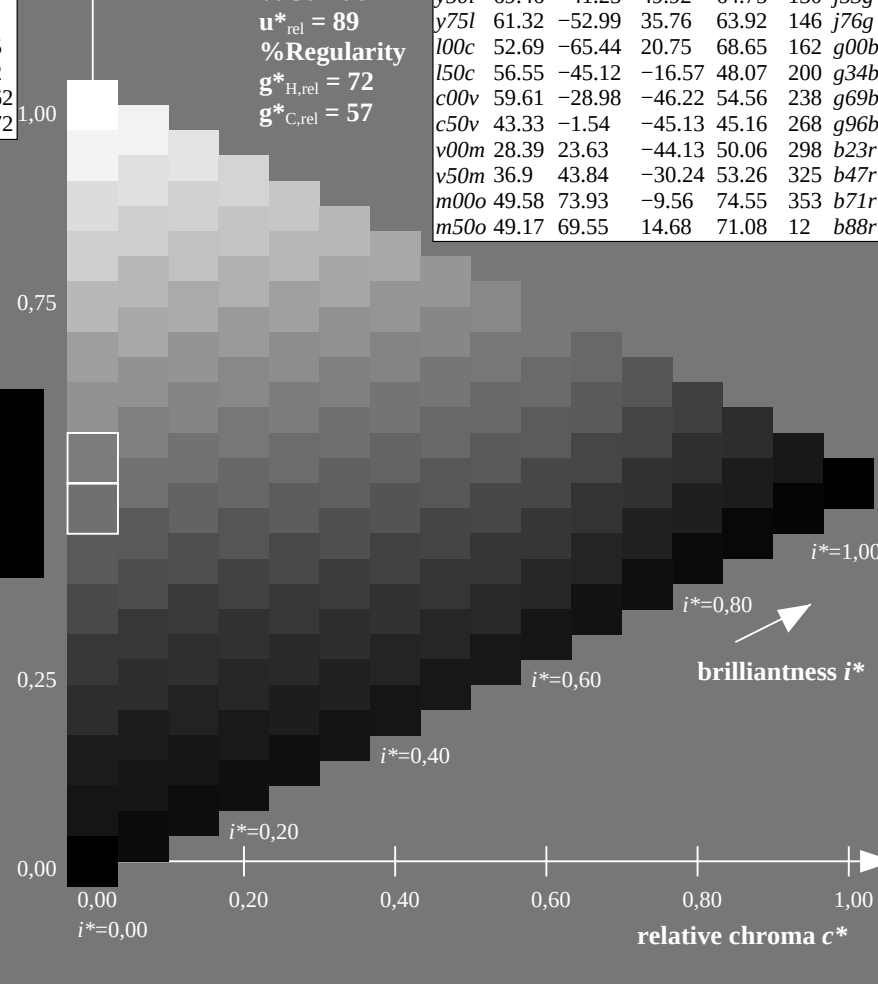
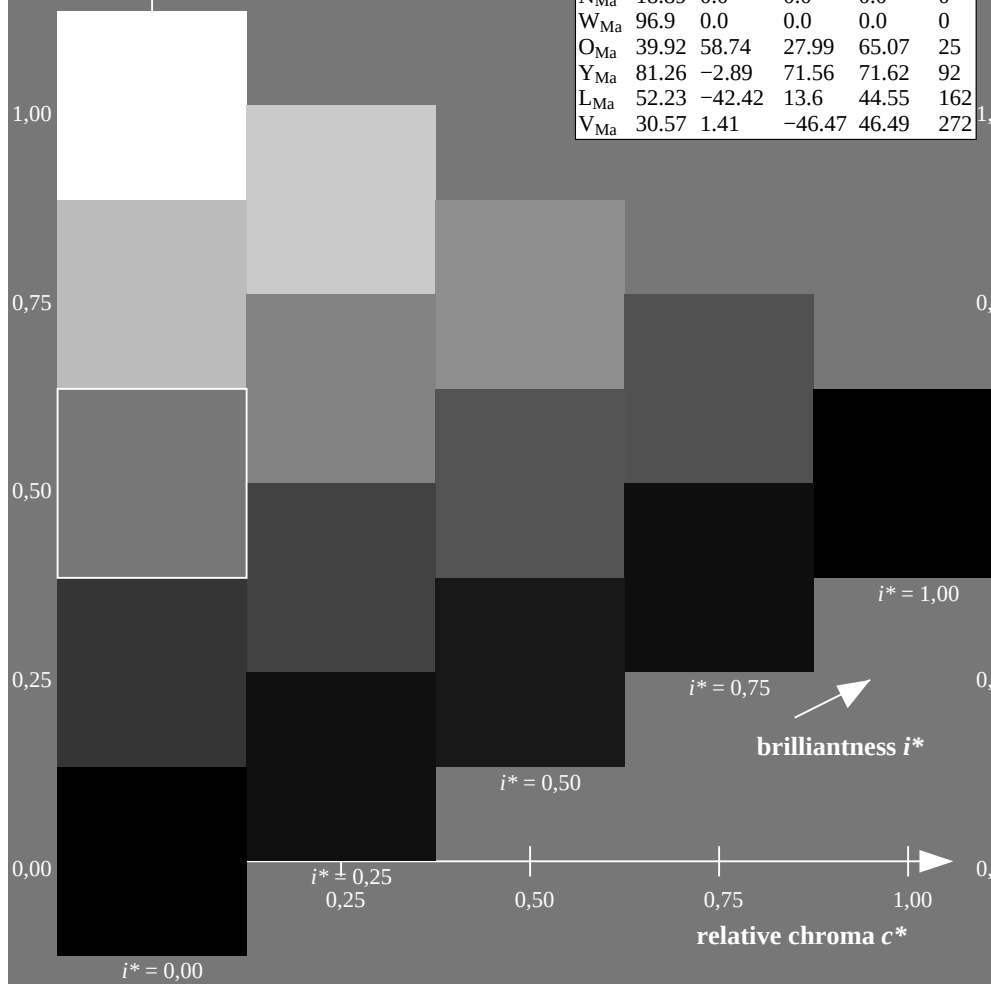
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

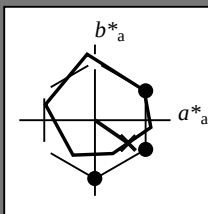
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

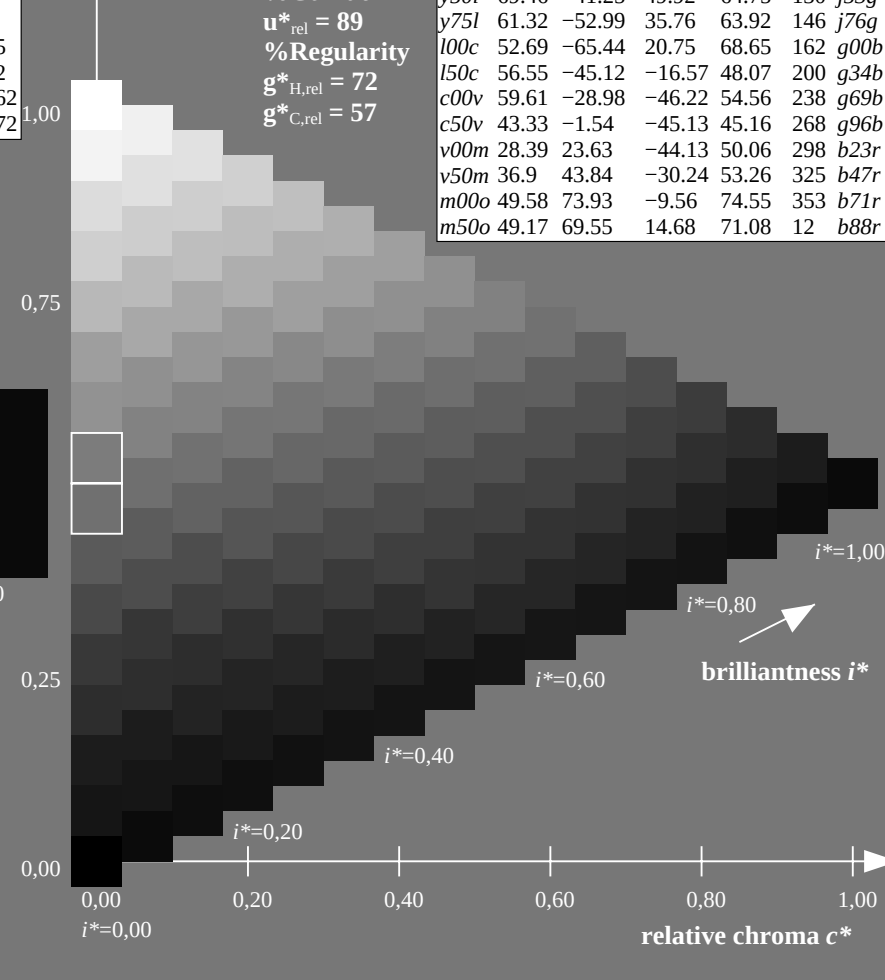
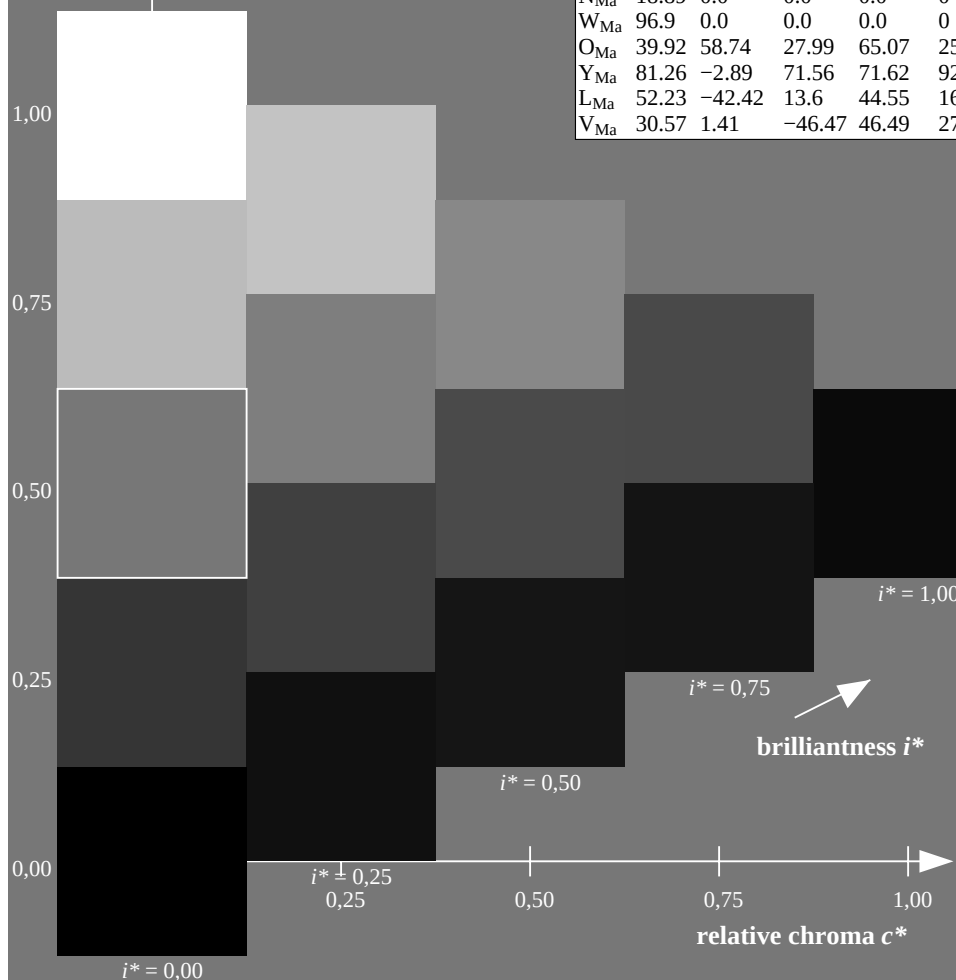
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v50m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

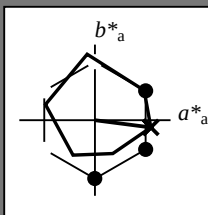
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

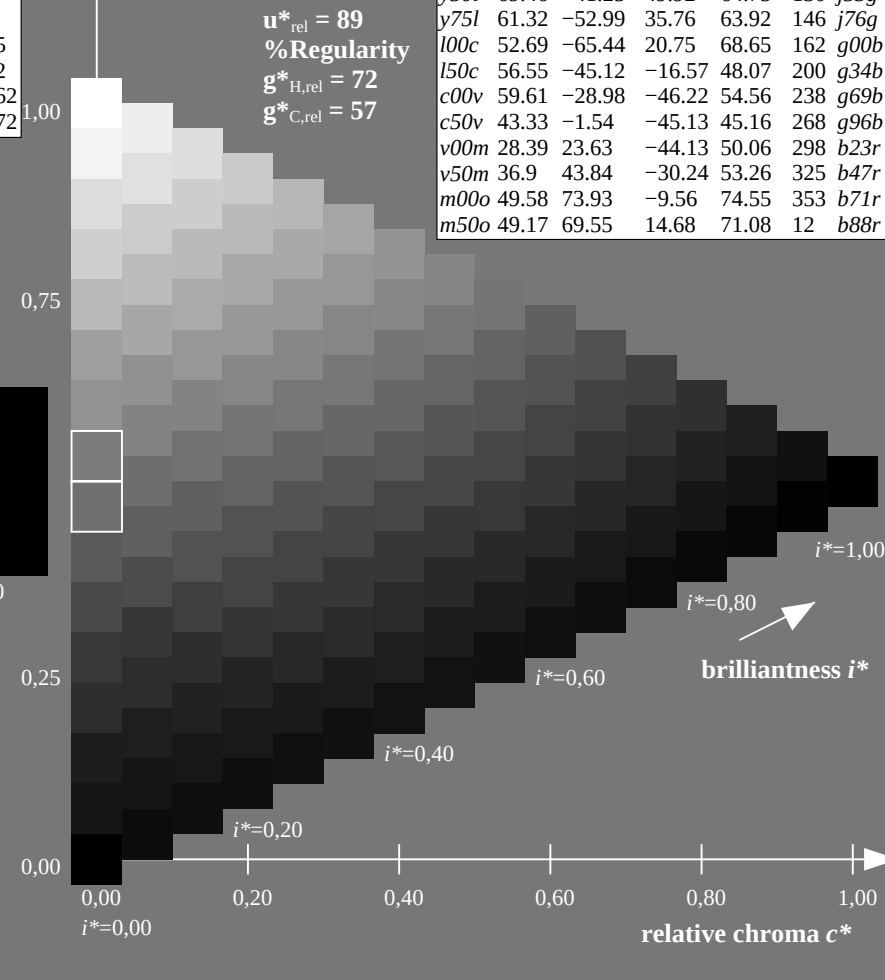
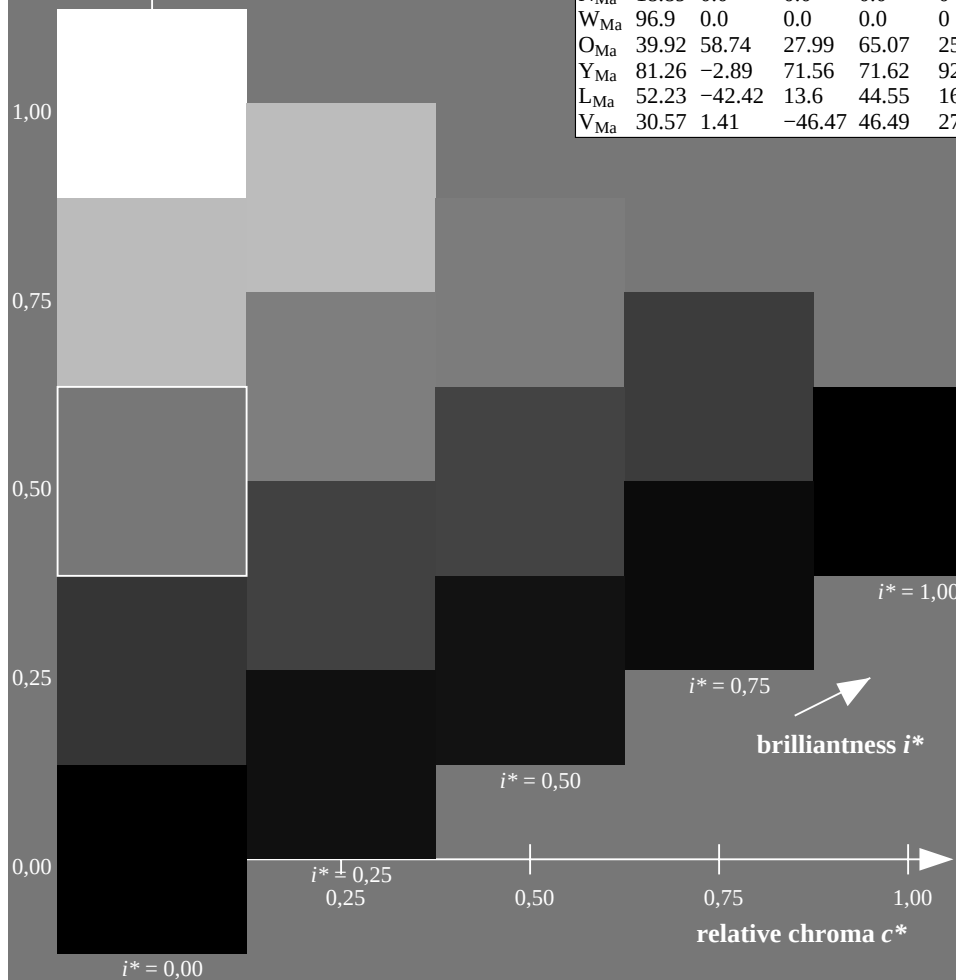
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

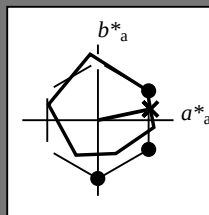
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

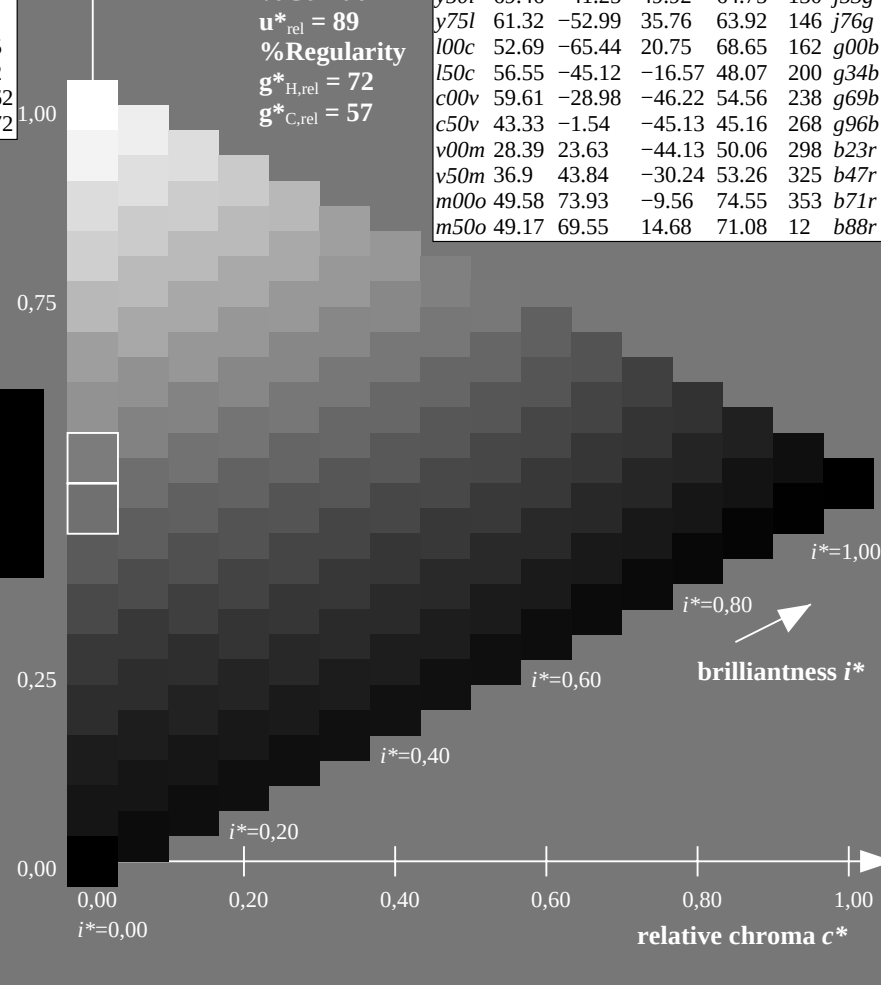
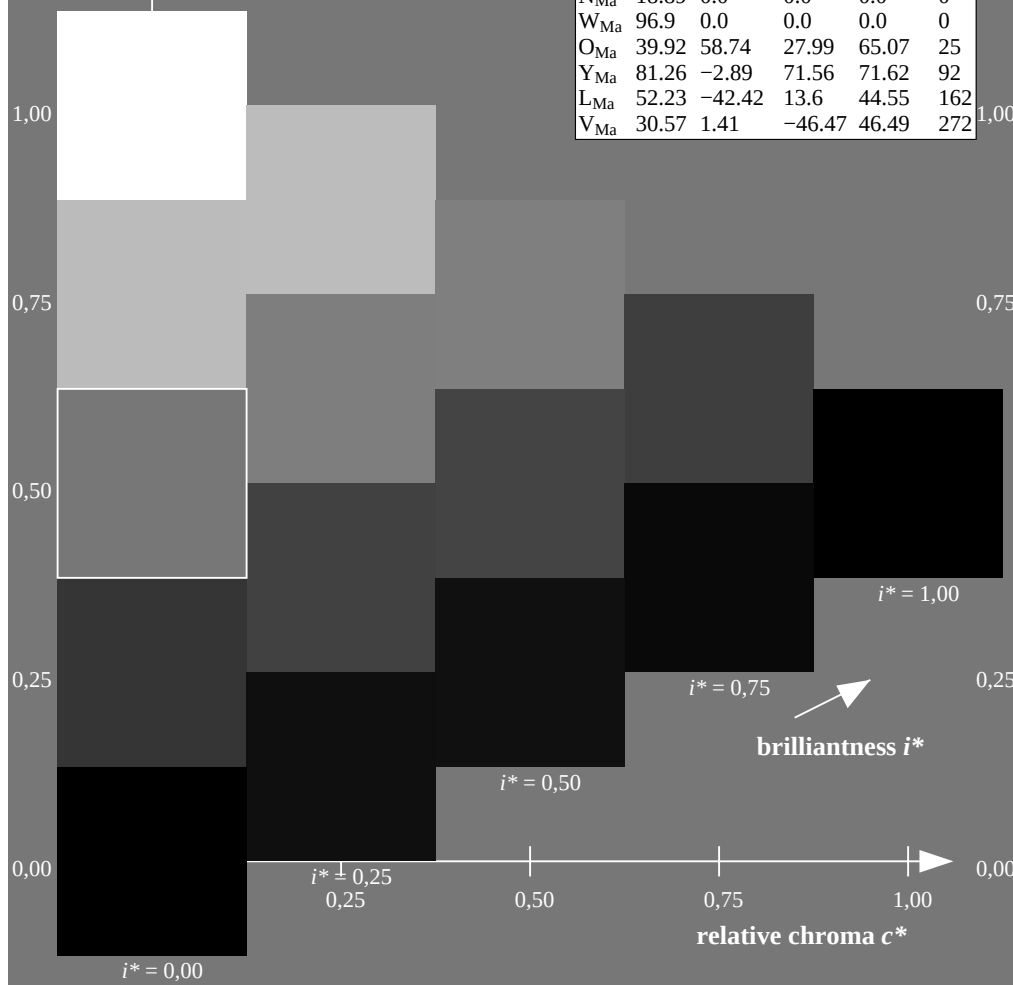
$g^*_{H,rel} = 72$

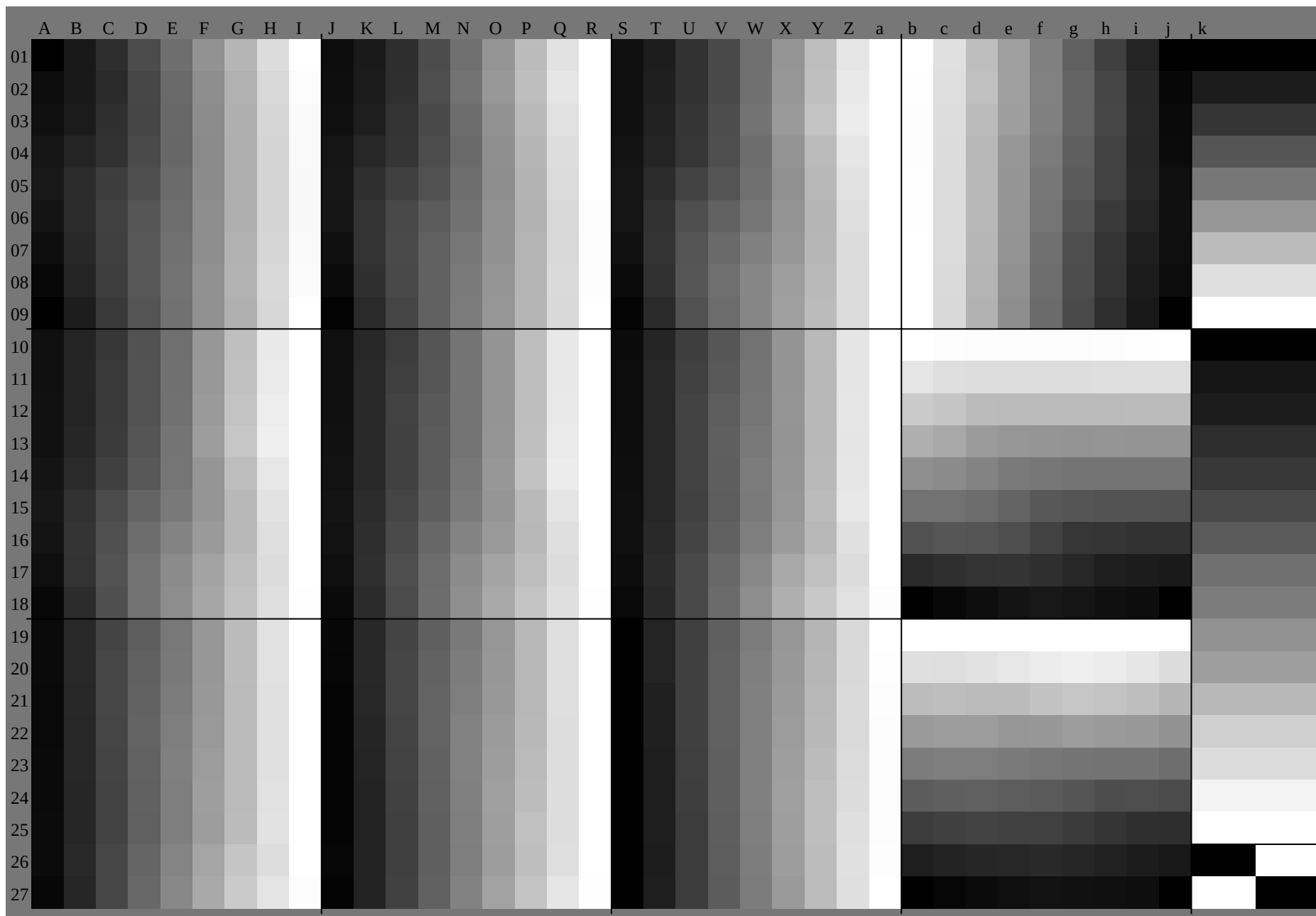
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$



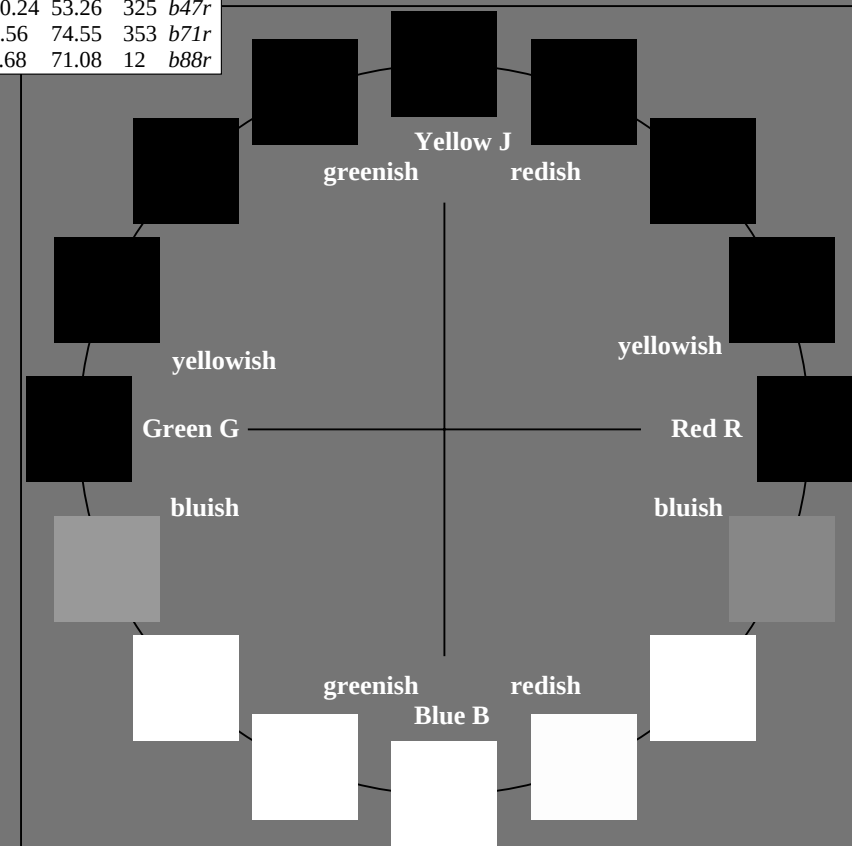
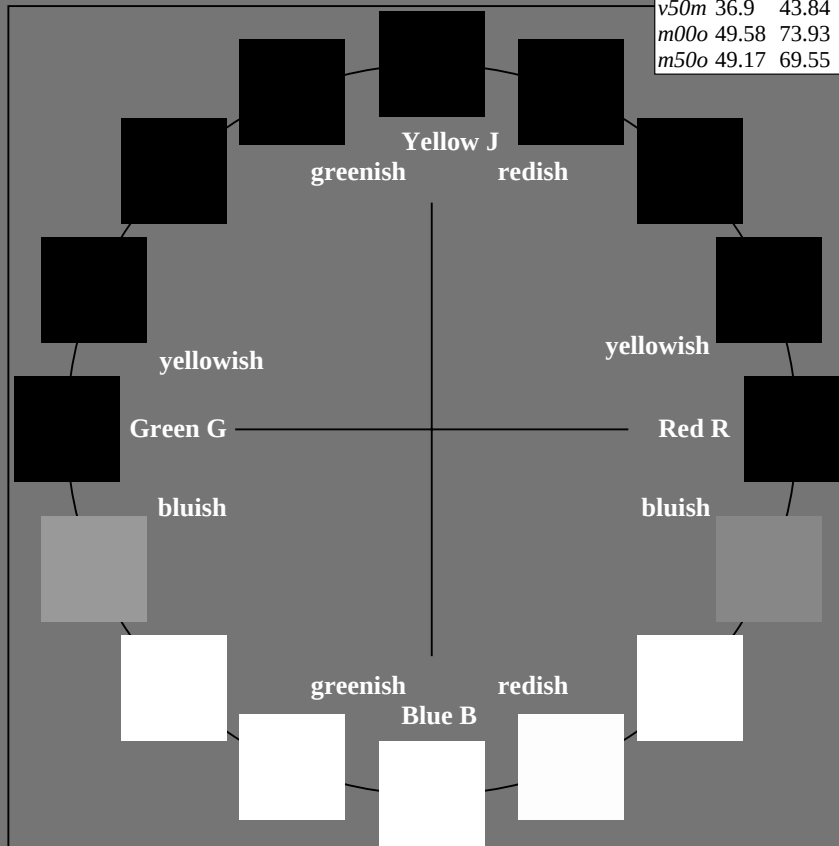


$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



ORS19_96a; adapted (a) CIELAB data					
Name	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{CIE}	39.92	58.74	27.99	65.07	25
Y _{CIE}	81.26	-2.89	71.56	71.62	92
L _{CIE}	52.23	-42.42	13.6	44.55	162
V _{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

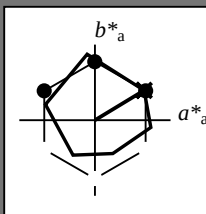
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

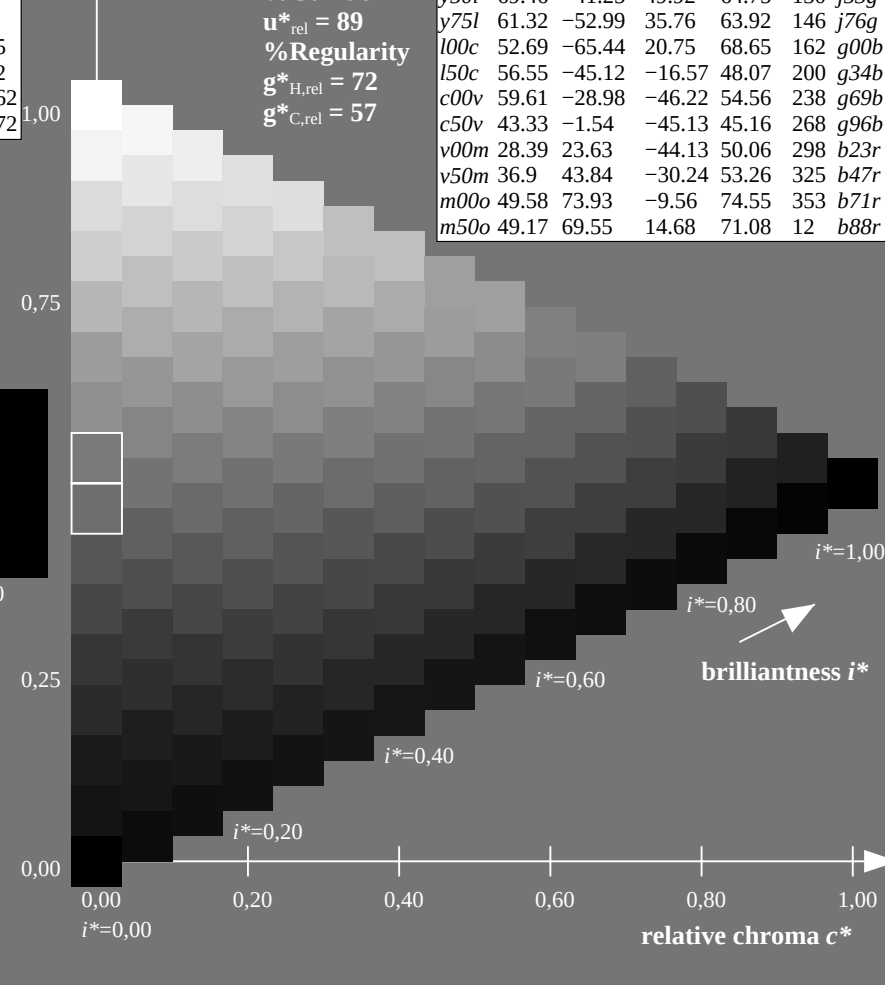
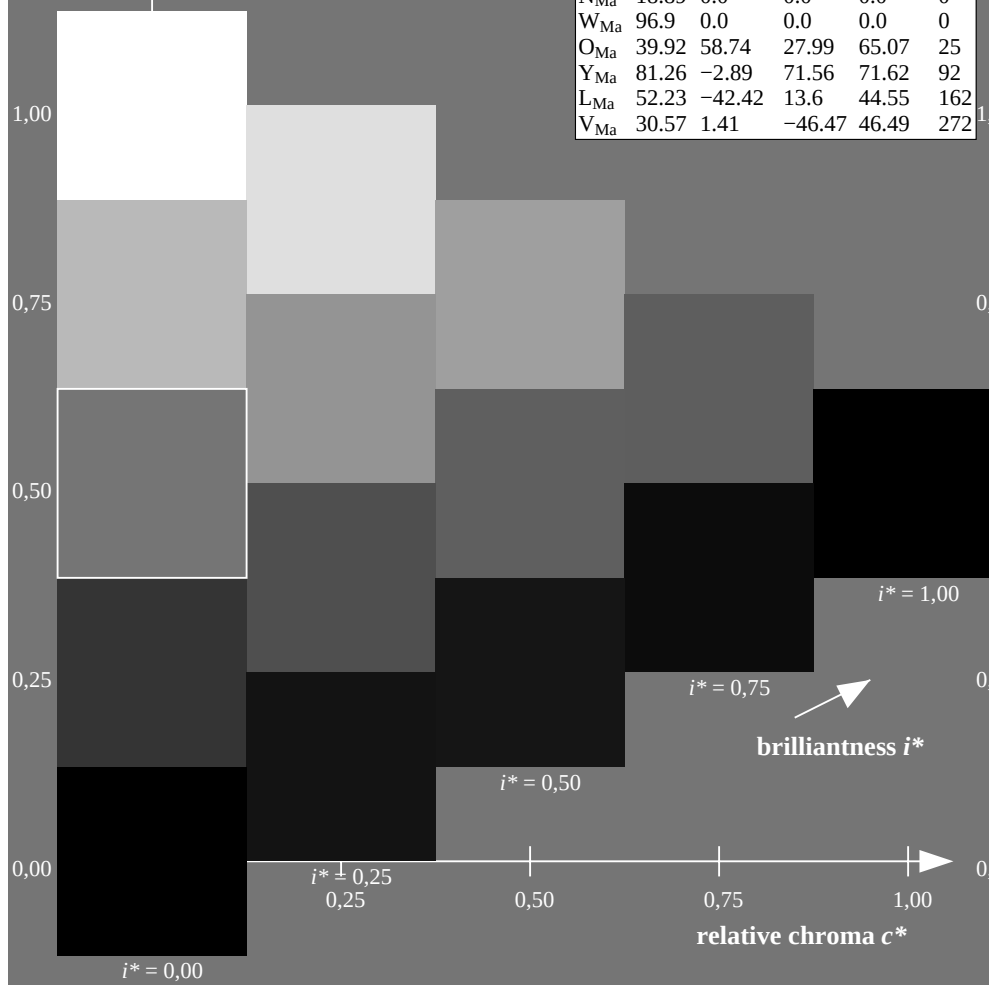
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

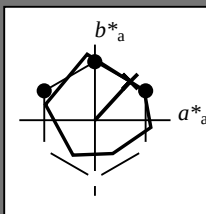
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

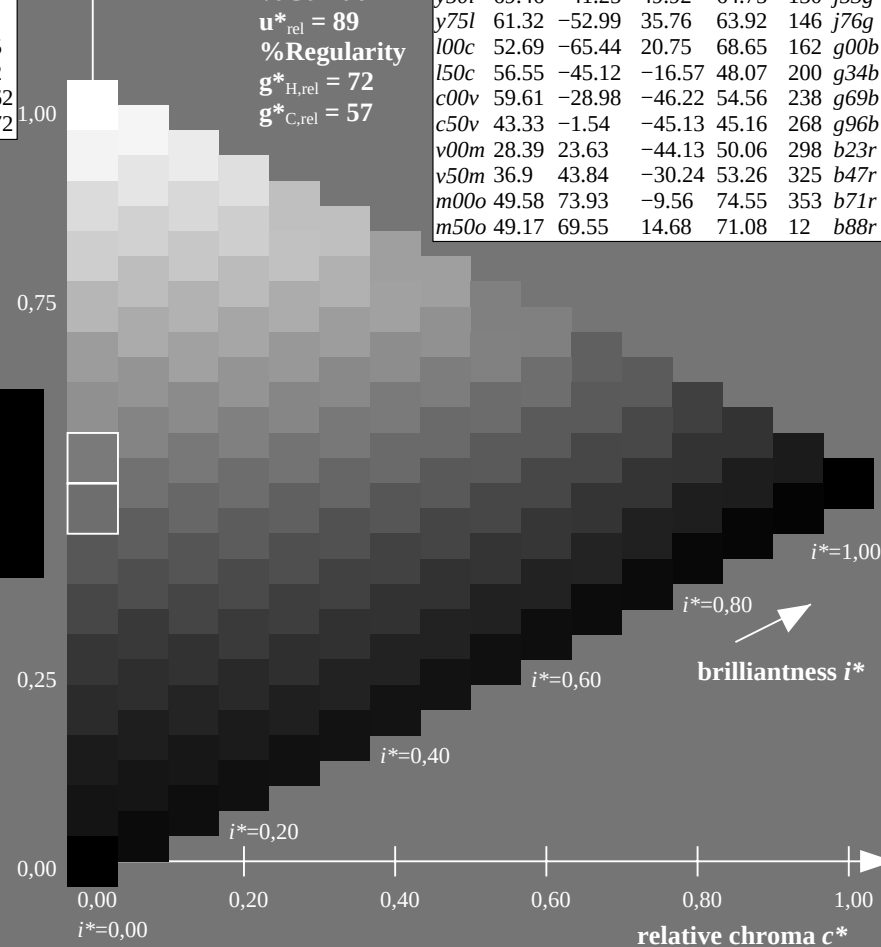
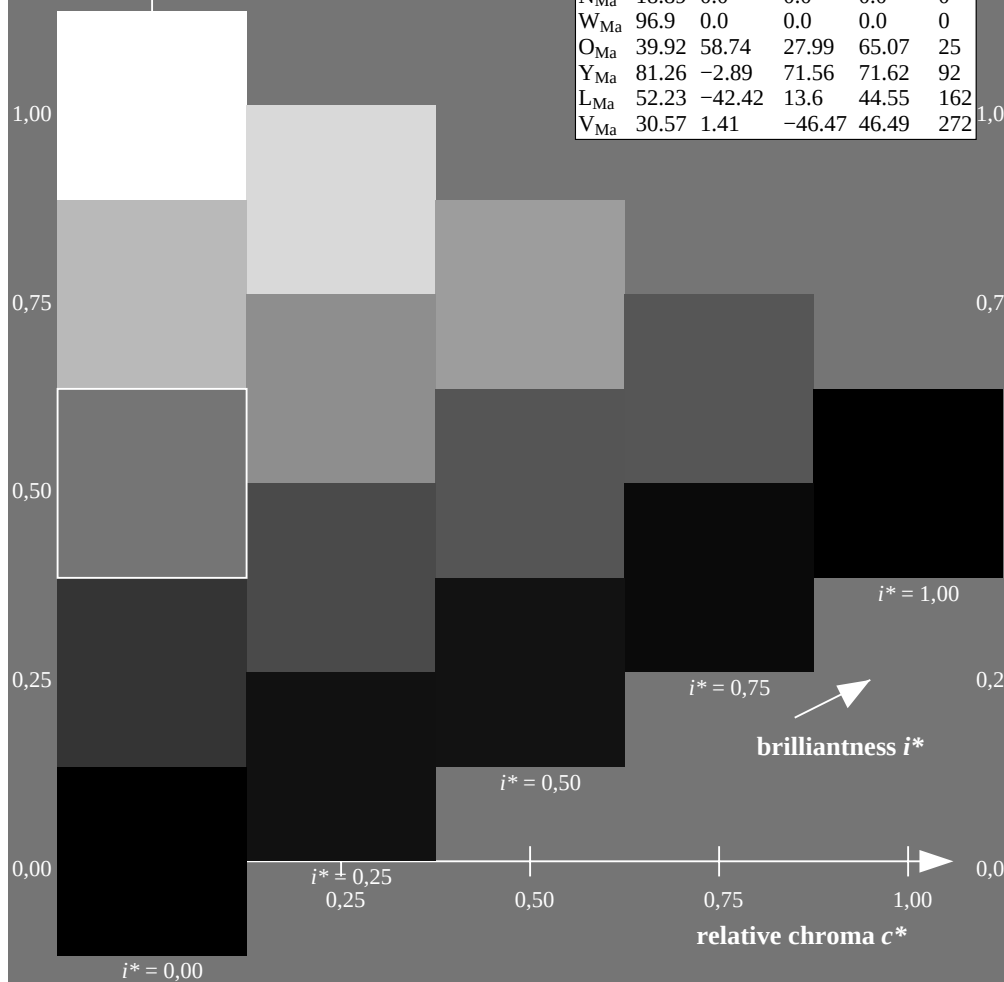
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

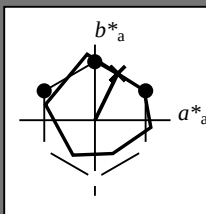
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

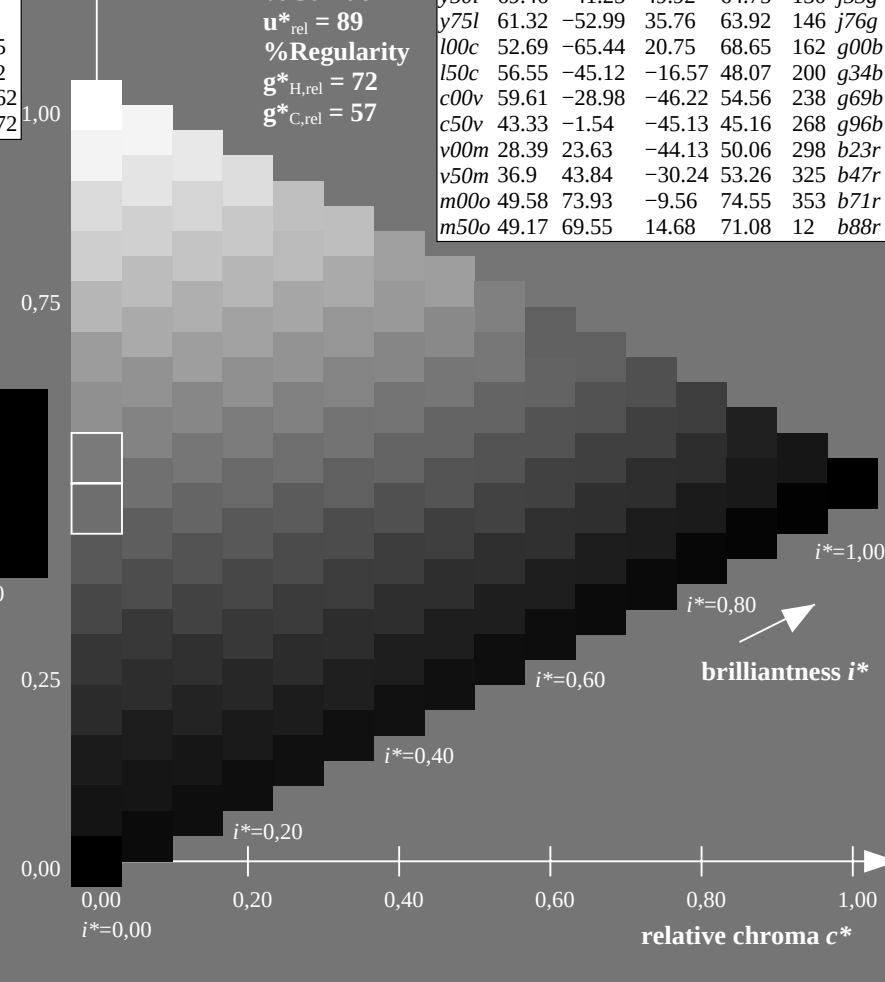
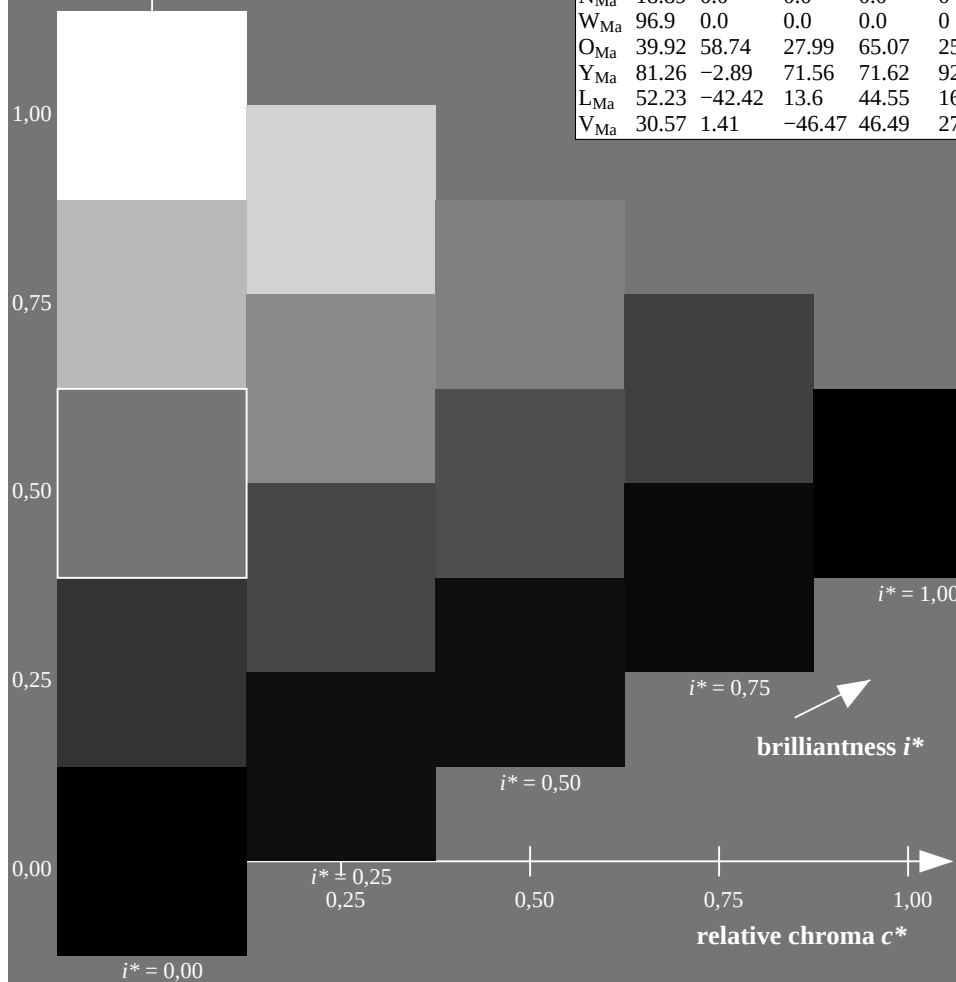
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

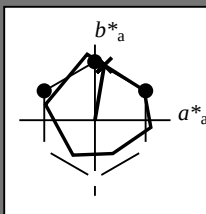
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

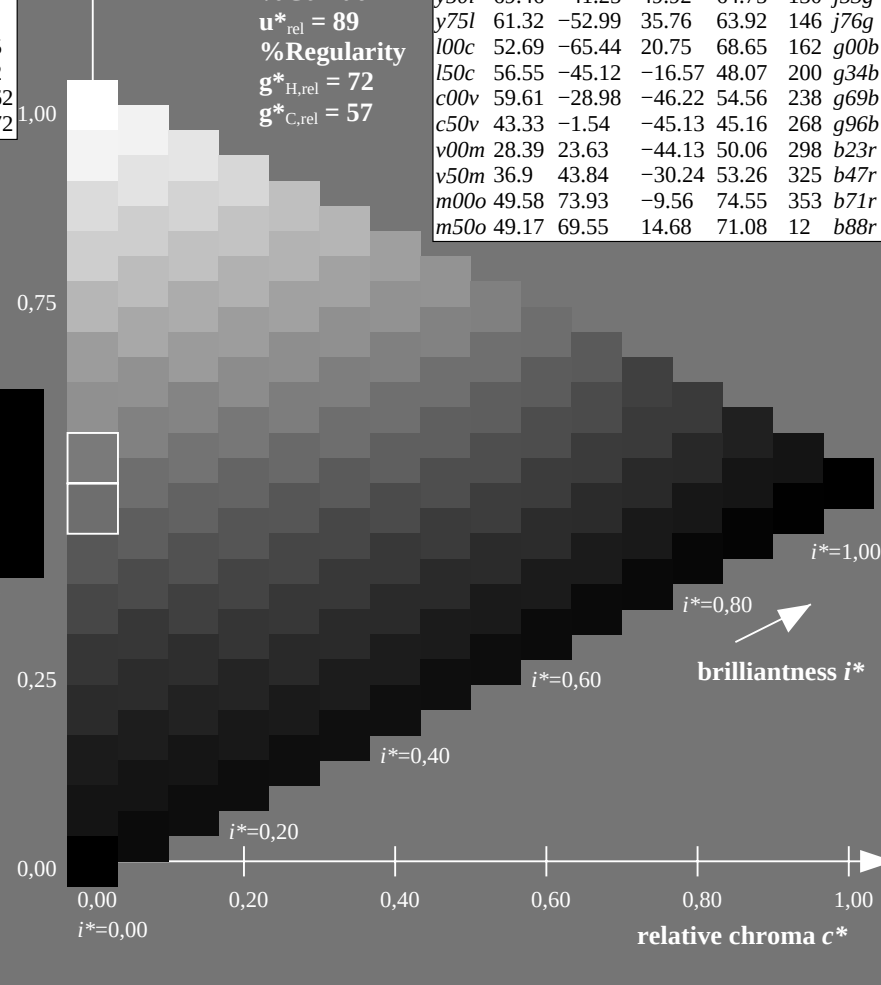
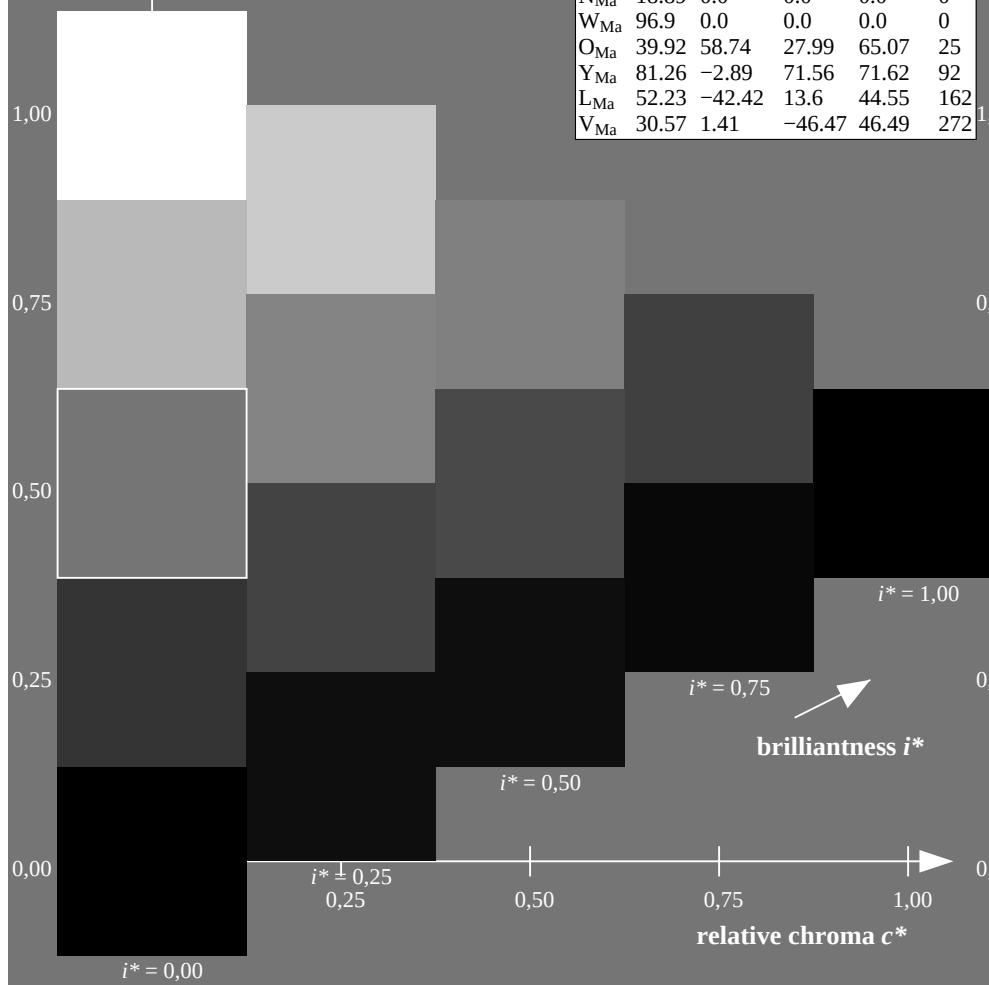
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

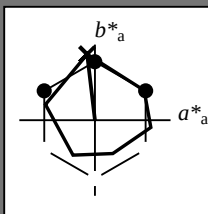
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

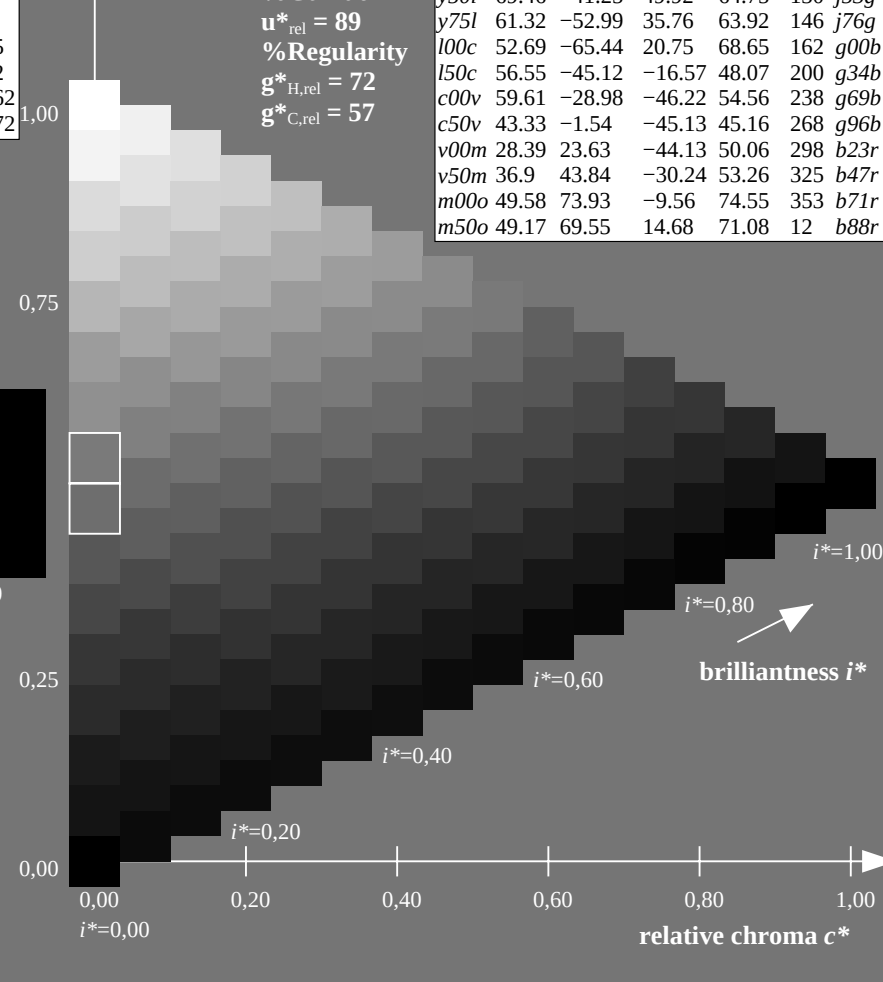
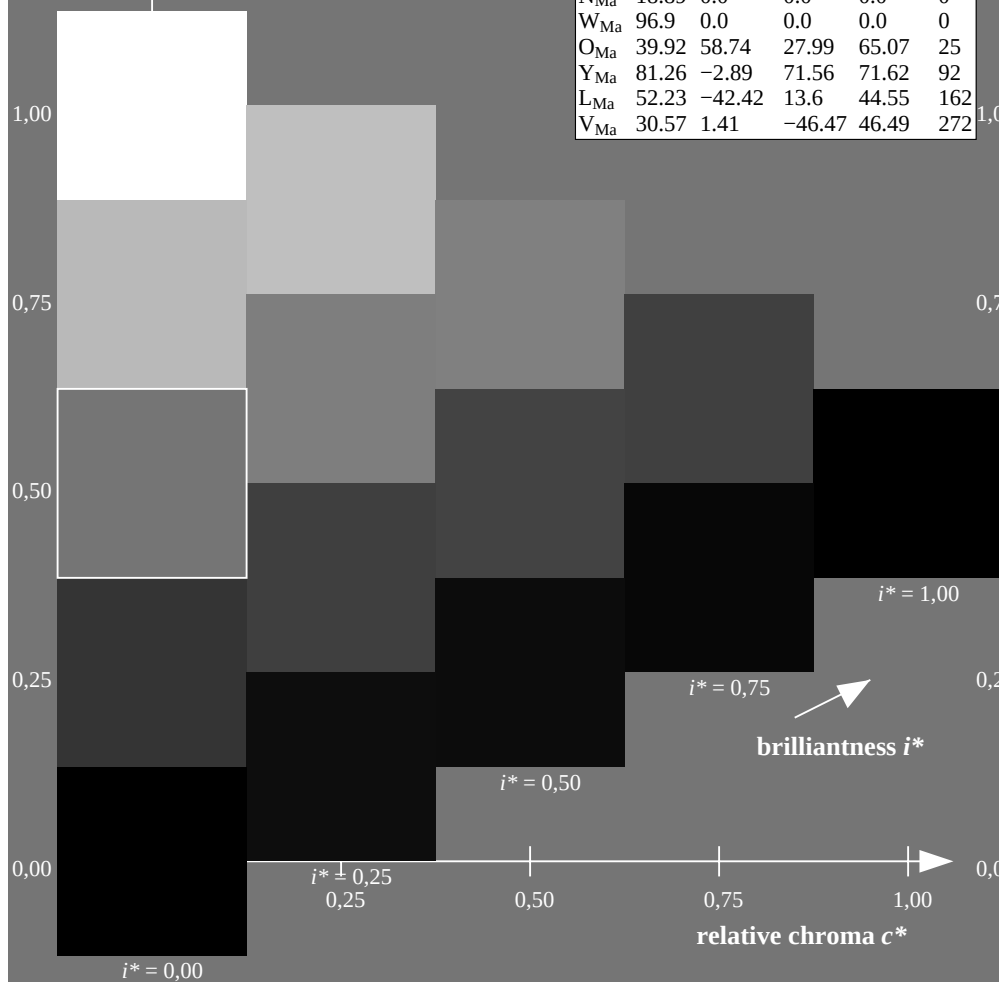
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

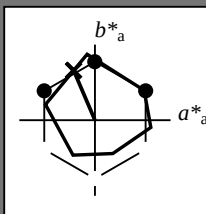
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 79 -28 66

$LAB^*LCH^*_{Ma}$: 79 72 113

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

$lab^*rgb^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

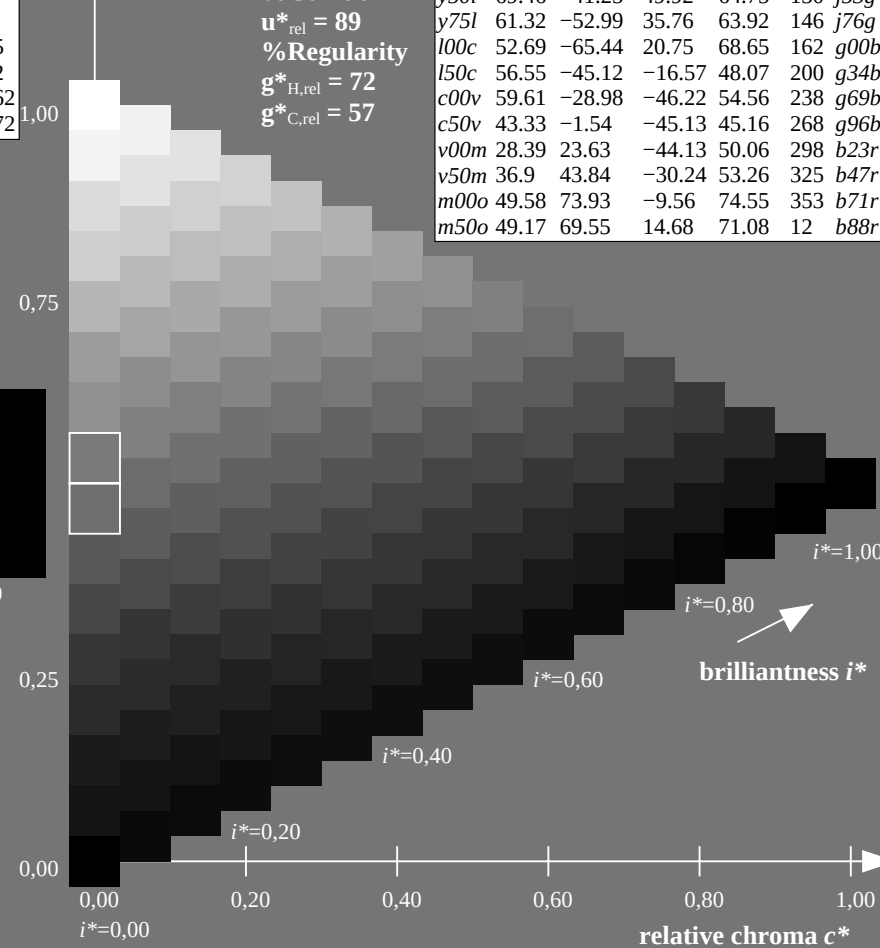
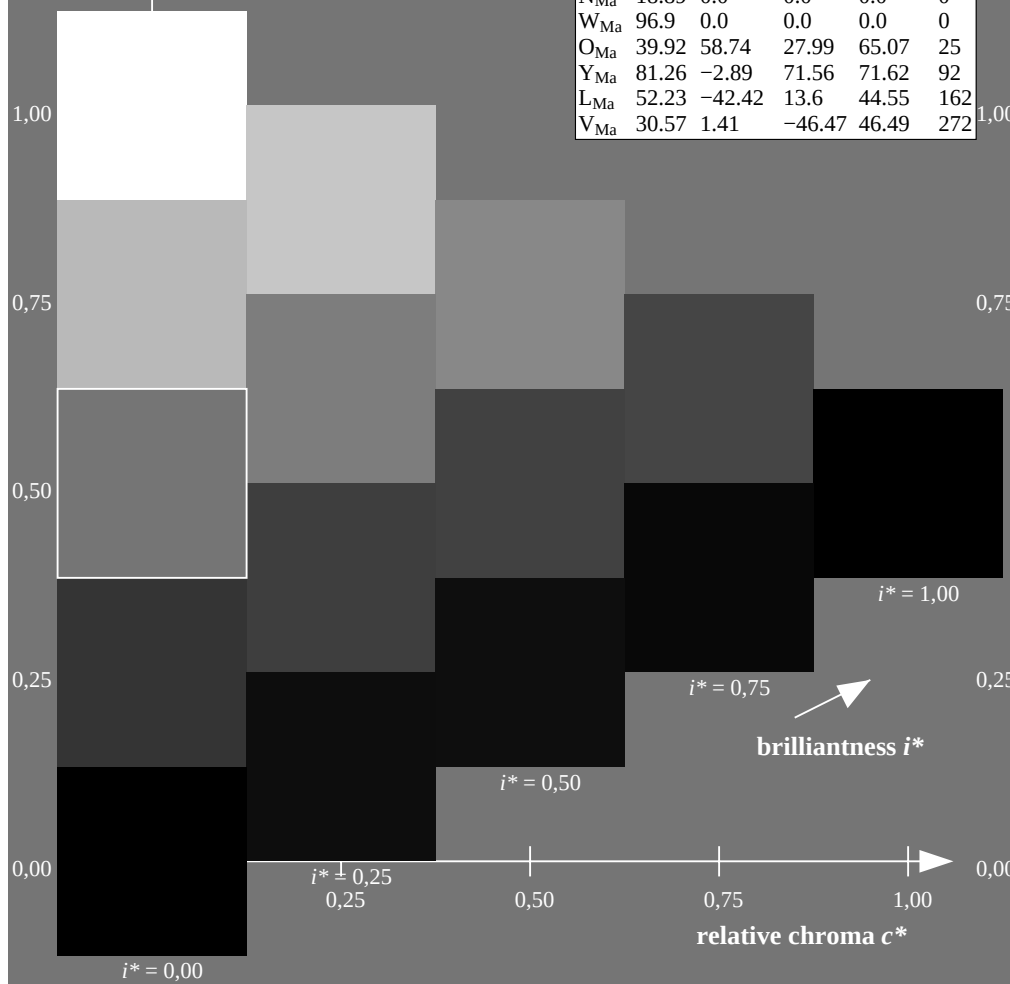
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

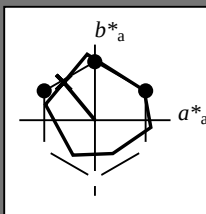
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

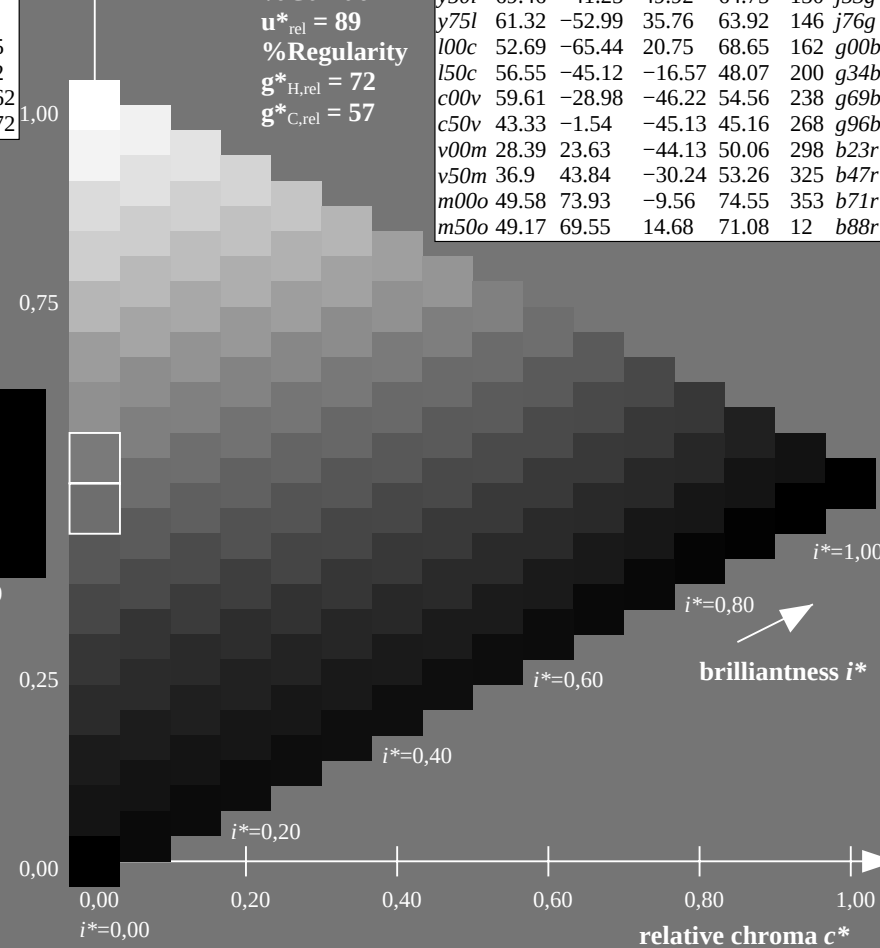
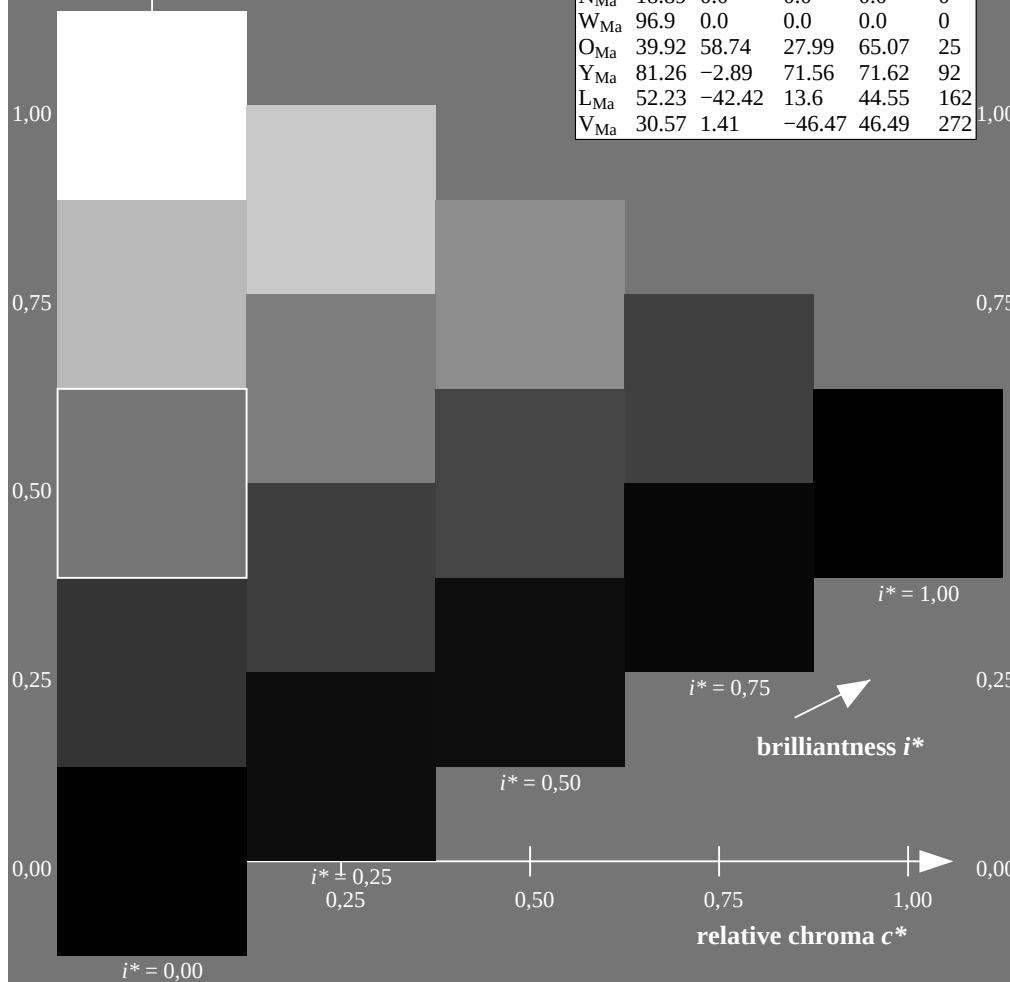
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

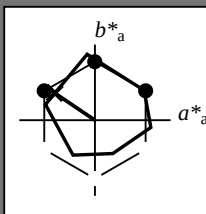
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

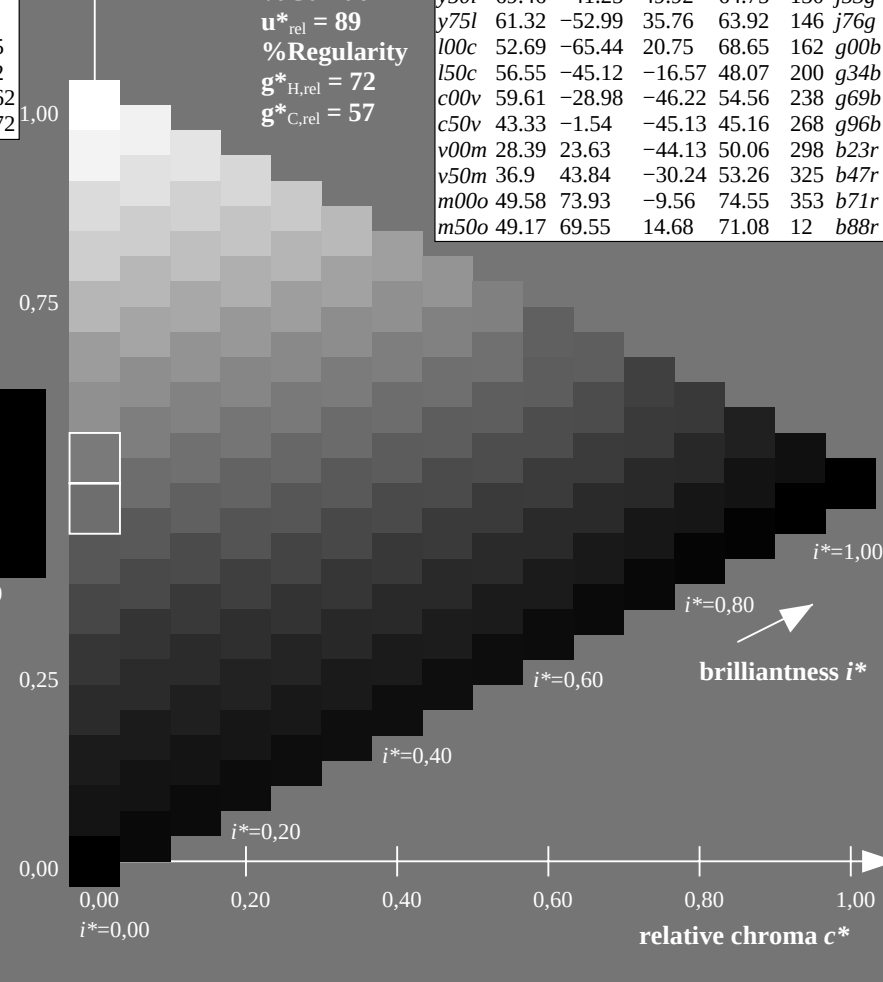
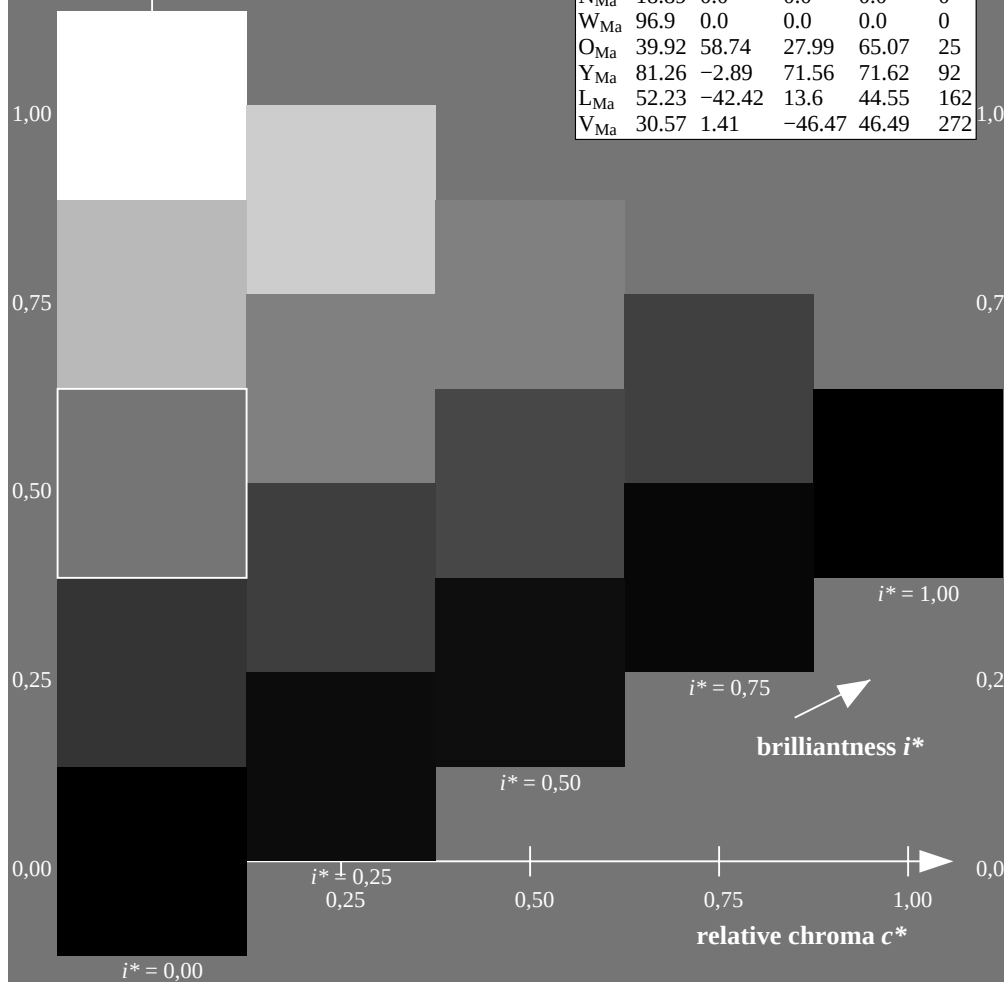
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

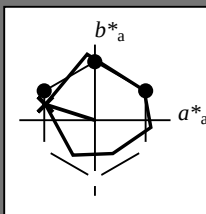
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

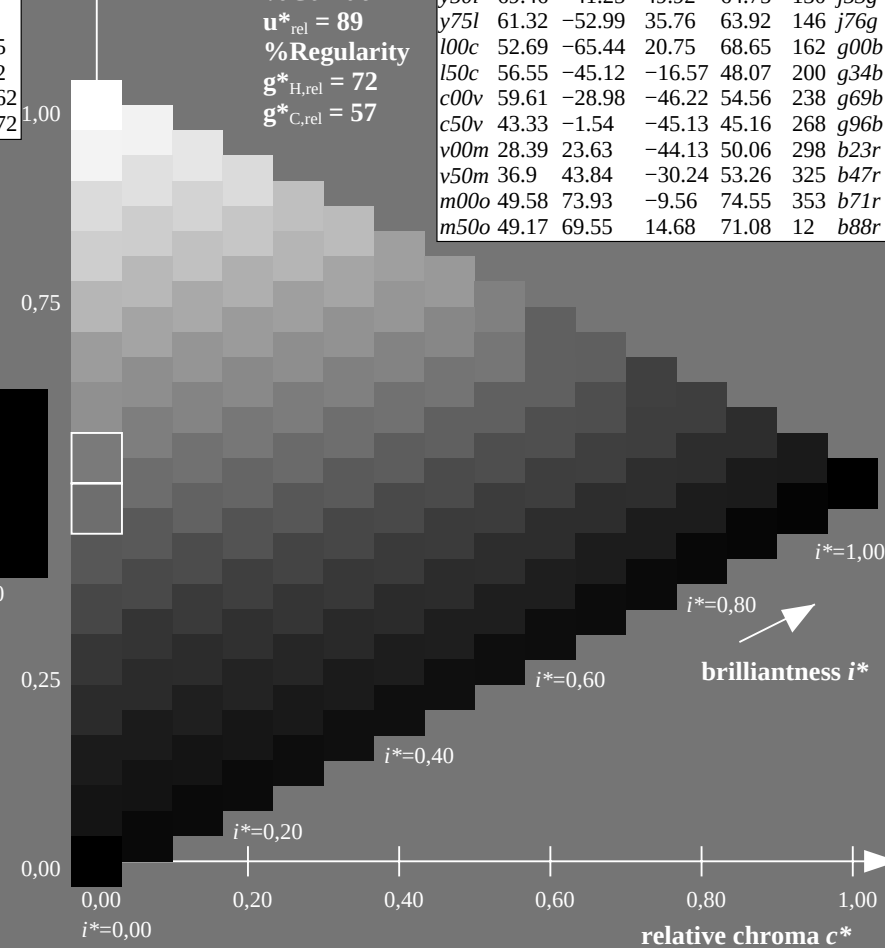
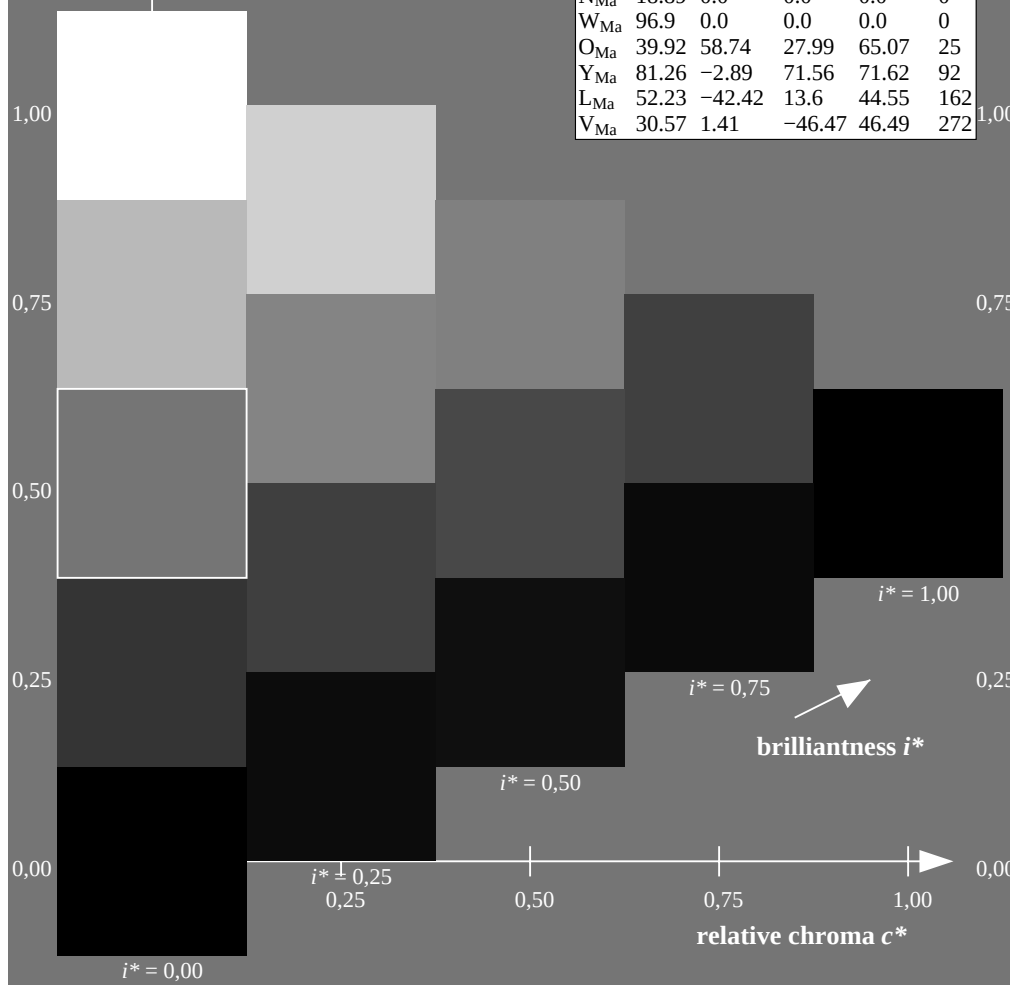
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

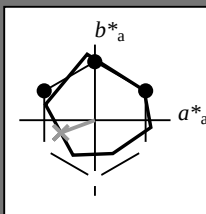
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

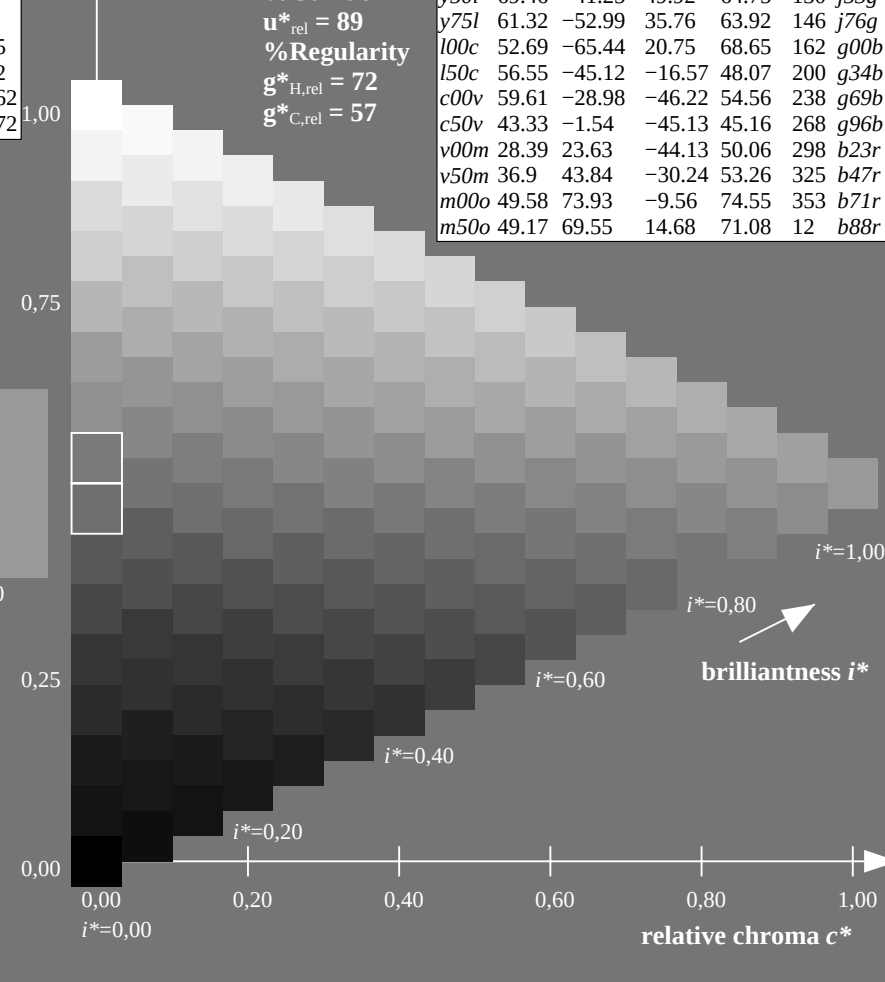
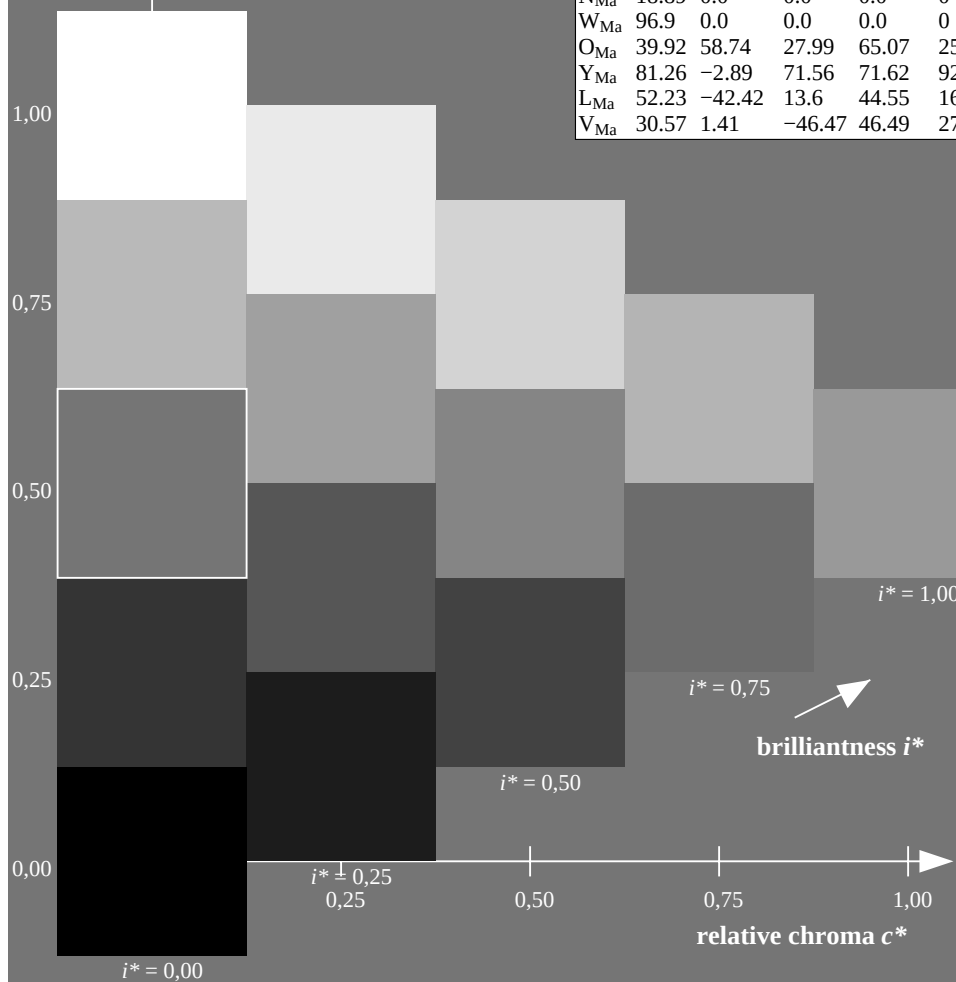
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

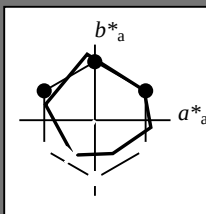
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

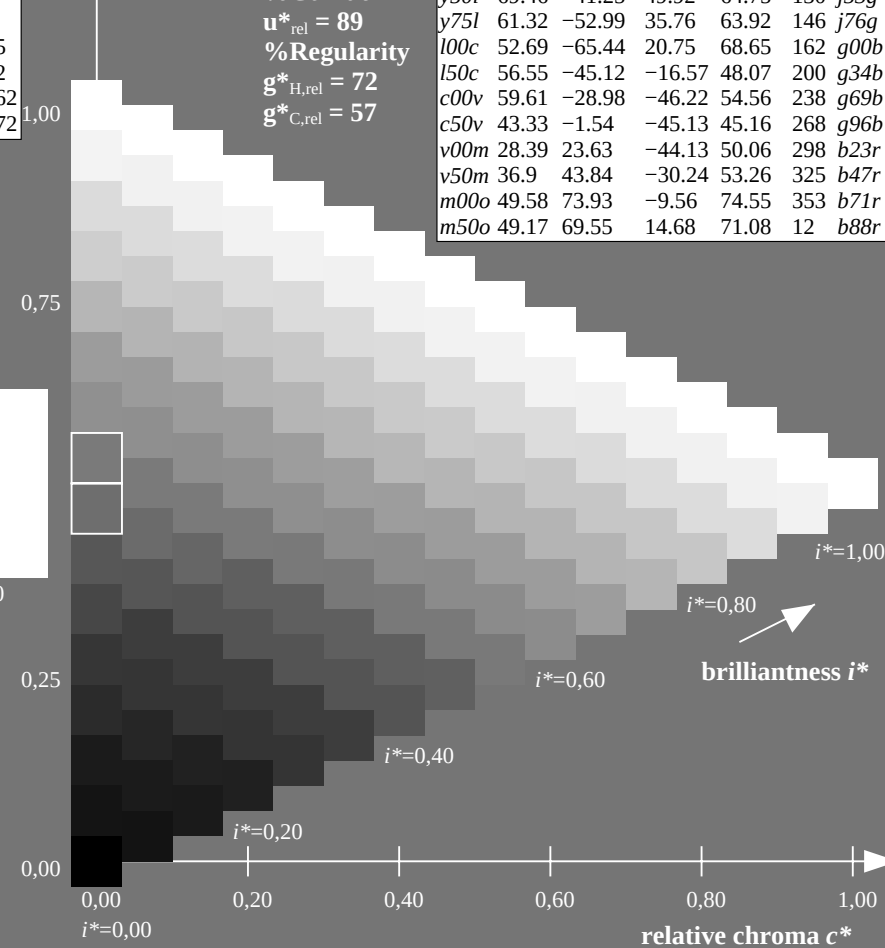
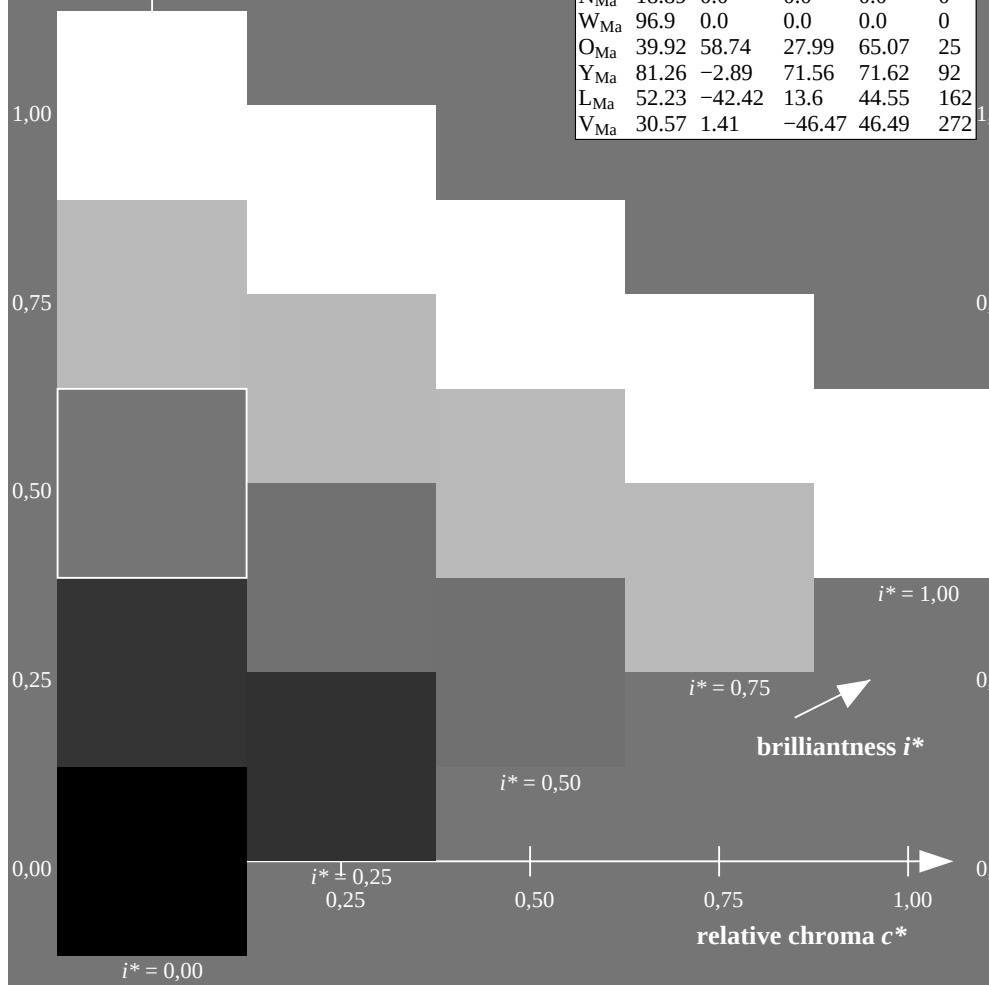
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c00v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

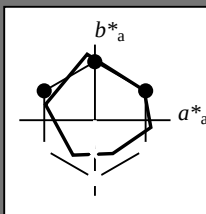
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

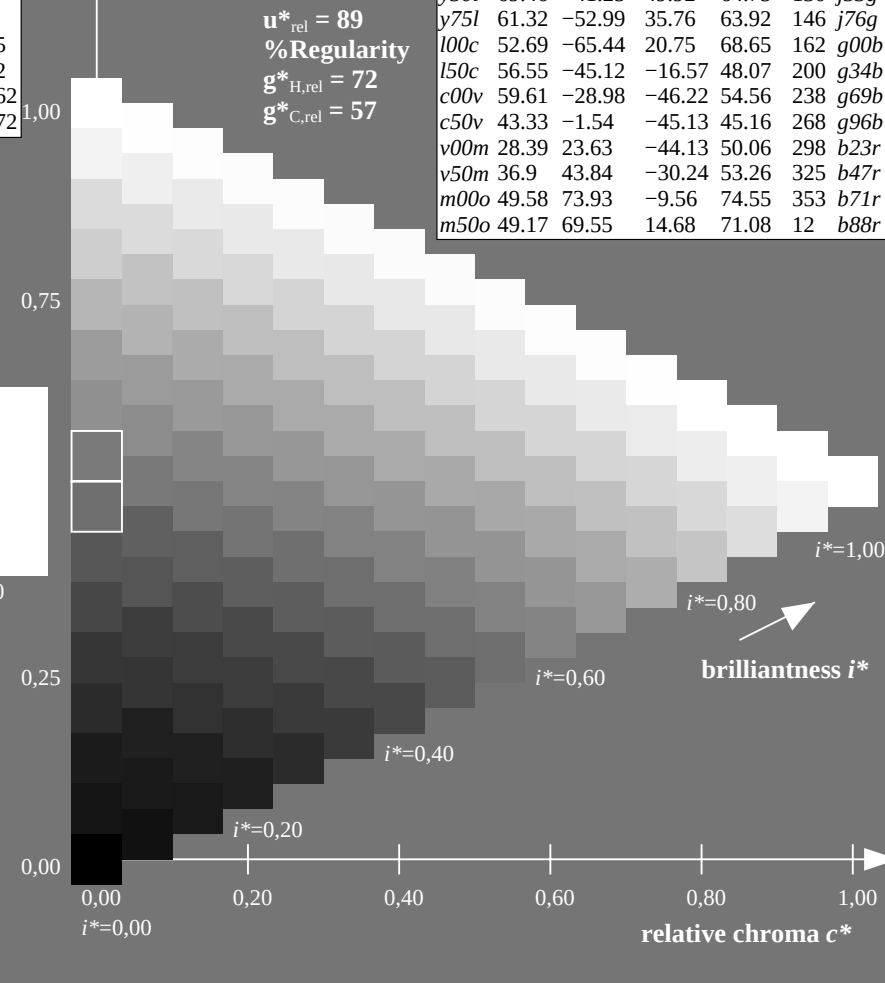
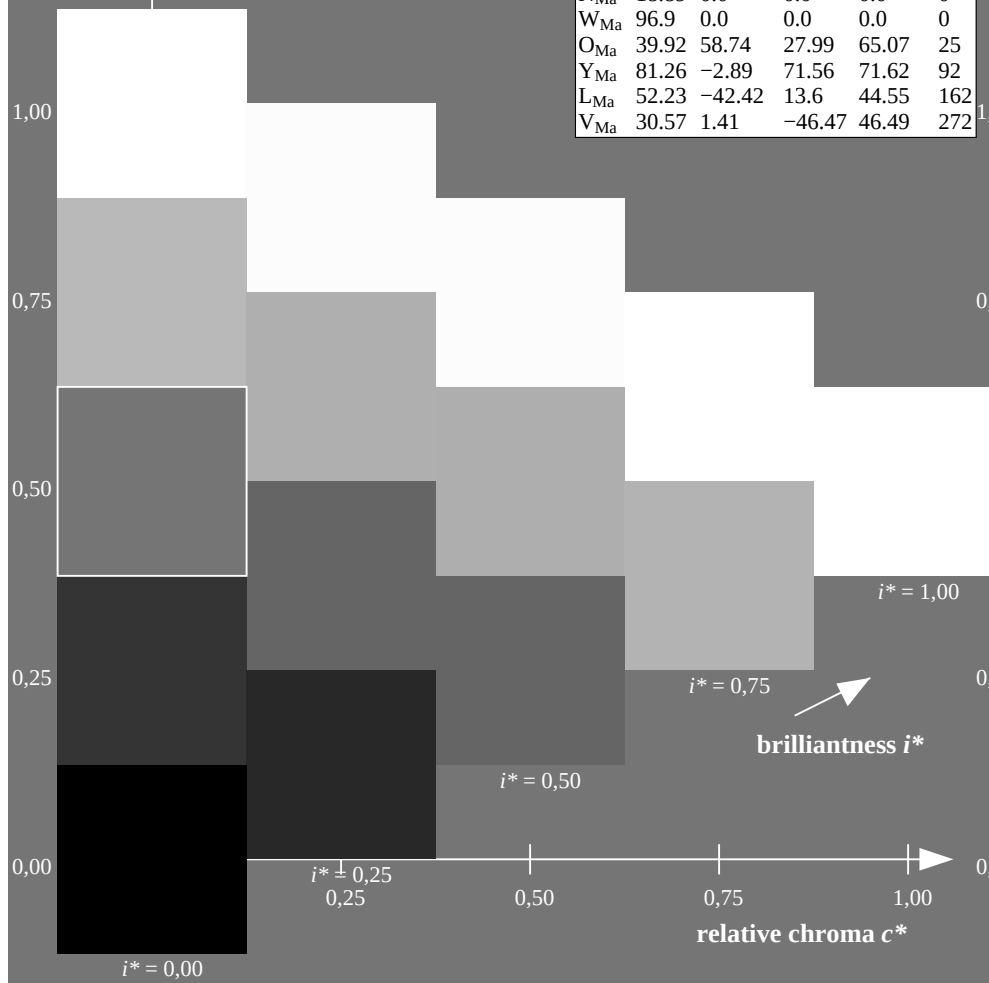
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

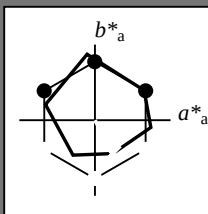
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

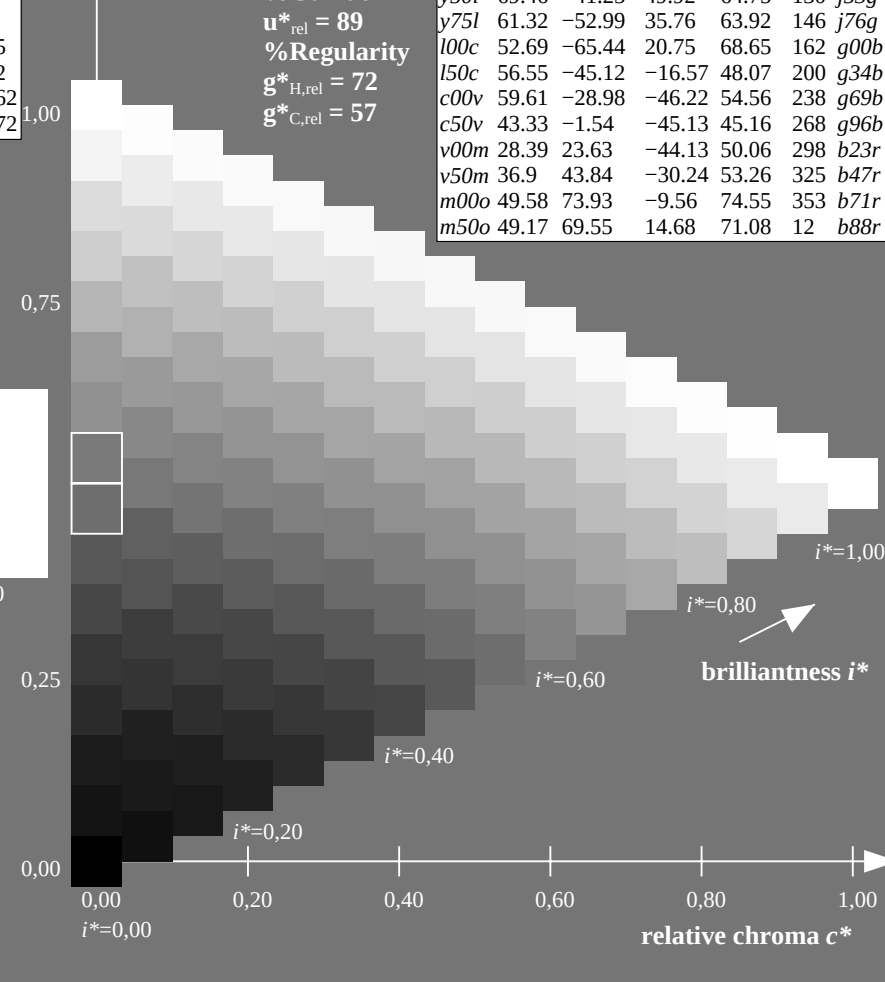
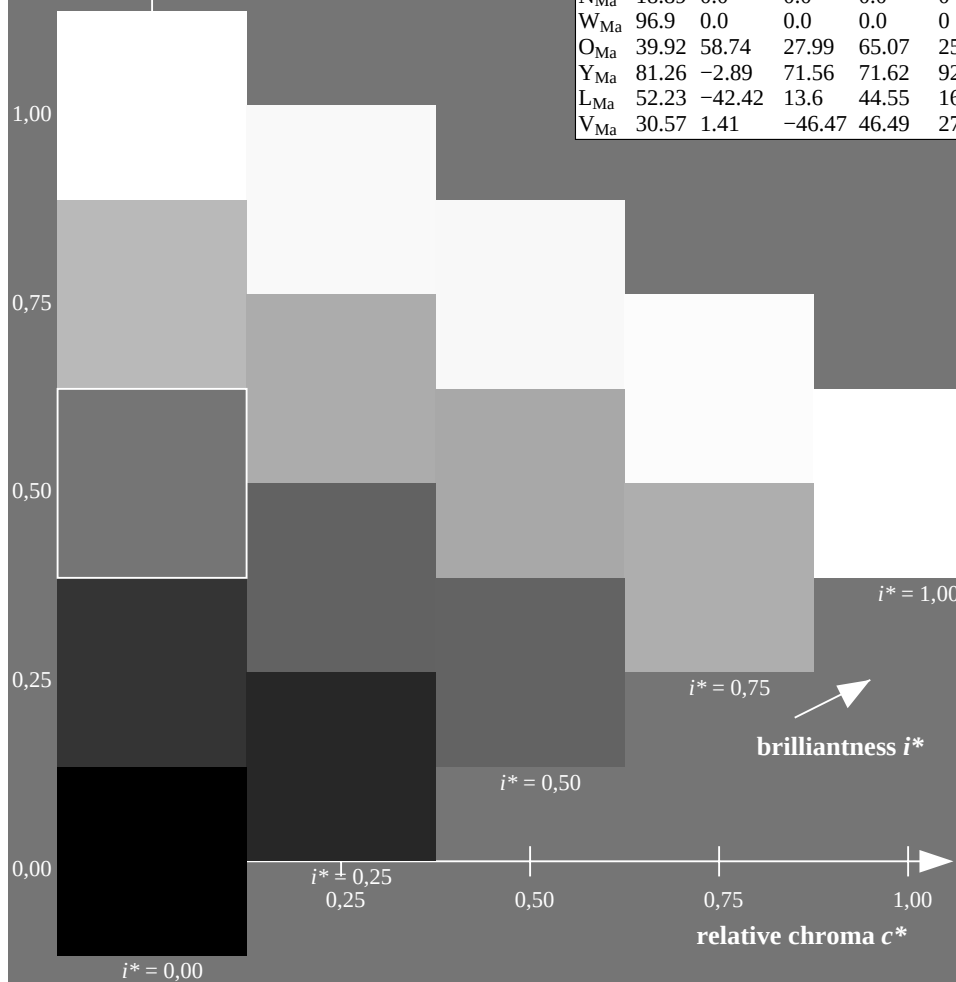
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

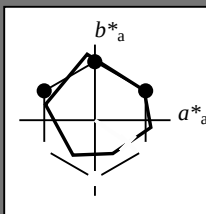
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

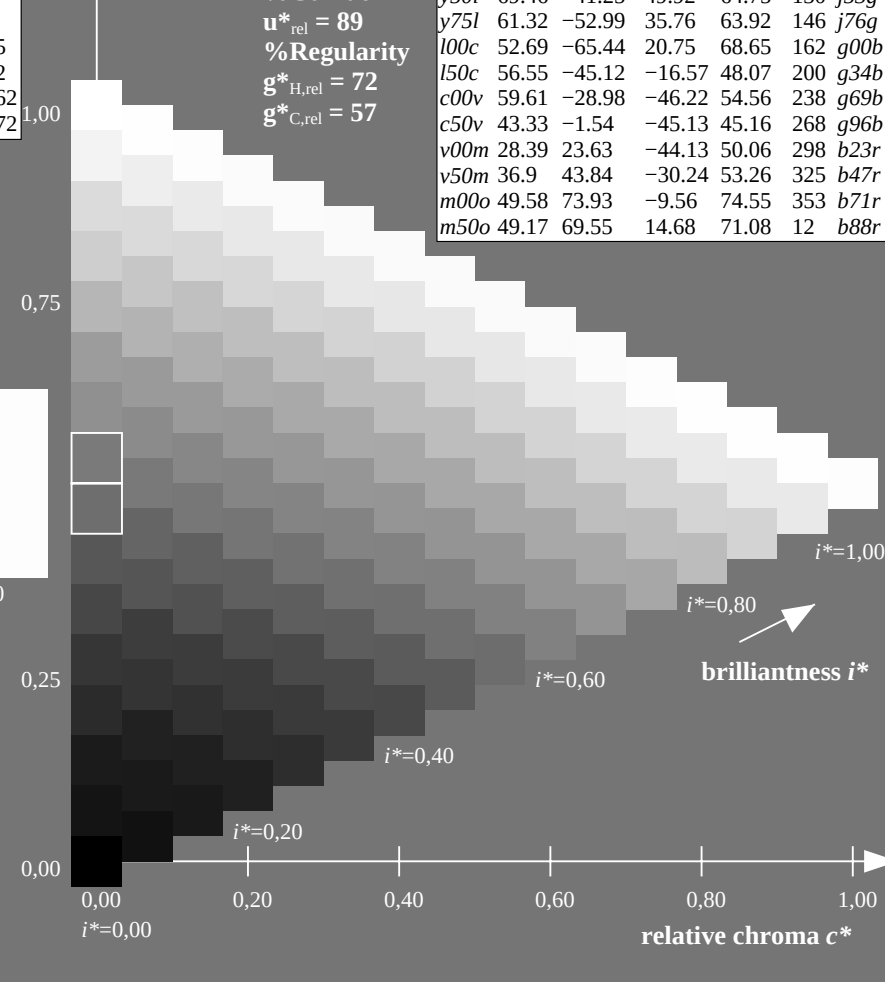
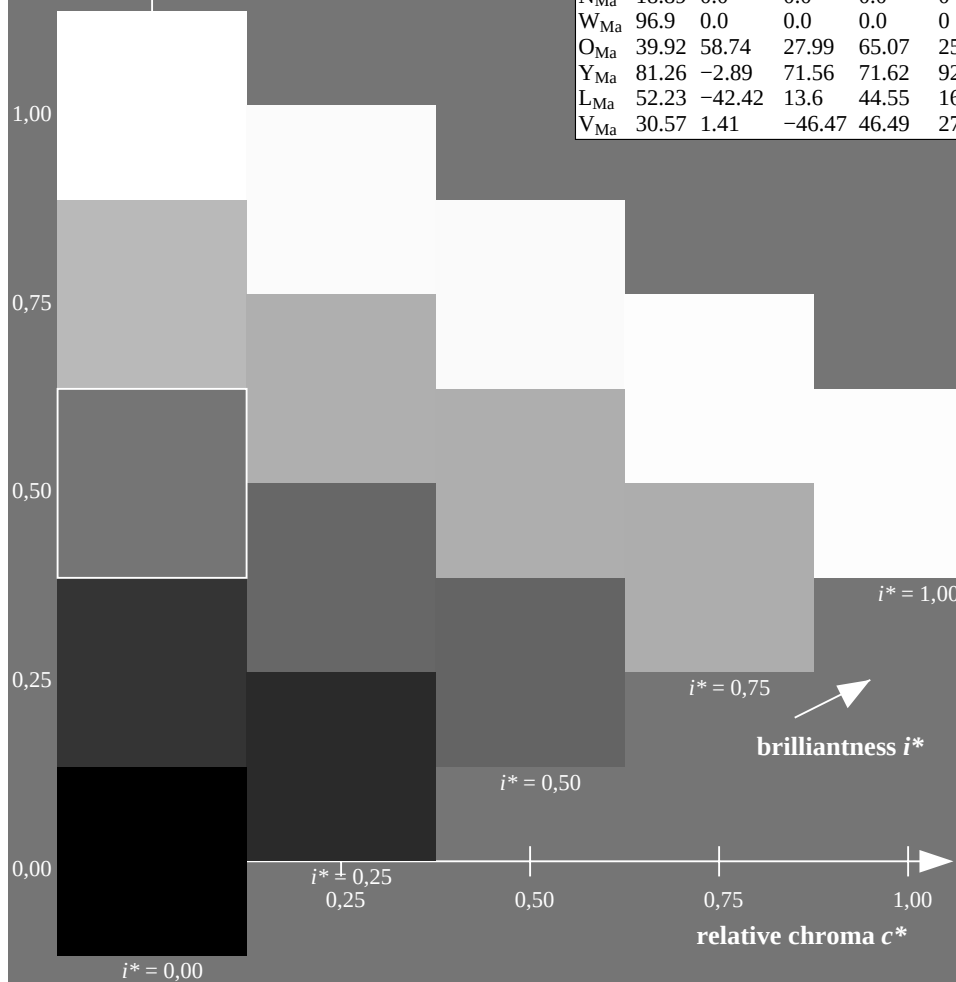
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v50m$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

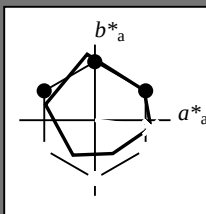
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

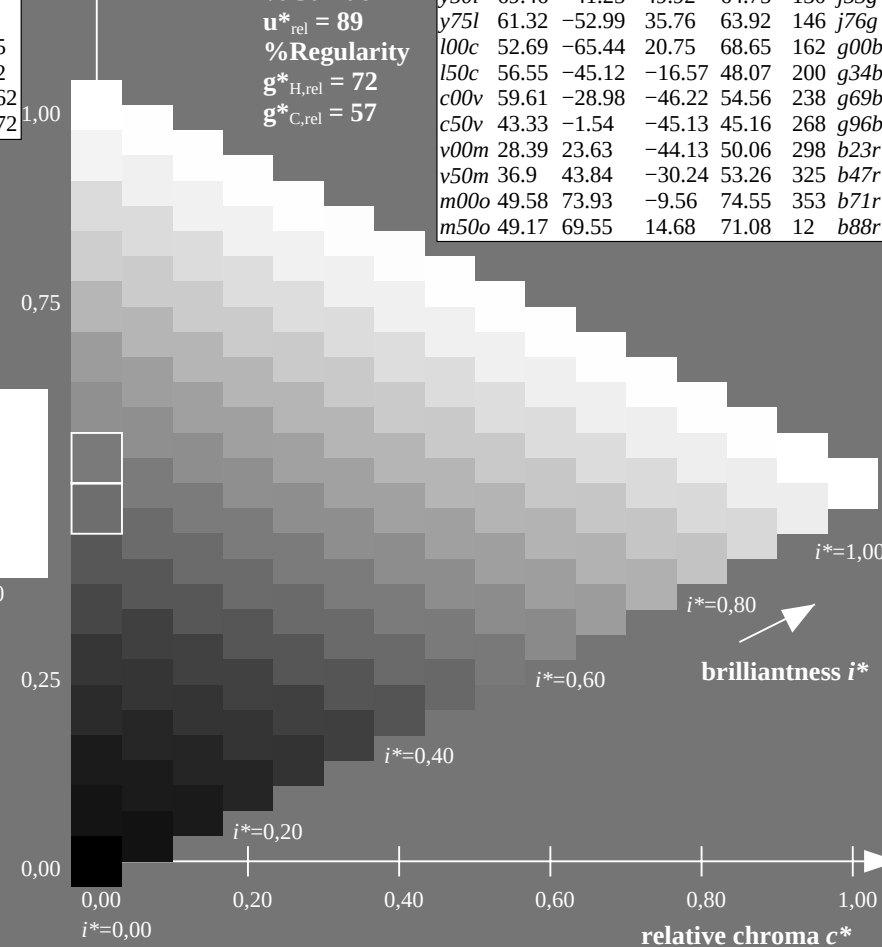
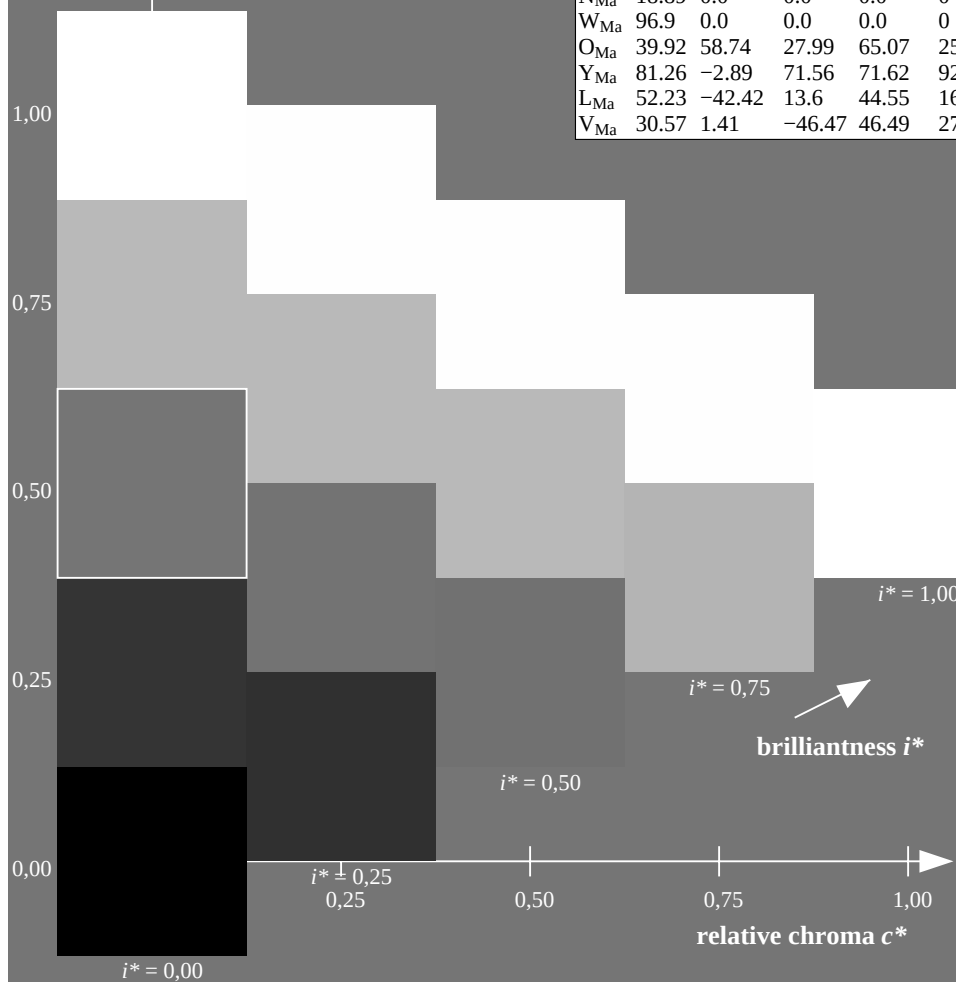
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

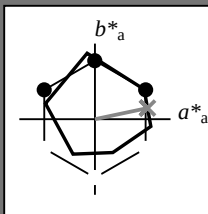
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

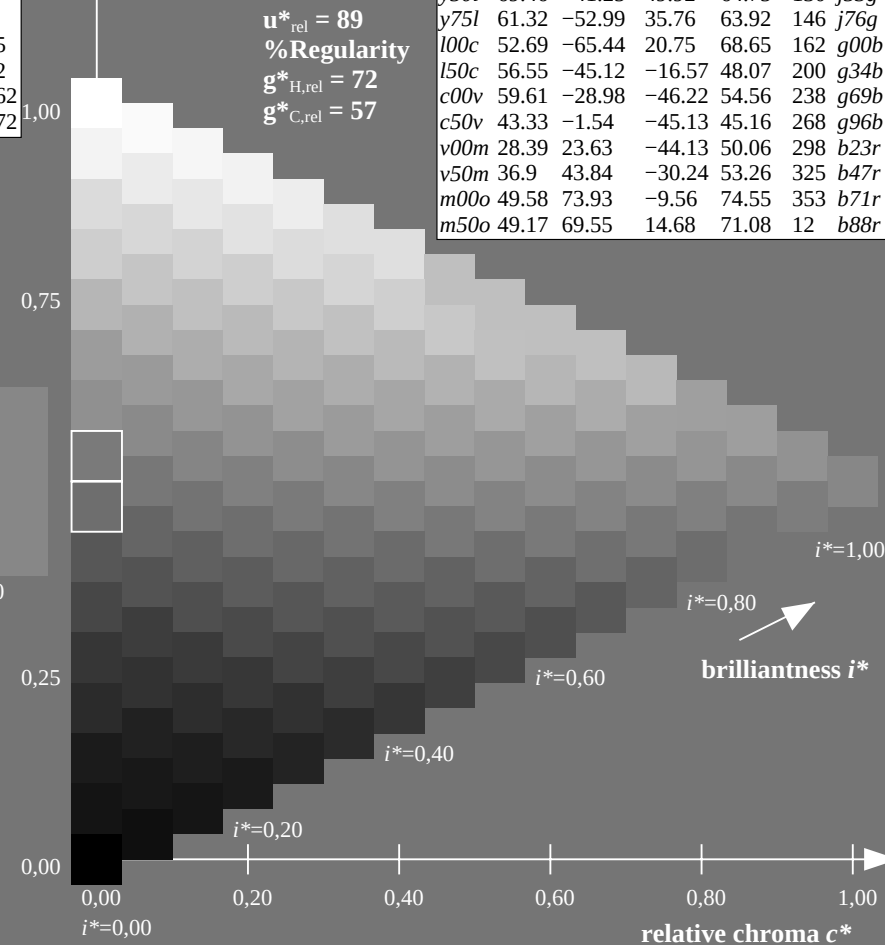
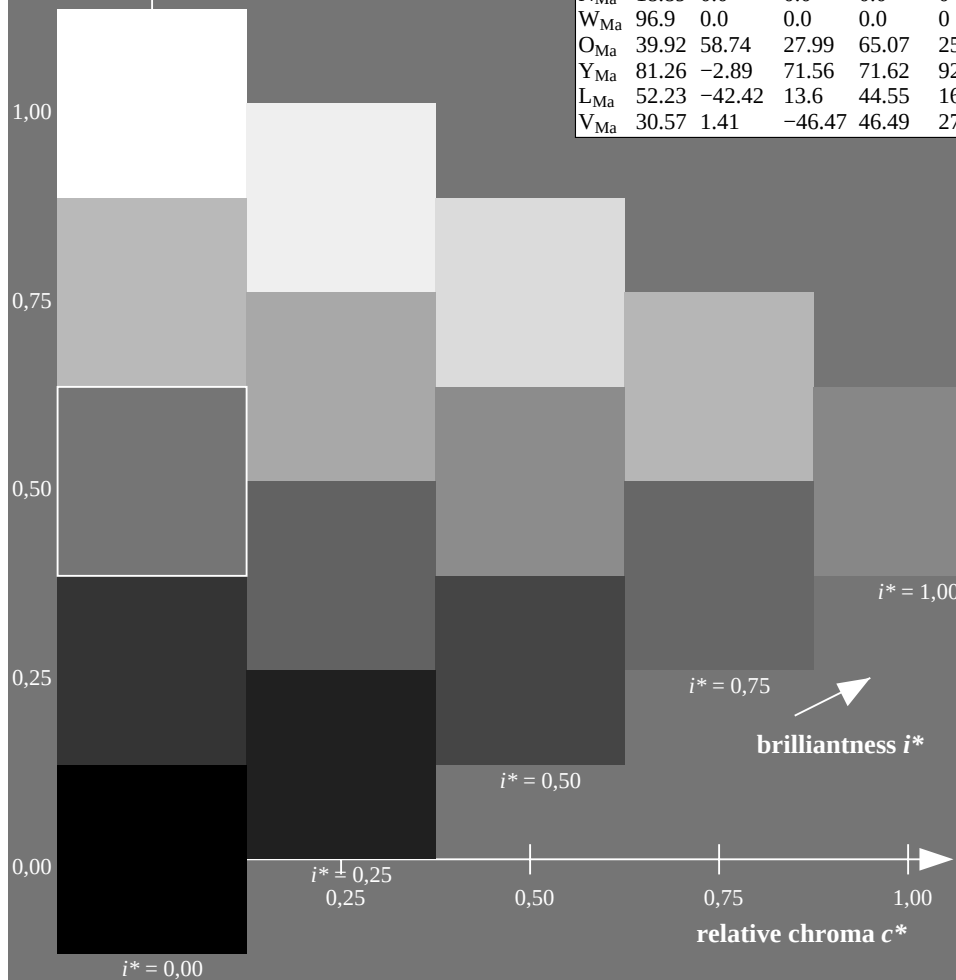
$g^*_{H,rel} = 72$

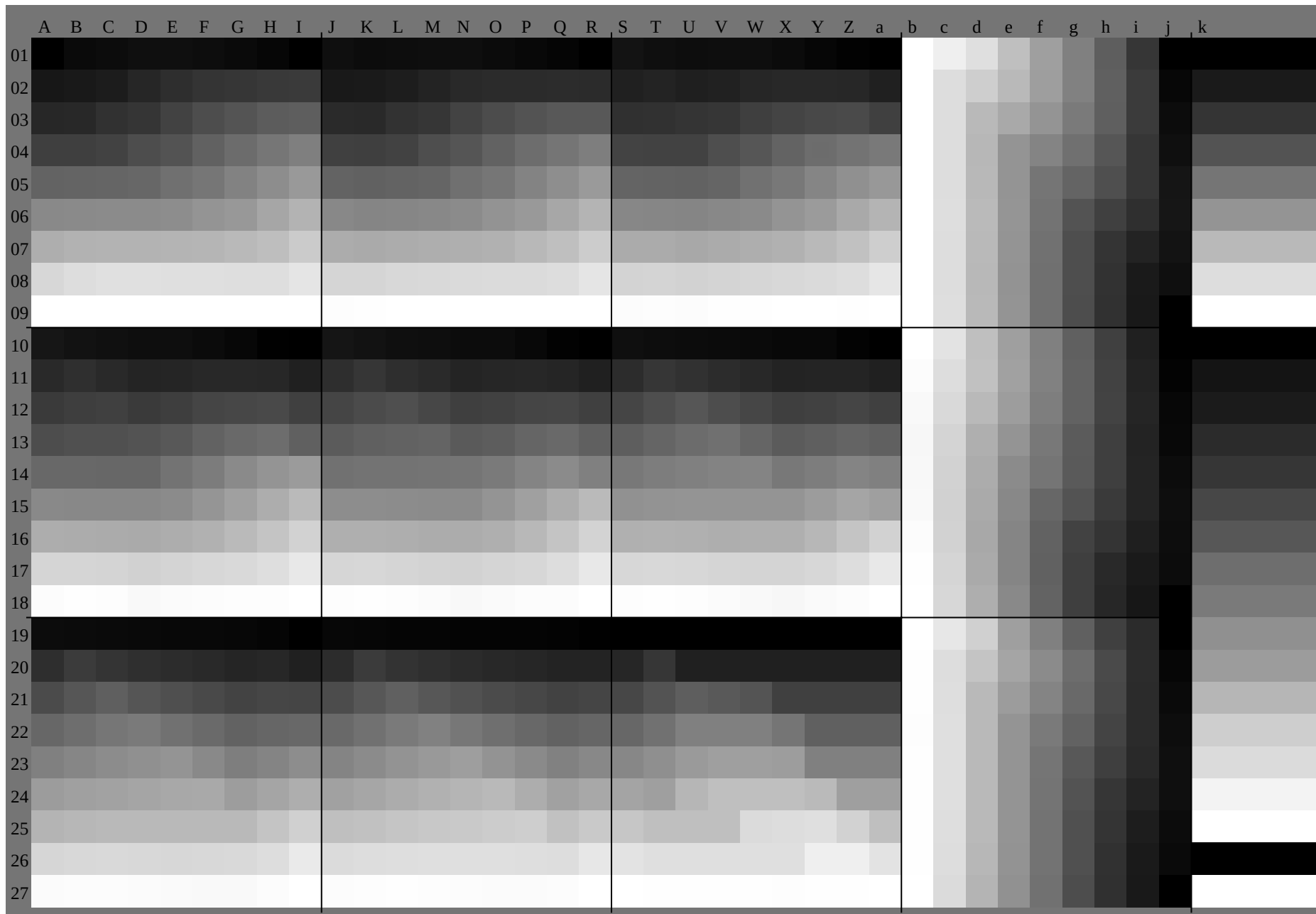
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$





Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Black separation empty

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

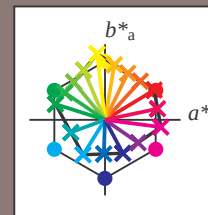
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

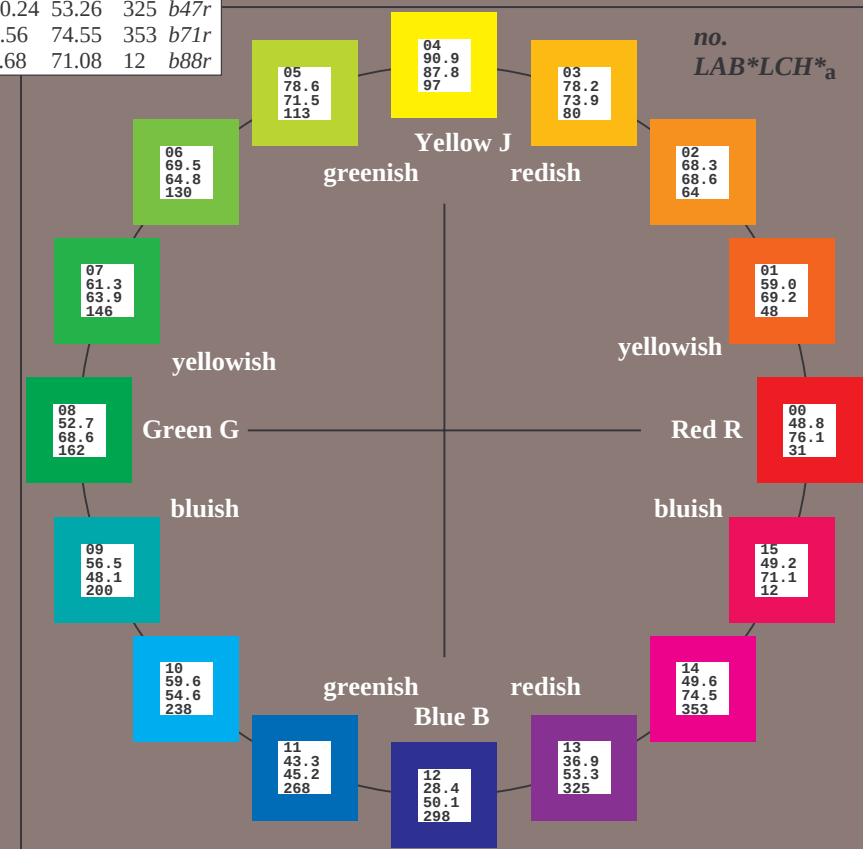
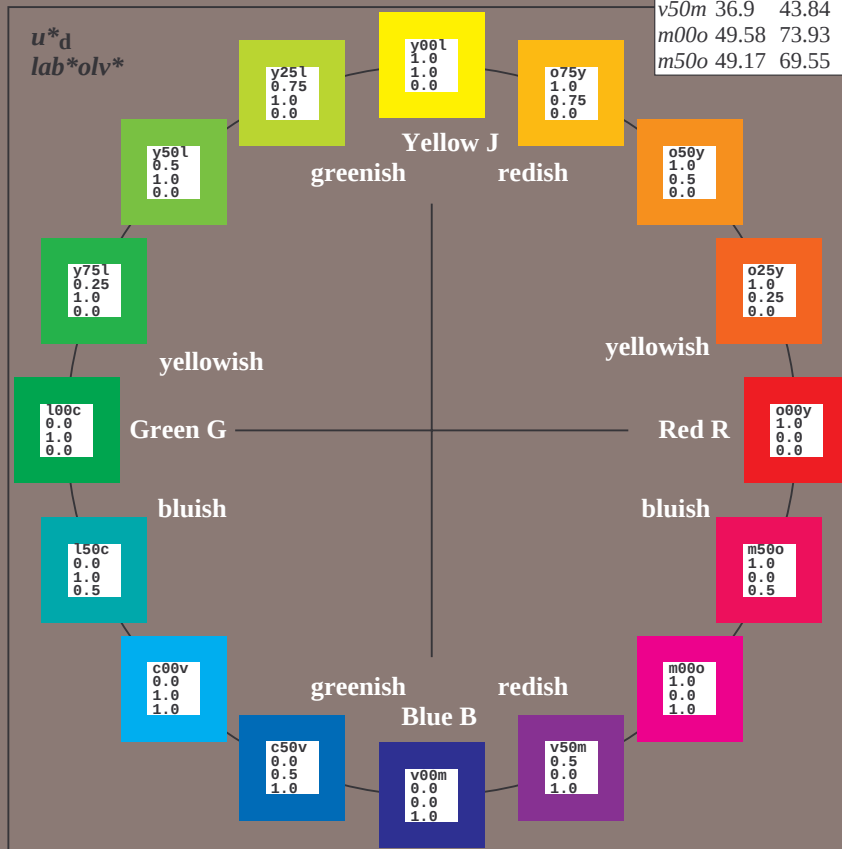
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

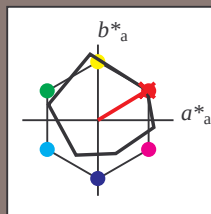
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$ data for any colour: Data for maximum colour (Ma):

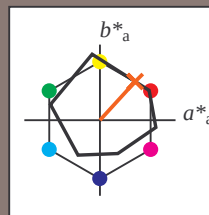
*u**_d = o25y
*lab***olv**

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

Hue texts:

$$u_d^* = 0.25v \quad u_e^* = 0.33j$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*5 : 59 47 51

LAB LAB*Ma. 59 47 51
LAB*LGII* 59 69 45

LAB*LCH*Ma: 59 69 47

lab*olv*Ma: 1.0 0.25 0.0

*lab*rqb**Ma: 1.0 0.33 0.0

triangle lightness t^*

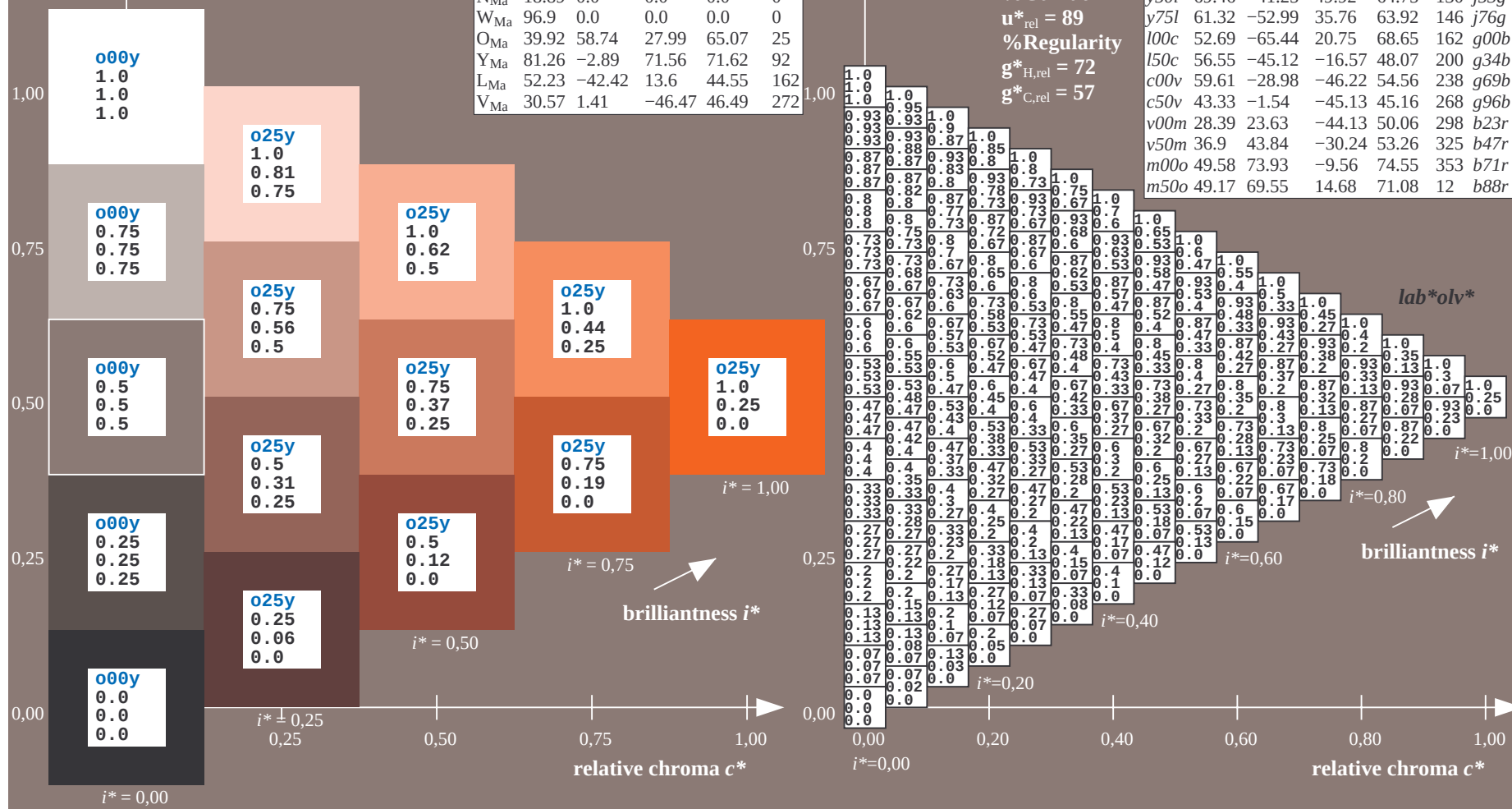
%Gamut

$$\mathbf{u}_{\text{ref}}^* = 89$$

%Regularity

$$g_{\text{H rel}}^* = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM registration: 20081001-Ee4410L/L44E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

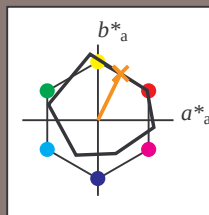
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

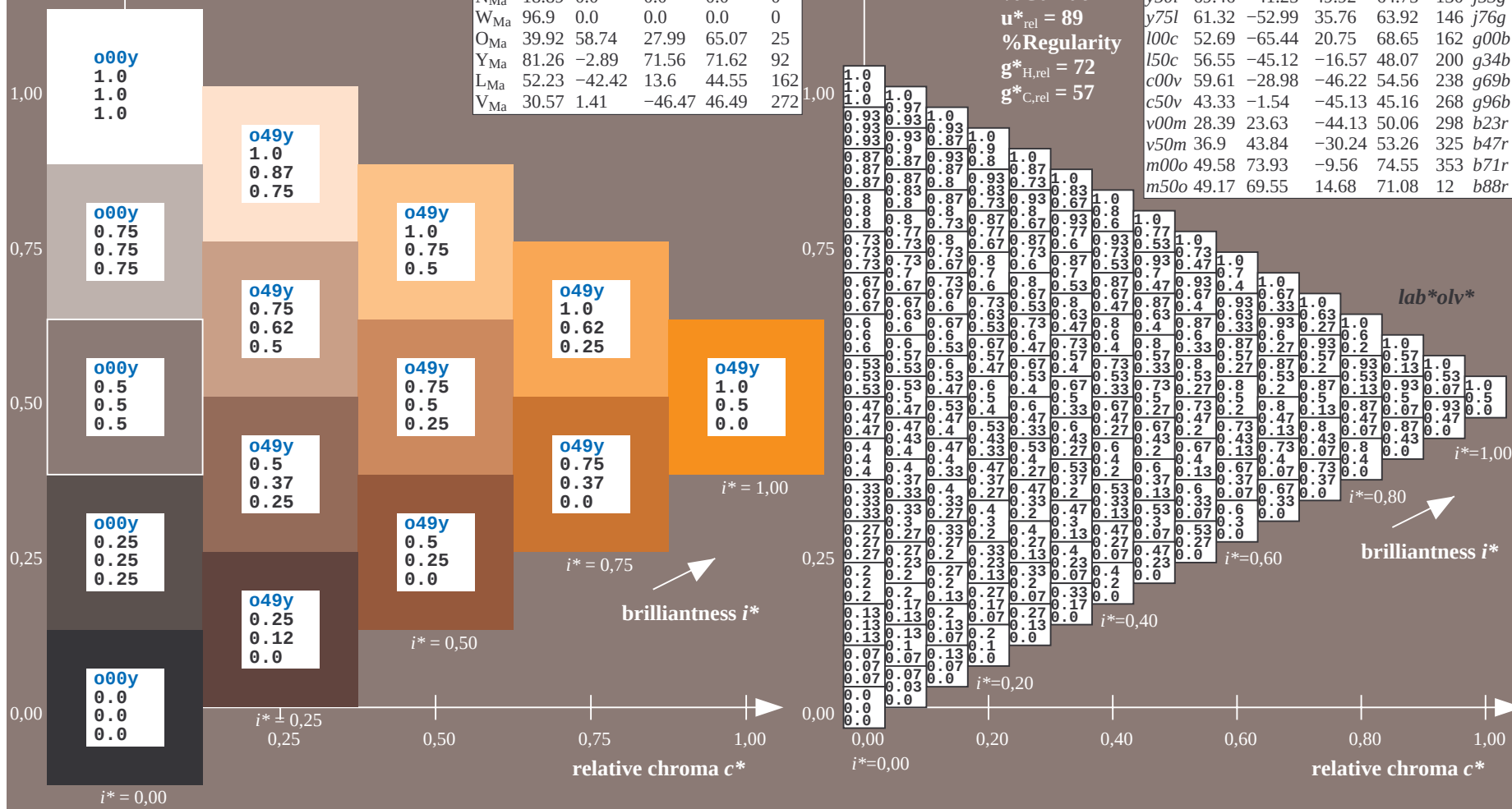
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

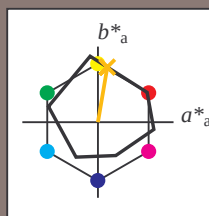
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 78 12 73

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 78 74 80

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

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

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

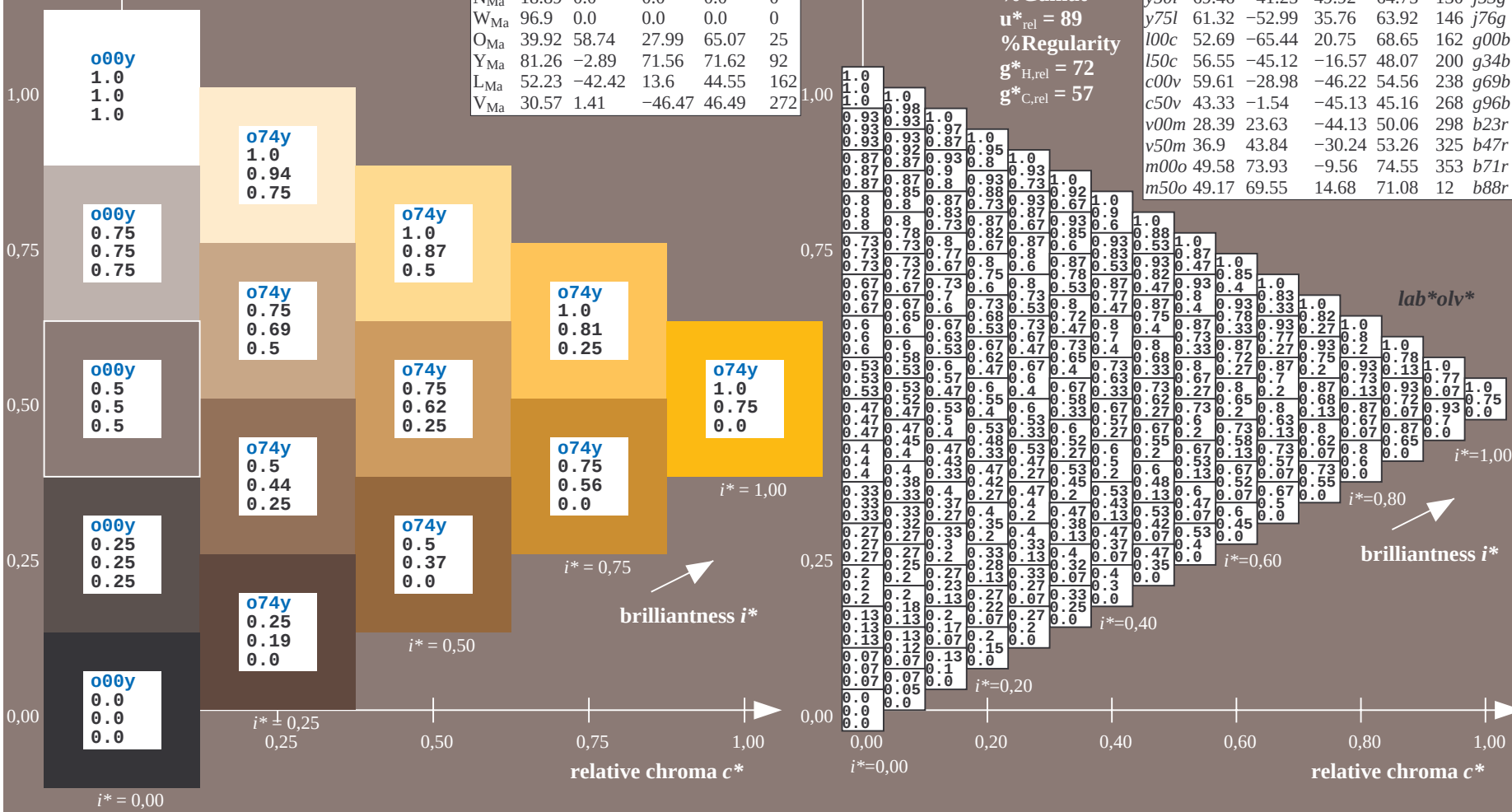
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = o75y$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

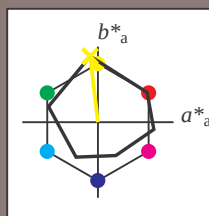
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

% Gamut

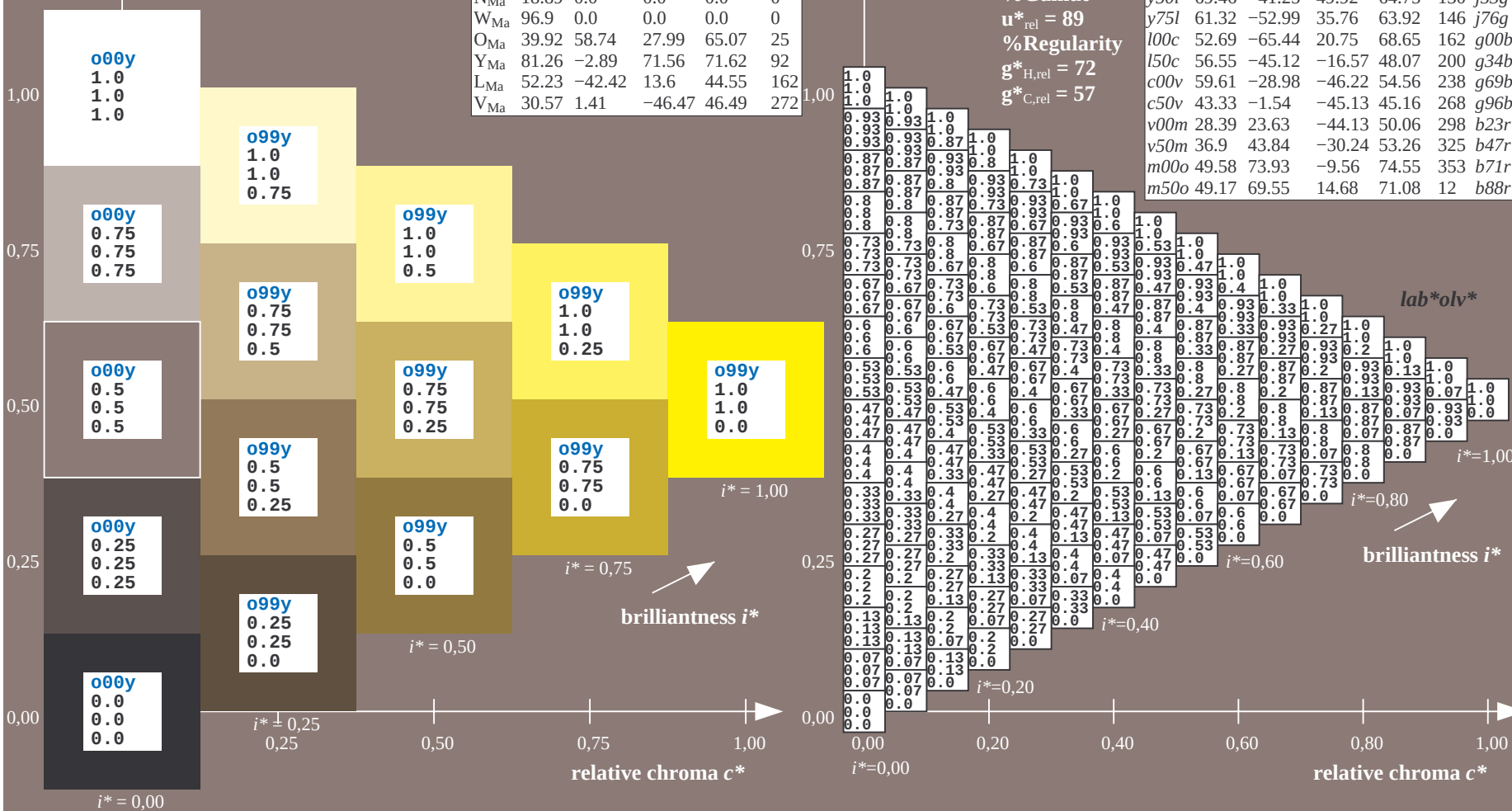
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

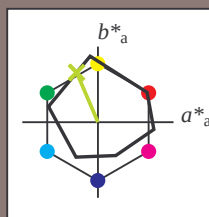
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

% Gamut

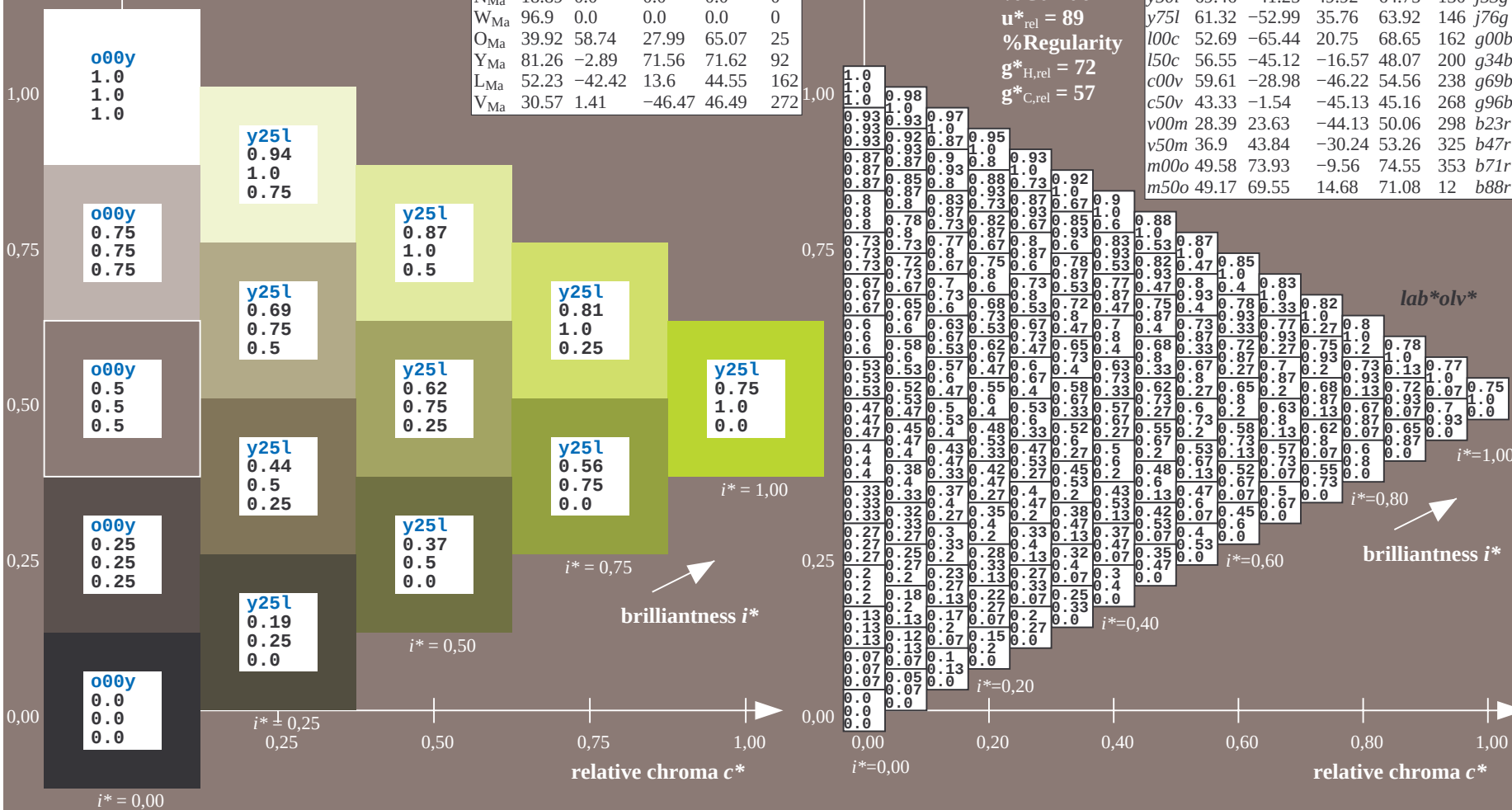
$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

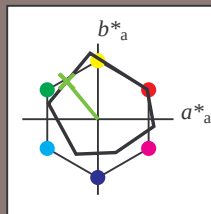
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

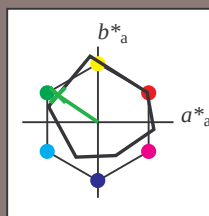
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

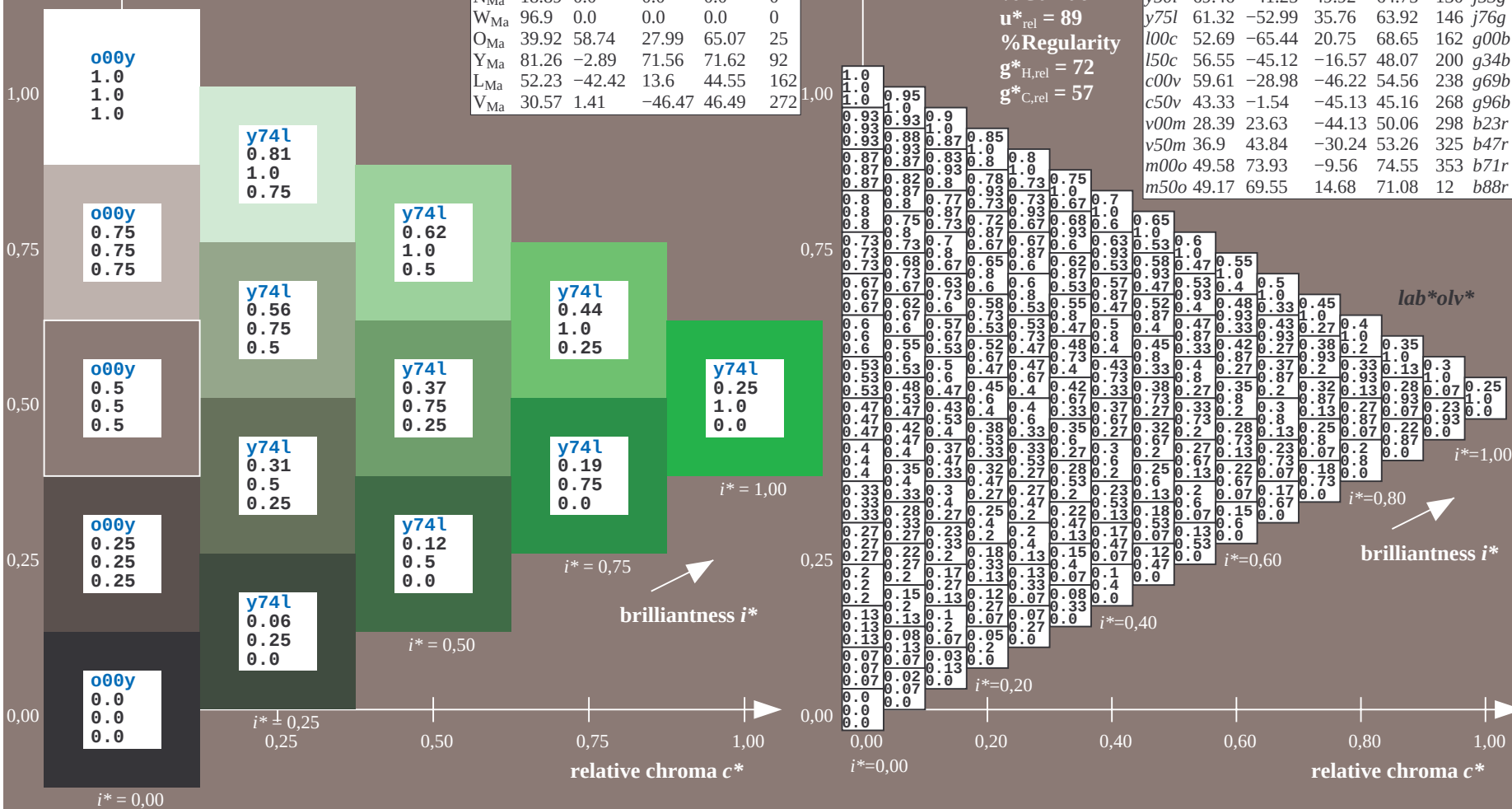
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

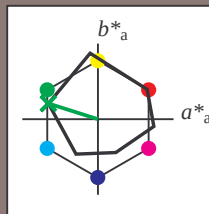
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

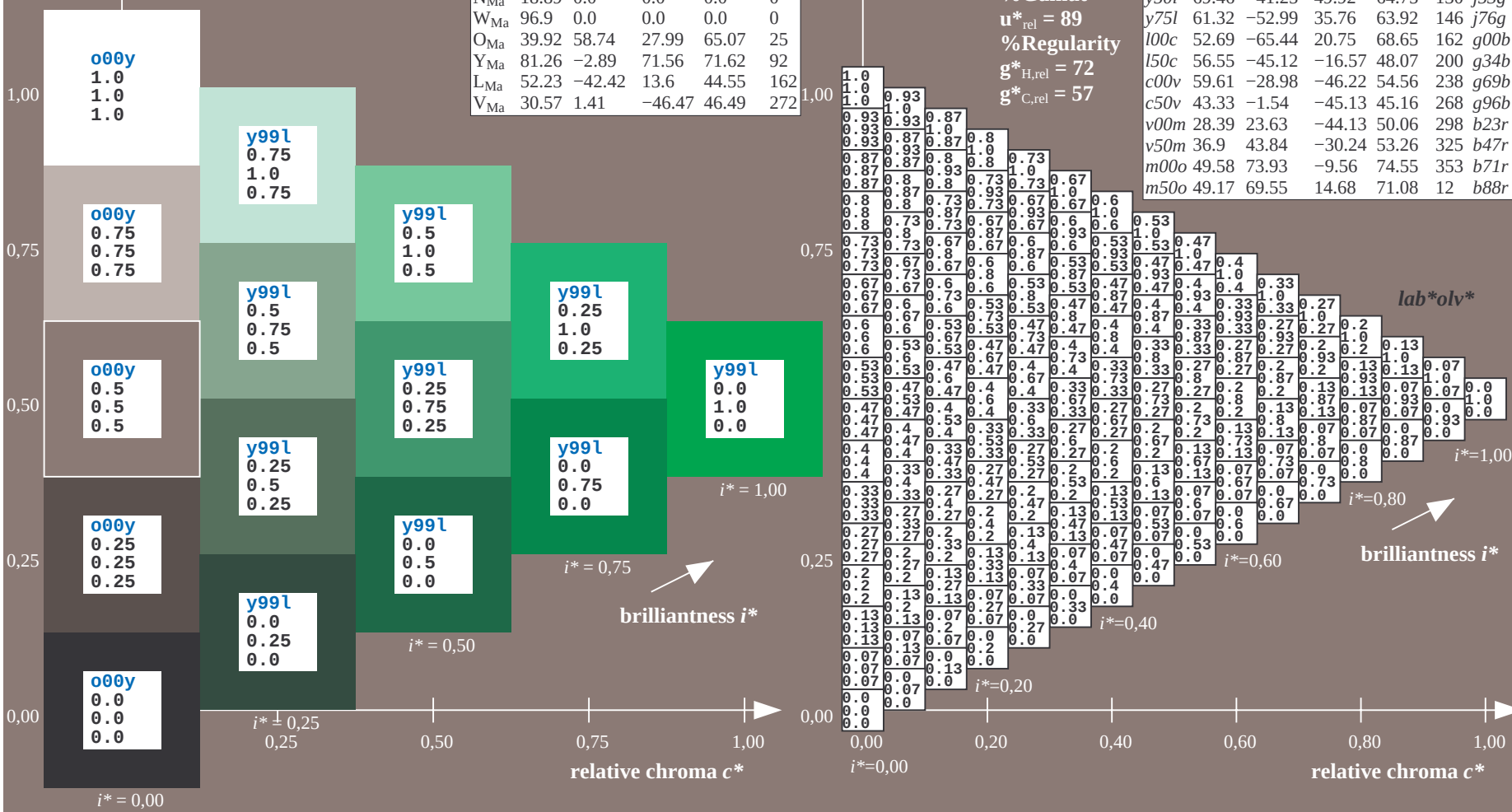
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = 100c$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

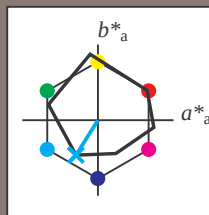
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

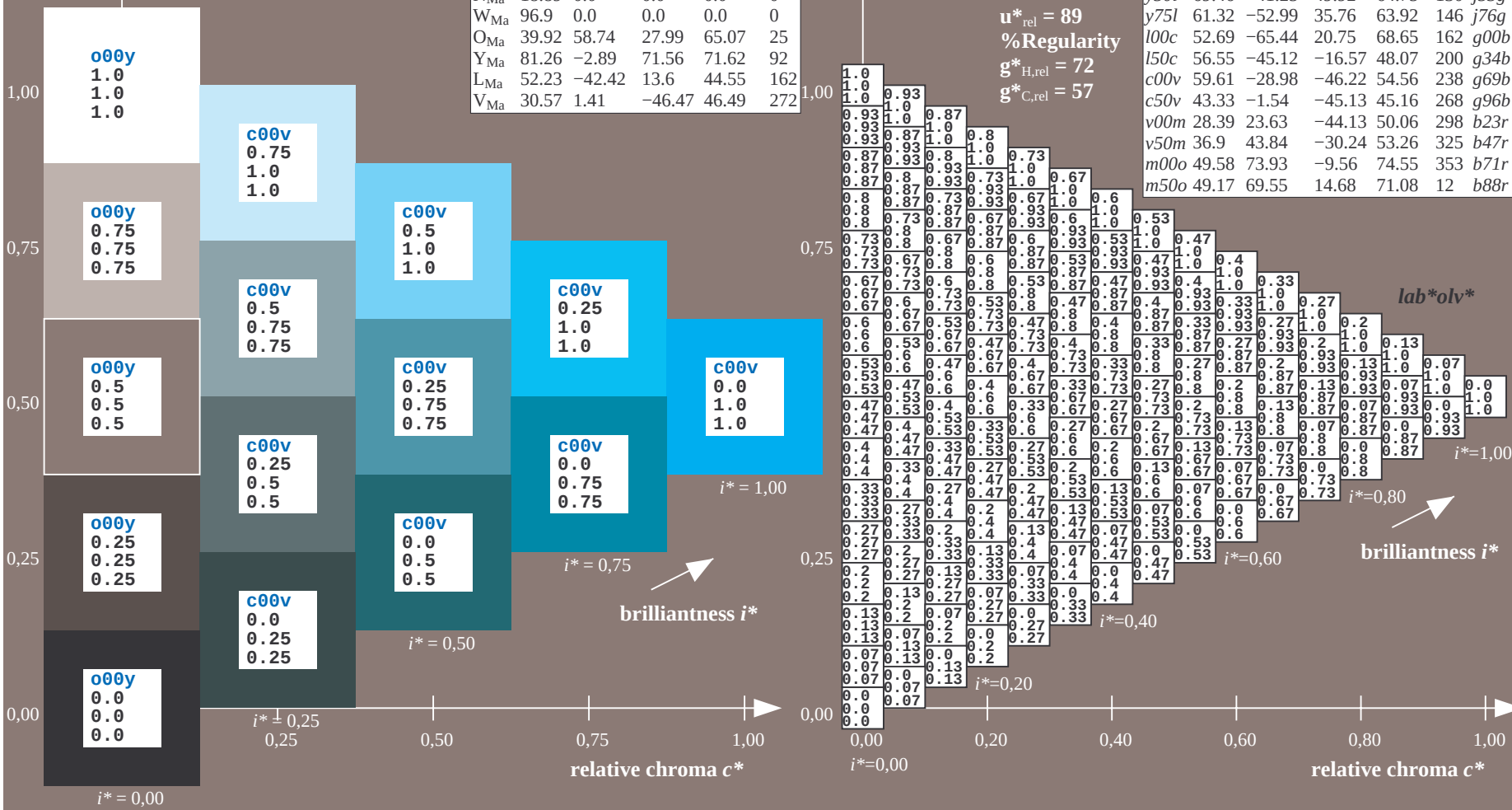
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = c00v$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

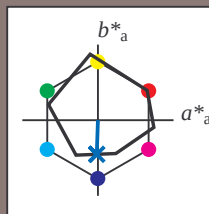
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

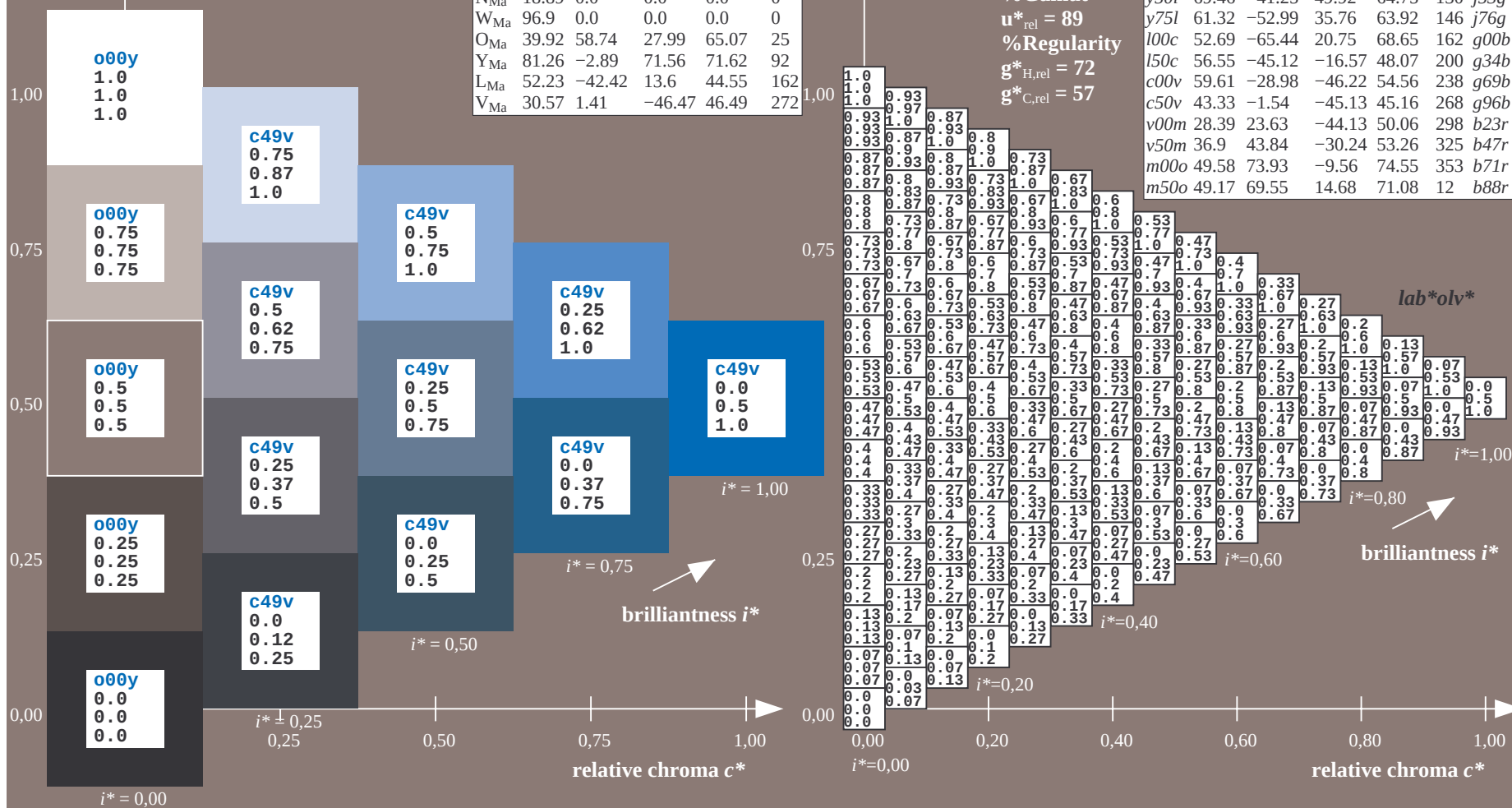
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

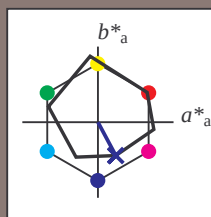
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

% Gamut

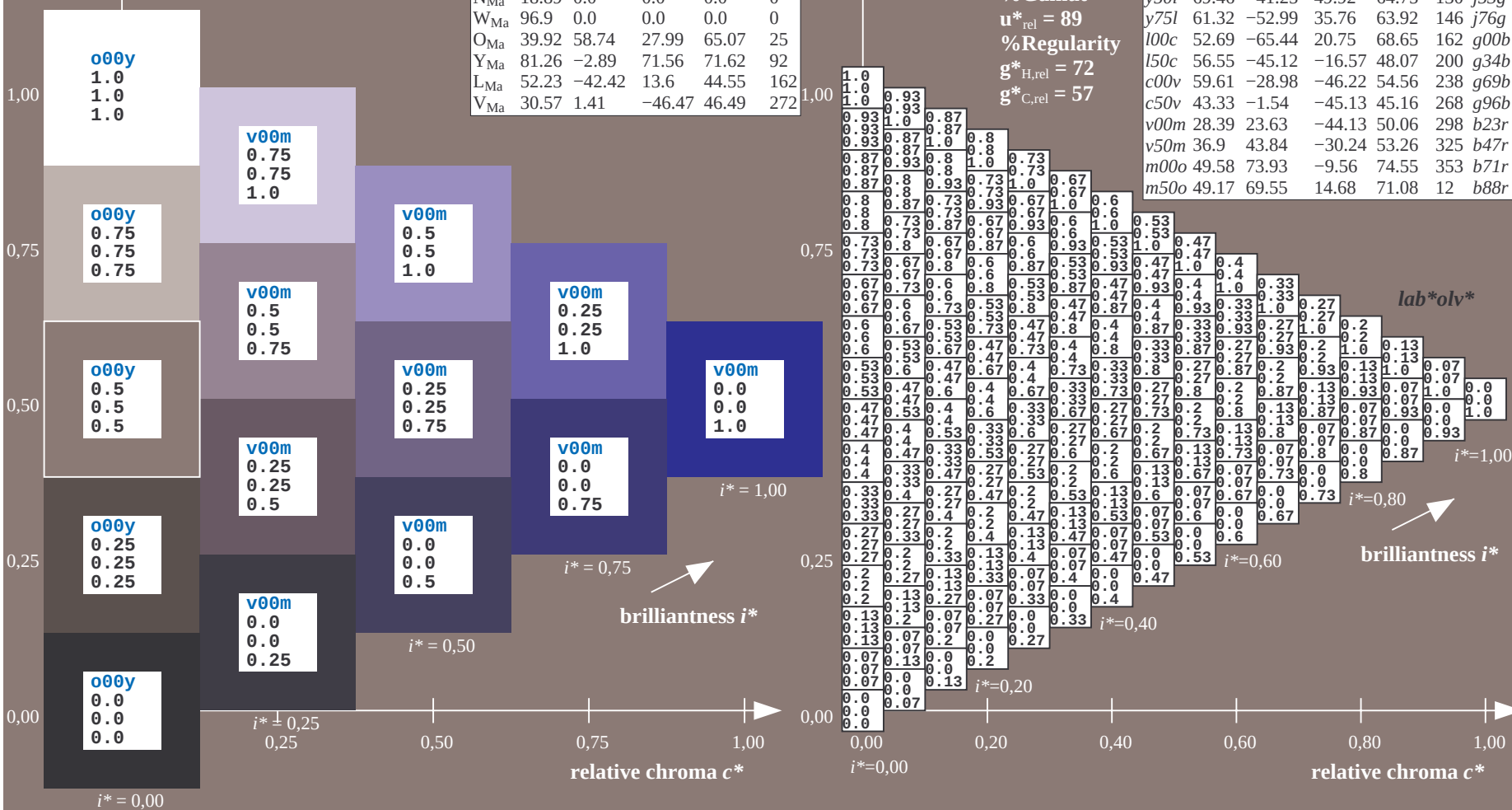
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

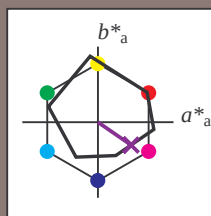
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 37 44 -30

$\text{LAB}^*\text{LCH}^*_{Ma}$: 37 53 325

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

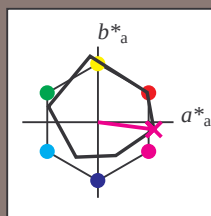
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

% Gamut

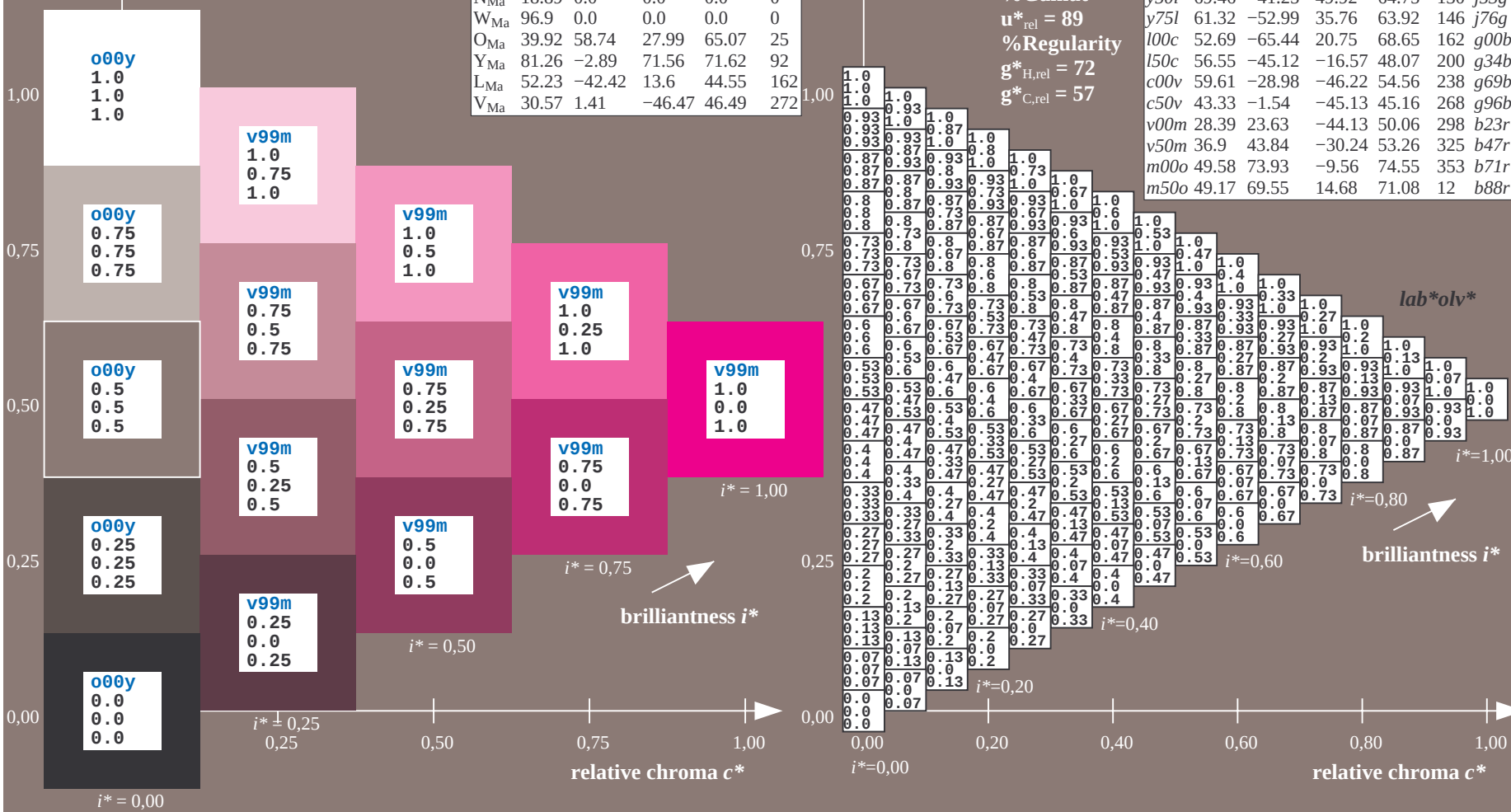
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

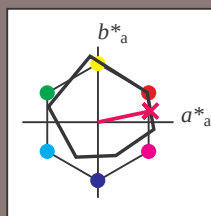
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

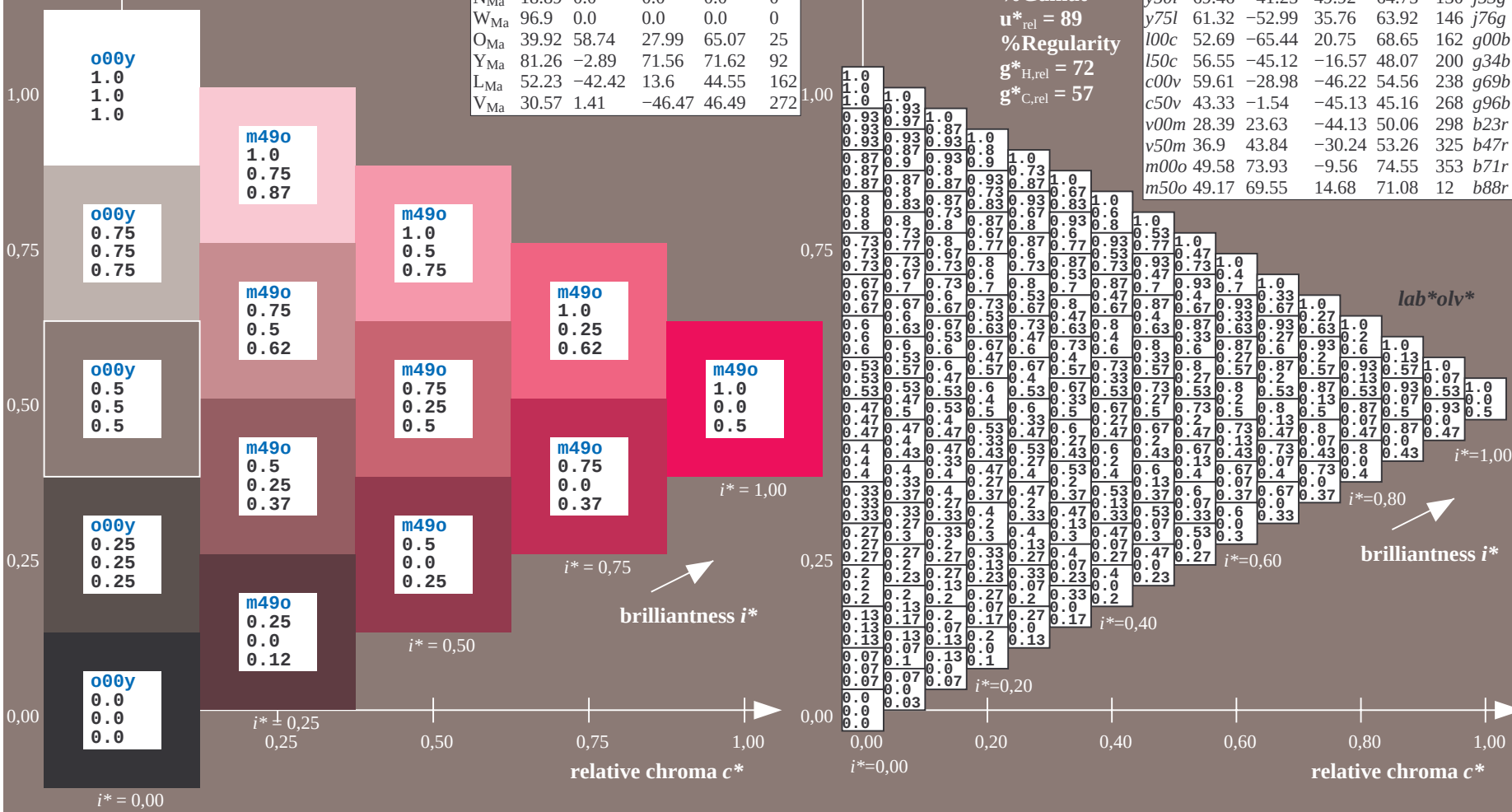
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_e

o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

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



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

BAM registration: 20081001-Ee44/10/L/44E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

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

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

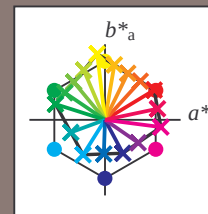
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

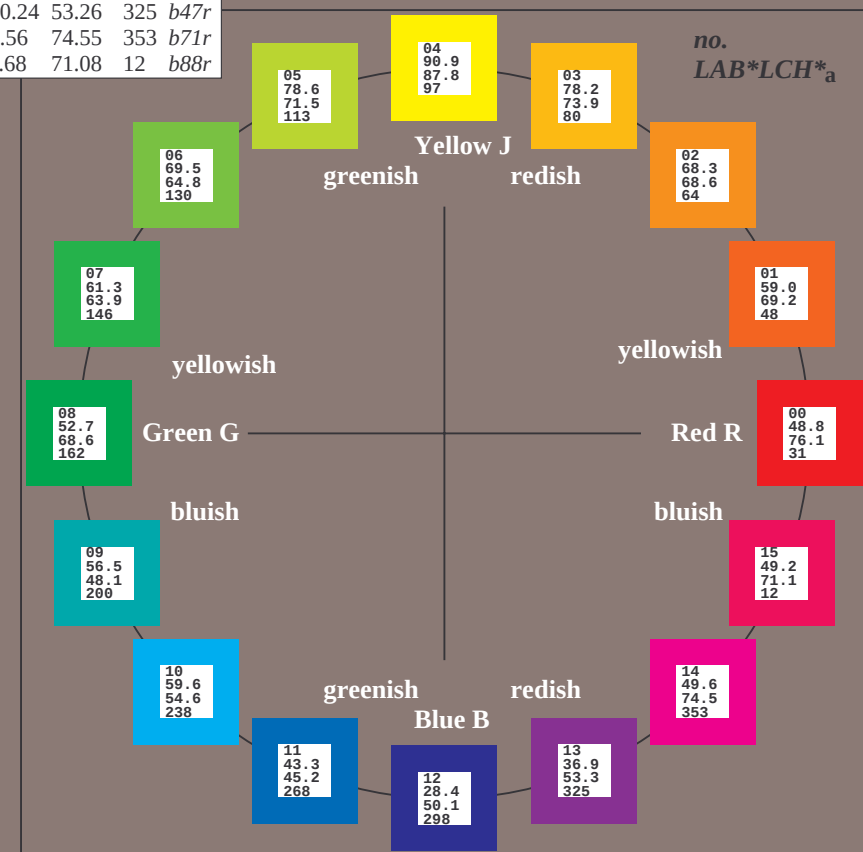
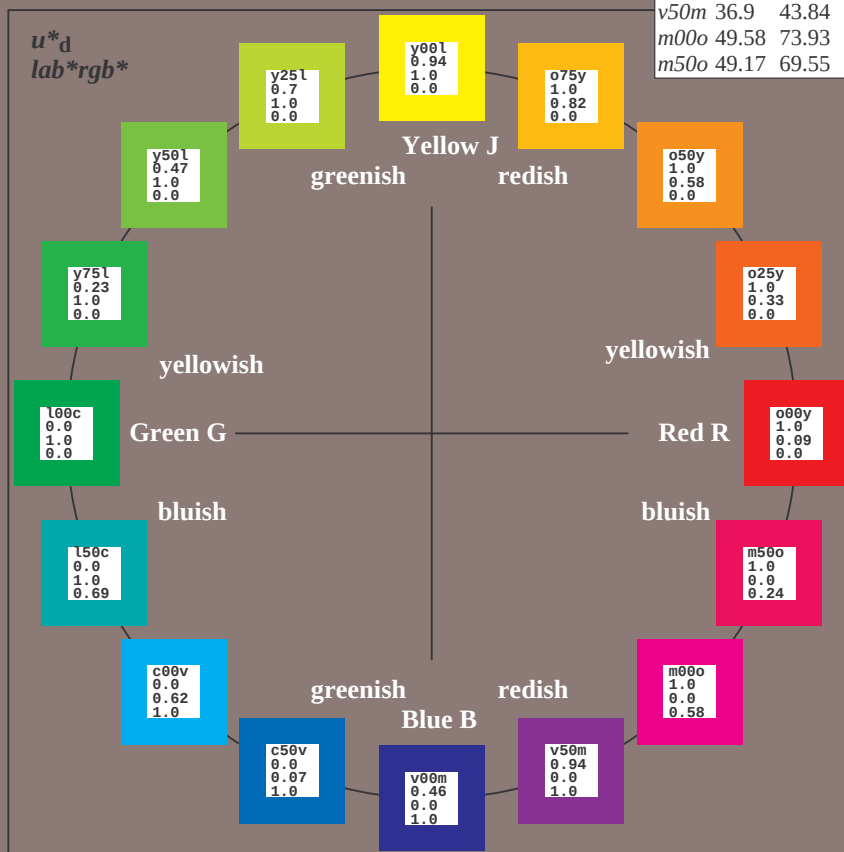
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

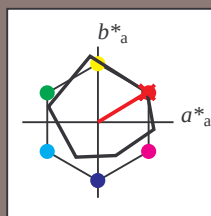
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	48.75	65.07	39.43	76.08	31	r08j
Y _{Ma}	90.92	-10.29	87.24	87.85	97	r33j
L _{Ma}	52.69	-65.44	20.75	68.65	162	r57j
C _{Ma}	59.61	-28.98	-46.22	54.56	238	r81j
V _{Ma}	28.39	23.63	-44.13	50.06	298	j06g
M _{Ma}	49.58	73.93	-9.56	74.55	353	j29g
N _{Ma}	18.89	0.0	0.0	0.0	0	j53g
W _{Ma}	96.9	0.0	0.0	0.0	0	j76g
O _{Ma}	39.92	58.74	27.99	65.07	25	g00b
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g34b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g69b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g96b

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 65 39

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 76 31

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

% Gamut

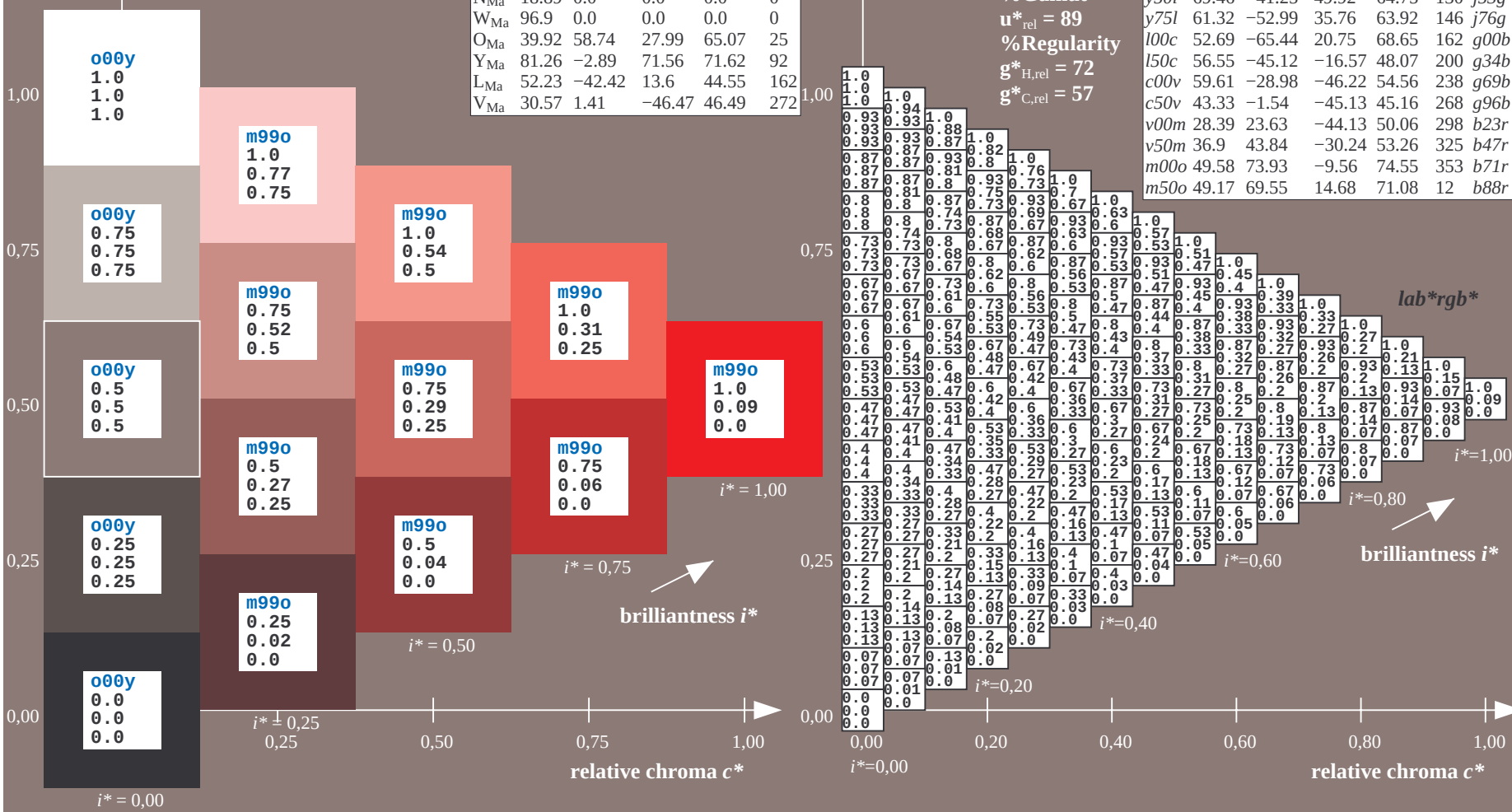
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

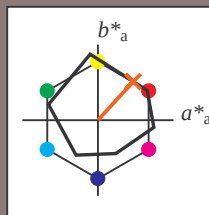
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 59 47 51

$\text{LAB}^*\text{LCH}^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

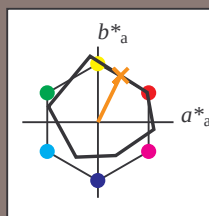
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

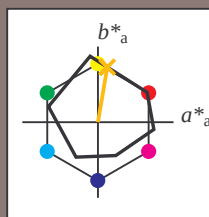
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

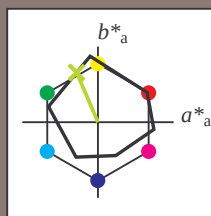
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

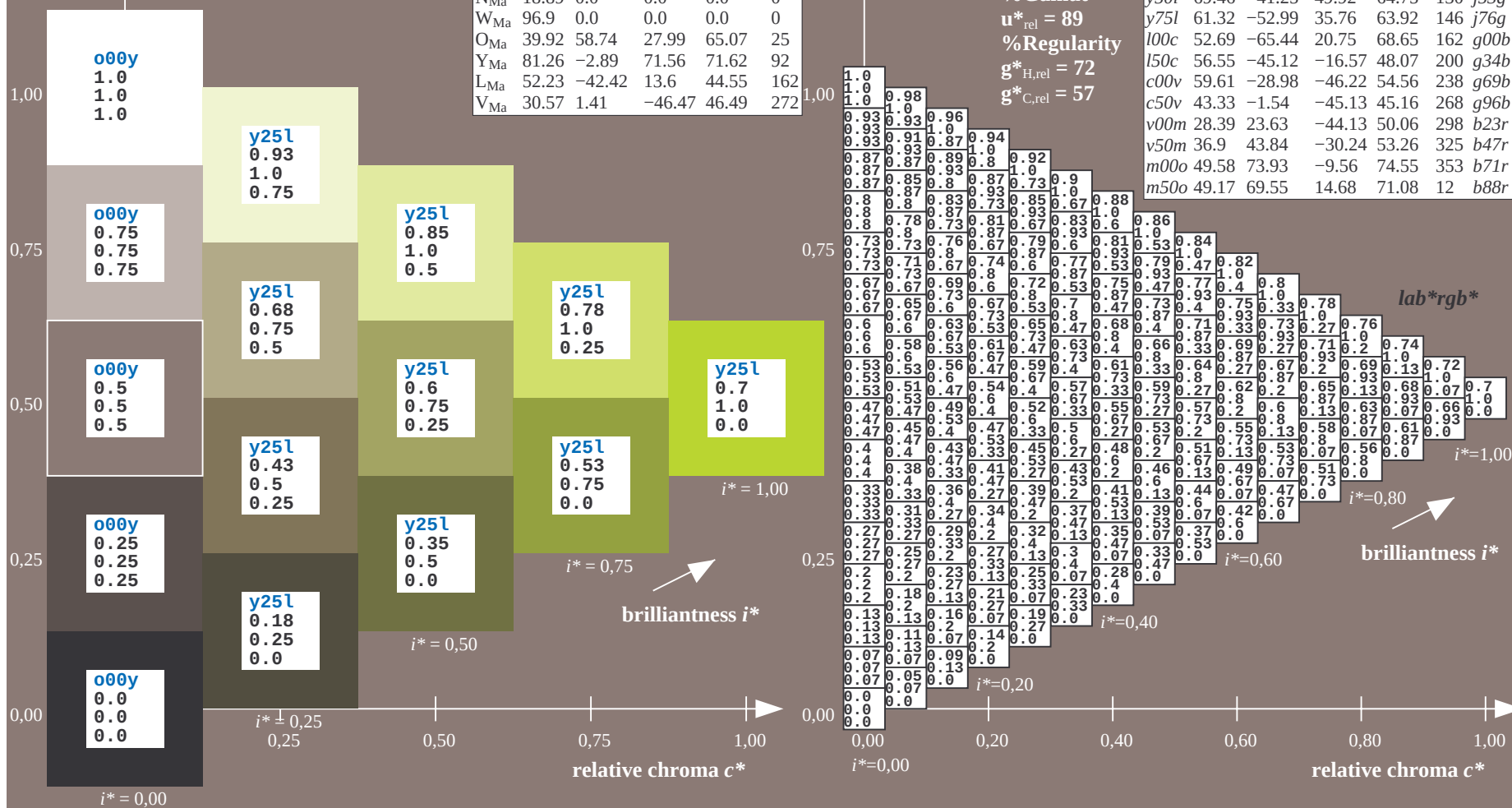
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$
 lab^*rgb^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

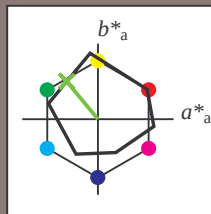
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

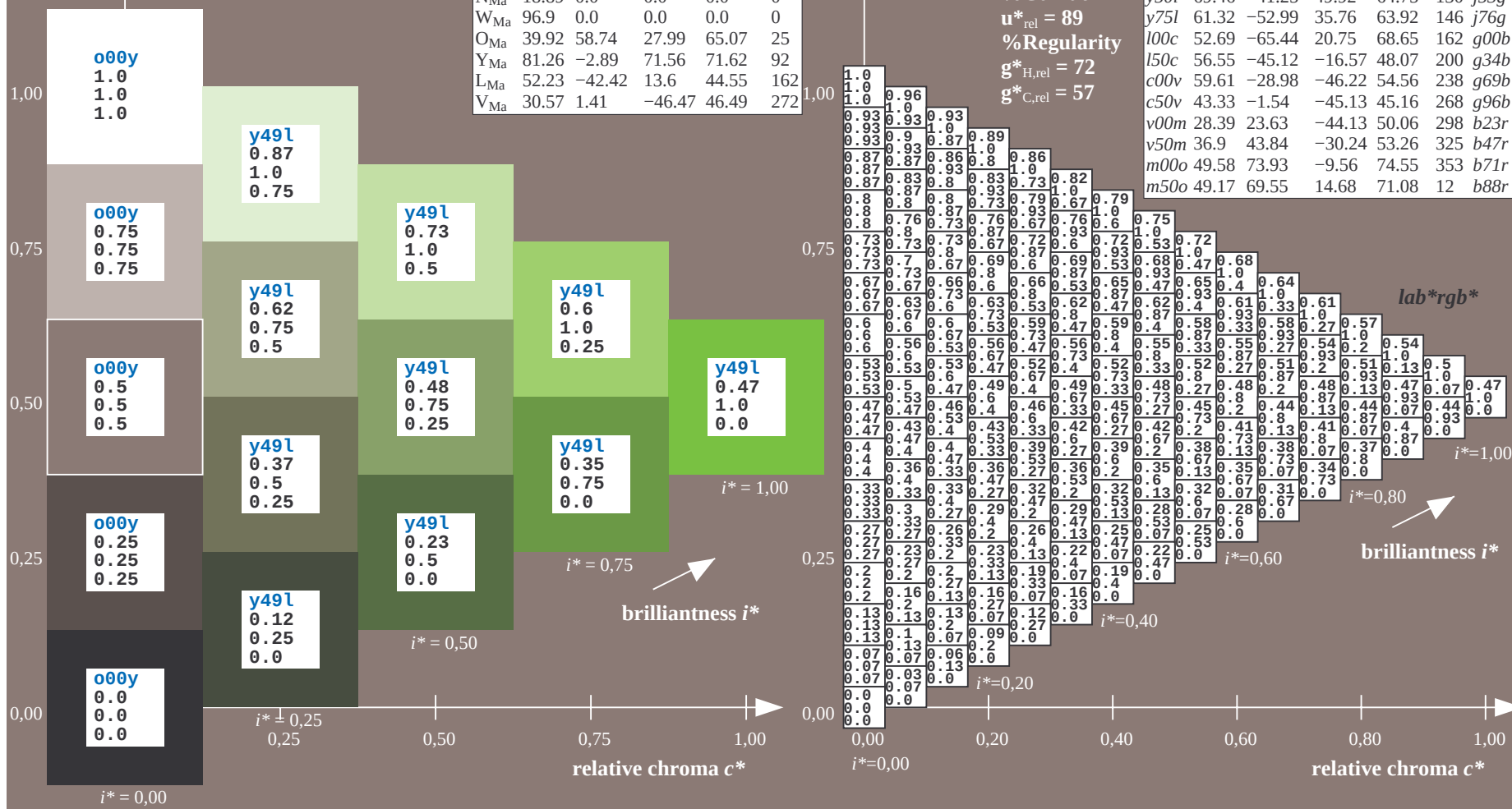
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

$u^*_d = y50l$
 lab^*rgb^*

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



BAM registration: 20081001-Ee44/10L/L44E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

*u**_d = y75l
*lab***rqb**

Diagram illustrating a hexagonal lattice structure with axes a^* and b^* . A green arrow points from a blue dot to a red dot, representing a vector.

ORS19_96a; adapted (a) CIELAB data

u_d^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

ORS19_96a; adapted (a) CIELAB data

u_d^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_e^*
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>

%Gamut

$$u^*_{\text{rel}} = 89$$

% Regularity

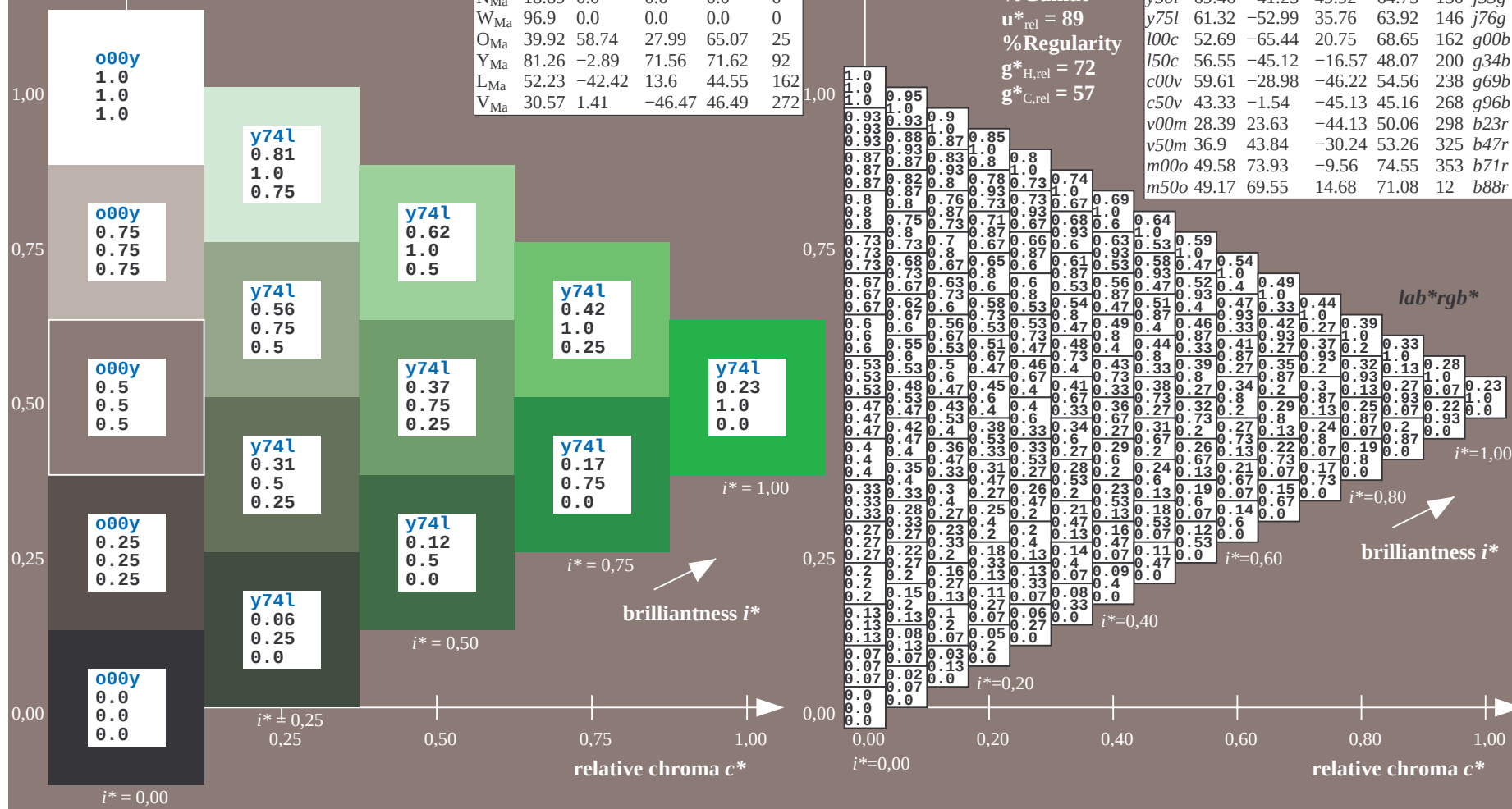
 $\rho^*_{II, \text{rel}} = 72$

triangle lightness t^*

 $\sigma^*_{G_{\text{rel}}} = 57$

8 C,rel 57

85



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

BAM material: code=rha4ta

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

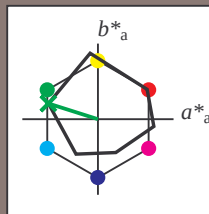
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

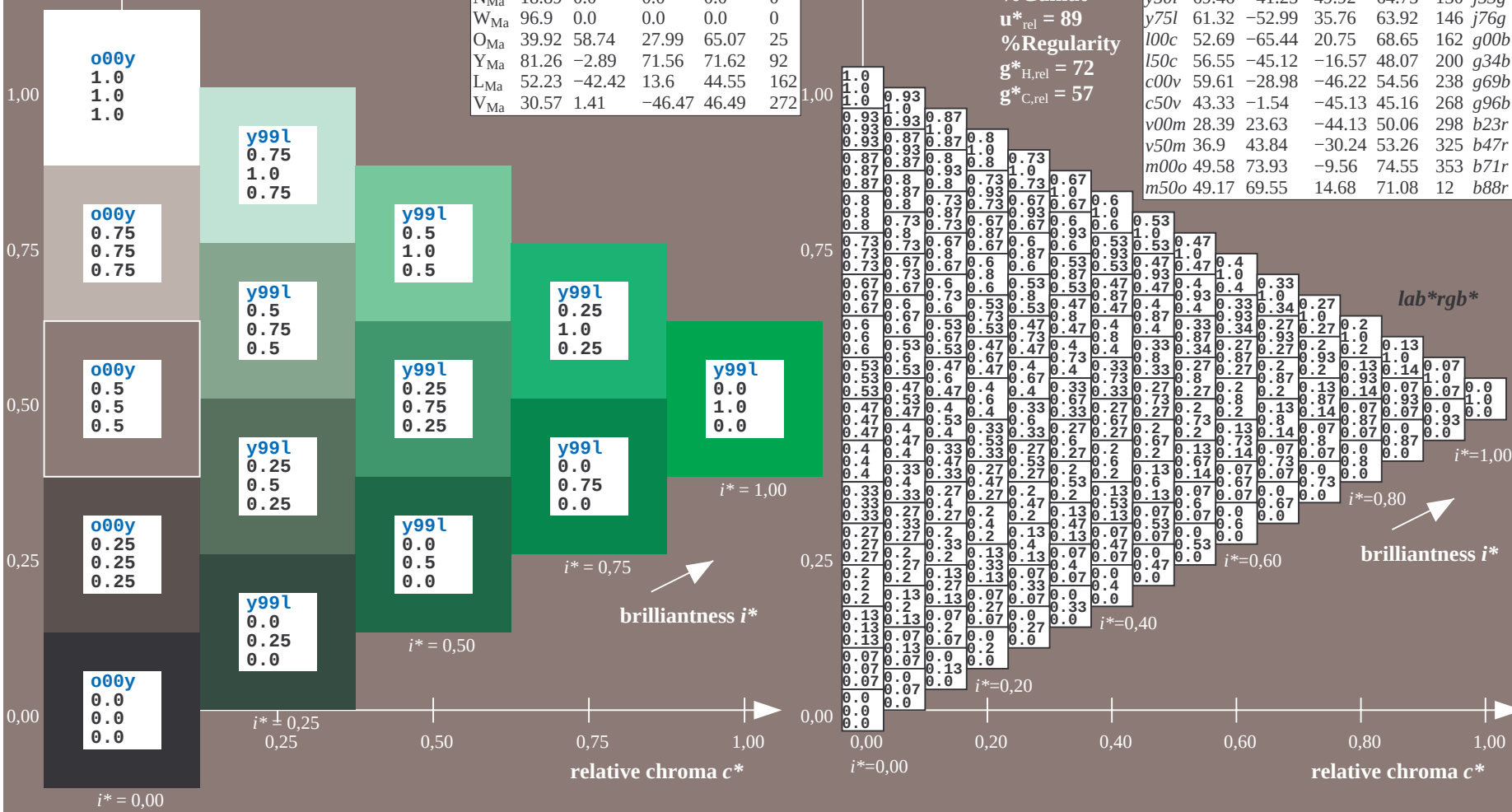
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

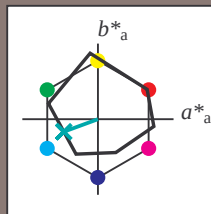
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$
 lab^*rgb^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 150c$ $u^*_e = g34b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

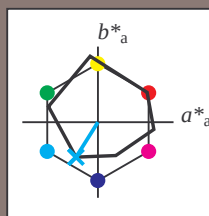
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 60 -29 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 60 55 237

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.62 1.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

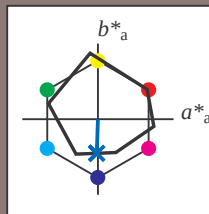
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*rgb^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

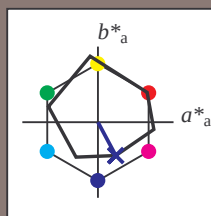
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

% Gamut

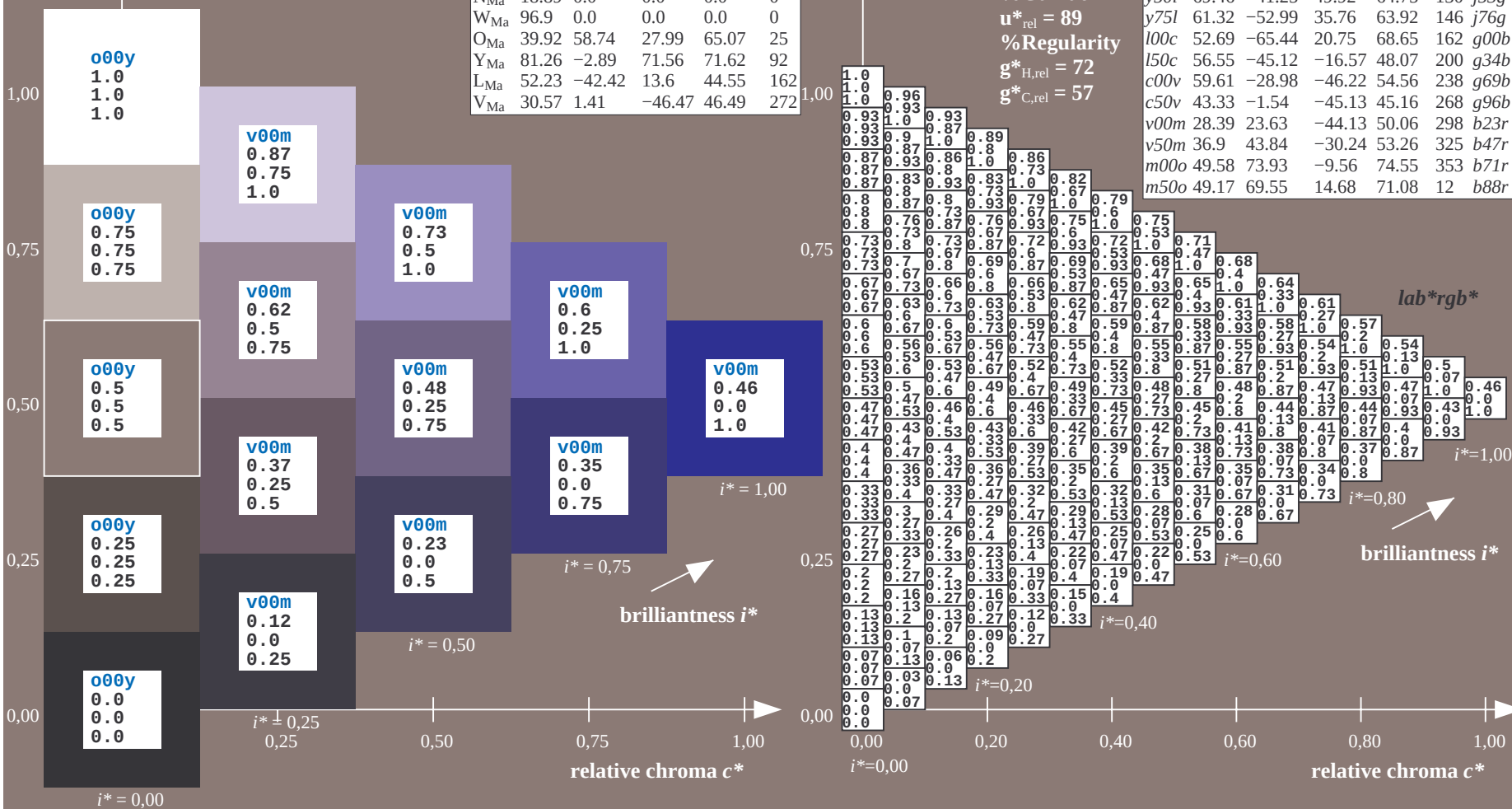
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

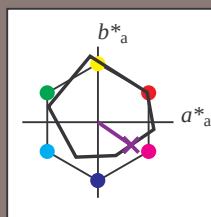
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

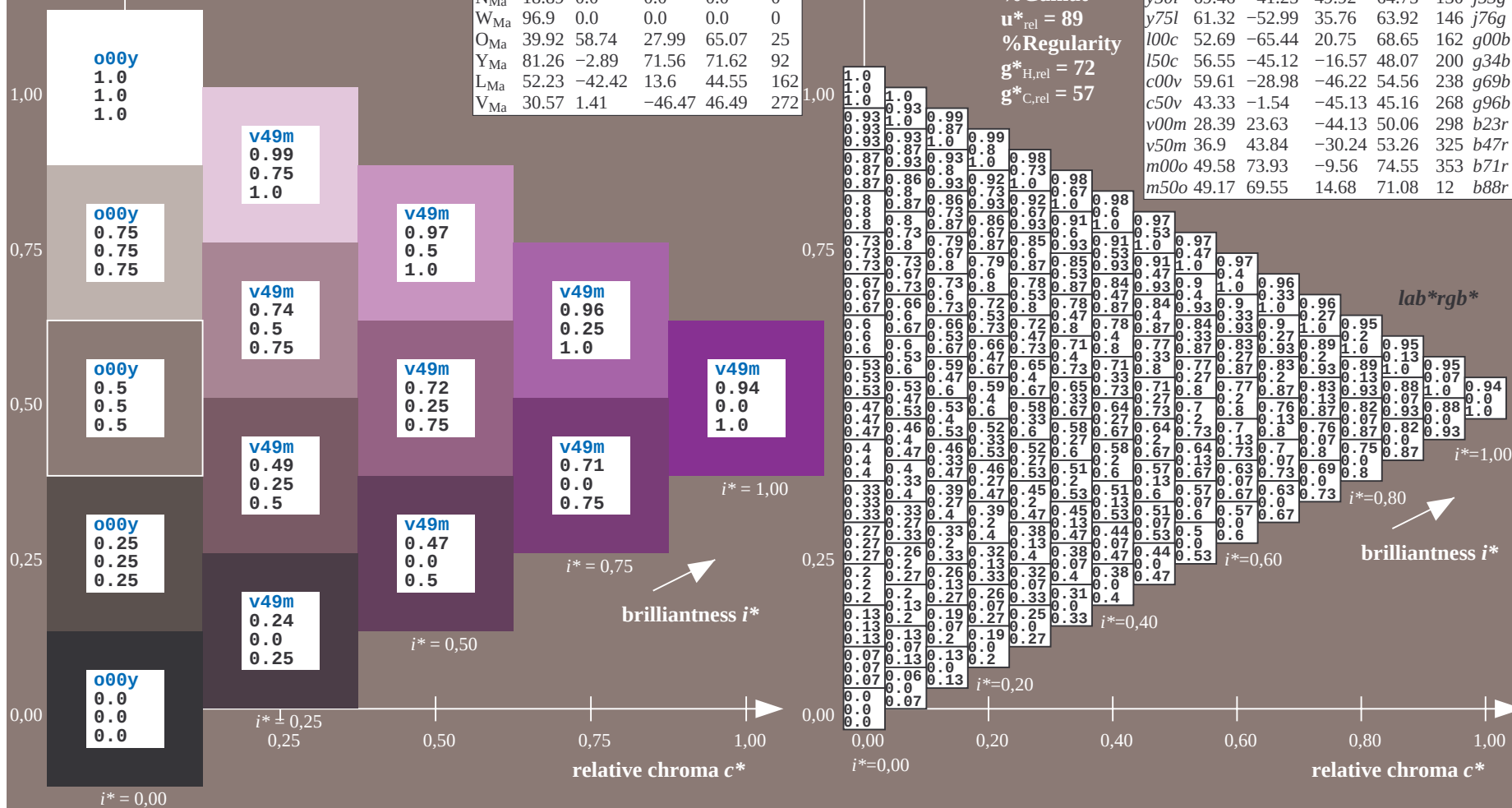
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = v50m$
 lab^*rgb^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

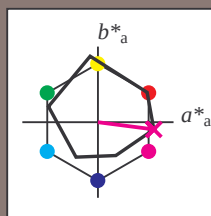
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 50 \ 74 \ -10$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 50 \ 75 \ 352$

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

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

triangle lightness t^*

% Gamut

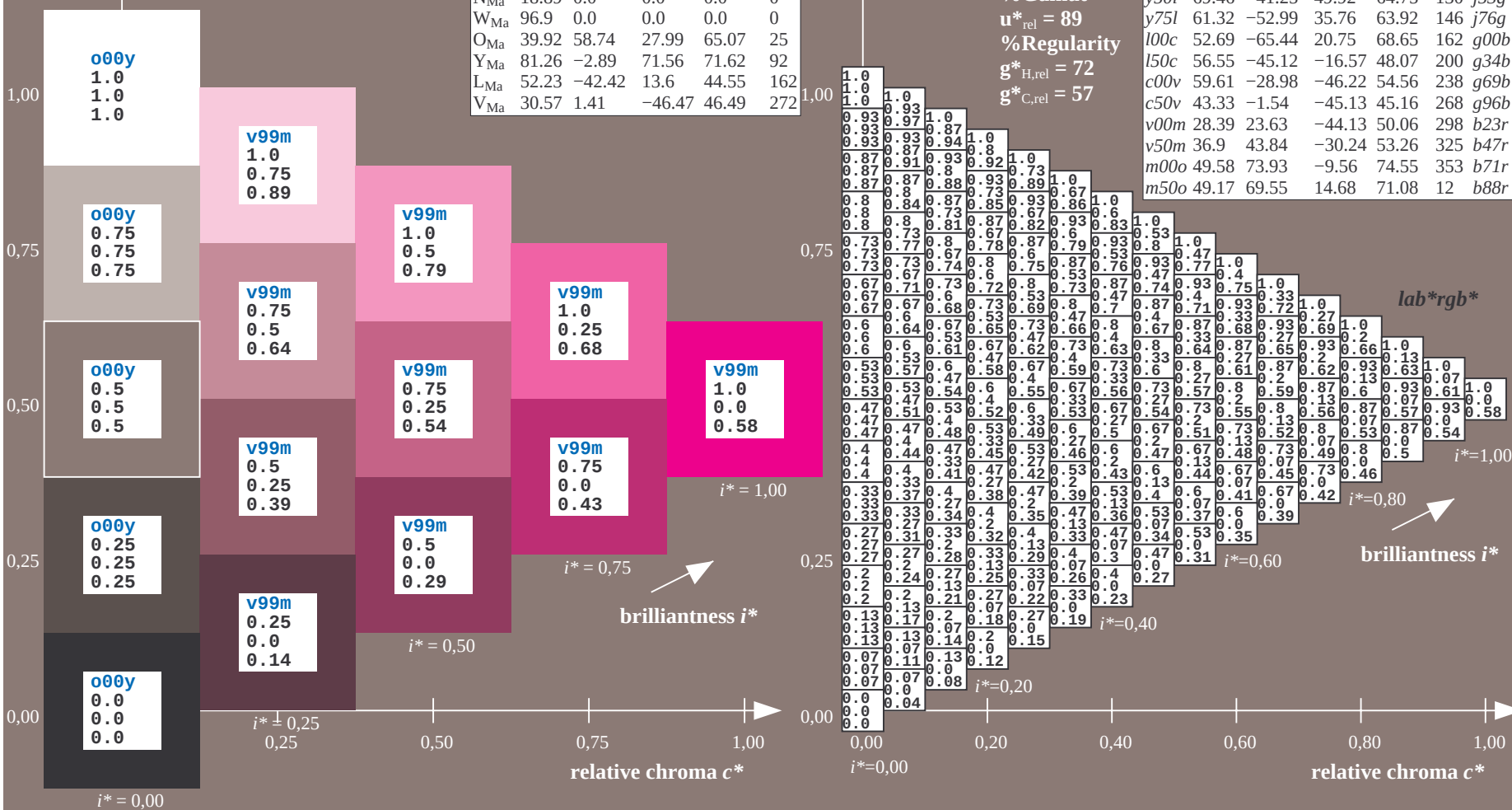
$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

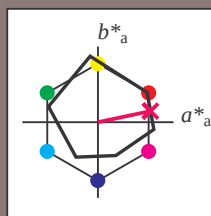
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

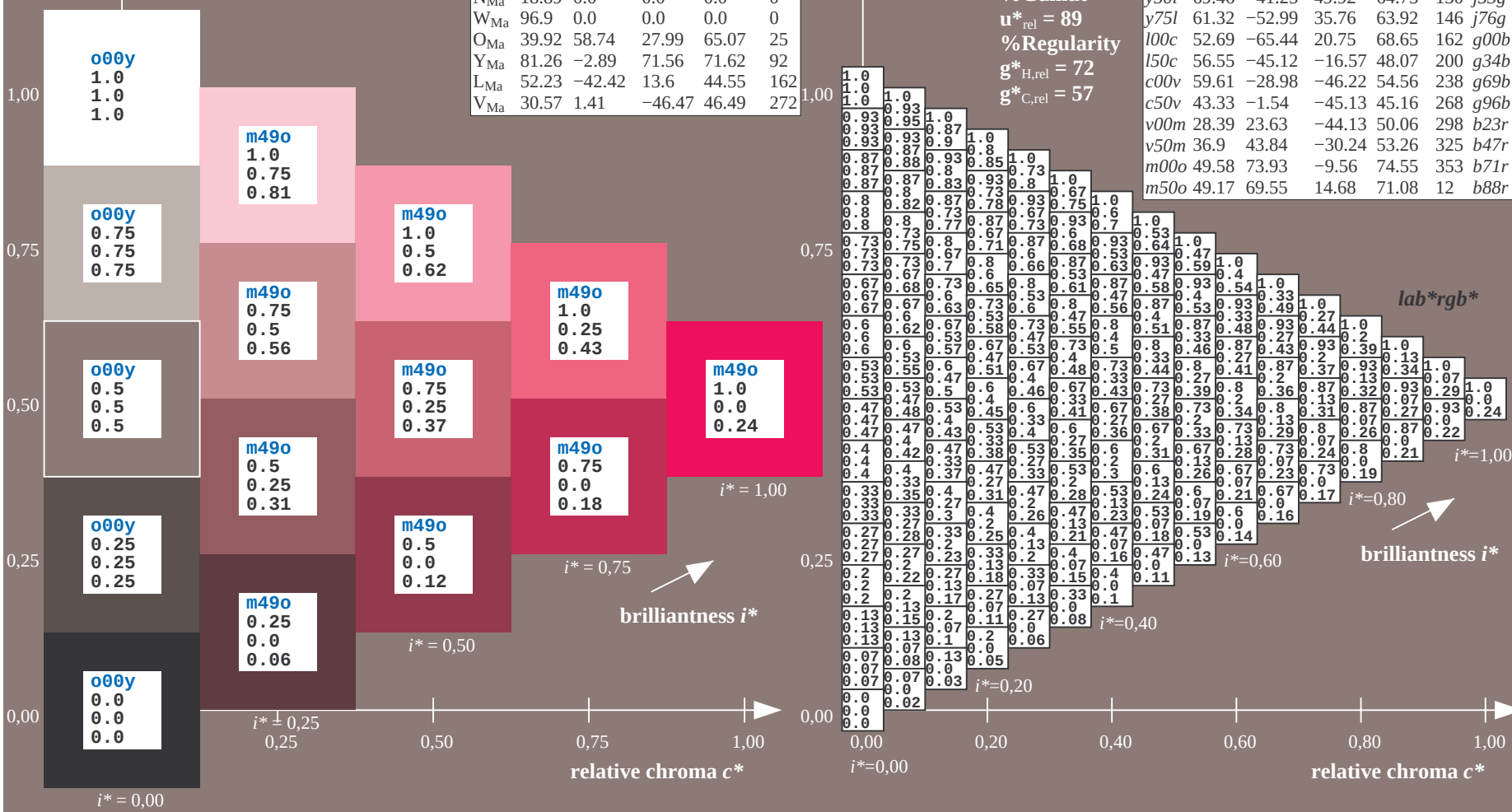
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

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

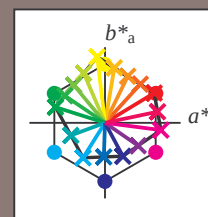


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*			
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.11	0.25	0.25	0.23	0.23	0.23	0.23	0.23	0.23	0.23	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.01	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.02	0.14	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.89	0.77	0.66	0.54	0.43	0.31	0.2	0.09	0.0	0.0	0.0	0.0	
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
02	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.13	0.13	0.13	0.13
	0.0	0.08	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.14	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.95	0.88	0.76	0.65	0.53	0.42	0.3	0.19	0.08	0.13	0.13	0.13	0.13	
	0.13	0.13	0.17	0.17	0.17	0.17	0.17	0.18	0.18	0.07	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.06	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.13	0.13	0.13	0.13	
03	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.18	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.25	0.25	0.25	0.25
	0.0	0.02	0.15	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.2	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.9	0.83	0.75	0.64	0.52	0.41	0.29	0.18	0.06	0.25	0.25	0.25	0.25	
	0.25	0.25	0.25	0.35	0.35	0.35	0.35	0.35	0.35	0.25	0.25	0.25	0.3	0.3	0.3	0.3	0.3	0.3	0.14	0.2	0.25	0.25	0.25	0.25	0.25	0.25	0.25	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.25	0.25	0.25	0.25	
04	0.17	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.24	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.36	0.31	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.38	0.38	0.38	0.38
	0.38	0.38	0.38	0.23	0.18	0.63	0.75	0.88	1.0	0.38	0.13	0.14	0.28	0.5	0.63	0.75	0.88	1.0	0.13	0.25	0.33	0.5	0.63	0.75	0.88	1.0	0.86	0.78	0.7	0.63	0.51	0.4	0.28	0.17	0.05	0.38	0.38	0.38	0.38		
	0.38	0.38	0.38	0.52	0.52	0.52	0.52	0.52	0.52	0.38	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.34	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.38	0.38	0.38	0.38	
05	0.23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.17	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.47	0.42	0.37	0.35	0.25	0.25	0.25	0.25	0.25	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
	0.0	0.0	0.03	0.17	0.31	0.56	0.75	0.88	1.0	0.0	0.13	0.13	0.22	0.36	0.61	0.75	0.88	1.0	0.0	0.13	0.25	0.27	0.4	0.63	0.75	0.88	1.0	0.81	0.73	0.65	0.58	0.5	0.39	0.27	0.16	0.04	0.5	0.5	0.5	0.5	
	0.5	0.5	0.5	0.5	0.5	0.63	0.69	0.69	0.69	0.5	0.5	0.5	0.5	0.5	0.63	0.64	0.64	0.65	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.5	0.5	0.5	0.5	
06	0.29	0.16	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.36	0.22	0.13	0.13	0.13	0.13	0.13	0.13	0.53	0.48	0.42	0.29	0.25	0.25	0.25	0.25	0.25	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.63	0.63	0.63	0.63
	0.0	0.0	0.0	0.11	0.25	0.39	0.64	0.88	1.0	0.0	0.13	0.13	0.16	0.3	0.43	0.68	0.88	1.0	0.0	0.13	0.25	0.34	0.48	0.73	0.88	1.0	0.76	0.68	0.61	0.53	0.45	0.38	0.26	0.15	0.03	0.63	0.63	0.63	0.63		
	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.86	0.87	0.63	0.63	0.63	0.63	0.63	0.75	0.82	0.82	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.77	0.77	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.63	0.63	0.63	0.63	
07	0.35	0.22	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.42	0.28	0.15	0.13	0.13	0.13	0.13	0.13	0.59	0.54	0.48	0.35	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.75	0.75	0.75	0.75
	0.0	0.0	0.0	0.05	0.19	0.33	0.46	0.71	0.96	0.0	0.13	0.13	0.13	0.24	0.37	0.51	0.76	1.0	0.0	0.13	0.25	0.25	0.28	0.42	0.56	0.81	1.0	0.71	0.64	0.56	0.48	0.4	0.33	0.25	0.14	0.02	0.75	0.75	0.75	0.75	
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.99	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	0.94	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.75	0.75	0.75	0.75	
08	0.41	0.27	0.14	0.01	0.0	0.0	0.0	0.0	0.0	0.53	0.47	0.34	0.21	0.13	0.13	0.13	0.13	0.13	0.65	0.59	0.54	0.41	0.28	0.25	0.25	0.25	0.25	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
	0.0	0.0	0.0	0.0	0.13	0.27	0.4	0.54	0.79	0.0	0.13	0.13	0.13	0.18	0.31	0.45	0.59	0.84	0.0	0.13	0.25	0.25	0.25	0.36	0.5	0.64	0.89	0.17	0.59	0.51	0.43	0.36	0.28	0.2	0.13	0.01	0.88	0.88	0.88	0.88	
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.88	0.88	0.88	0.88	
09	0.46	0.33	0.2	0.07	0.0	0.0	0.0	0.0	0.0	0.58	0.53	0.4	0.27	0.13	0.13	0.13	0.13	0.13	0.7	0.65	0.6	0.47	0.33	0.25	0.25	0.25	0.25	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
	0.0	0.0	0.0	0.07	0.21	0.34	0.48	0.62	0.8	0.0	0.13	0.13	0.13	0.13	0.25	0.39	0.53	0.67	0.0	0.13	0.25	0.25	0.35	0.5	0.63	0.75	0.88	0.62	0.6	0.46	0.39	0.31	0.23	0.15	0.08	0.21	0.38	0.5	0.63		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0		
10	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.35	0.5	0.5	0.5	0.5	0.47	0.47	0.47	0.47	0.47	0.63	0.63	0.63	0.63	0.59	0.59	0.58	0.58	1.0	0.99	0.98	0.98	0.97	0.96	0.95	0.94	0.94	0.0	0.0	0.0	0.0		
	0.03	0.15	0.28	0.38	0.5	0.63	0.75	0.88	1.0	0.04	0.17	0.29	0.41	0.5	0.63	0.75	0.88	1.0	0.05	0.18	0.3	0.42	0.54	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0			
11	0.38	0.38	0.38	0.36	0.36	0.36	0.36	0.36	0.36	0.5	0.5	0.5	0.5	0.48	0.48	0.48	0.48	0.47	0.63	0.63	0.63	0.63	0.59	0.59	0.59	0.59	0.59	0.93	0.88	0.87	0.86	0.85	0.84	0.84	0.83	0.82	0.07	0.07	0.07	0.07	
	0.0	0.15	0.27	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.16	0.28	0.4	0.5	0.63	0.75	0.88	1.0	0.0	0.17	0.29	0.41	0.54	0.63	0.75	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.07	0.07	0.07	0.07		
	0.05	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.03	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.02	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	1.0	0.88	0.75	0.63	0.5	0.38	0.25	0.13	0.0	0.07	0.07	0.07	0.07	
12	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.37	0.5	0.5	0.5	0.5	0.48	0.48	0.48	0.48	0.48	0.63	0.63	0.63	0.63	0.6	0.6	0.6	0.6	0.87	0.81	0.75	0.74	0.73	0.73	0.72	0.71	0.7	0.13	0.13	0.13	0.13		
	0.0	0.13	0.26	0.38	0.5	0.																																			

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

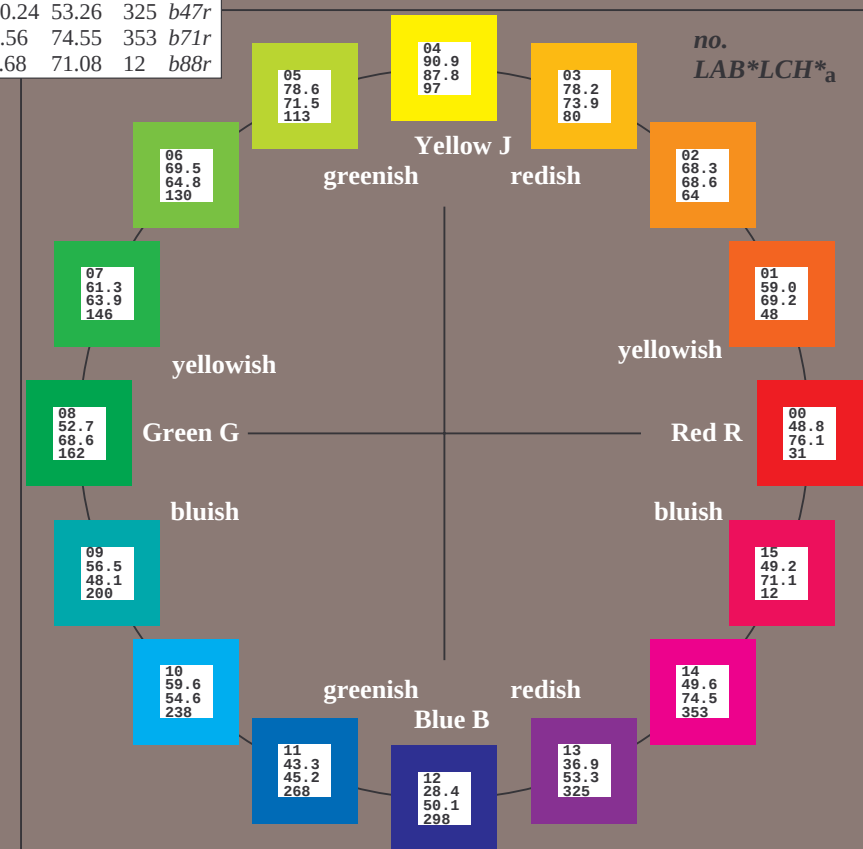
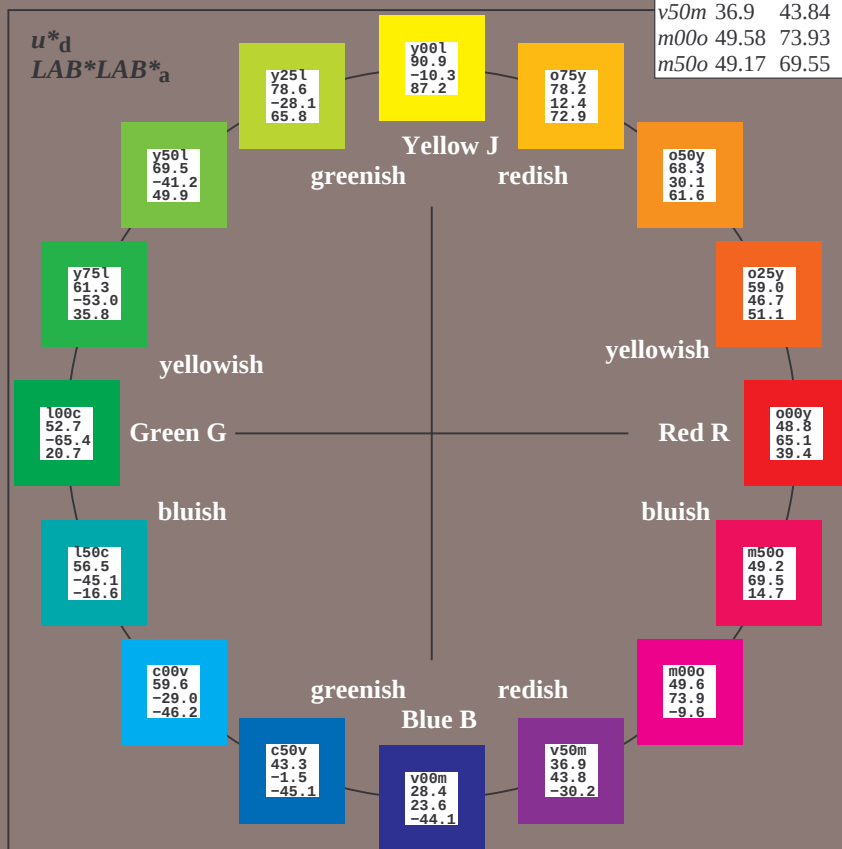
u^*_d and number $no.$ = 00 .. 15
device hue text:
 u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



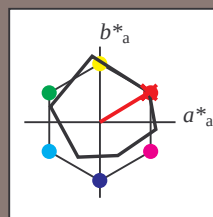
%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



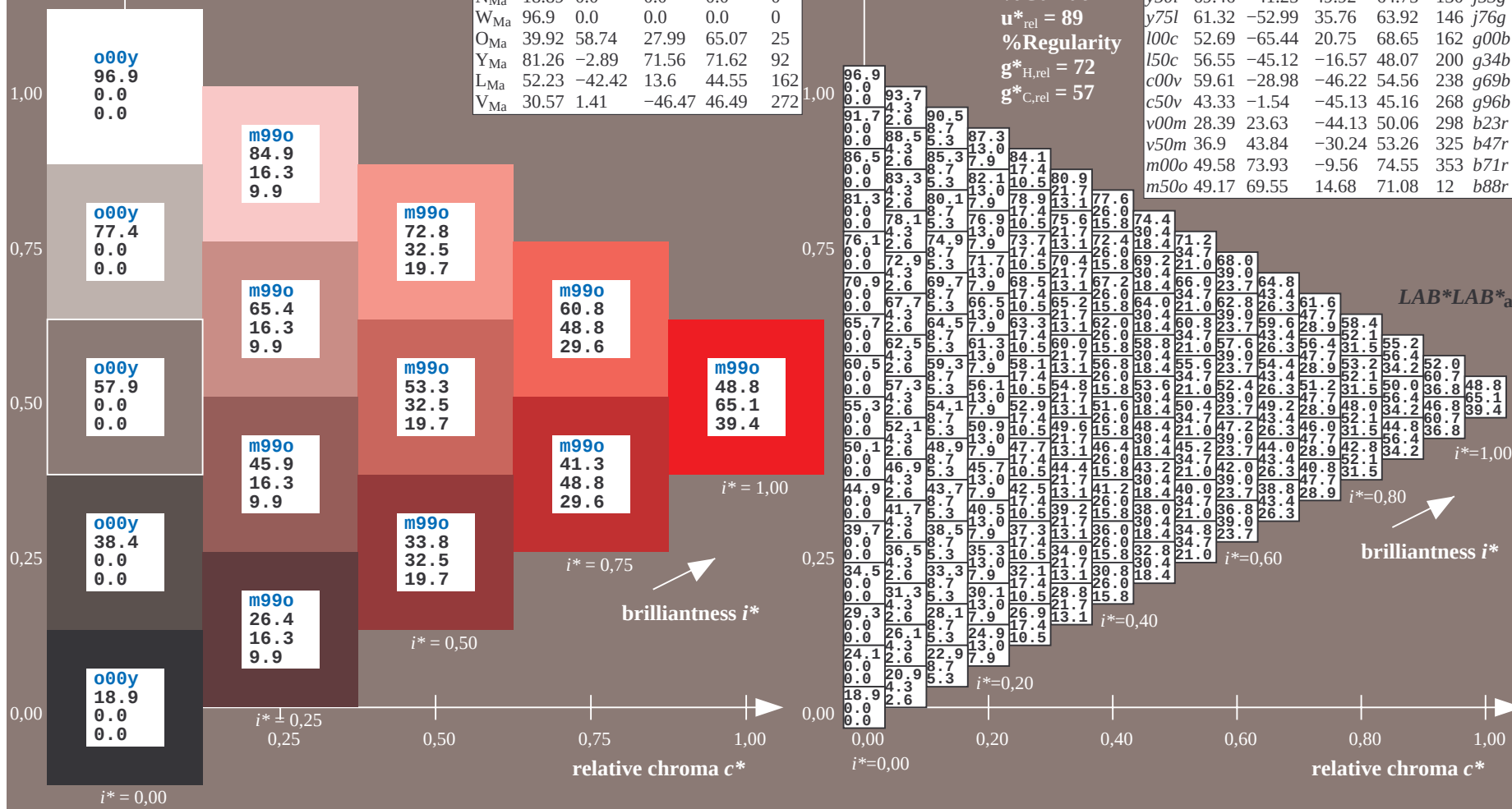
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 65 39
 $\text{LAB}^*\text{LCH}^*_{Ma}$: 49 76 31
 $\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.0
 $\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.09 0.0
triangle lightness t^*

%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

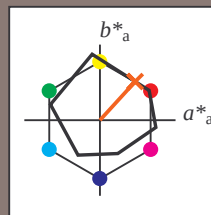
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51
 $LAB^*LCH^*_{Ma}$: 59 69 47
 $lab^*olv^*_{Ma}$: 1.0 0.25 0.0
 $lab^*rgb^*_{Ma}$: 1.0 0.33 0.0
triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

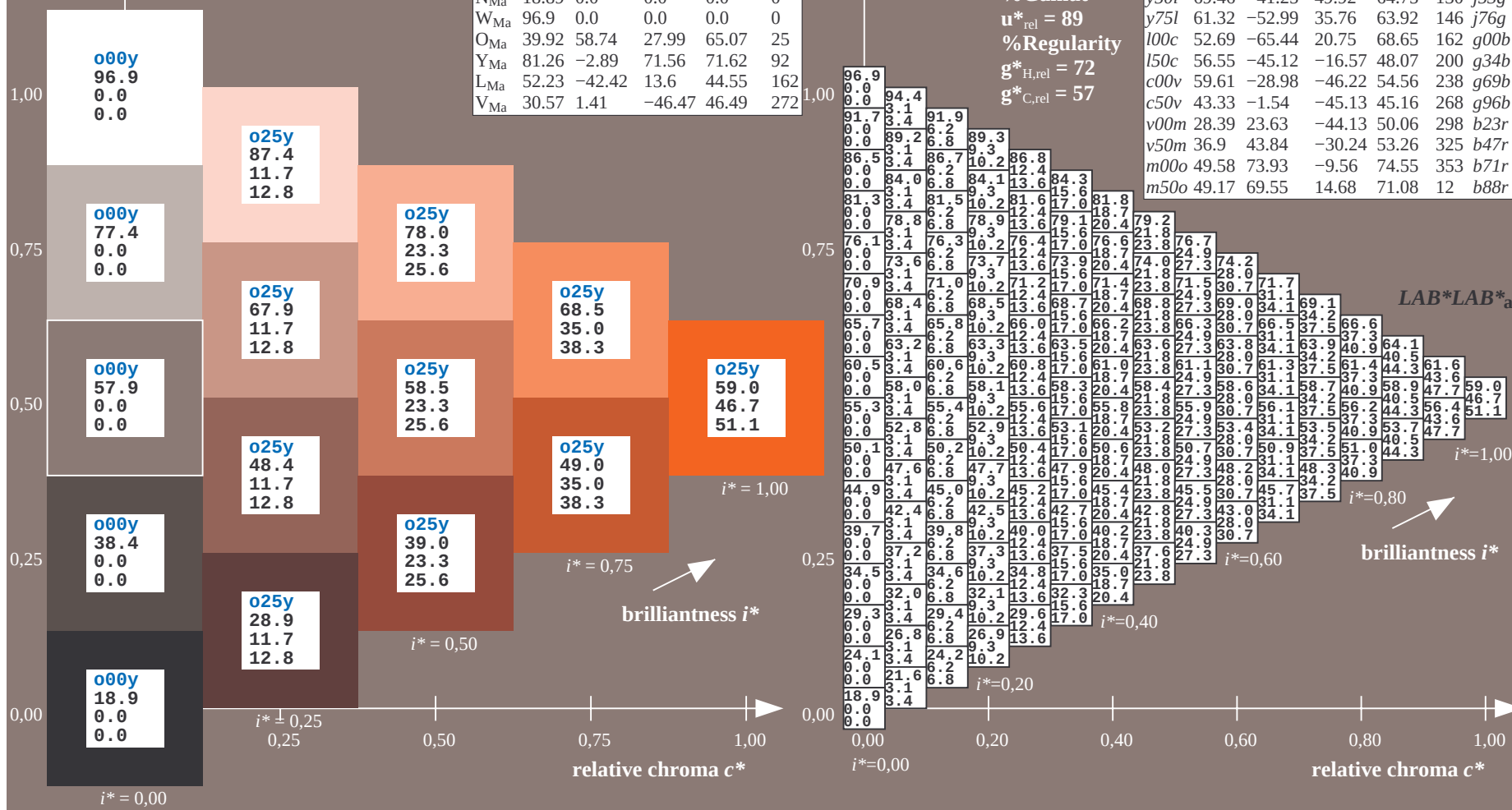
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	48.75	65.07	39.43	76.08	31
o25y	59.04	46.67	51.1	69.21	48
o50y	68.32	30.09	61.62	68.58	64
o75y	78.23	12.39	72.85	73.9	80
y00l	90.92	-10.29	87.24	87.85	97
y25l	78.57	-28.11	65.75	71.51	113
y50l	69.46	-41.25	49.92	64.75	130
y75l	61.32	-52.99	35.76	63.92	146
l00c	52.69	-65.44	20.75	68.65	162
l50c	56.55	-45.12	-16.57	48.07	200
c00v	59.61	-28.98	-46.22	54.56	238
c50v	43.33	-1.54	-45.13	45.16	268
v00m	28.39	23.63	-44.13	50.06	298
v50m	36.9	43.84	-30.24	53.26	325
m00o	49.58	73.93	-9.56	74.55	353
m50o	49.17	69.55	14.68	71.08	12

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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

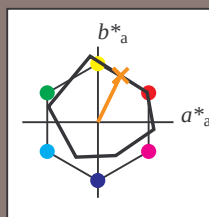
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$
 $LAB^*LAB^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

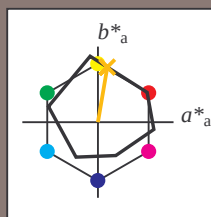
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$
 $LAB^*LAB^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

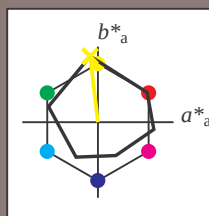
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 91 -10 87

$\text{LAB}^*\text{LCH}^*_{Ma}$: 91 88 96

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

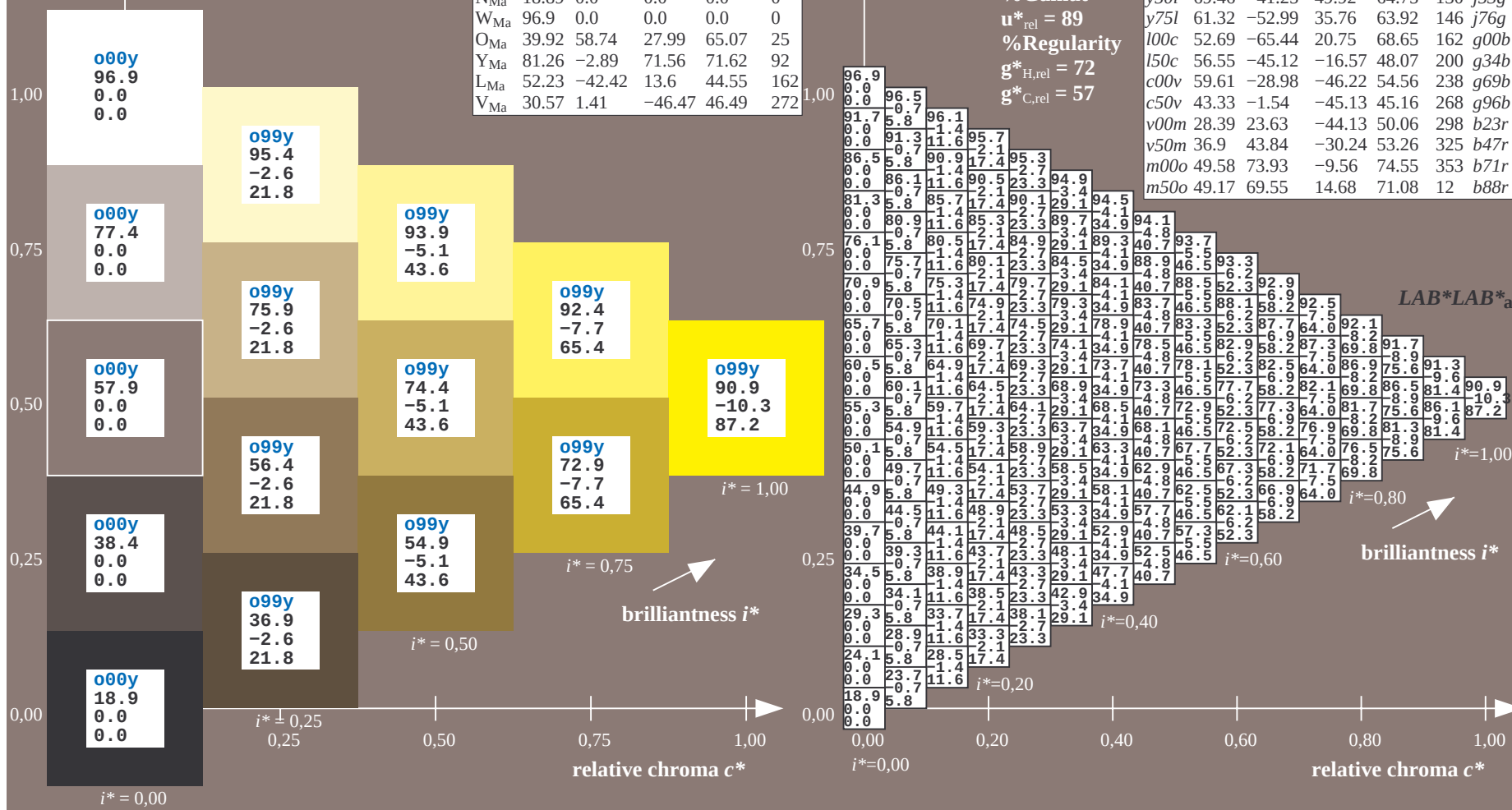
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

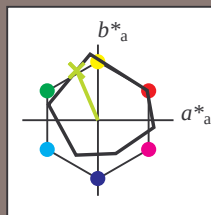
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{Ma}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

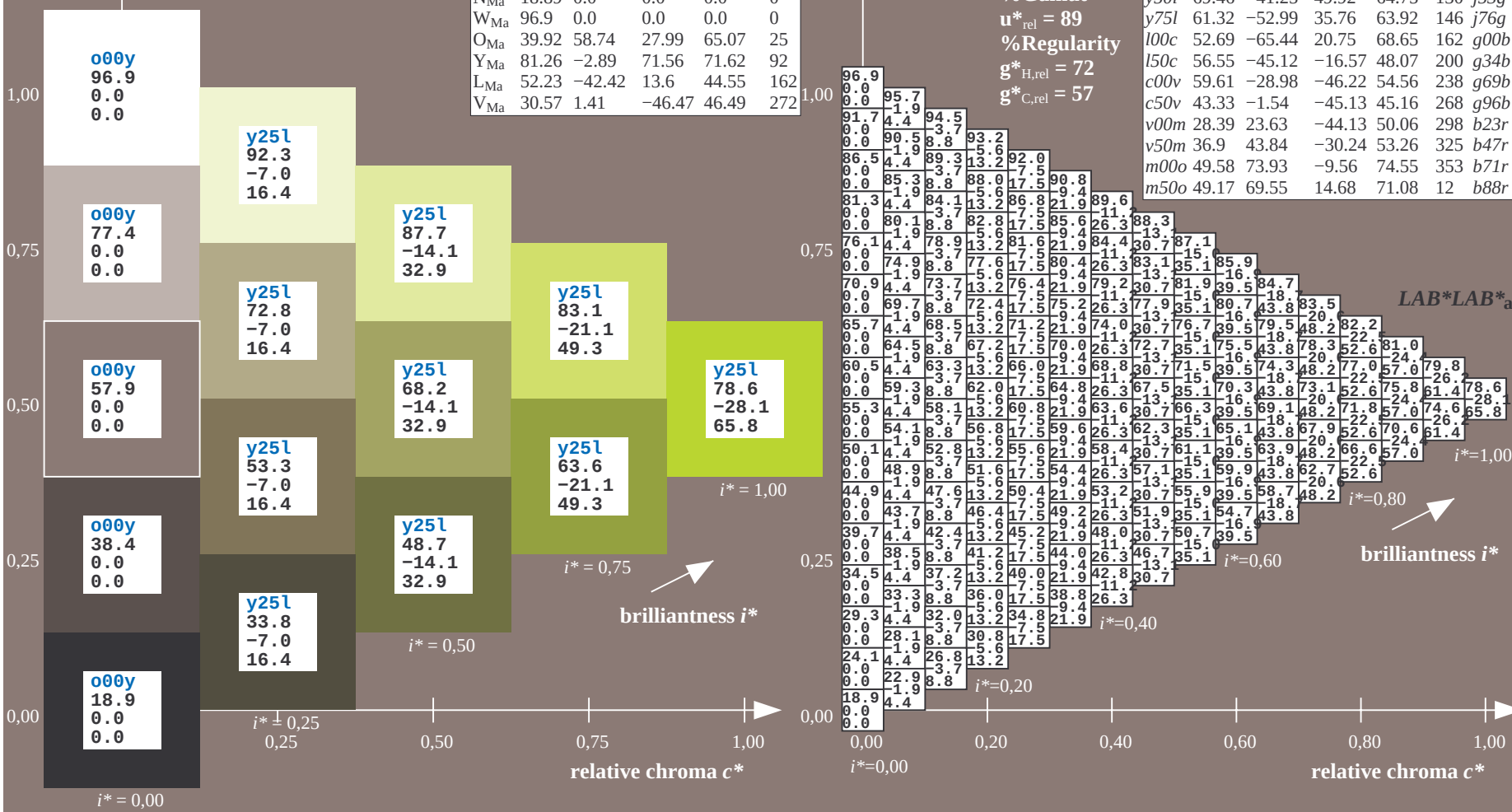
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

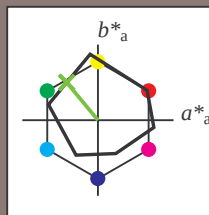
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

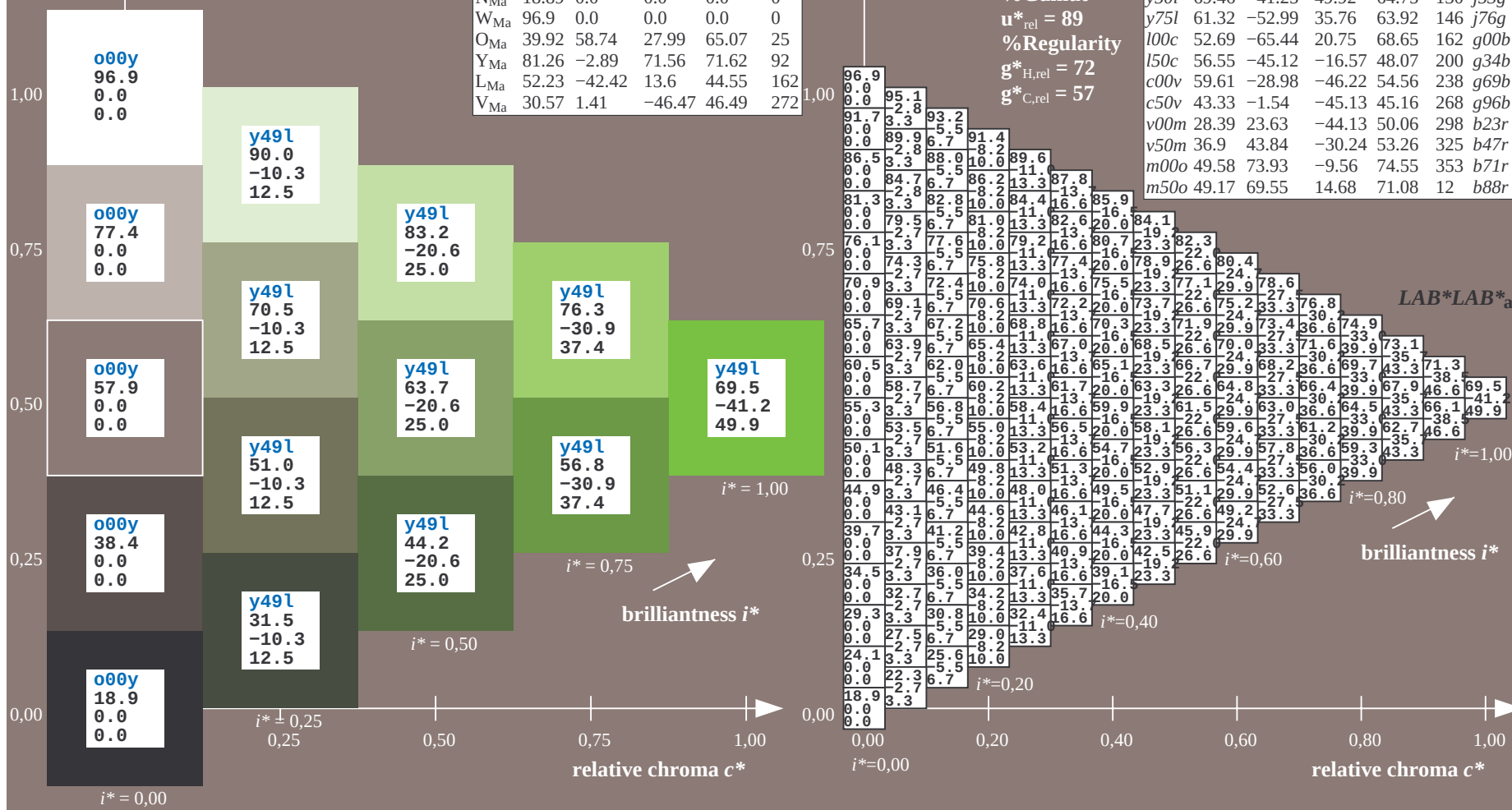
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y50l$
 $LAB^*LAB^*_a$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

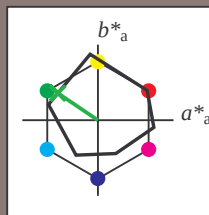
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 61 -53 36

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 61 64 145

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

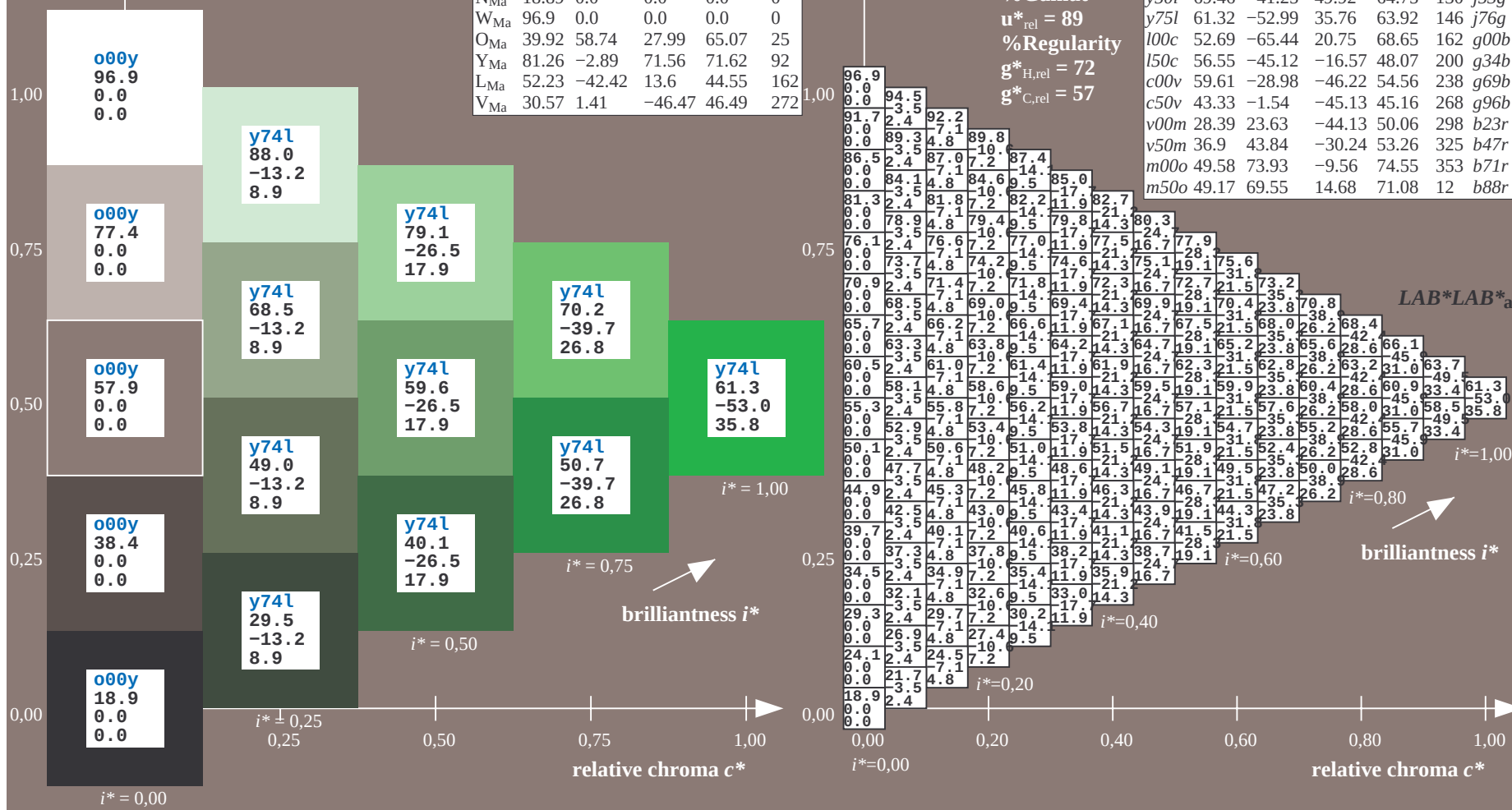
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:

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

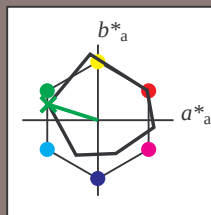
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

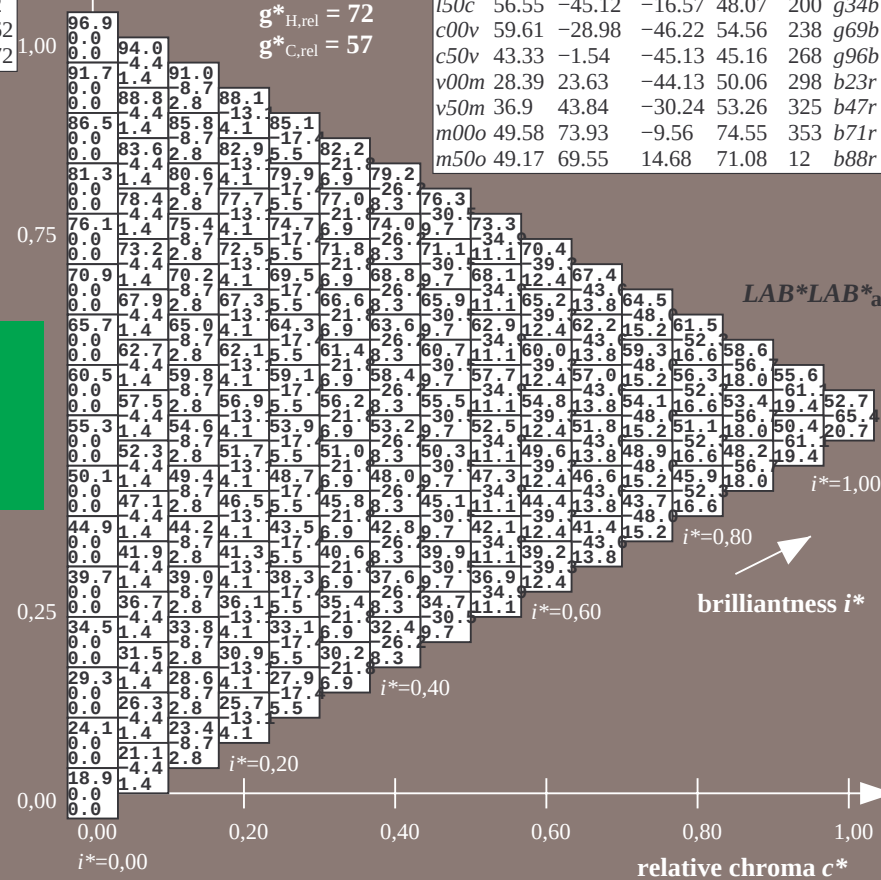
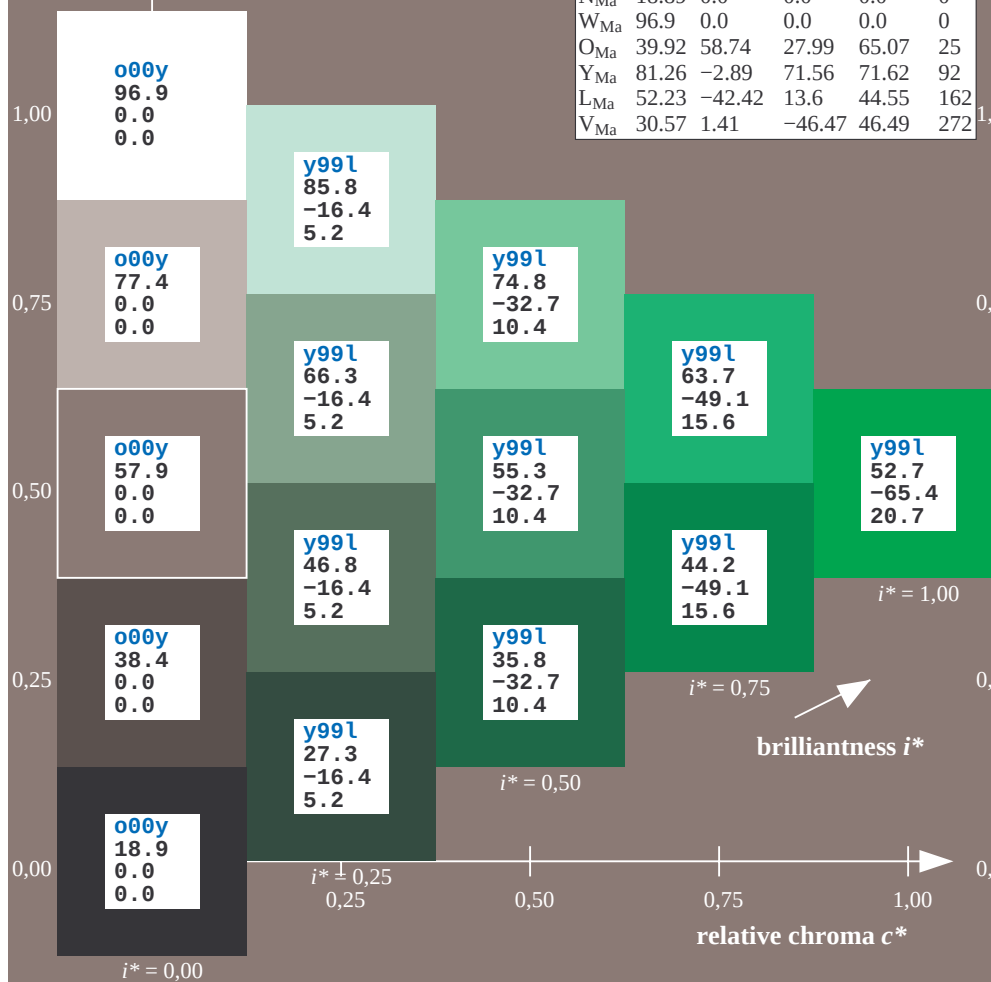
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$
 $LAB^*LAB^*_a$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$
data for any colour:

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

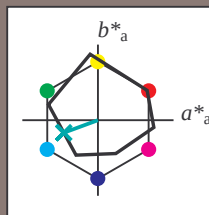
Hue texts:

$u^*_d = 150c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

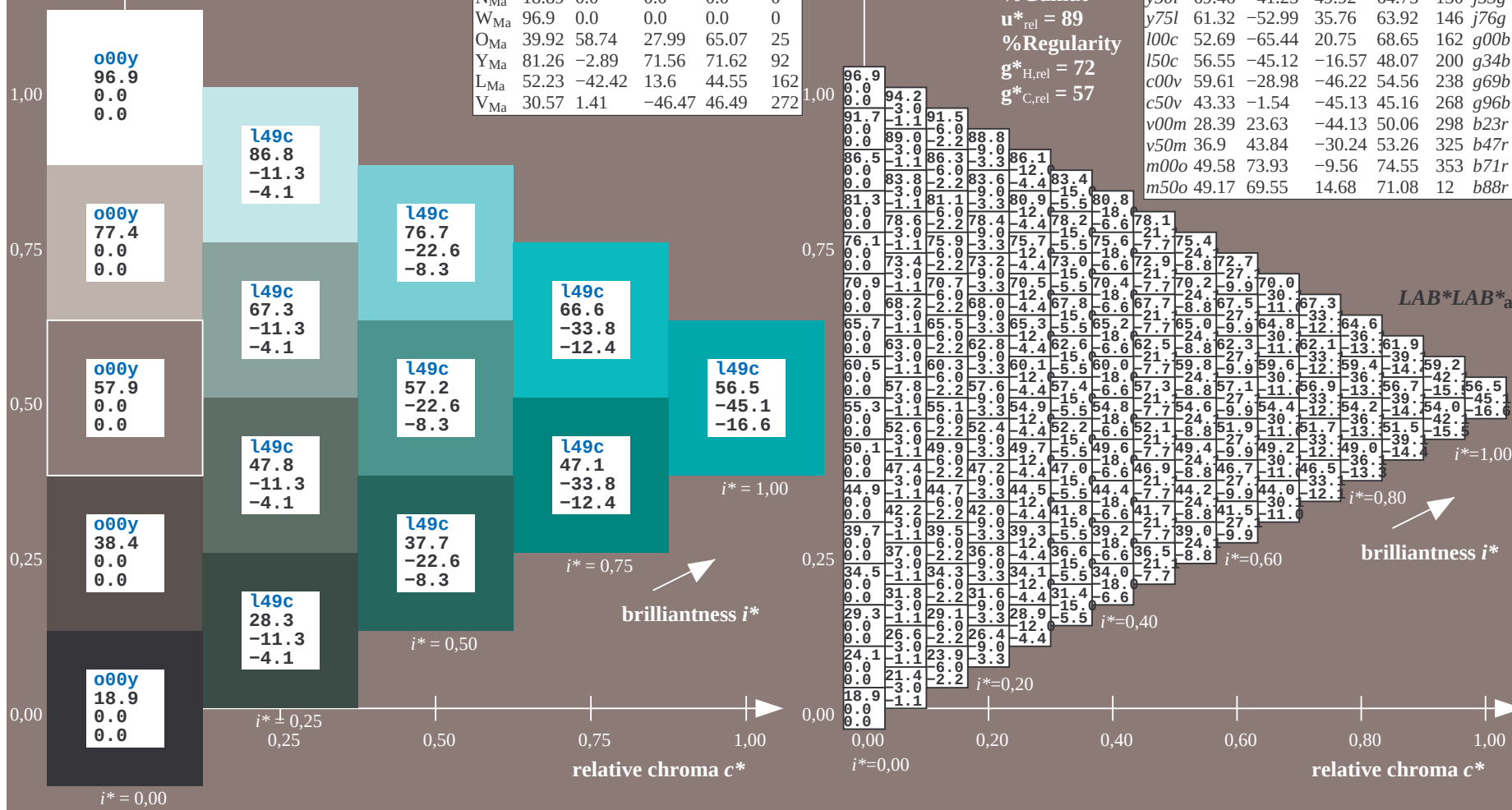
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_e

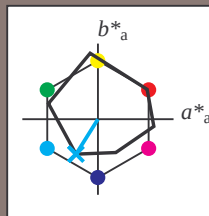
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$
 $LAB^*LAB^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	48.75	65.07	39.43	76.08	31	r08j
Y _{Ma}	90.92	-10.29	87.24	87.85	97	r33j
L _{Ma}	52.69	-65.44	20.75	68.65	162	r57j
C _{Ma}	59.61	-28.98	-46.22	54.56	238	r81j
V _{Ma}	28.39	23.63	-44.13	50.06	298	j06g
M _{Ma}	49.58	73.93	-9.56	74.55	353	j29g
N _{Ma}	18.89	0.0	0.0	0.0	0	j53g
W _{Ma}	96.9	0.0	0.0	0.0	0	j76g
O _{Ma}	39.92	58.74	27.99	65.07	25	g00b
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g34b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g69b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g96b

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

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

$i^*=1.00$

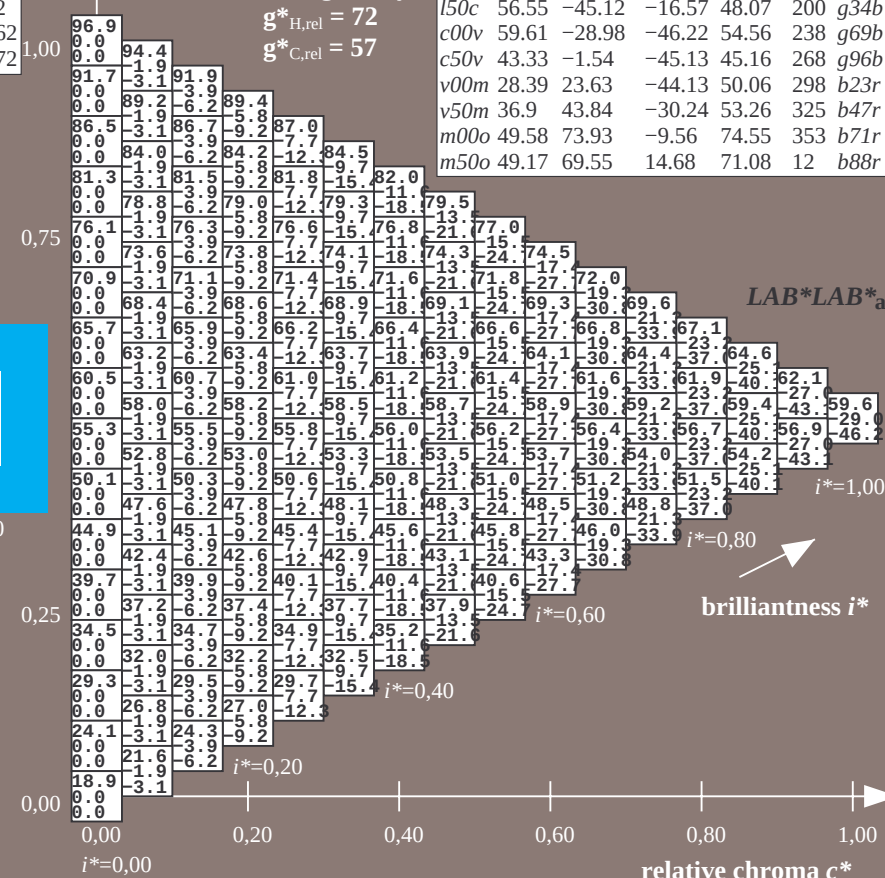
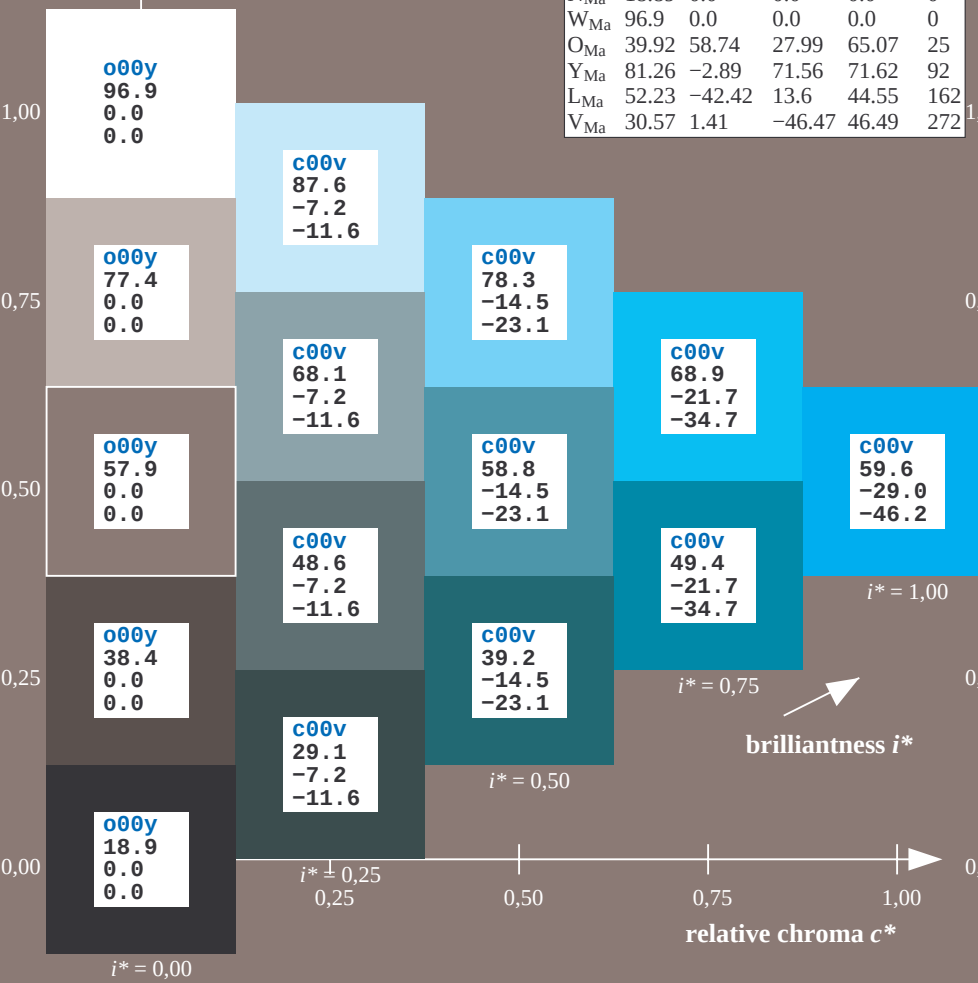
brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

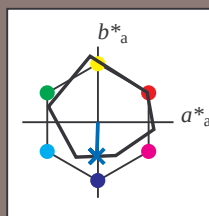
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

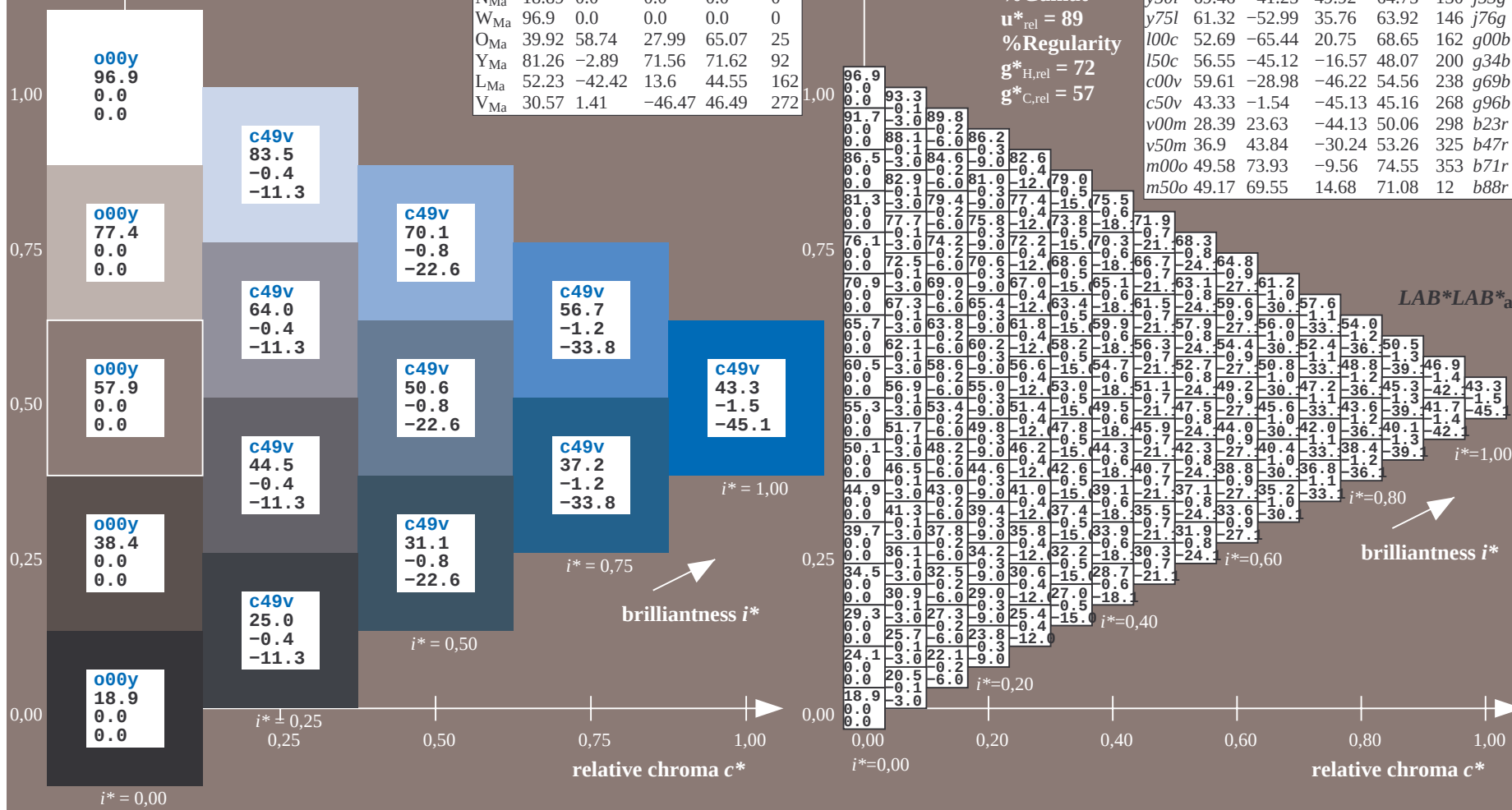
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$
 $LAB^*LAB^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

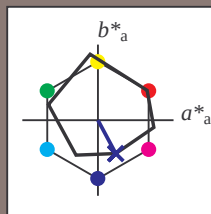
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 28 24 -44

$\text{LAB}^*\text{LCH}^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

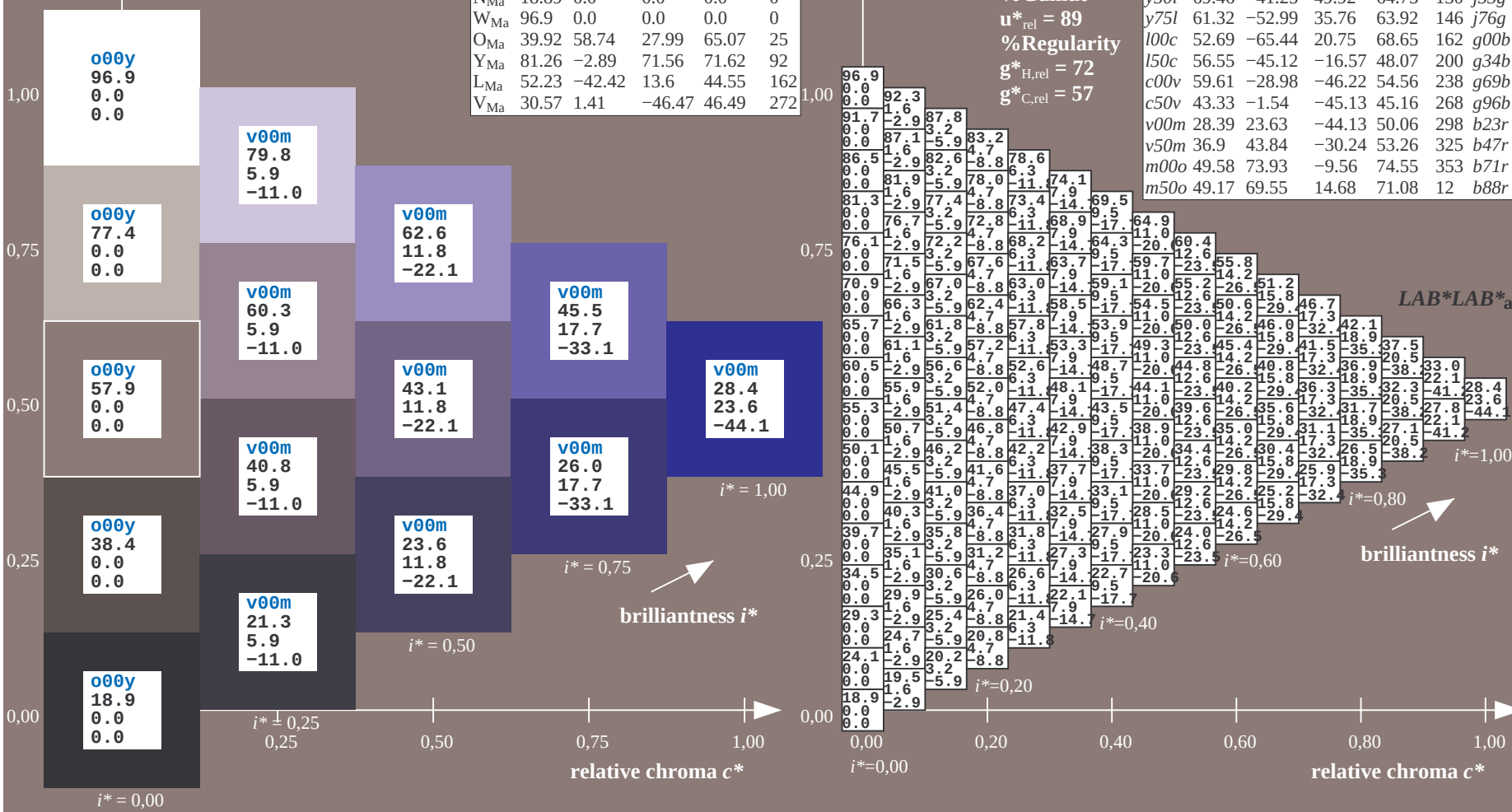
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$ data for any colour: Data for maximum colour (Ma):

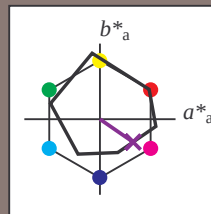
$$u_d^* = v_{50m} \frac{LAB^* LAB_a^*}{LAB^* LAB_a^*}$$

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

Hue texts:

$$u^*_d = v50m \quad u^*_e = b47r$$

contrast reduction factor:

 $C_D = 1.0$ triangle lightness t^* 

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*ME: 37 44 -30

LAB*LGIII* 35 53 325

LAB*LCH*Ma: 37 53 3

lab*olv*Ma: 0.5 0.0 1.0

$lab*rgb*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

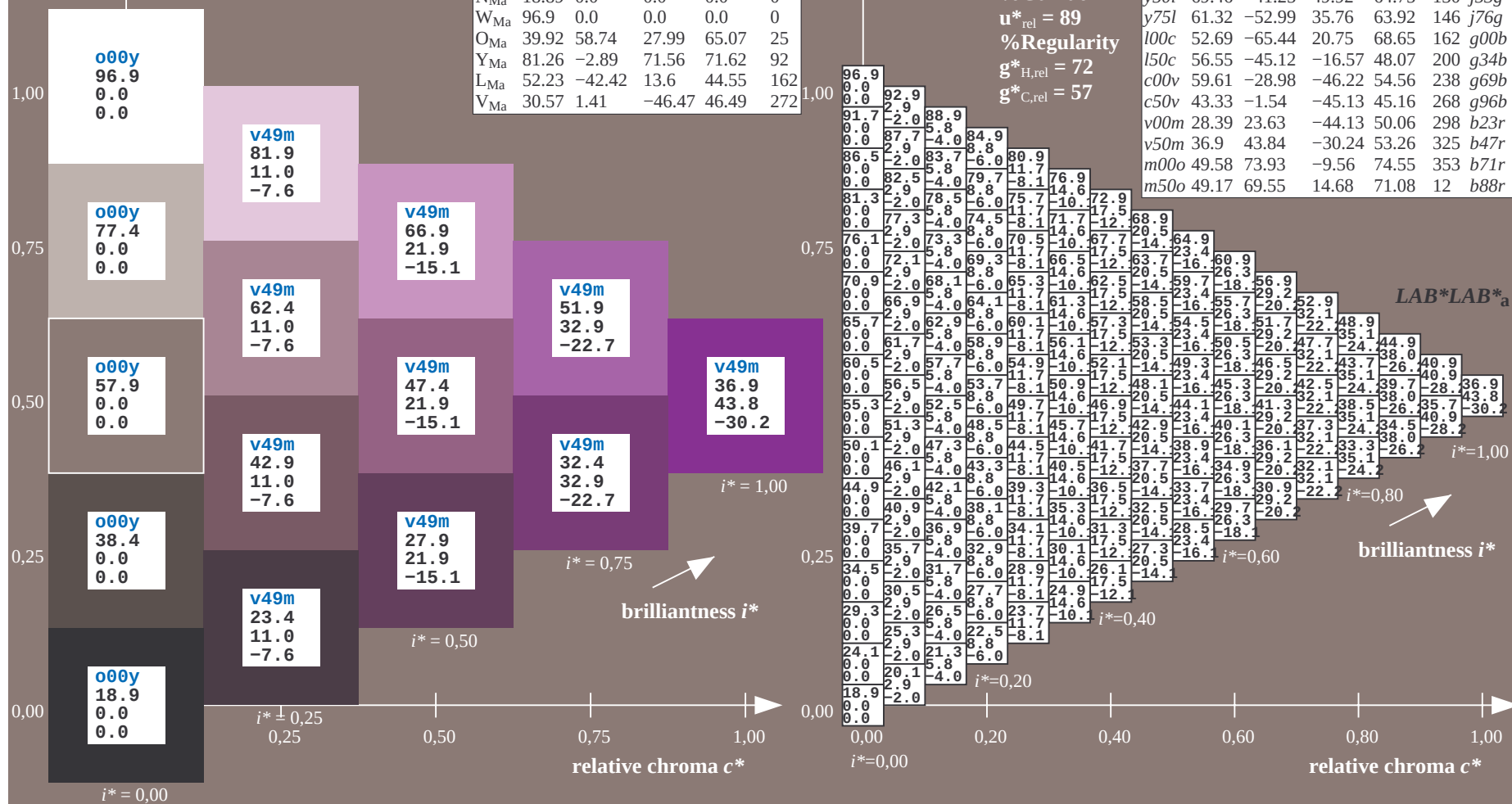
%Gamut

$$\mathbf{u}_{rel}^* = 89$$

%Regularity

$$g^*_{H_{rel}} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM-test chart Ee44; Colorimetric systems, Page 159/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

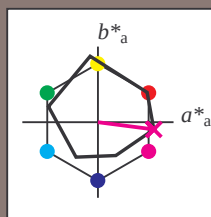
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 50 74 -10

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

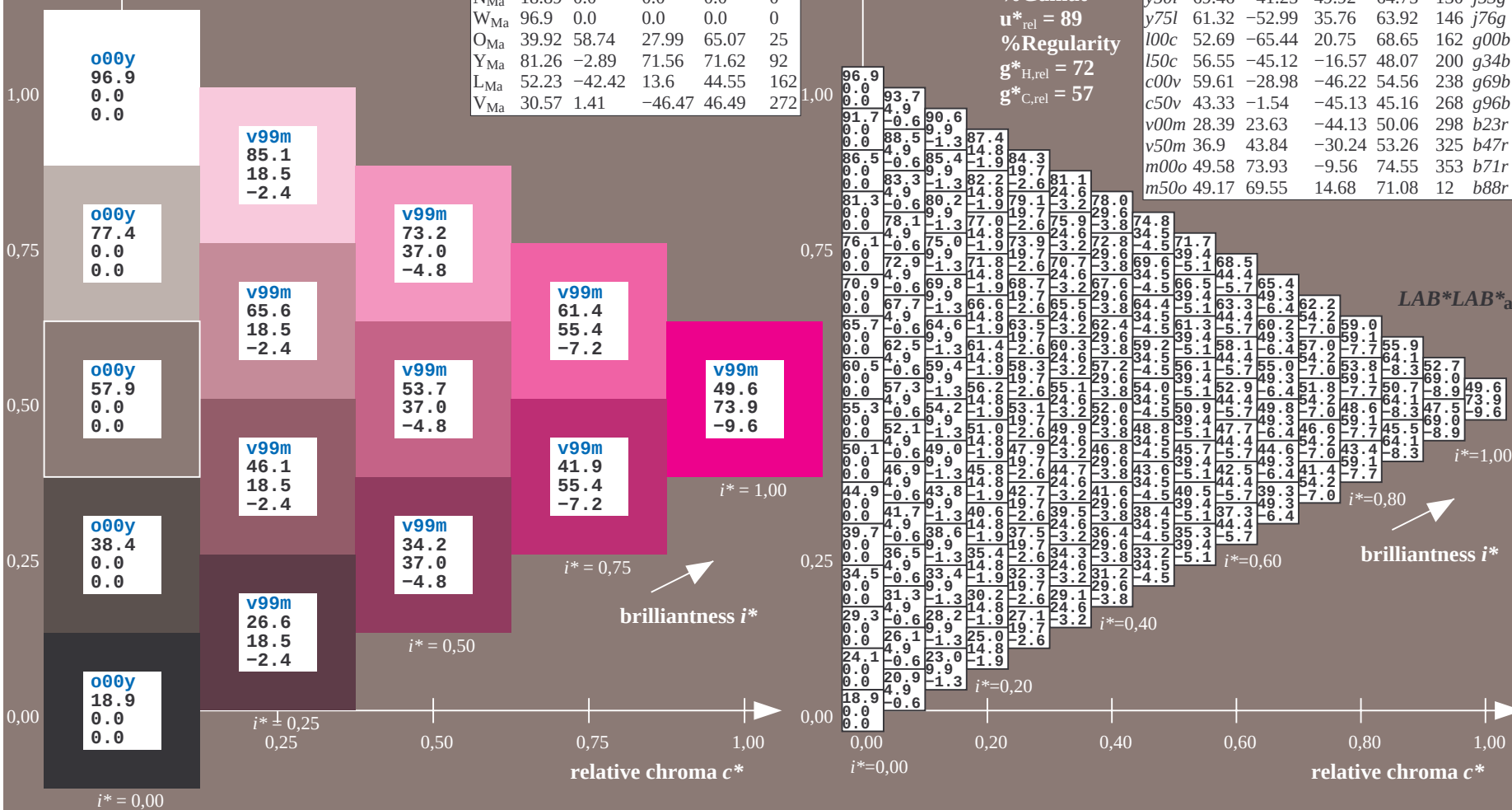
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

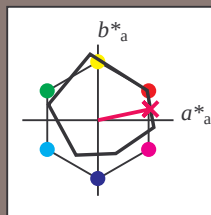
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 70 15

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 71 11

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

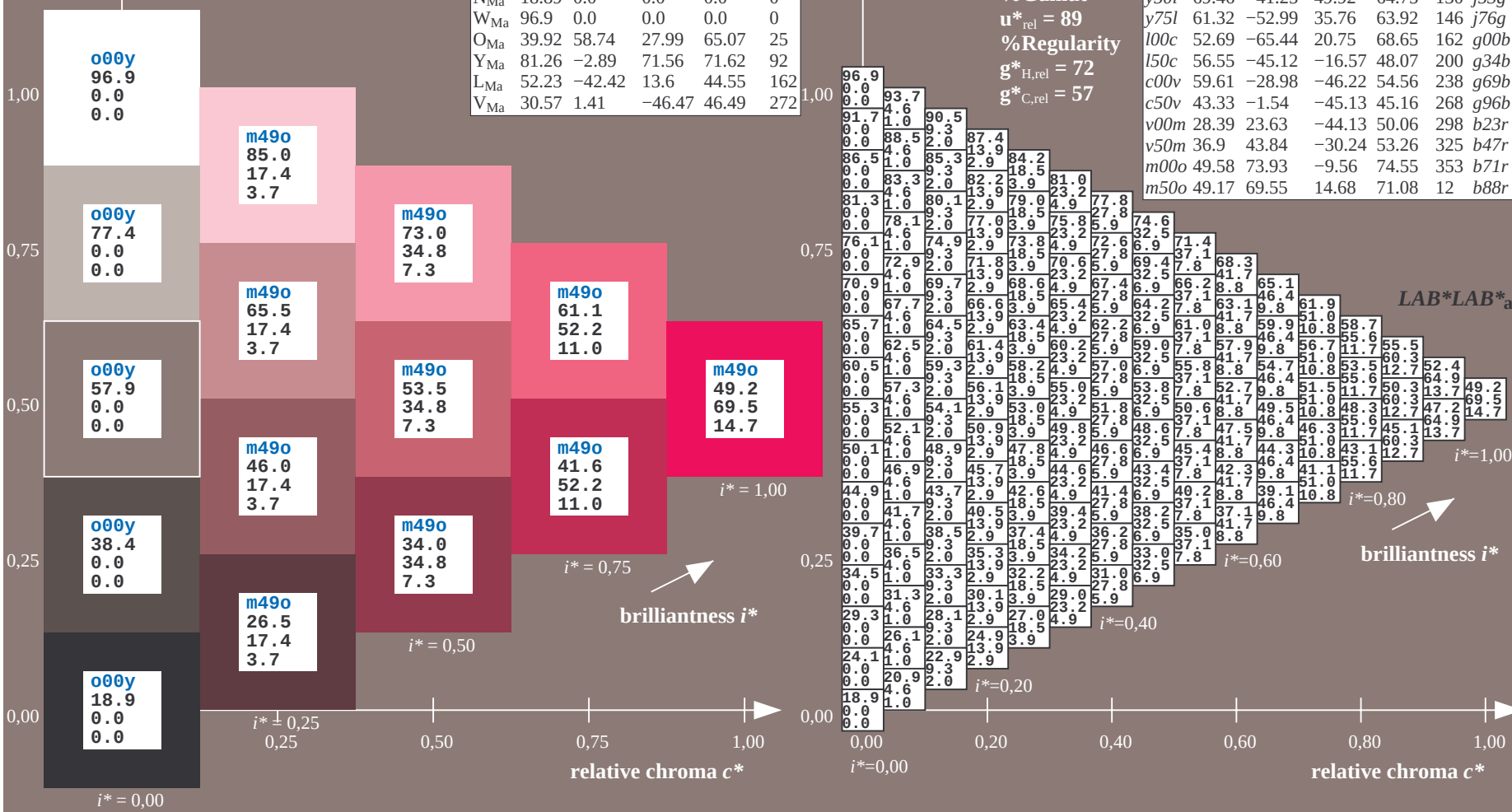
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, CIELAB, ColSpx=0

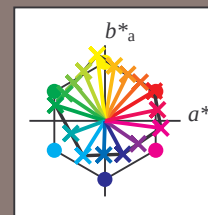
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a		
01	89.2	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	56.9	61.1	65.4	69.6	73.8	78.0	82.2	86.4	90.6	94.8	99.0	103.2	107.4	111.6	115.8	120.0	124.2	128.4	132.6	136.8	141.0	145.2	149.4	153.6	157.8	162.0	166.2	170.4	174.6	178.8	183.0
02	9.0	8.2	16.4	24.5	32.7	40.9	49.1	57.3	65.4	73.5	81.6	89.7	97.8	105.9	114.0	122.1	130.2	138.3	146.4	154.5	162.6	170.7	178.8	186.9	195.0	203.1	211.2	219.3	227.4	235.5	243.6	251.7	259.8	267.9	276.0	284.1	292.2	300.3	308.4	316.5
03	9.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	54.5	57.1	59.7	62.3	64.9	67.5	70.1	72.7	75.3	77.9	80.5	83.1	85.7	88.3	90.9	93.5	96.1	98.7	101.3
04	20.1	24.0	28.3	32.6	36.9	41.2	45.5	49.7	54.0	58.3	62.6	66.9	71.2	75.5	79.8	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1	131.4	135.7	140.0	144.3	148.6	152.9	157.2	161.5	165.8	170.1	174.4	178.7	183.0	187.3
05	3.0	-3.6	-11.3	-18.9	-26.7	-34.4	-42.2	-50.0	-57.8	-65.6	-73.4	-81.2	-89.0	-96.8	-104.6	-112.4	-120.2	-128.0	-135.8	-143.6	-151.4	-159.2	-167.0	-174.8	-182.6	-190.4	-198.2	-206.0	-213.8	-221.6	-229.4	-237.2	-245.0	-252.8	-260.6	-268.4	-276.2	-284.0	-291.8	
06	-5.5	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	54.5	57.1	59.7	62.3	64.9	67.5	70.1	72.7	75.3
07	21.3	25.0	29.1	33.4	37.7	42.1	46.4	50.7	55.0	59.3	63.6	67.9	72.2	76.5	80.8	85.1	89.4	93.7	98.0	102.3	106.6	110.9	115.2	119.5	123.8	128.1	132.4	136.7	141.0	145.3	149.6	153.9	158.2	162.5	166.8	171.1	175.4	179.7	184.0	188.3
08	5.9	0.4	-7.2	-15.0	-22.6	-30.2	-37.9	-45.6	-53.1	-60.8	-68.5	-76.2	-83.9	-91.6	-99.3	-107.0	-114.7	-122.4	-130.1	-137.8	-145.5	-153.2	-160.9	-168.6	-176.3	-184.0	-191.7	-199.4	-207.1	-214.8	-222.5	-230.2	-237.9	-245.6	-253.3	-261.0	-268.7	-276.4	-284.1	
09	-11.0	-11.3	-11.6	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	-7.6	-5.5	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3
10	22.5	26.3	29.9	34.2	38.4	42.8	47.1	51.5	55.8	60.2	64.5	68.9	73.2	77.6	81.9	86.3	90.6	94.9	99.3	103.6	107.9	112.3	116.6	120.9	125.3	129.6	133.9	138.3	142.6	146.9	151.3	155.6	159.9	164.3	168.6	172.9	177.3	181.6	185.9	190.3
11	8.9	2.4	-3.6	-10.9	-18.8	-26.3	-33.8	-41.4	-49.1	-56.8	-64.4	-72.0	-79.6	-87.2	-94.8	-102.4	-110.0	-117.6	-125.2	-132.8	-140.4	-148.0	-155.6	-163.2	-170.8	-178.4	-186.0	-193.6	-201.2	-208.8	-216.4	-224.0	-231.6	-239.2	-246.8	-254.4	-262.0	-269.6	-277.2	
12	-16.5	-16.8	-17.0	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3	-13.2	-11.6	-11.3	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	54.5
13	23.6	27.6	31.1	34.8	38.2	41.5	44.8	48.1	51.4	54.7	58.0	61.3	64.6	67.9	71.2	74.5	77.8	81.1	84.4	87.7	91.0	94.3	97.6	100.9	104.2	107.5	110.8	114.1	117.4	120.7	124.0	127.3	130.6	133.9	137.2	140.5	143.8	147.1	150.4	153.7
14	11.8	5.2	-0.8	-7.9	-14.5	-22.5	-30.1	-37.6	-45.1	-52.6	-60.1	-67.6	-75.1	-82.6	-90.1	-97.6	-105.1	-112.6	-120.1	-127.6	-135.1	-142.6	-150.1	-157.6	-165.1	-172.6	-180.1	-187.6	-195.1	-202.6	-210.1	-217.6	-225.1	-232.6	-240.1	-247.6	-255.1	-262.6		
15	-22.1	-22.3	-22.6	-22.8	-23.1	-20.9	-19.3	-18.0	-16.6	-18.7	-16.5	-16.8	-17.7	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3	-13.2	-11.6	-11.3	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	0.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	
16	24.8	28.8	32.4	35.9	39.8	44.3	48.6	52.9	57.3	61.6	65.9	70.2	74.5	78.8	83.1	87.4	91.7	96.0	100.3	104.6	108.9	113.2	117.5	121.8	126.1	130.4	134.7	139.0	143.3	147.6	151.9	156.2	160.5	164.8	169.1	173.4	177.7	182.0	186.3	190.6
17	14.8	8.0	2.0	-4.0	-10.4	-18.1	-26.2	-33.8	-41.9	-49.7	-57.5	-65.2	-72.9	-80.6	-88.3	-96.0	-103.7	-111.4	-119.1	-126.8	-134.5	-142.2	-149.9	-157.6	-165.3	-173.0	-180.7	-188.4	-196.1	-203.8	-211.5	-219.2	-226.9	-234.6	-242.3	-250.0	-257.7	-265.4	-273.1	
18	26.0	30.1	33.7	37.2	40.8	44.4	48.0	51.6	55.2	58.8	62.4	66.0	69.6	73.2	76.8	80.4	84.0	87.6	91.2	94.8	98.4	102.0	105.6	109.2	112.8	116.4	120.0	123.6	127.2	130.8	134.4	138.0	141.6	145.2	148.8	152.4	156.0	159.6	163.2	
19	17.7	10.9	4.9	-1.2	-7.2	-13.9	-21.7	-29.9	-37.6	-45.2	-52.8	-60.4	-68.0	-75.6	-83.2	-90.8	-98.4	-106.0	-113.6	-121.2	-128.8	-136.4	-144.0	-151.6	-159.2	-166.8	-174.4	-182.0	-189.6	-197.2	-204.8	-212.4	-220.0	-227.6	-235.2	-242.8	-250.4	-258.0		
20	-33.1	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-30.5	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9	-24.6	-23.9	-22.2	-22.3	-22.6	-22.8	-23.1	-23.4	-23.7	-24.0	-24.3	-24.6	-24.9	-25.2	-25.5	-25.8	-26.1	-26.4	-26.7	-27.0	-27.3	
21	27.2	31.3	35.0	38.5	42.1	45.8	49.6	53.5	57.3	61.2	65.0	68.8	72.6	76.4	80.2	84.0	87.8	91.6	95.4	99.2	103.0	106.8	110.6	114.4	118.2	122.0	125.8	129.6	133.4	137.2	141.0	144.8	148.6	152.4	156.2	160.0	163.8	167.6	171.4	
22	20.7	13.8	7.6	1.6	-4.0	-10.6	-17.4	-25.4	-33.5	-41.6	-49.7	-57.8	-65.9	-74.0	-82.1	-90.2	-98.3	-106.4	-114.5	-122.6	-130.7	-138.8	-146.9	-155.0	-163.1	-171.2	-179.3	-187.4	-195.5	-203.6	-211.7	-219.8	-227.9	-236.0	-244.1	-252.2	-260.3	-268.4		
23	-38.6	-38.9	-39.1	-39.4	-39.6	-39.9	-40.1	-40.4	-37.9	-35.3	-33.3	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-31.9	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9	-24.6	-23.9	-22.2	-22.3	-22.6	-22.8	-23.1	-23.4	-23.7	-24.0		
24	28.4	32.5	36.2	39.9	43.8	47.9	52.0	56.1	60.2	64.3	68.4	72.5	76.6	80.7	84.8	88.9	93.0	97.1	101.2	105.3	109.4	113.5	117.6	121.7	125.8	129.9	134.0	138.1	142.2	146.3	150.4	154.5	158.6	162.7	166.8	170.9	175.0	179.1	183.2	
25	32.6	16.7	10.4	4.4	-1.5	-7.6	-14.0	-21.0	-29.0	-36.8	-44.9	-52.7	-60.4	-68.1	-75.8	-83.5	-91.2	-98.9	-106.6	-114.3	-122.0	-129.7	-137.4	-145.1	-152.8	-160.5	-168.2	-175.9	-183.6	-191.3	-199.0	-206.7	-214.4	-222.1	-229.8	-237.5	-245.2	-252.9		
26	-44.1	-44.4	-44.7	-44.9	-45.1	-45.4	-45.6	-45.9	-46.2	-40.8	-38.6	-38.9	-39.1	-39.4	-39.6	-39.9	-40.1	-40.4	-37.9	-35.3	-33.3	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-31.9	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9		
27	36.1	35.1	39.8	45.9	52.9	59.8	66.8	73.8	80.8	87.8	94.8	101.8	108.8	115.8	122.8	129.8	136.8	143.8	150.8	157.8	164.8	171.8	178.8	185.8	192.8	199.8	206.8	213.8	220.8	227.8	234.8	241.8	248.8	255.8	262.8	269.8	276.8	283.8	290.8	
28	14.4	15.5	7.0	-3.9	-14.1	-22.7	-30.9	-39.1	-47.2	-55.3	-63.4	-71.5	-79.6	-87.7	-95.8	-103.9	-112.0	-120.1	-128.2	-136.3	-144.4	-152.5	-160.6	-168.7	-176.8	-184.9	-193.0	-201.1	-209.2	-217.3	-225.4	-233.5	-241.6	-249.7	-257.8	-265.9	-274.0	-282.1		
29	14.8	20.5	25.8	32.7	39.2	46.1	53.0	60.0	66.9	73.8	80.7	87.6	94.5	101.4	108.3	115.2	122.1	129.0	135.9	142.8	149.7	156.6	163.5	170.4	177.3	184.2	191.1	198.0	204.9	211.8	218.7	225.6	232.5	239.4	246.3	253.2	260.1	267.0		
30	2.2	3.6	1.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	84.0	88.3	92.6	96.9	101.2	105.5	109.8	114.1	118.4	122.7	127.0	131.3	135.6	139.9	144.2	148.5	152.8	157.1	161.4	165.7	170.0	174.3	178.6	182.9	187.2		
31	25.5	16.3	7.5	-2.6	-12.3	-20.6	-28.7	-36.8	-44.9	-52.9	-60.9	-68.9	-76.9	-84.9	-92.9	-100.9	-108.9	-116.9	-124.9	-132.9	-140.9	-148.9	-156.9	-164.9	-172.9	-180.9	-188.9	-196.9	-204.9	-212.9	-220.9	-228.9	-236.9	-244.9	-252.9	-260.9	-268.9			
32	8.5	9.9	15.4	21.8	28.2	34.6	41.0	47.4	53.8	60.2	66.6	73.0	79.4	85.8	92.2	98.6	105.0	111.4	117.8	124.2	130.6	137.0	143.4	149.8	156.2	162.6	169.0	175.4												

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

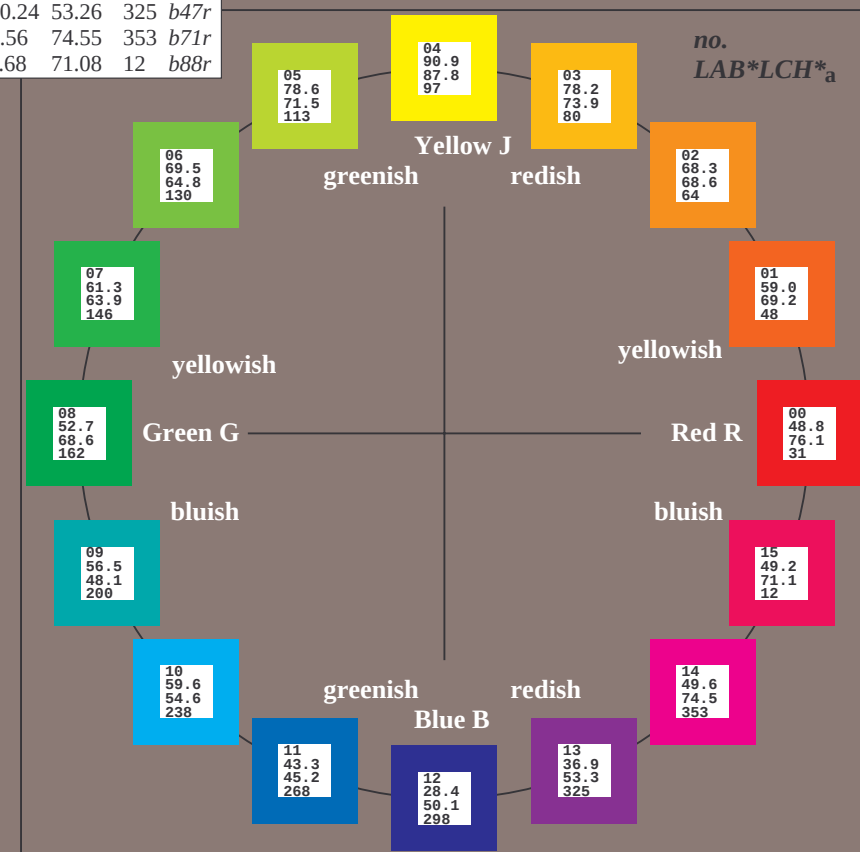
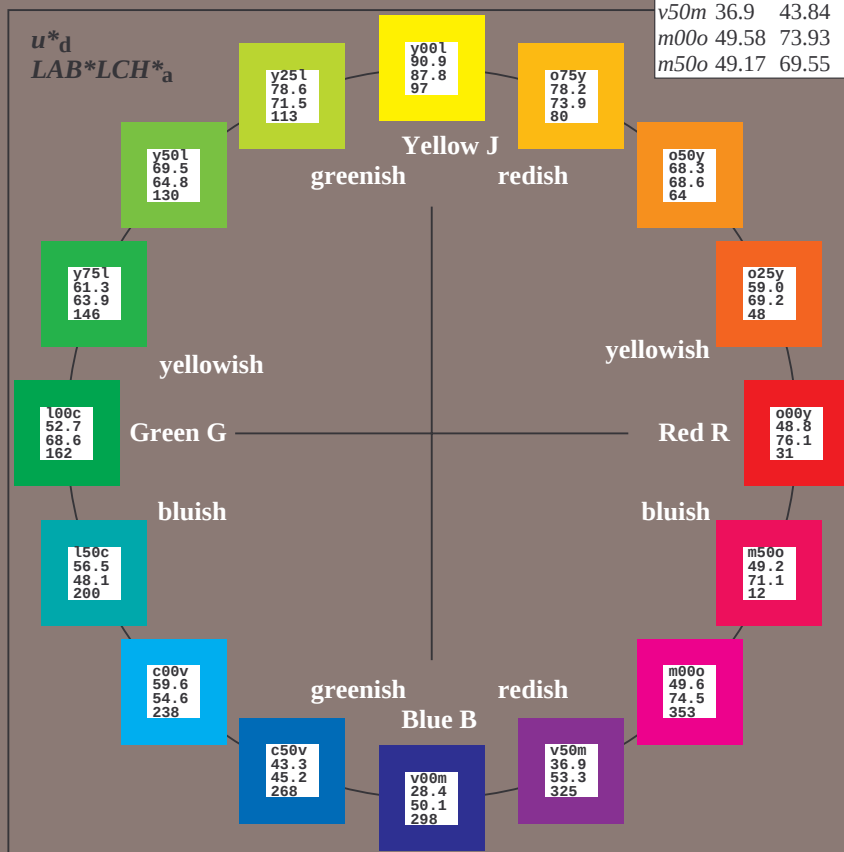
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

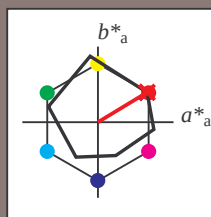
ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



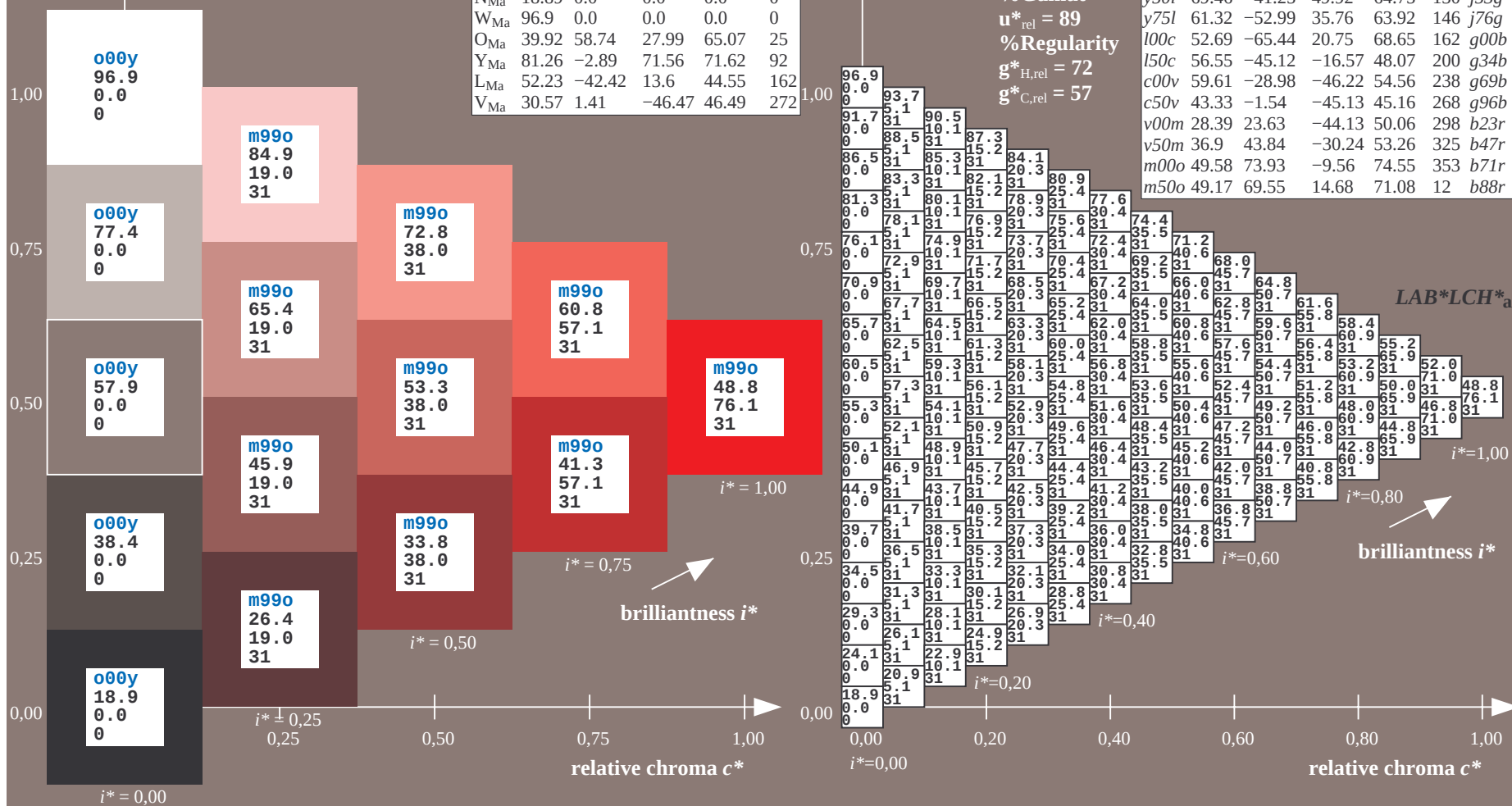
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39
 $LAB^*LCH^*_{Ma}$: 49 76 31
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.0
 $lab^*rgb^*_{Ma}$: 1.0 0.09 0.0
triangle lightness t^*

%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

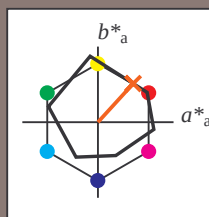
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 59 47 51

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

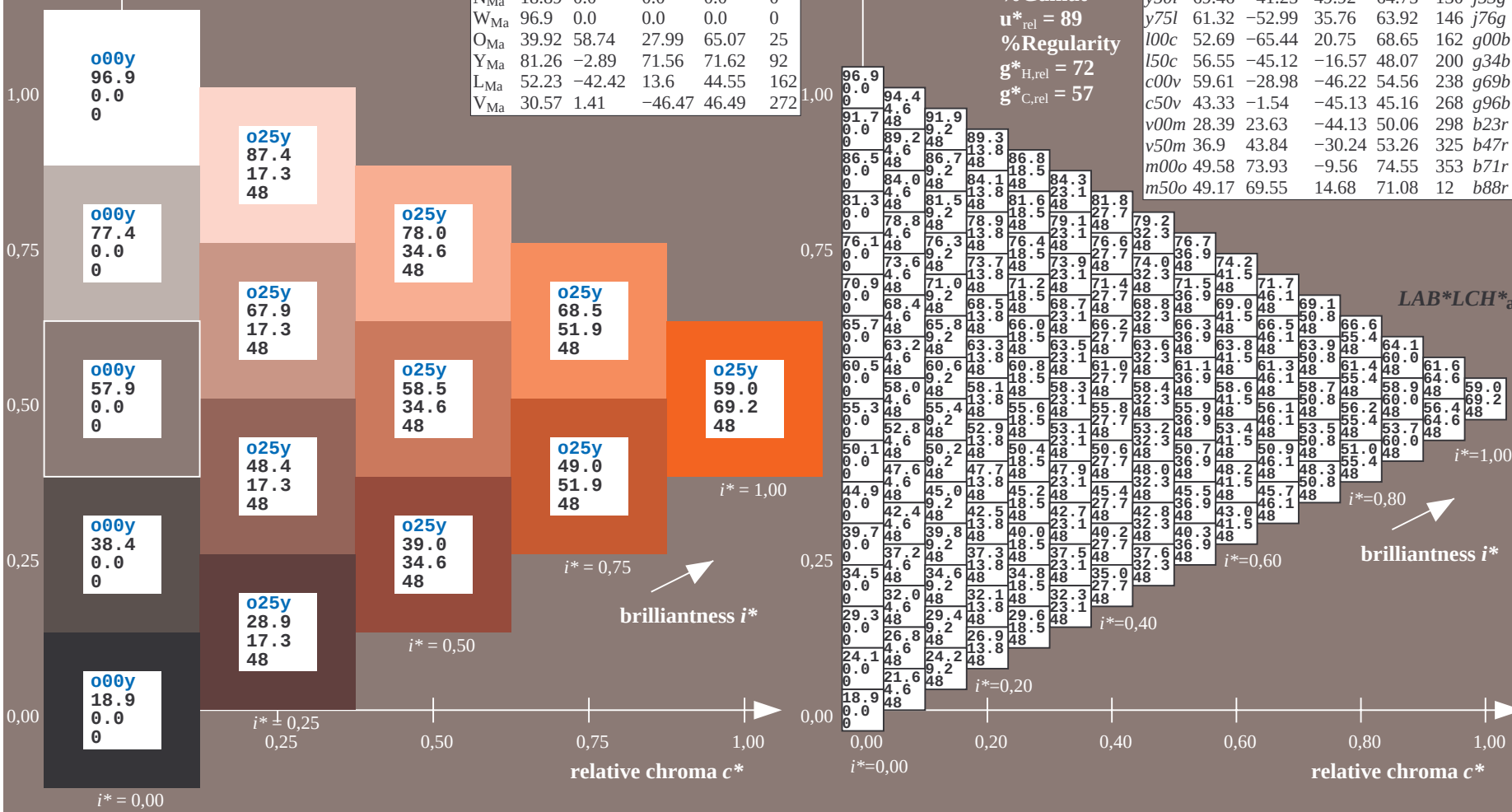
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_e

o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	64	r33j
o50y	68.32	30.09	61.62	68.58	48	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

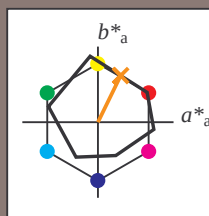
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o50y$
 $LAB^*LCH^*_{Ma}$

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

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

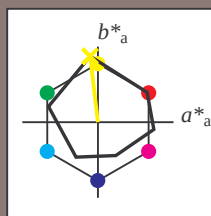
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 91 -10 87

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 91 88 96

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y00l$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$

$\text{LAB}^*\text{LCH}^*_{\text{a}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

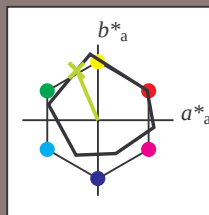
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{Ma}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

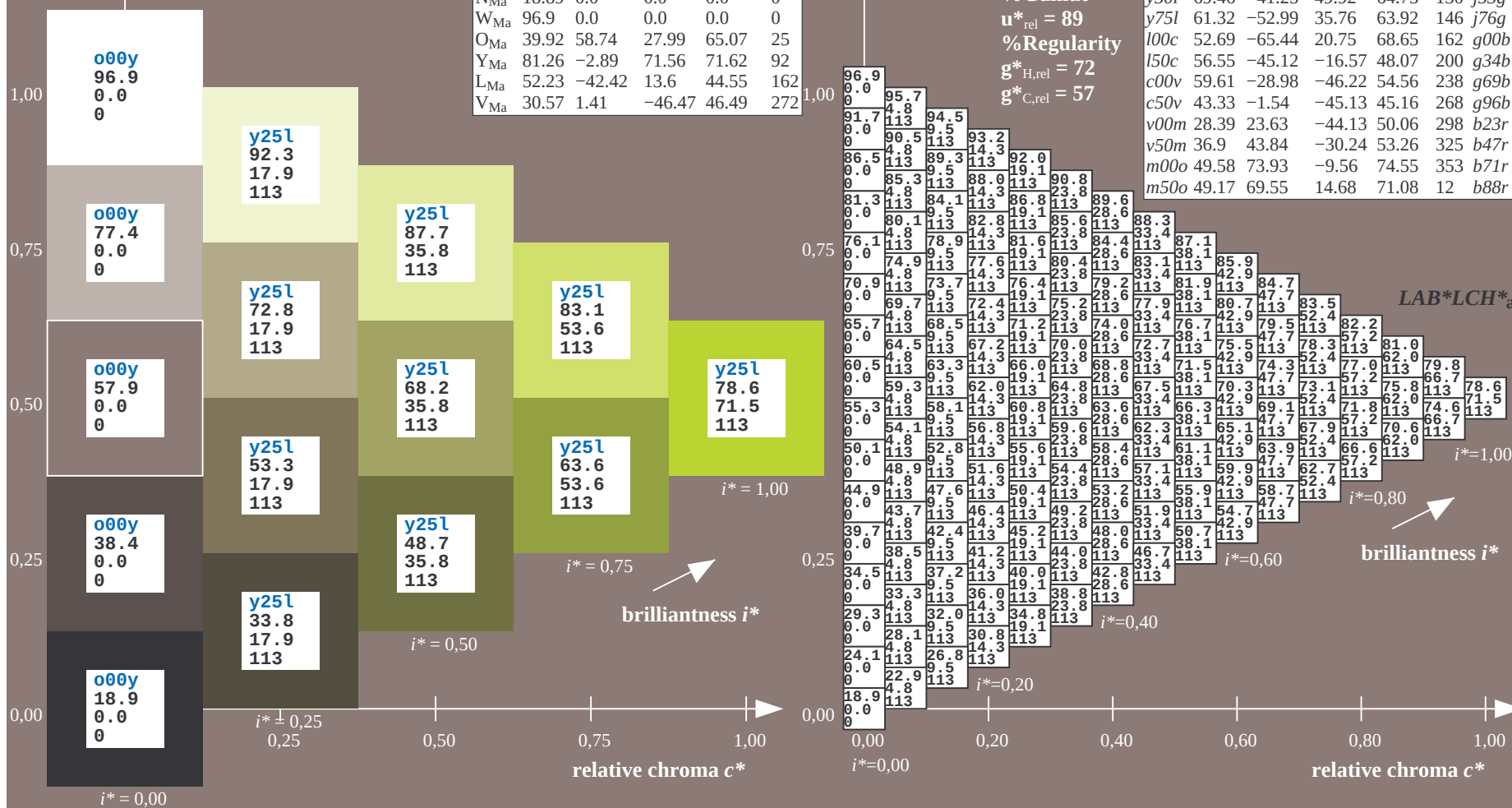
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = y25l$
 $\text{LAB}^*\text{LCH}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

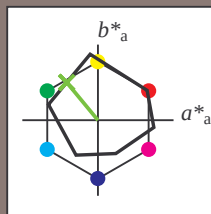
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 69 -41 50

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 69 65 129

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

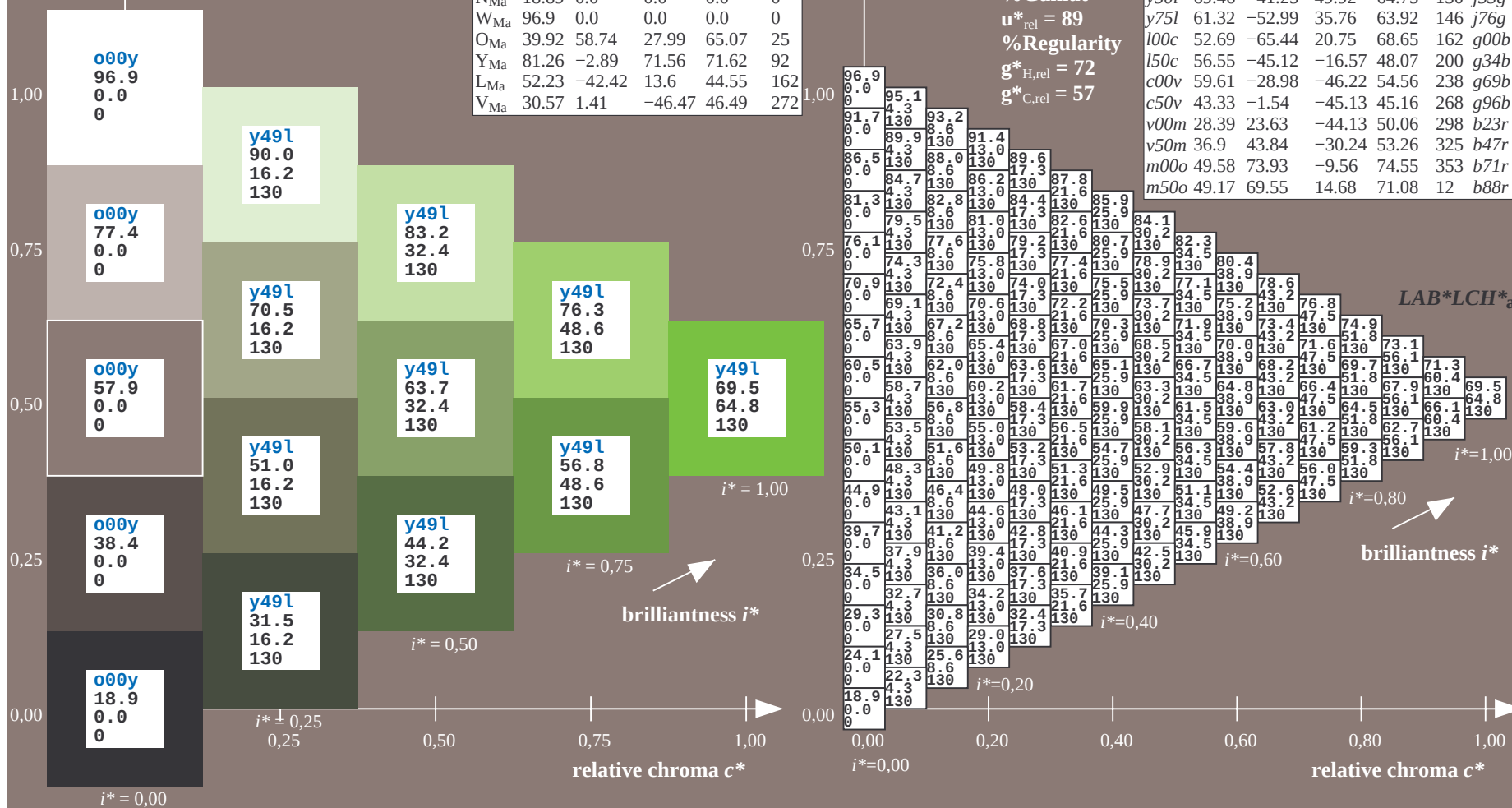
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y50l$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

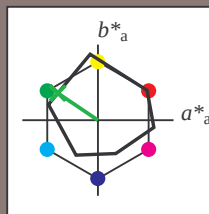
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

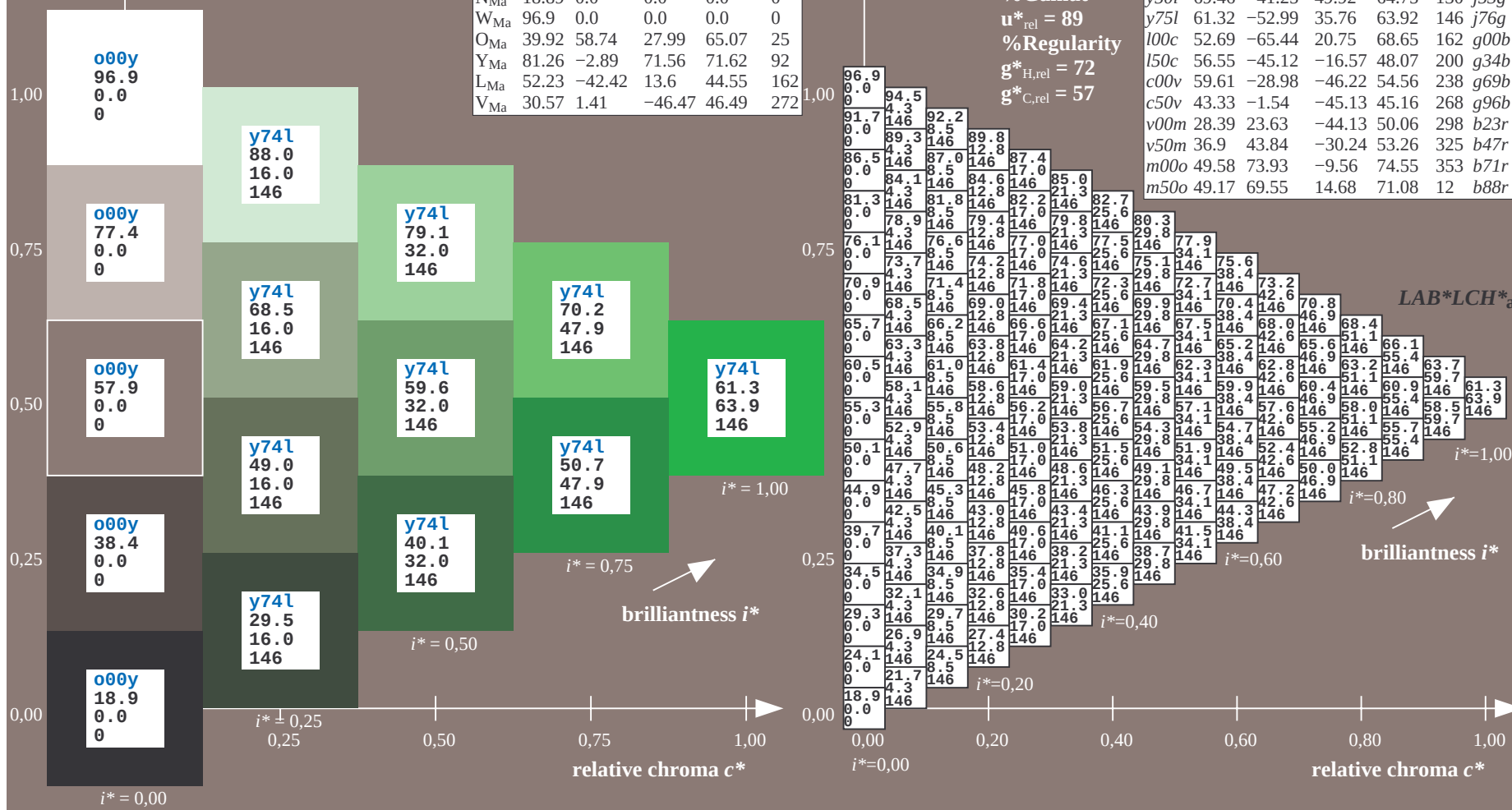
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

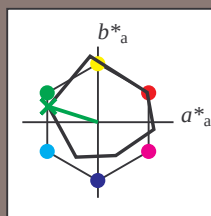
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

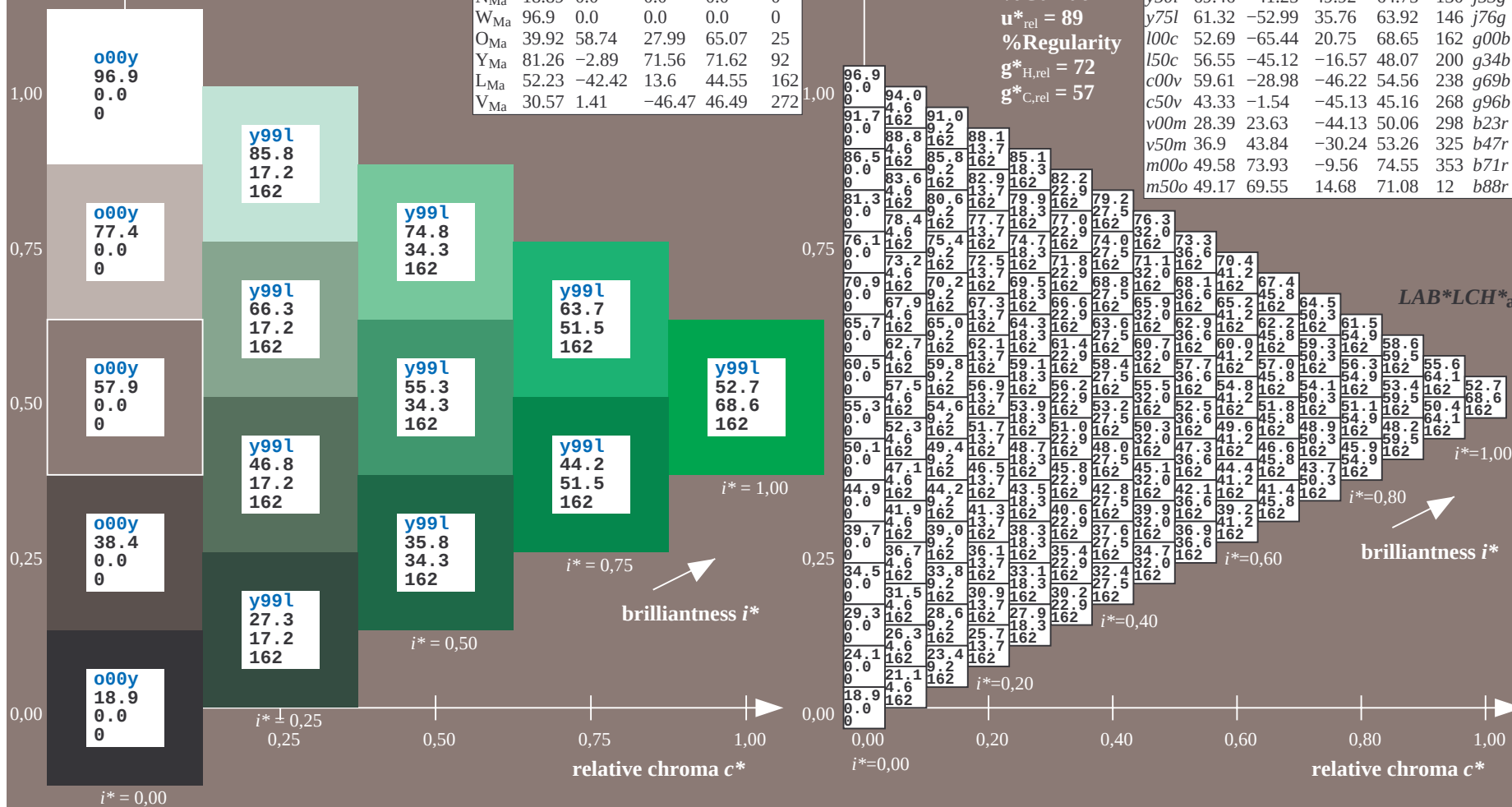
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	48.75	65.07	39.43	76.08	31
o25y	59.04	46.67	51.1	69.21	48
o50y	68.32	30.09	61.62	68.58	64
o75y	78.23	12.39	72.85	73.9	80
y00l	90.92	-10.29	87.24	87.85	97
y25l	78.57	-28.11	65.75	71.51	113
y50l	69.46	-41.25	49.92	64.75	130
y75l	61.32	-52.99	35.76	63.92	146
l00c	52.69	-65.44	20.75	68.65	162
l50c	56.55	-45.12	-16.57	48.07	200
c00v	59.61	-28.98	-46.22	54.56	238
c50v	43.33	-1.54	-45.13	45.16	268
v00m	28.39	23.63	-44.13	50.06	298
v50m	36.9	43.84	-30.24	53.26	325
m00o	49.58	73.93	-9.56	74.55	353
m50o	49.17	69.55	14.68	71.08	12

$u^*_d = 100c$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

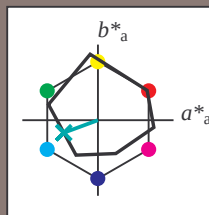
Hue texts:

$u^*_d = l50c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

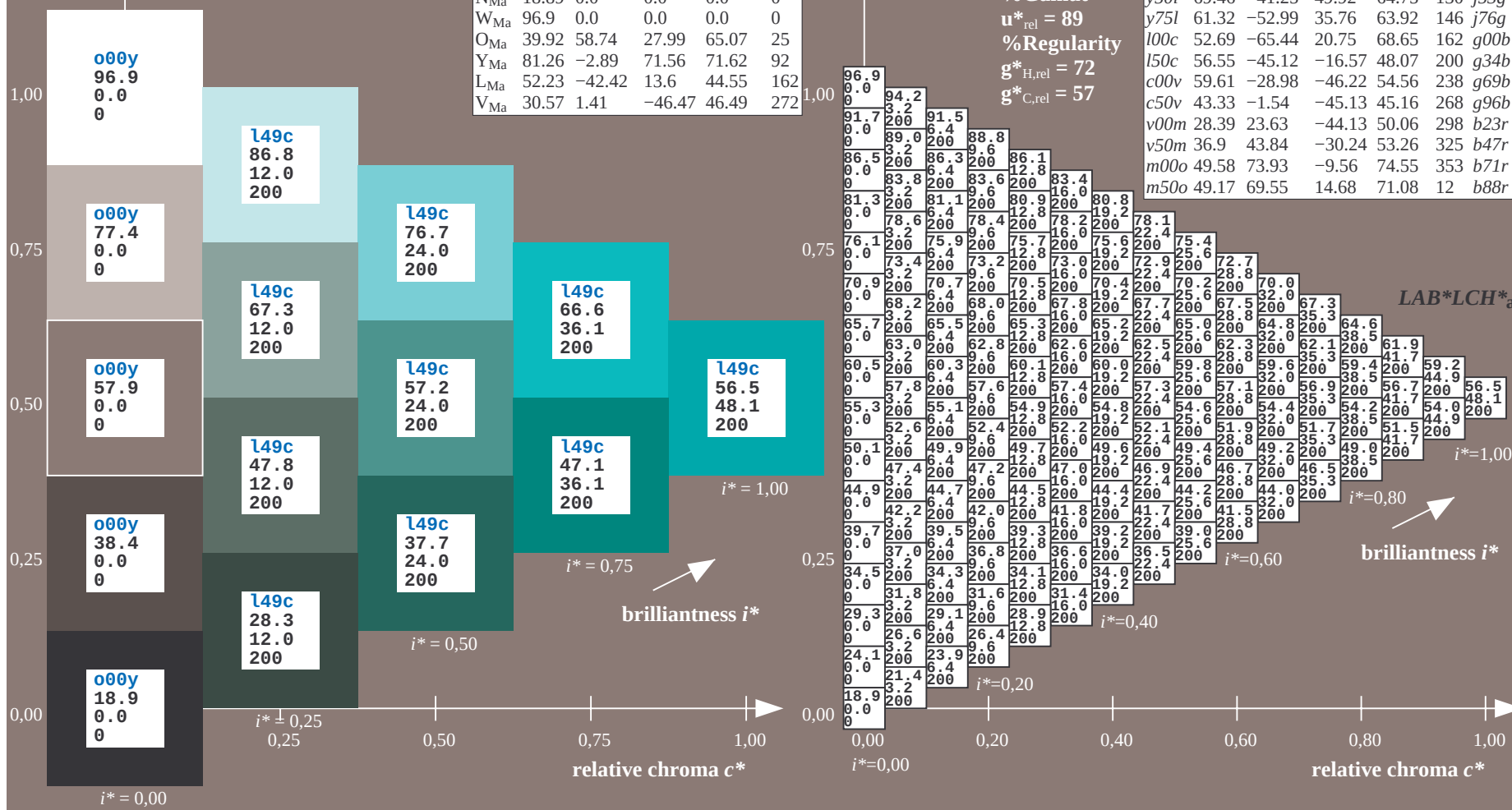
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = l50c$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

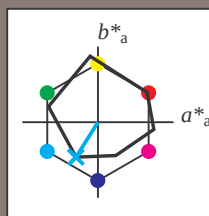
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = c00v$
 $LAB^*LCH^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

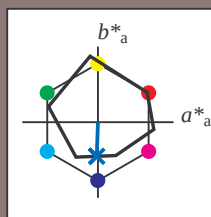
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

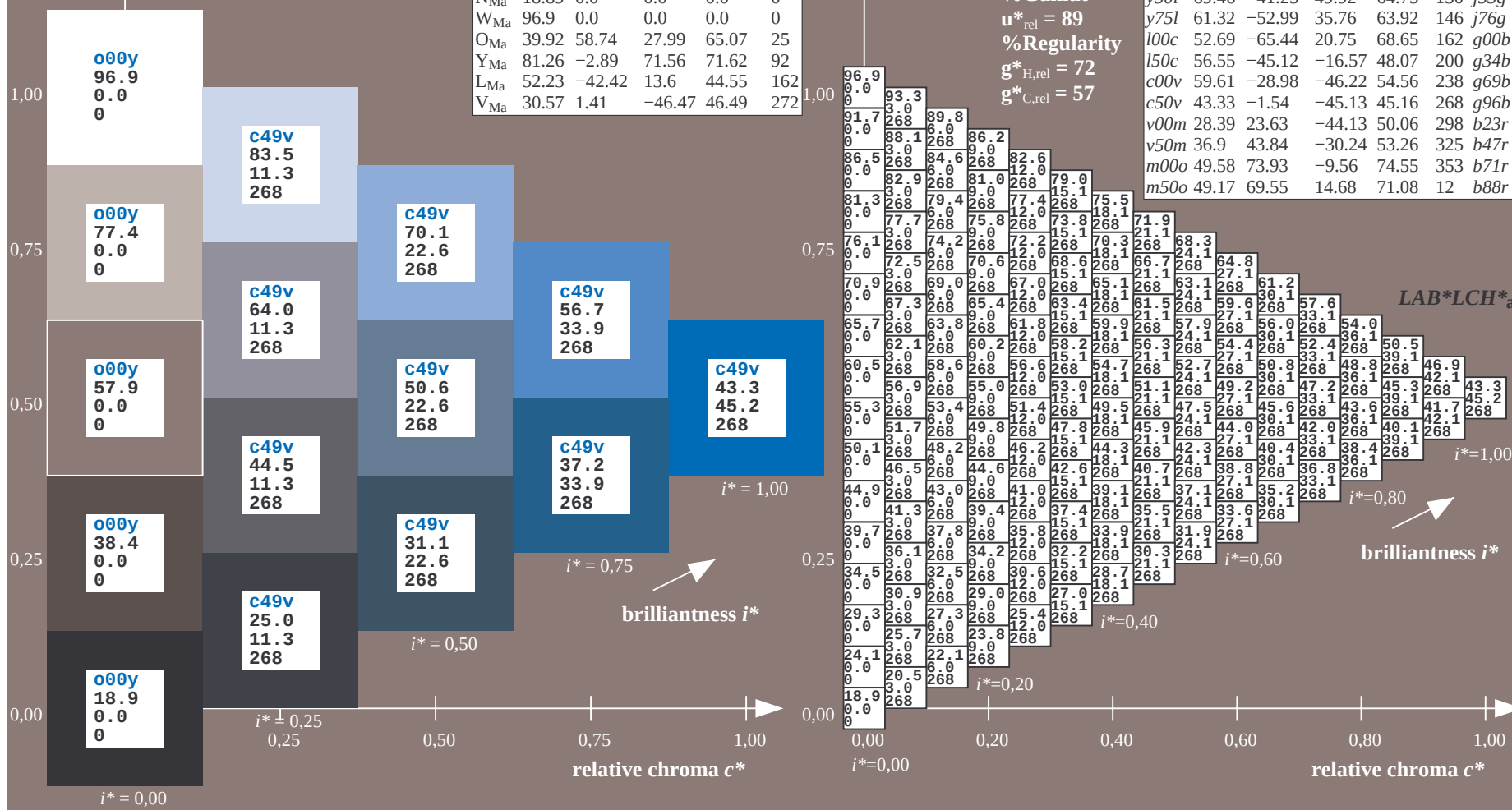
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	68		r33j
o50y	68.32	30.09	61.62	68.58	44		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = c50v$
 $LAB^*LCH^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

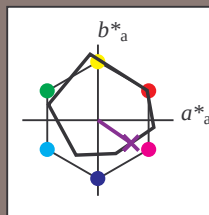
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 37 44 -30

$\text{LAB}^*\text{LCH}^*_{Ma}$: 37 53 325

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

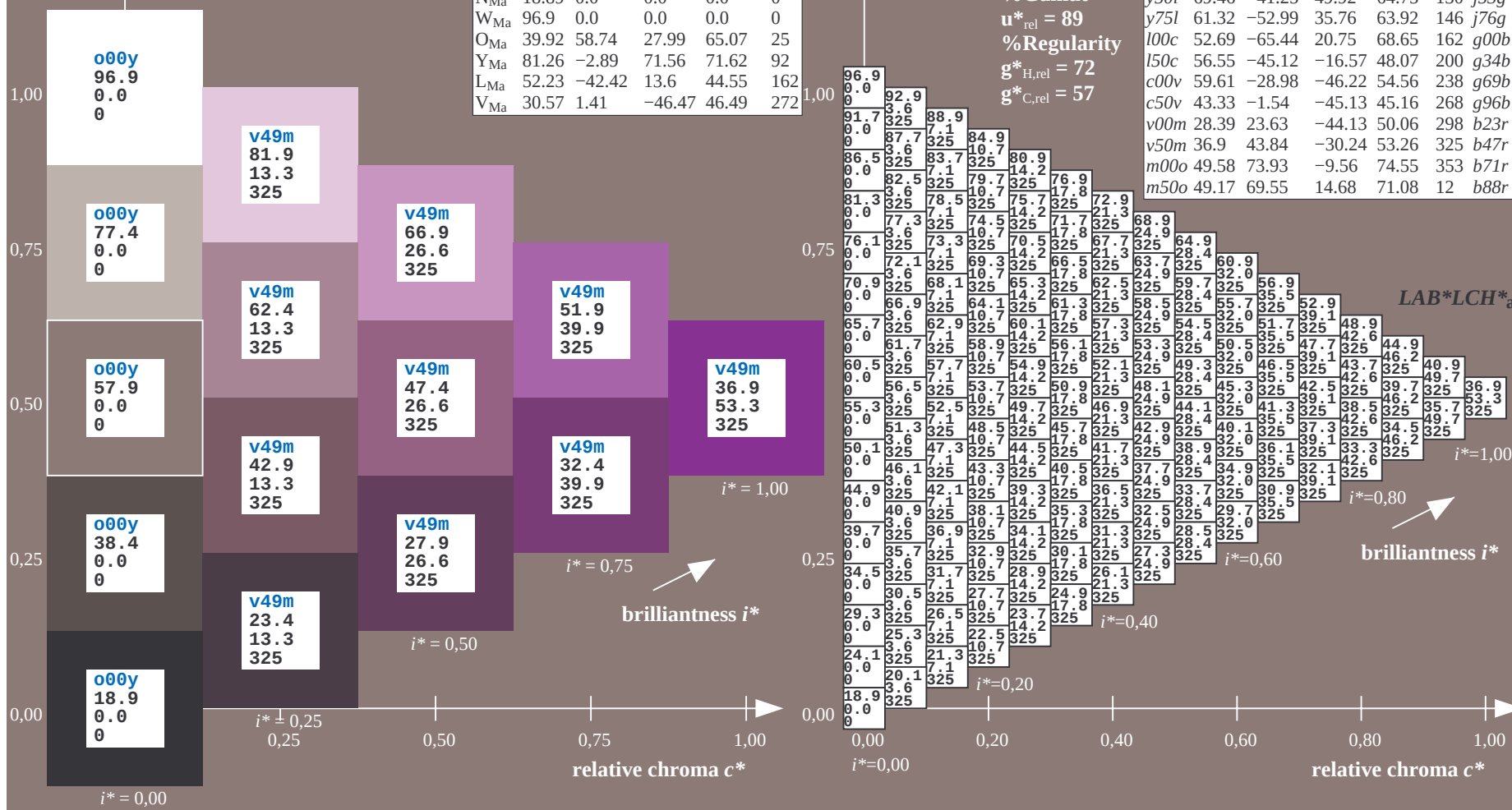
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = v50m$
 $\text{LAB}^*\text{LCH}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

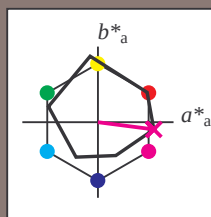
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	48.75	65.07	39.43	76.08	31	r08j
Y _{Ma}	90.92	-10.29	87.24	87.85	97	r33j
L _{Ma}	52.69	-65.44	20.75	68.65	162	r57j
C _{Ma}	59.61	-28.98	-46.22	54.56	238	r81j
V _{Ma}	28.39	23.63	-44.13	50.06	298	j06g
M _{Ma}	49.58	73.93	-9.56	74.55	353	j29g
N _{Ma}	18.89	0.0	0.0	0.0	0	j53g
W _{Ma}	96.9	0.0	0.0	0.0	0	j76g
O _{Ma}	39.92	58.74	27.99	65.07	25	g00b
Y _{Ma}	81.26	-2.89	71.56	71.62	92	g34b
L _{Ma}	52.23	-42.42	13.6	44.55	162	g69b
V _{Ma}	30.57	1.41	-46.47	46.49	272	g96b

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 50 74 -10

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 50 75 352

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

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

triangle lightness t^*

%Gamut

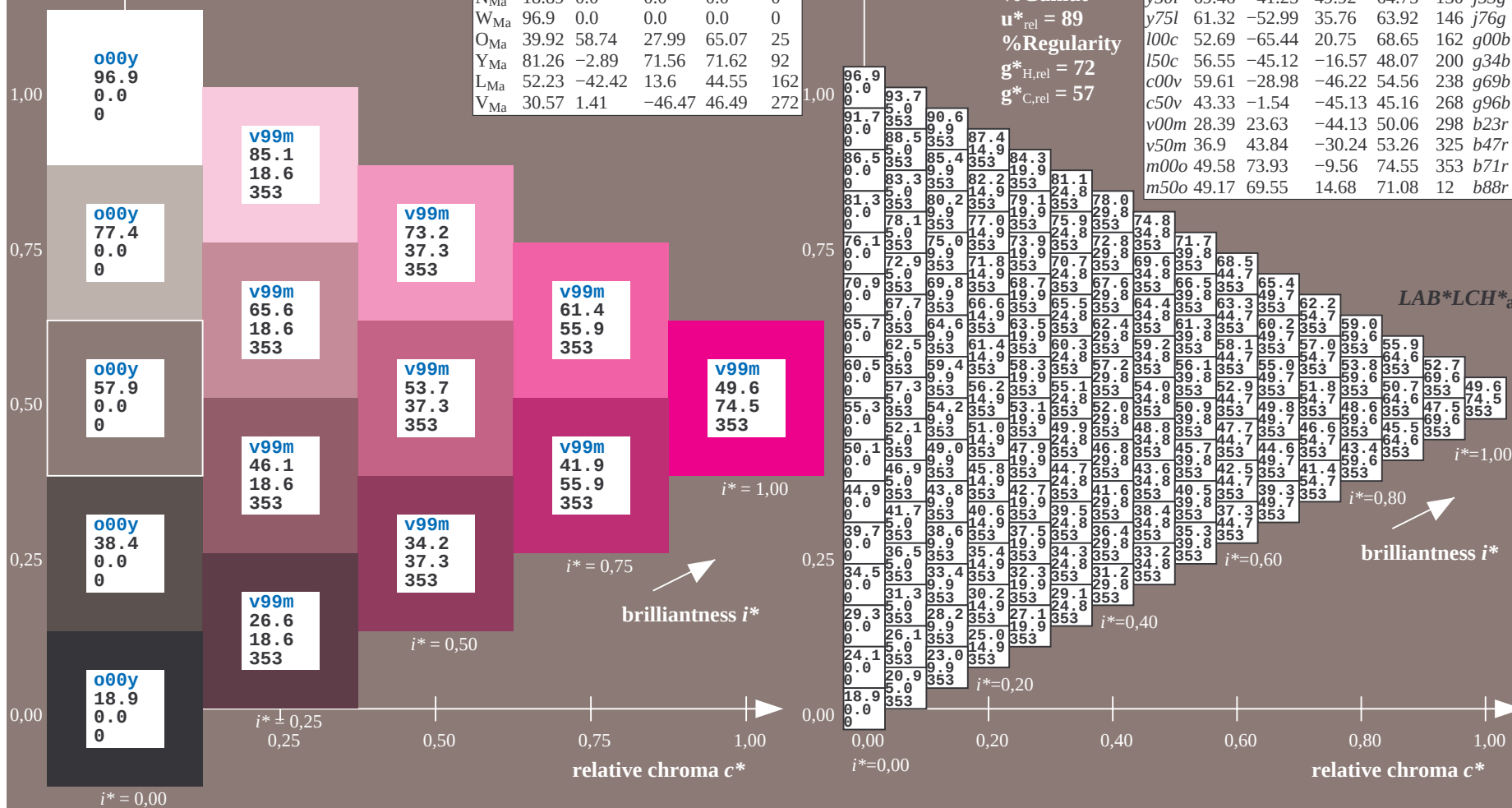
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



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

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

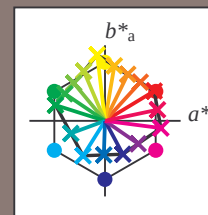
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

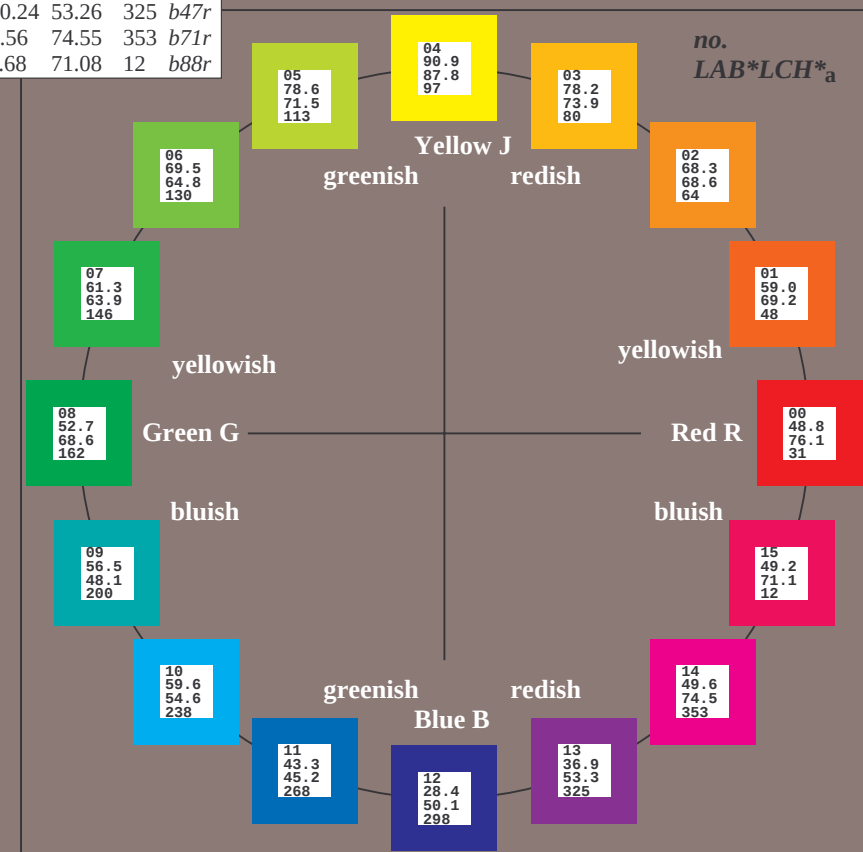
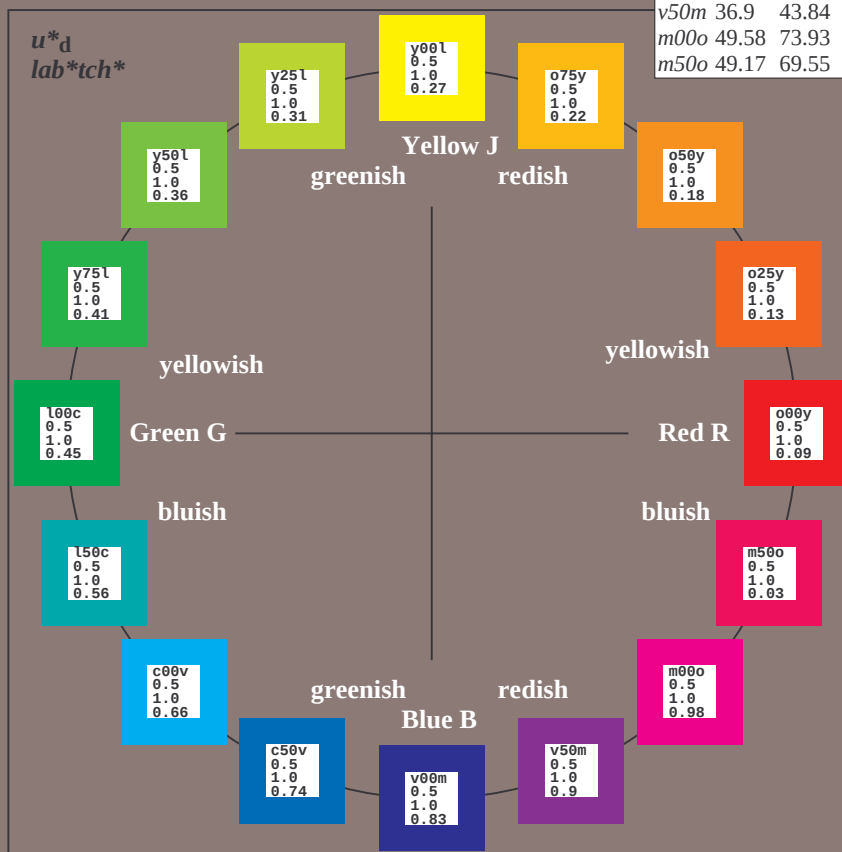
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

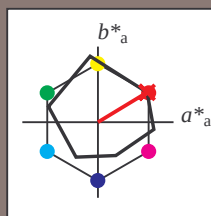
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

% Gamut

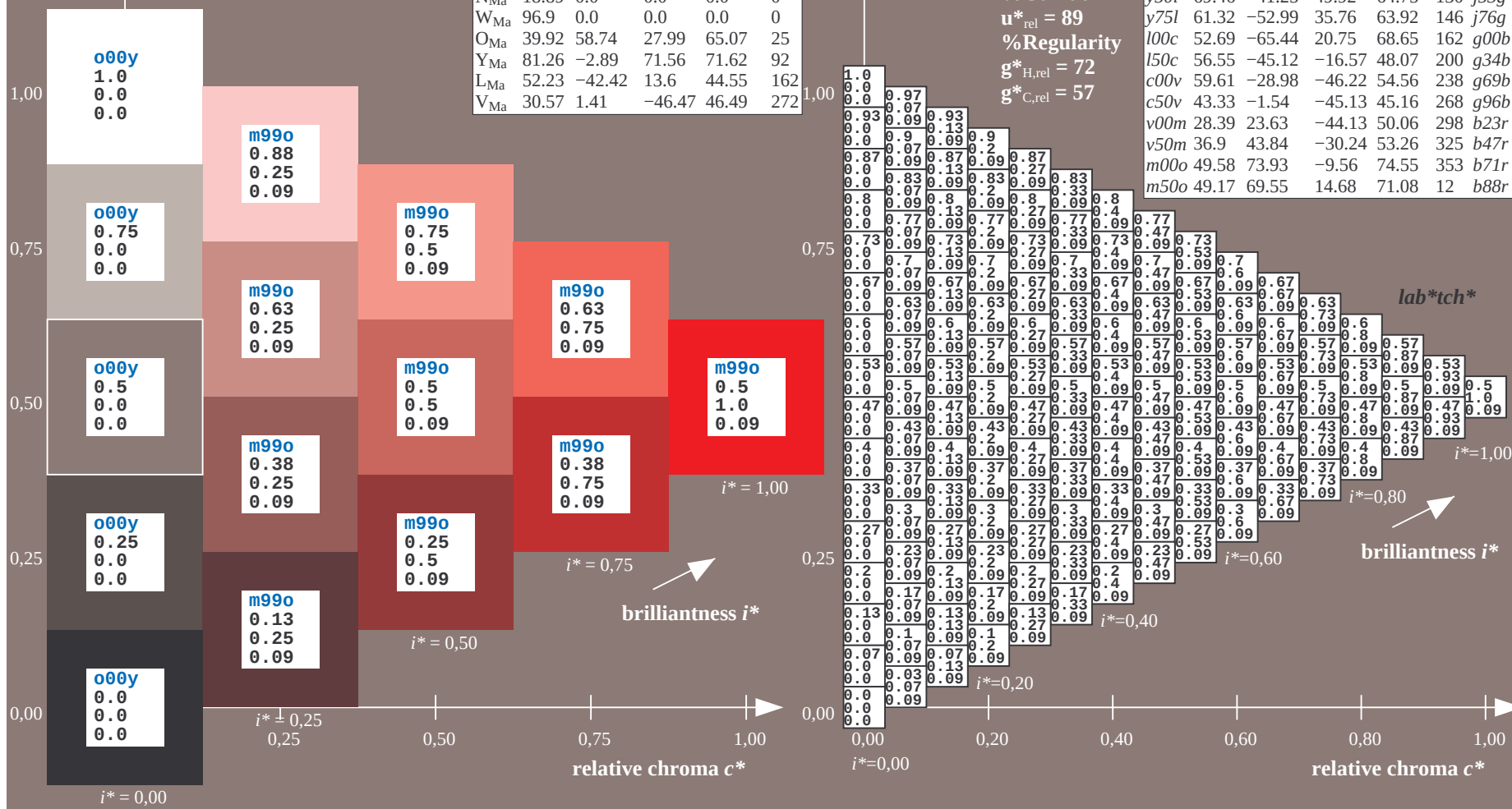
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

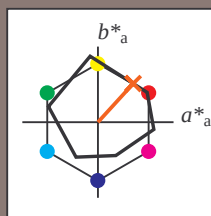
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

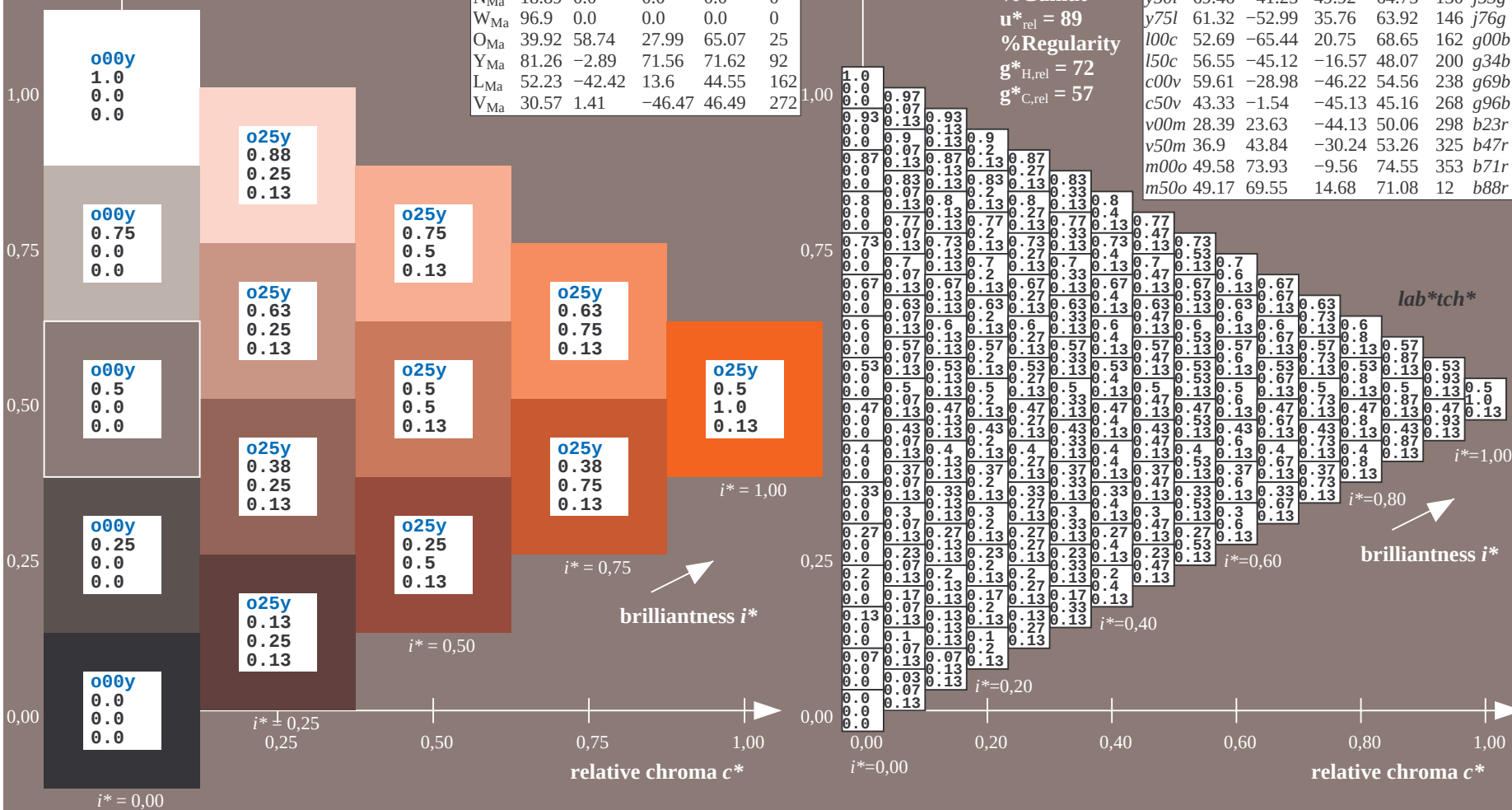
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o25y$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.178$ data for any colour: Data for maximum colour (Ma):

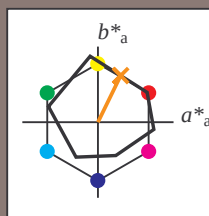
*u**_d = o50y
*lab***tch**

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

Hue texts:

$$u_d^* = 0.50y \quad u_e^* = 0.57j$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 68 30 62

LAB*LCH*M₂: 68 69 63

lab*olv*_M3: 1.0 0.5 0.0

$$lab*rag*_{M_2}: 1.0 \quad 0.58 \quad 0.0$$
triangle lightness t^*

triangle rightness:

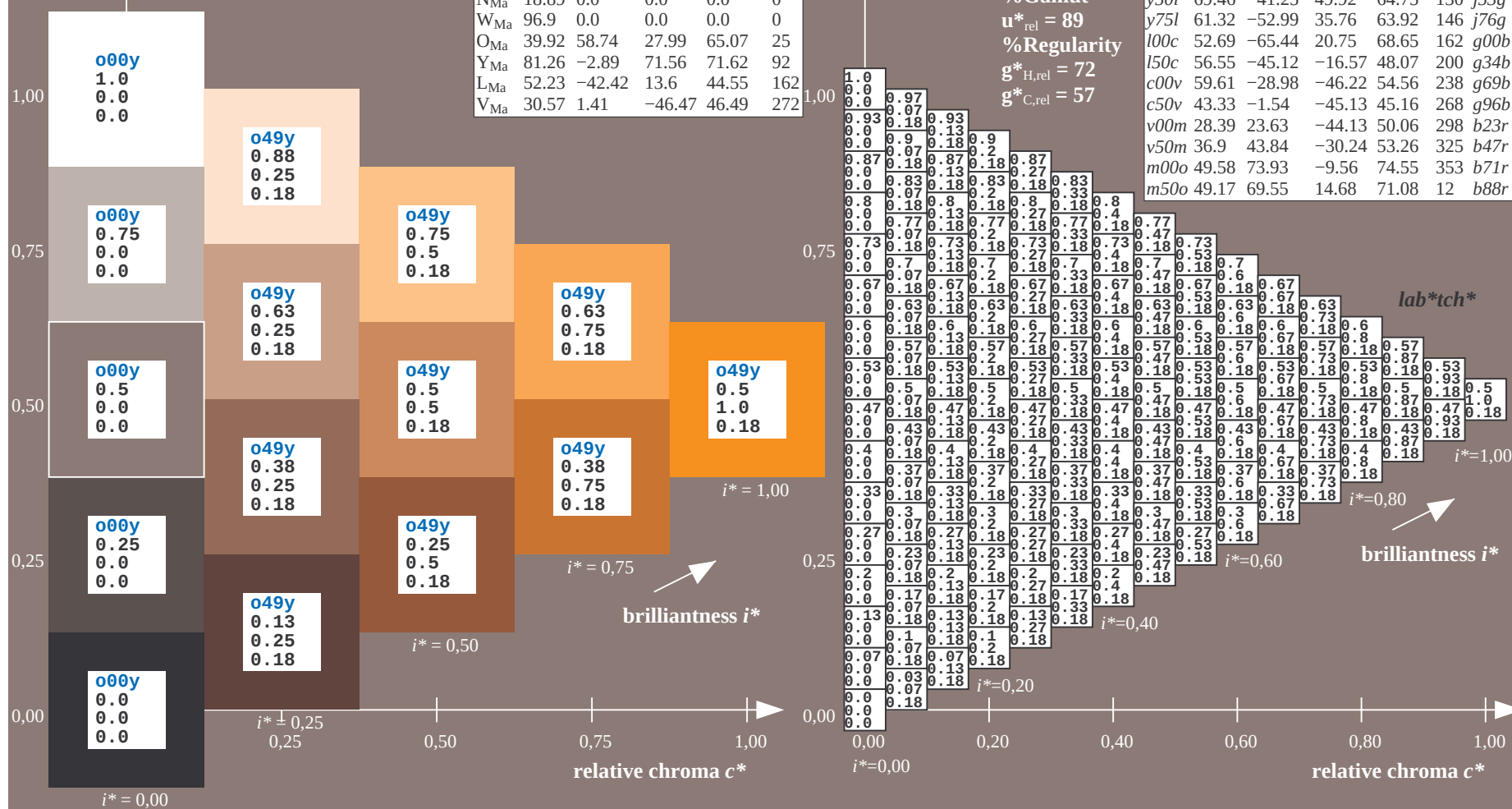
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08i</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM-test chart Ee44; Colorimetric systems, Page 184/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

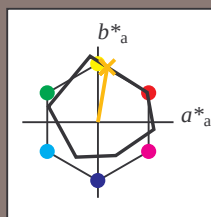
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 78 12 73

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 78 74 80

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

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

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

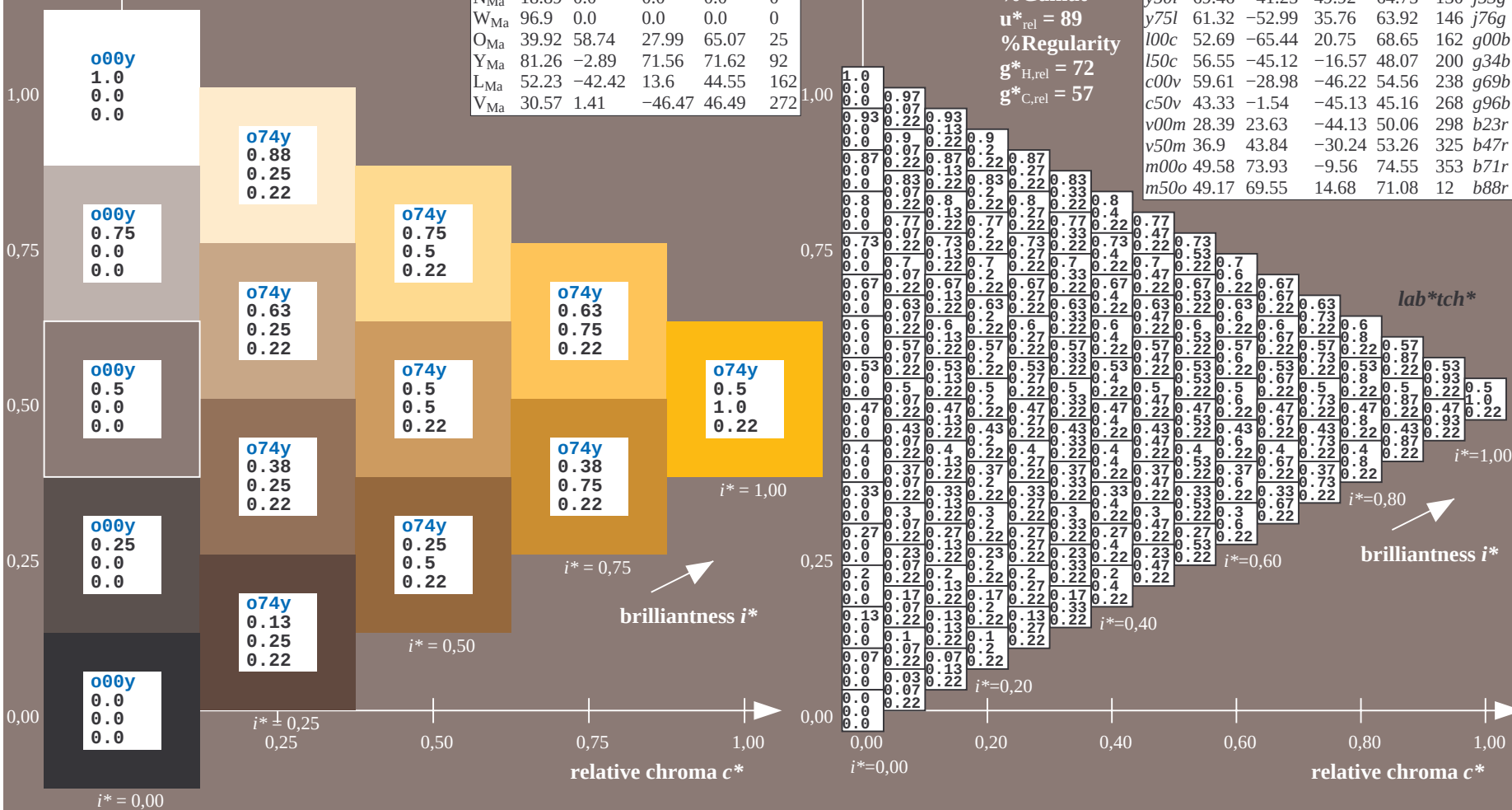
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$
 lab^*tch^*



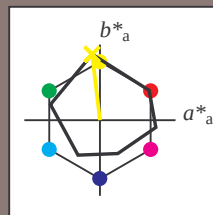
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.269$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = 900l \quad u_e^* = j06g$$

contrast reduction factor:

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

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	50.92	-10.29	87.24	87.85	97	
L _{Ma}	92.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB*LAB*M_2: 91 \quad -10 \quad 87$

LAB*LCH*ME: 91 88 96

lab*oly*5: 1.0 1.0 0.0

$$l_{-1}^* = l^* = 0.04, 1.0, 0.0$$

Tab 19b Ma. 0.54 1.0 0.0
A. b. k. b. t.

triangle lightness t^*

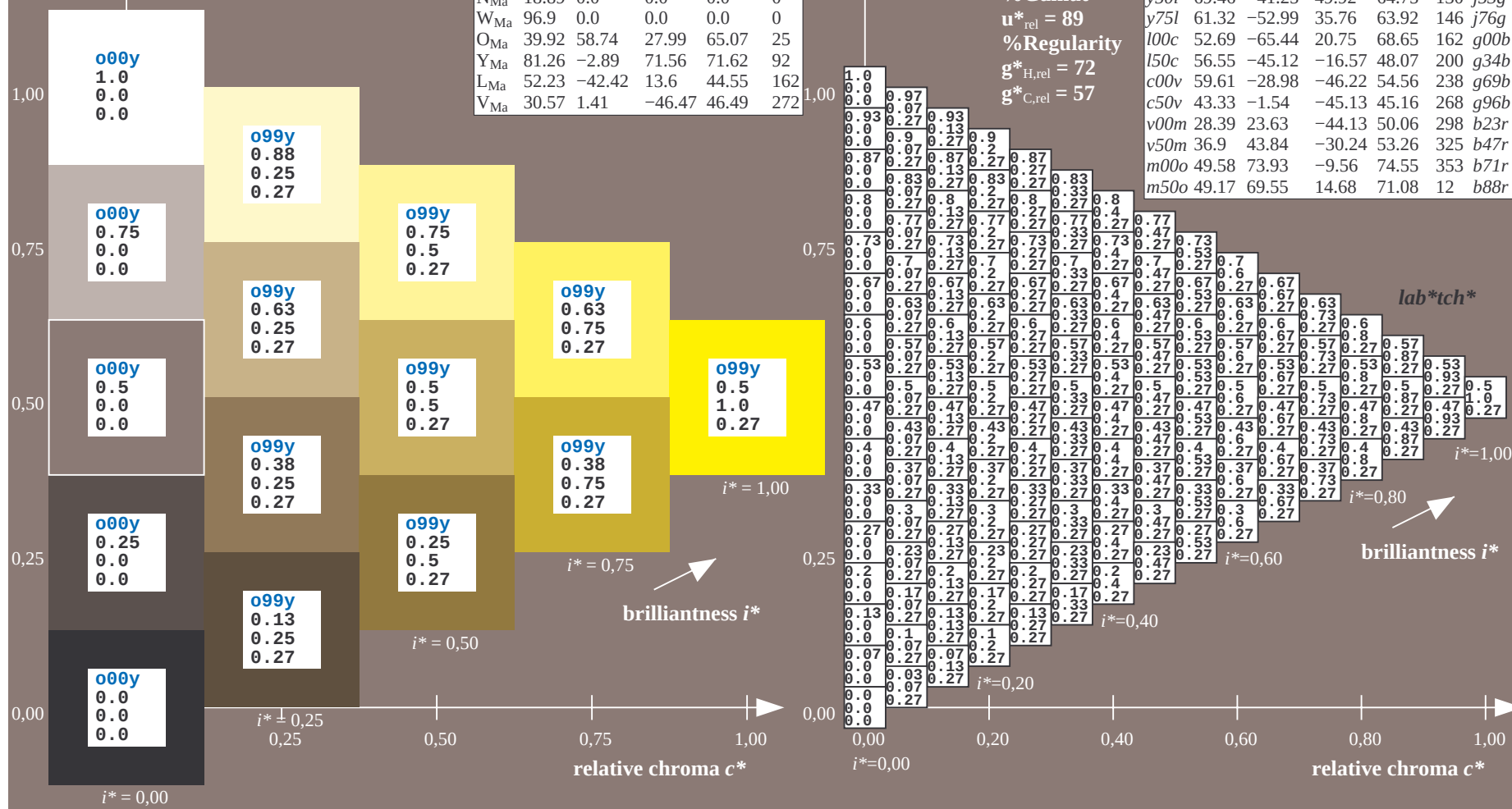
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g_{H,rel}^* = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM-test chart Ee44; Colorimetric systems, Page 186/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

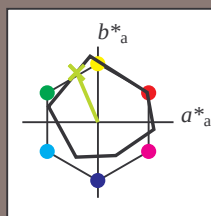
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

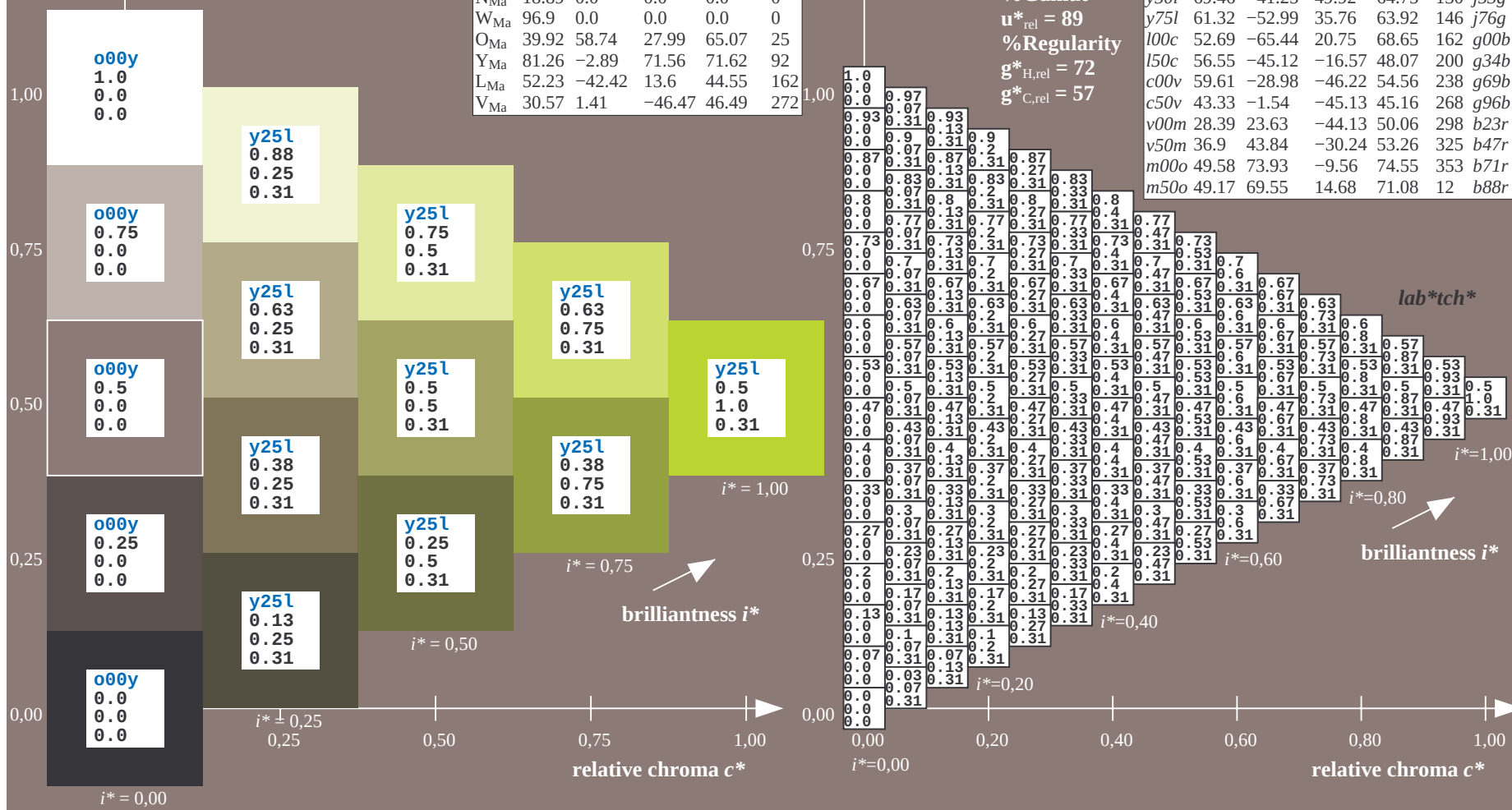
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

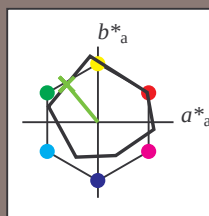
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

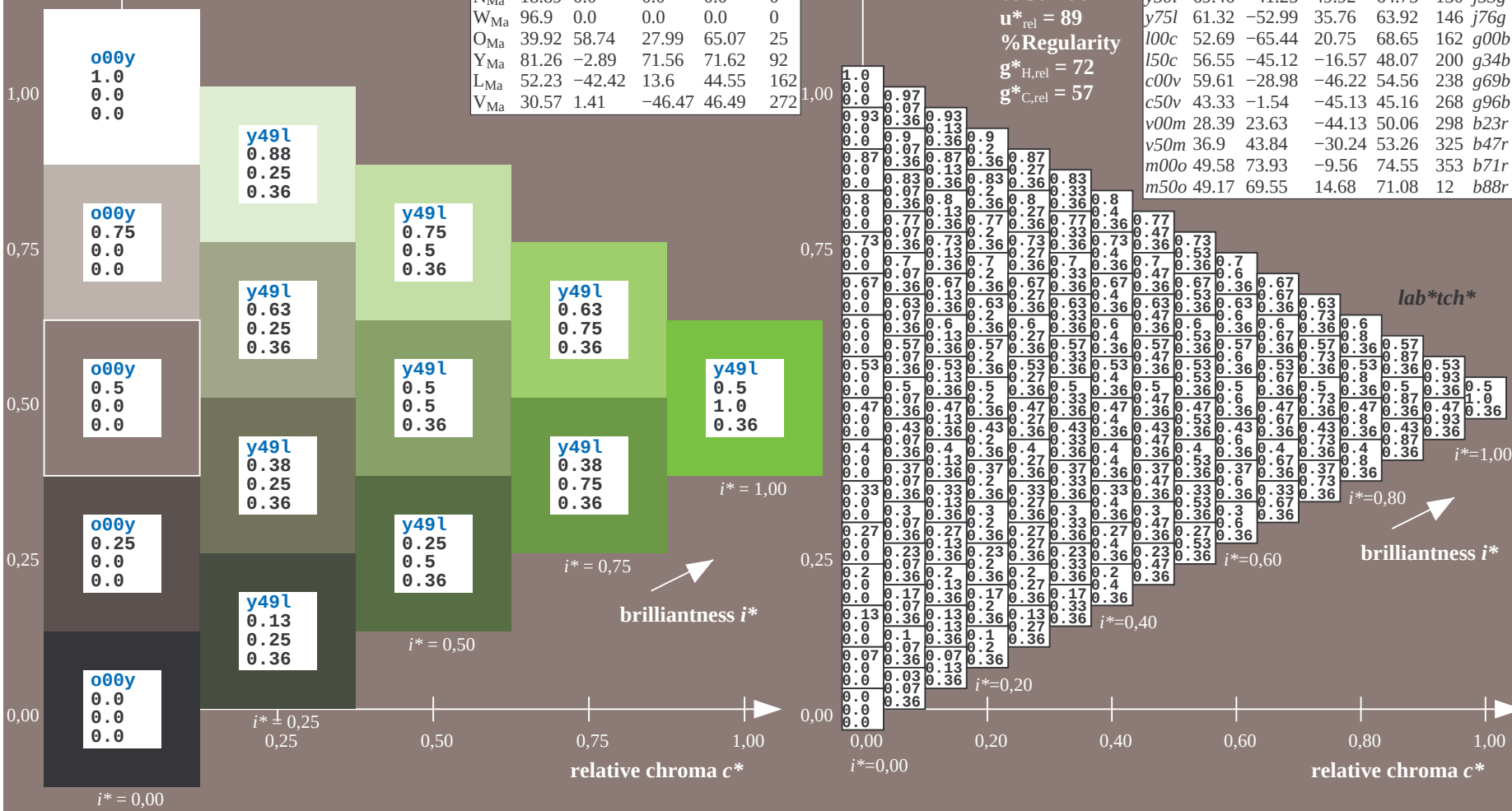
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = y50l$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$ data for any colour:

*u**_d = y75l
*lab***tch**

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

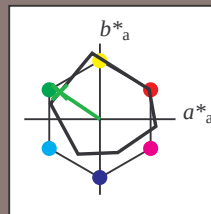
Hue texts:

$$u_d^* = y75l \quad u_e^* = j76g$$

contrast reduction factor:

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

triangle rightness &



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*ME: 61 -53 36

LAB LAB Ma.	61	55	50
LAB*LGH*	61	61	115

LAB*LCH*Ma: 61 64 14

lab*olv*Ma: 0.25 1.0 0.0

*lab*rgb*_{Ma}: 0.23 1.0 0.0

triangle lightness t^*

triangle rightness t

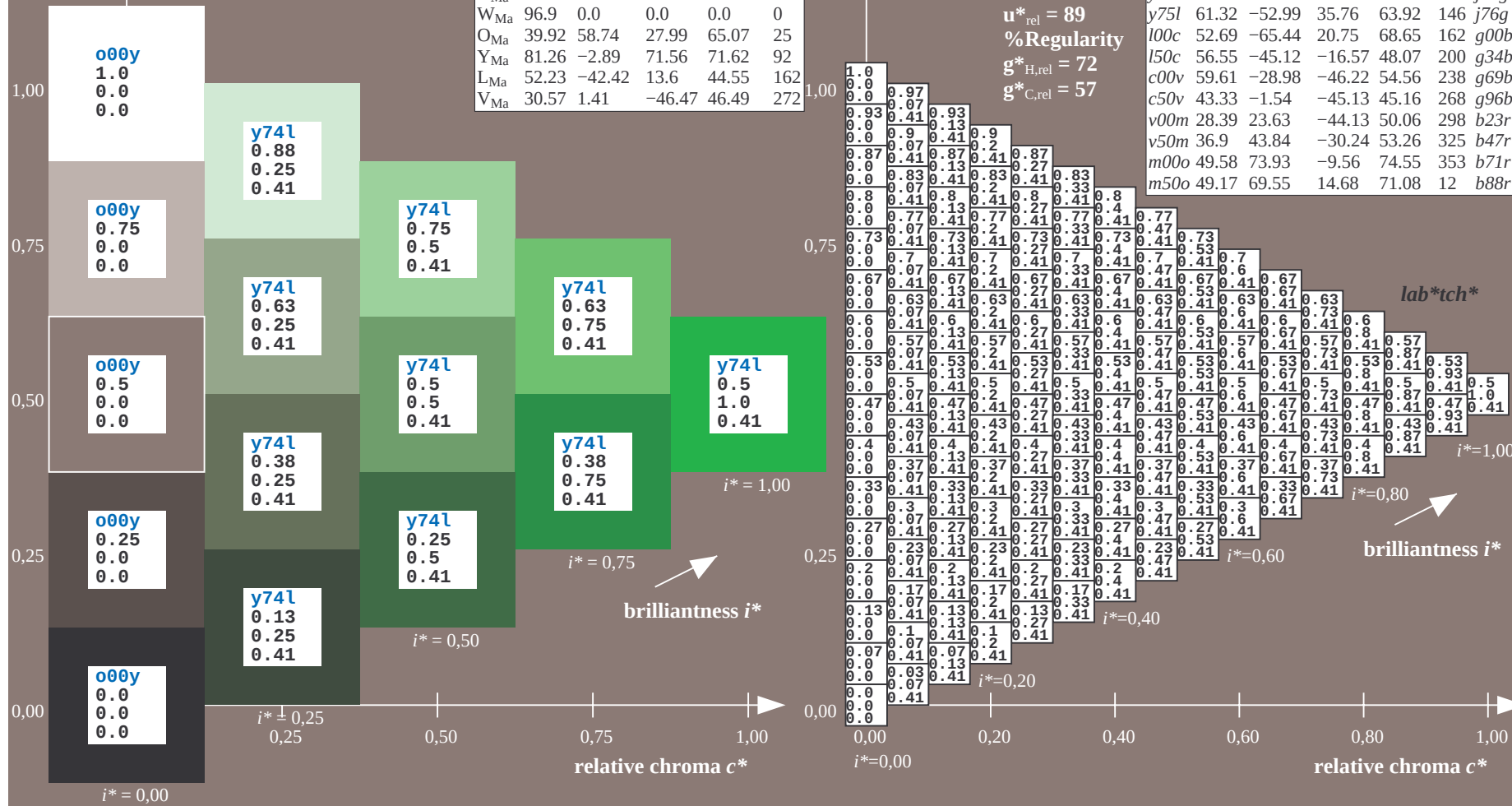
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08i</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM registration: 20081001-Ee44/10L/L44E00FP.PS/ .PDF BAM m
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

BAM-test chart Ee44; Colorimetric systems, Page 189/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

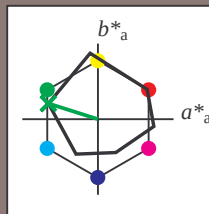
Hue texts:

$u^*_d = 100c$ $u^*_e = g00b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 69 162

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

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

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_e

o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 100c$
 lab^*tch^*

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

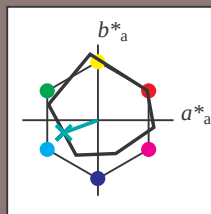
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 150c$ $u^*_e = g34b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

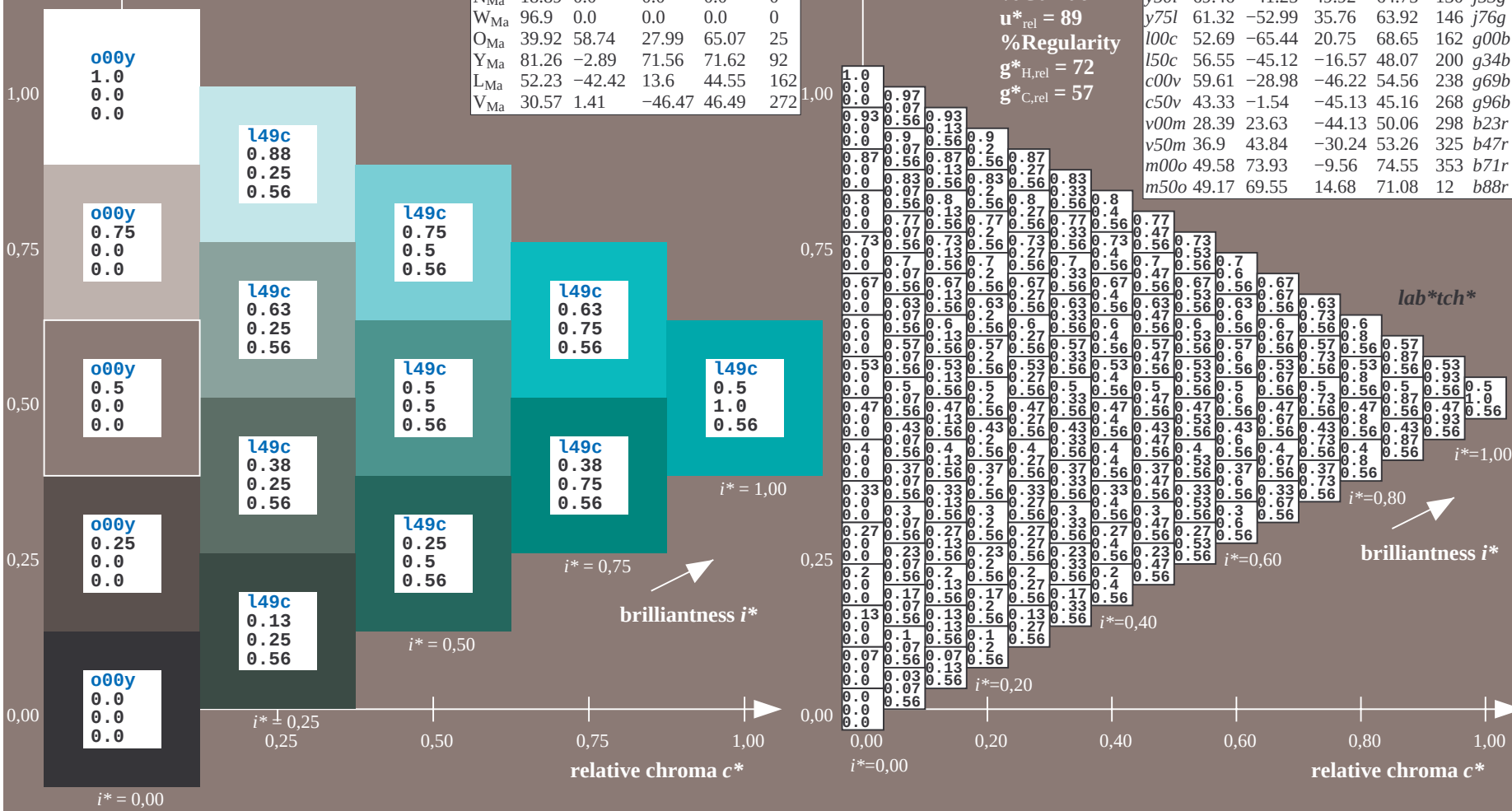
% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = 150c$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

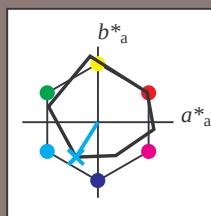
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

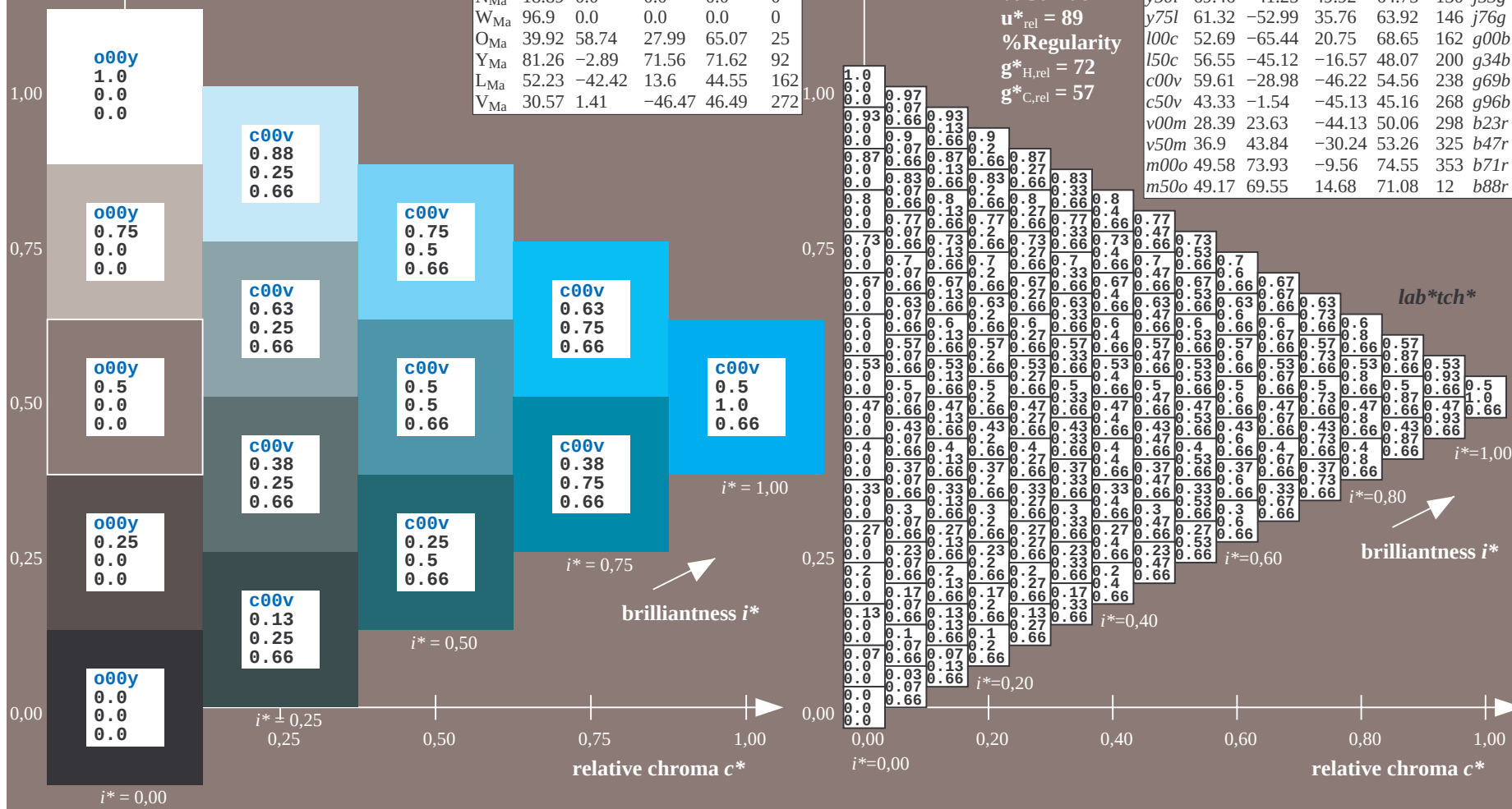
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c00v$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

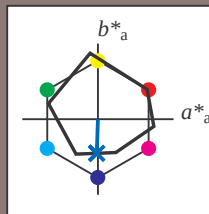
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 43 -2 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 43 45 268

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.07 1.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

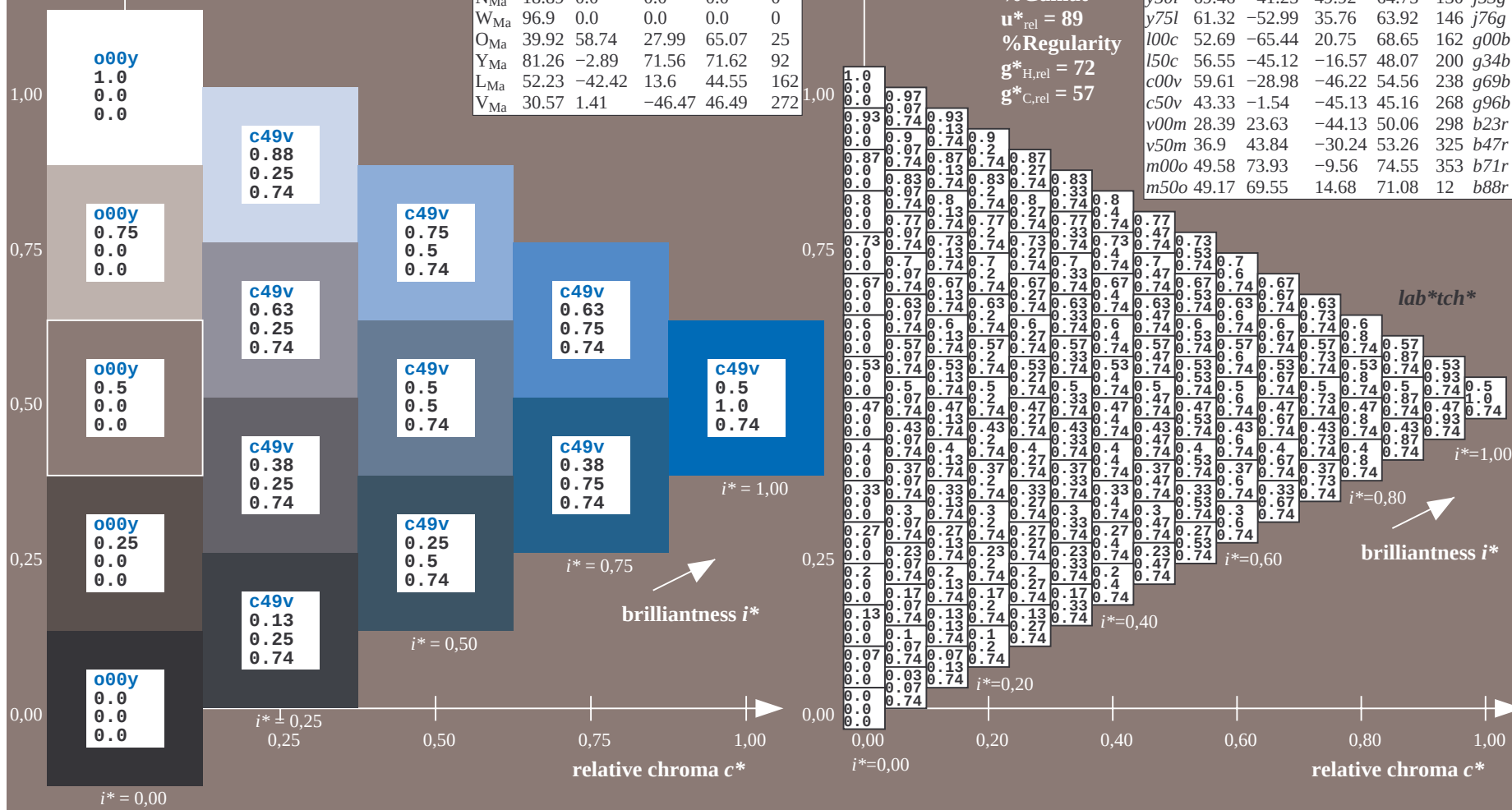
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$
 lab^*tch^*



BAM registration: 20081001-Ee4410L/L44E00FP.PS/.PDF BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

$u^*_d = v00m$
 lab^*tch^*

ORS19_96a; adapted (a) CIELAB data

Data for maximum colour (Ma):

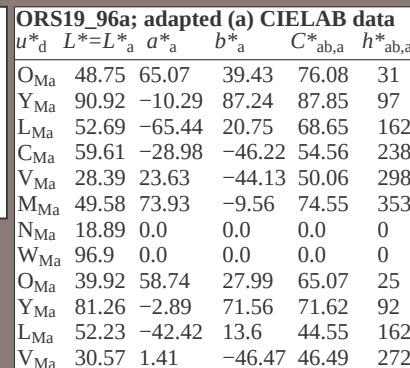
LAB*LAB*_{MS}: 28 24 -44

LAB LAB	Ma. 20	24	44
LAB*LGH*	20	50	200

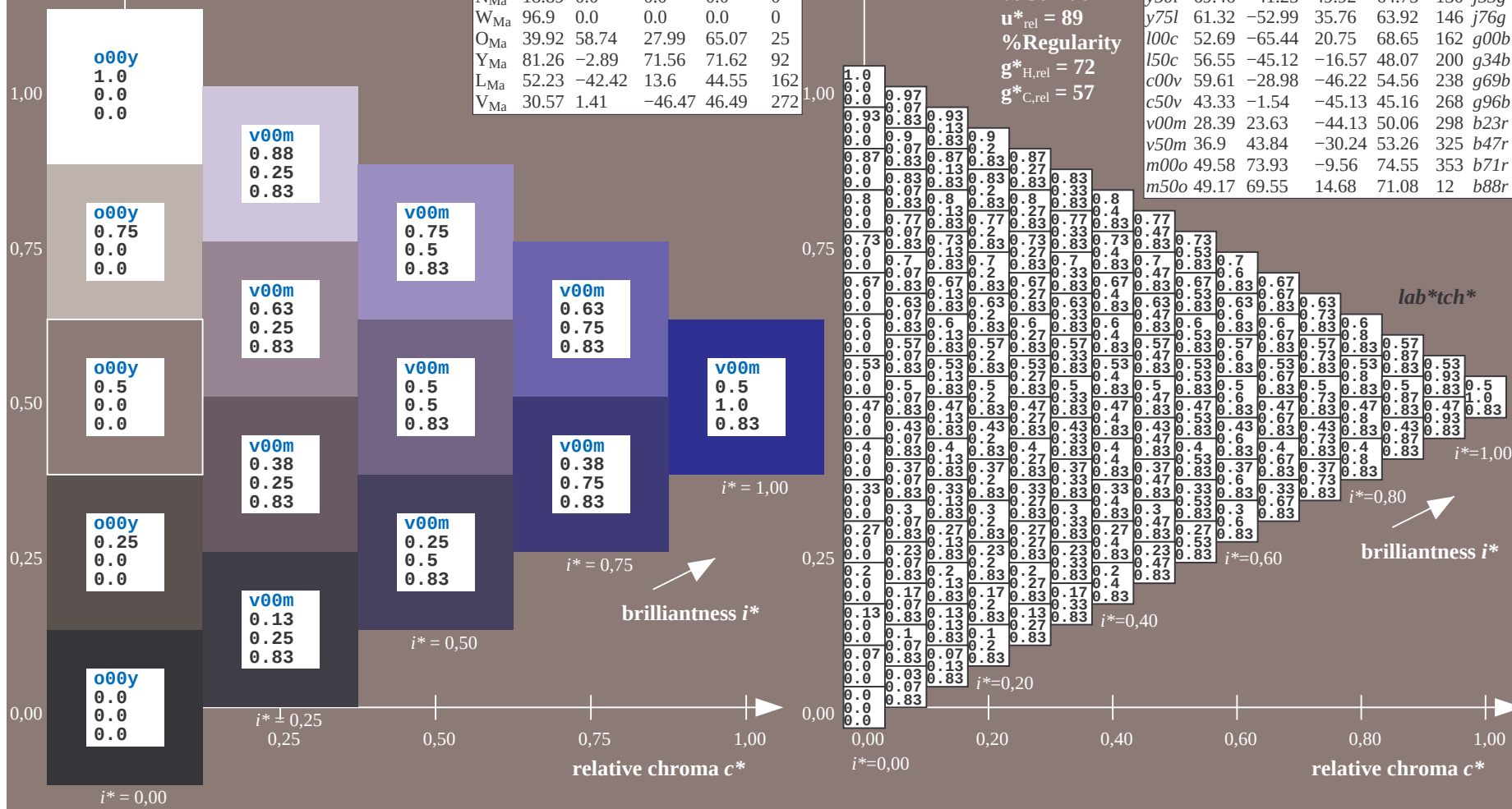
LAB*LCH*Ma: 28 50 2

lab*olv*_Ma: 0.0 0.0 1.0

lab*rgb*_Ma: 0.46 0.1


$$\mathbf{u}_{rel}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$


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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

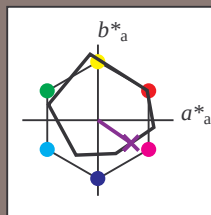
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 37 44 -30

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 37 53 325

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

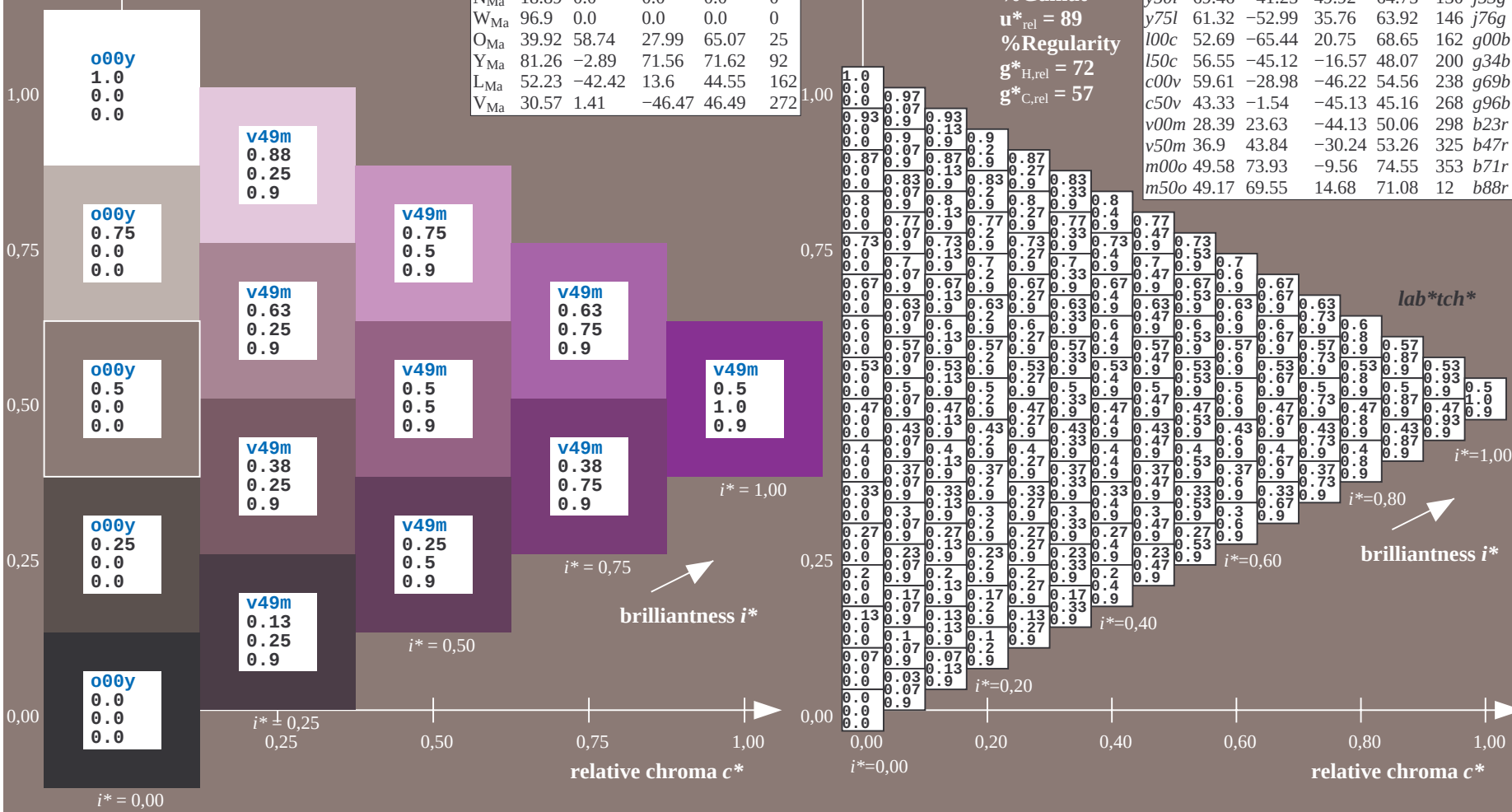
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31		r08j
o25y	59.04	46.67	51.1	69.21	48		r33j
o50y	68.32	30.09	61.62	68.58	64		r57j
o75y	78.23	12.39	72.85	73.9	80		r81j
y00l	90.92	-10.29	87.24	87.85	97		j06g
y25l	78.57	-28.11	65.75	71.51	113		j29g
y50l	69.46	-41.25	49.92	64.75	130		j53g
y75l	61.32	-52.99	35.76	63.92	146		j76g
l00c	52.69	-65.44	20.75	68.65	162		g00b
l50c	56.55	-45.12	-16.57	48.07	200		g34b
c00v	59.61	-28.98	-46.22	54.56	238		g69b
c50v	43.33	-1.54	-45.13	45.16	268		g96b
v00m	28.39	23.63	-44.13	50.06	298		b23r
v50m	36.9	43.84	-30.24	53.26	325		b47r
m00o	49.58	73.93	-9.56	74.55	353		b71r
m50o	49.17	69.55	14.68	71.08	12		b88r

$u^*_d = v50m$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

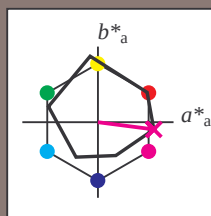
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 50 74 -10

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 50 75 352

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

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

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

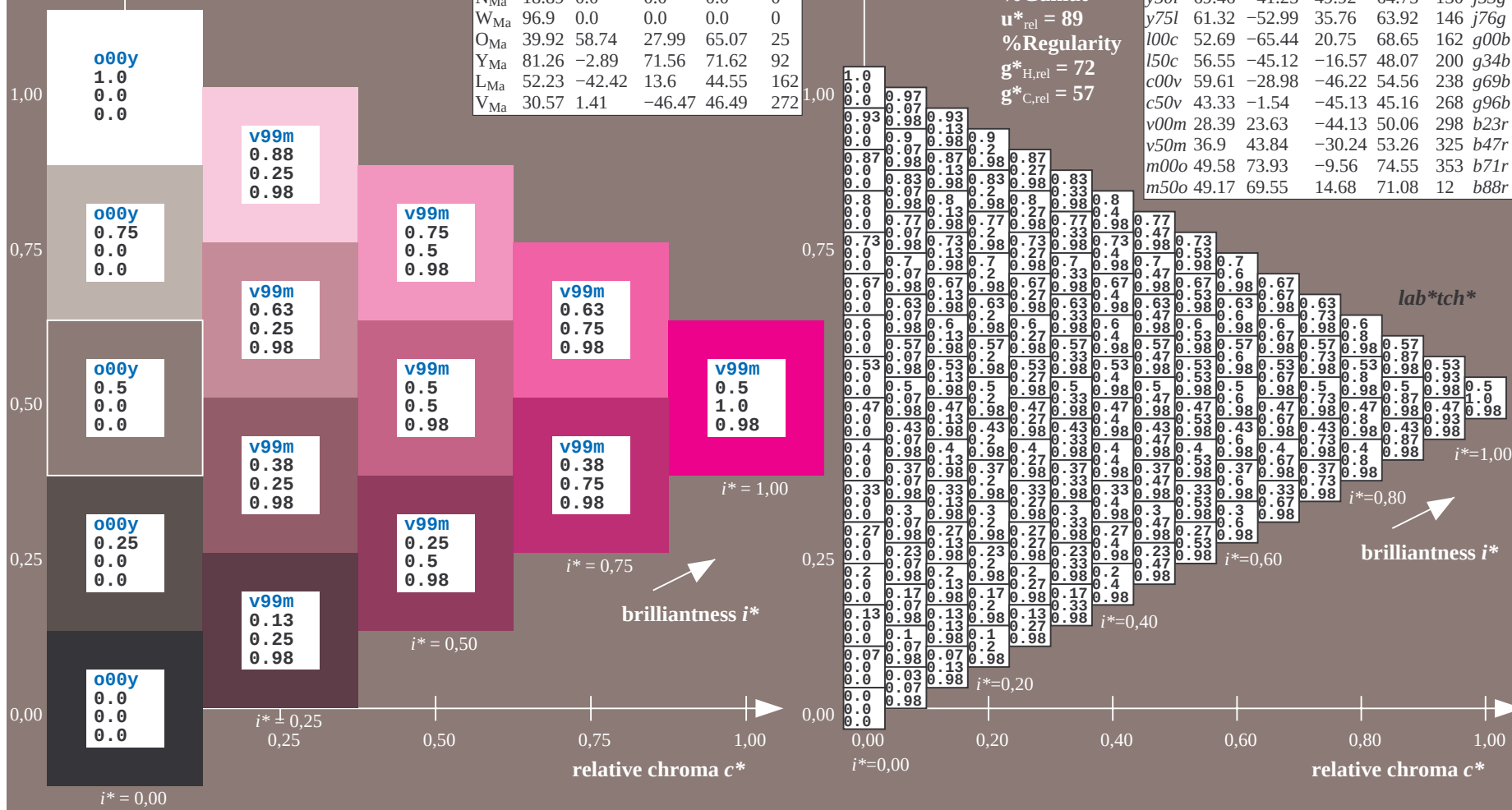
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$
 lab^*tch^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

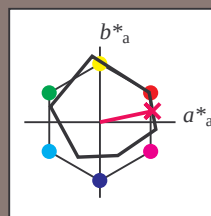
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 70 15

$LAB^*LCH^*_{Ma}$: 49 71 11

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

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.24

triangle lightness t^*

% Gamut

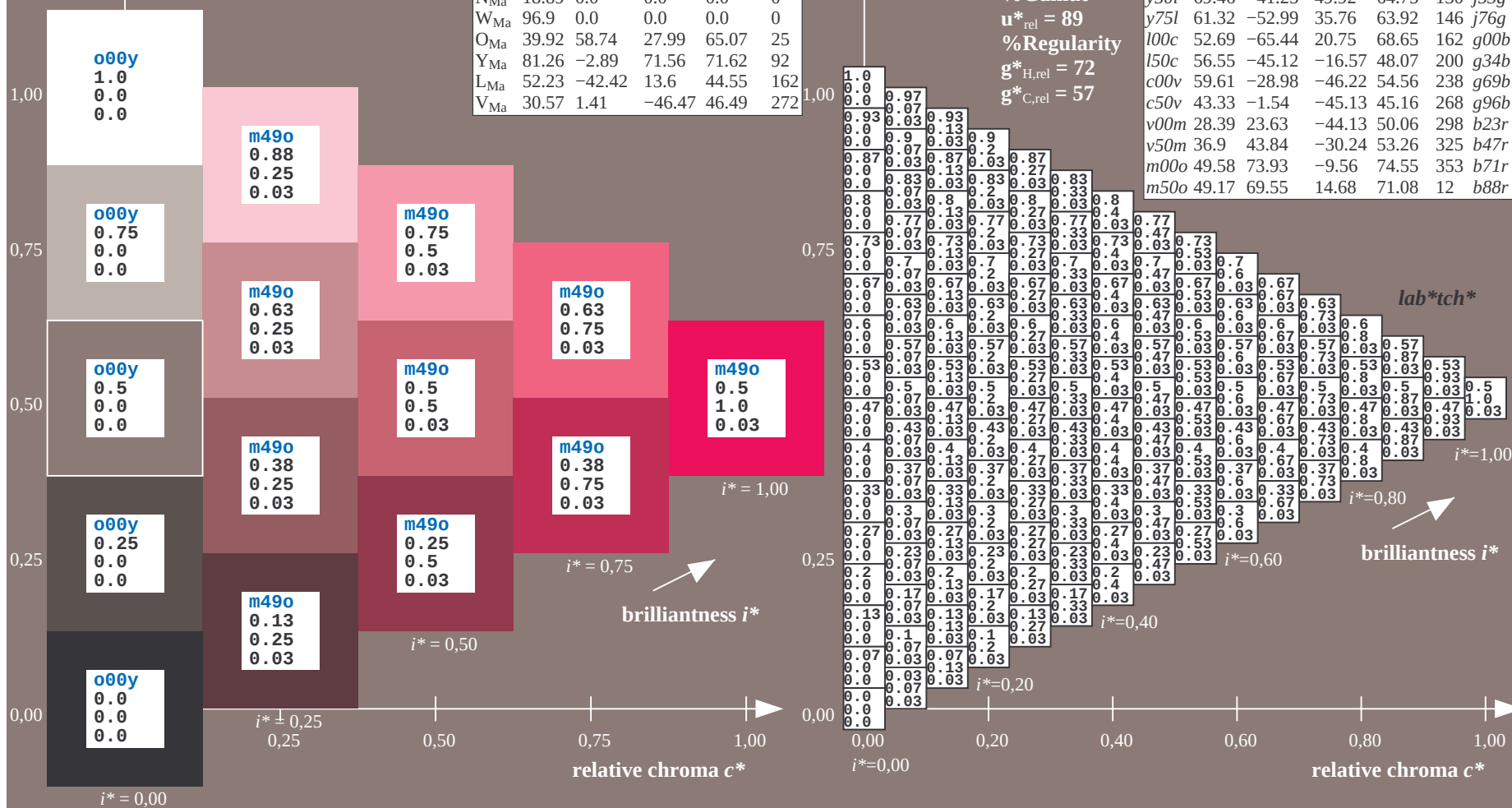
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

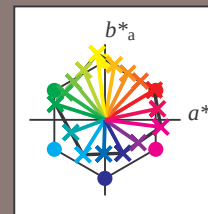


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

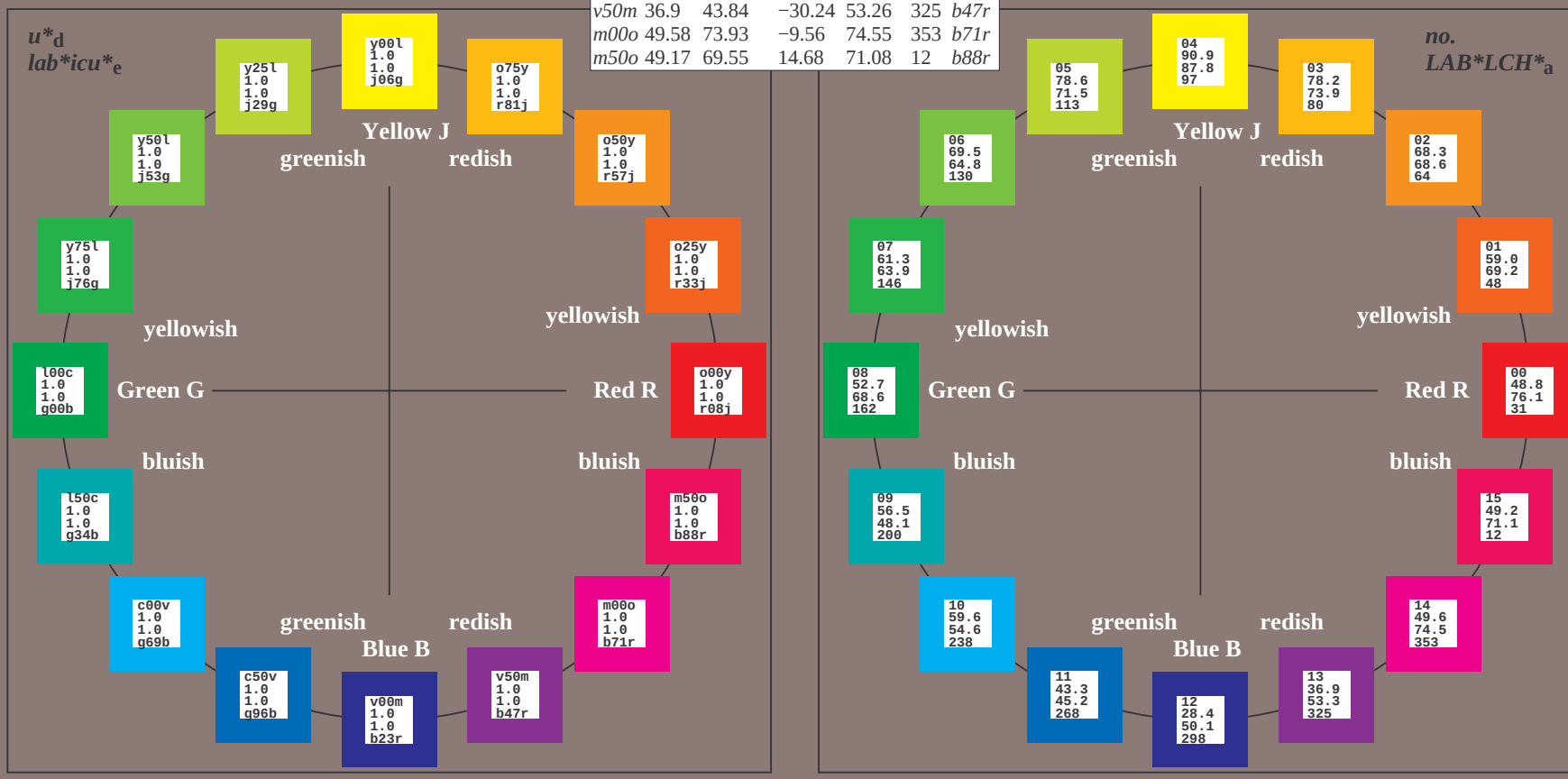
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}	96.9	0.0	0.0	0.0	0
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



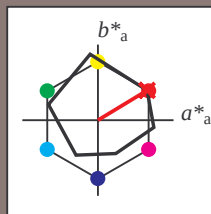
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.087$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = 0.00y \quad u_e^* = 0.08j$$

contrast reduction factor:

 $C_D = 1.0$ triangle lightness t^* 

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 49 65 39

LAB*LCH*M_a: 49 76 31

*lab*oly**M₃: 1.0 0.0 0.0

$$lab*rah*M_2: 1.0 \quad 0.09 \quad 0.0$$
triangle lightness t^*

0 10 20 30 40 50 60 70 80 90 100

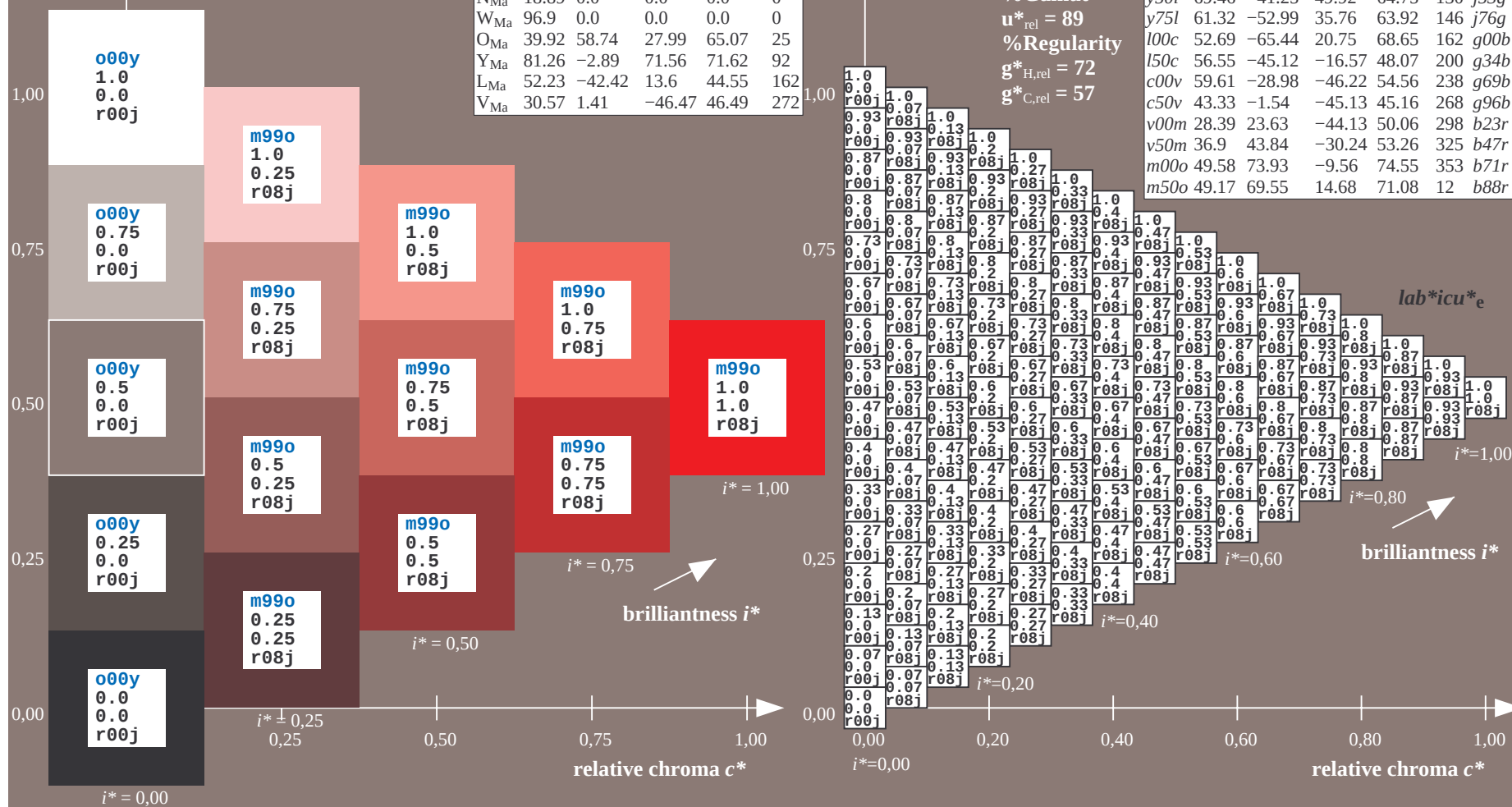
%Gamut

$$u_{rel}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u_d^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_e^*	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08i</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	



BAM-test chart Ee44; Colorimetric systems, Page 200/270
3 separations and 9 data tables for 16 hues $o00y$ to $m75o$

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

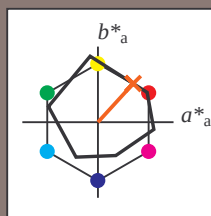
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 59 47 51

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

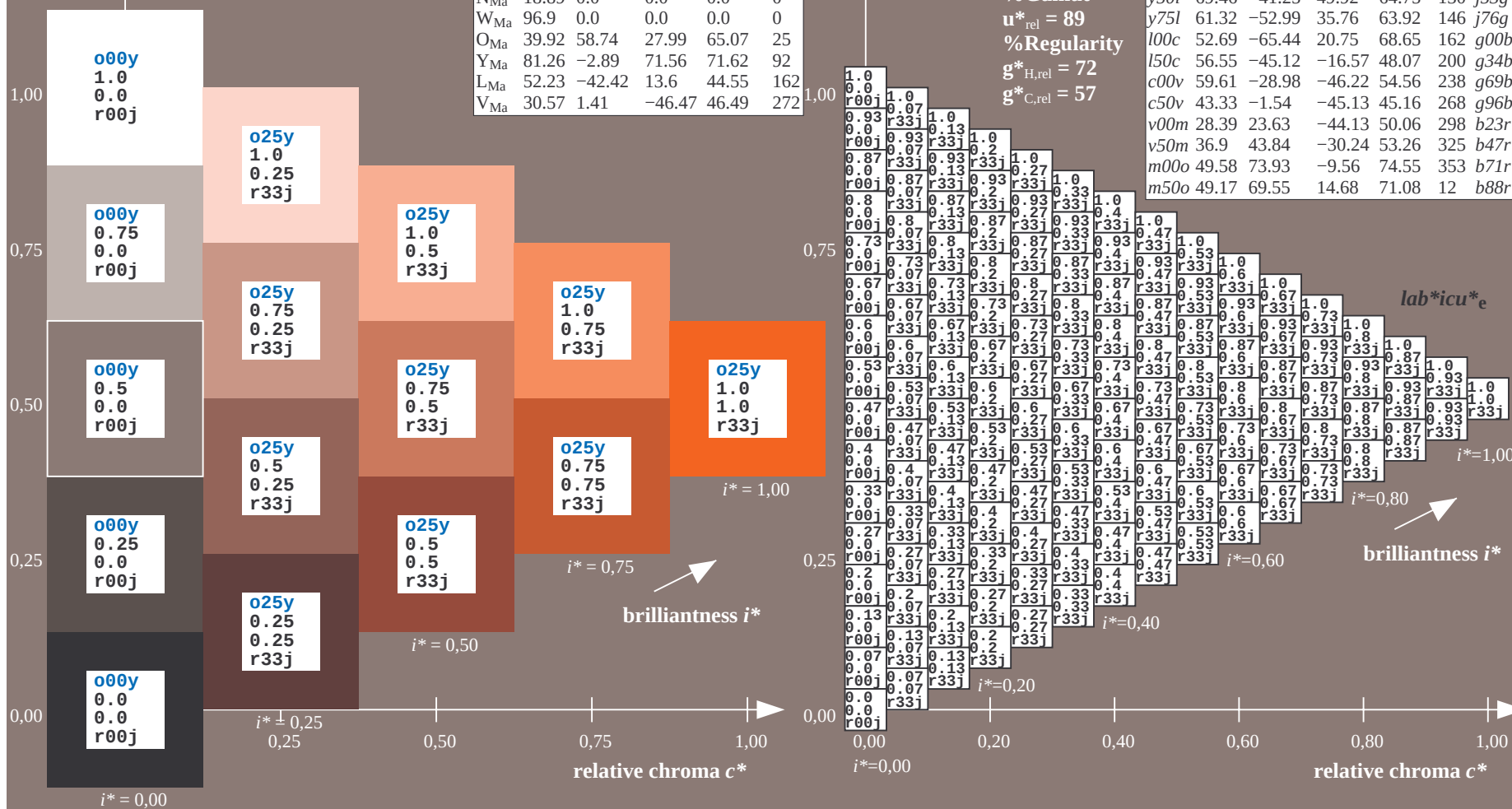
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

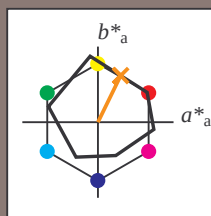
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 68 30 62

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{lab}^*\text{icu}^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

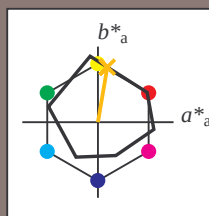
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 78 12 73

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{lab}^*icu^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

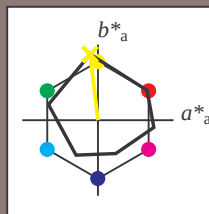
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 91 -10 87

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 91 88 96

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{lab}^*\text{icu}^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

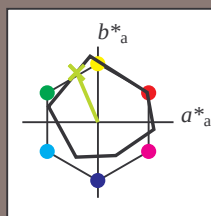
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{lab}^*\text{icu}^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

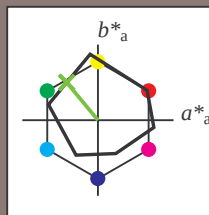
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$lab^*icu^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

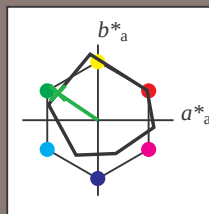
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 61 -53 36

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 61 64 145

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.23 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

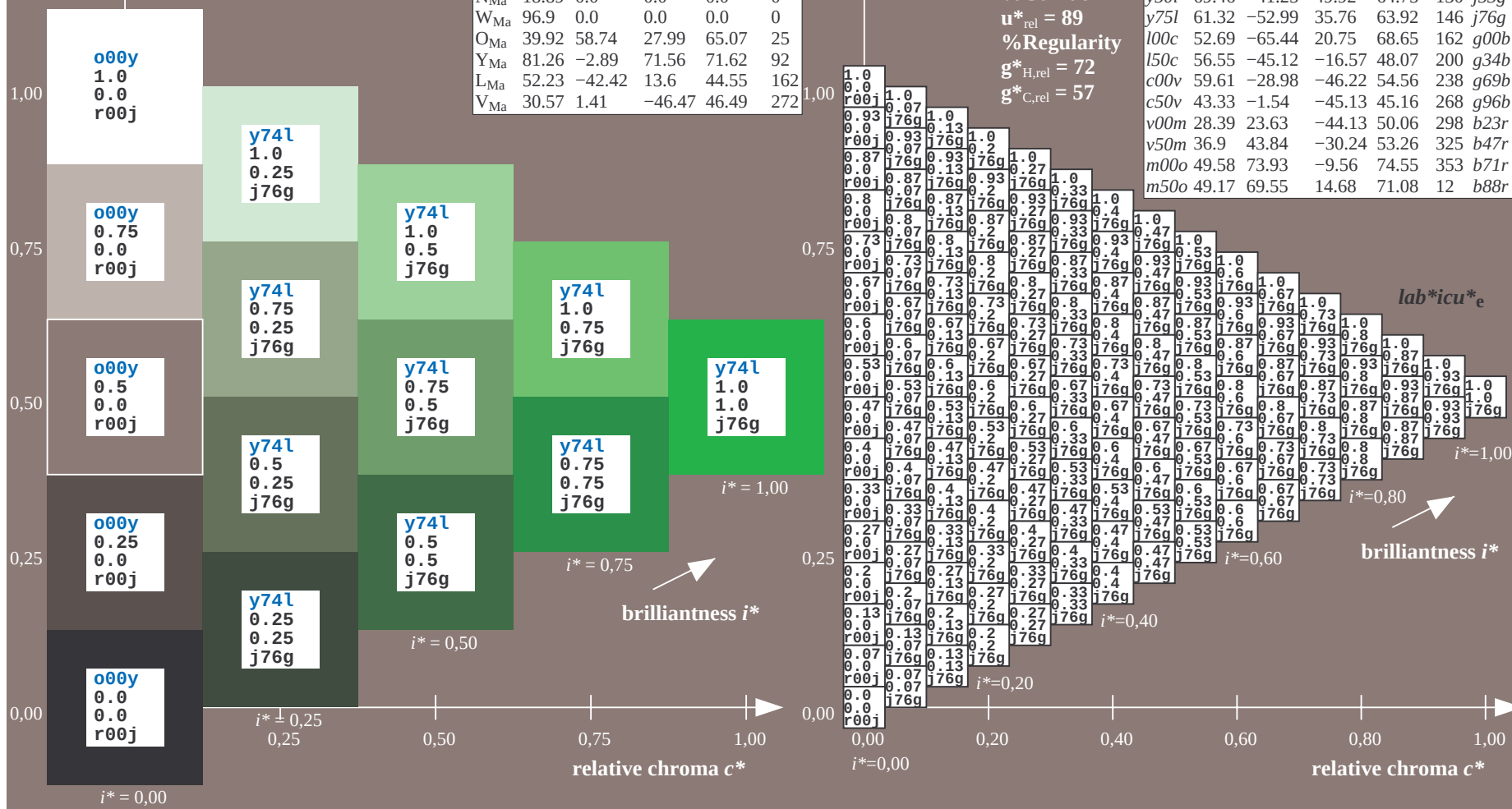
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

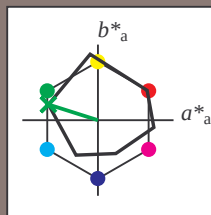
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y75l$
 $\text{lab}^*icu^*_e$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = g00b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

% Gamut

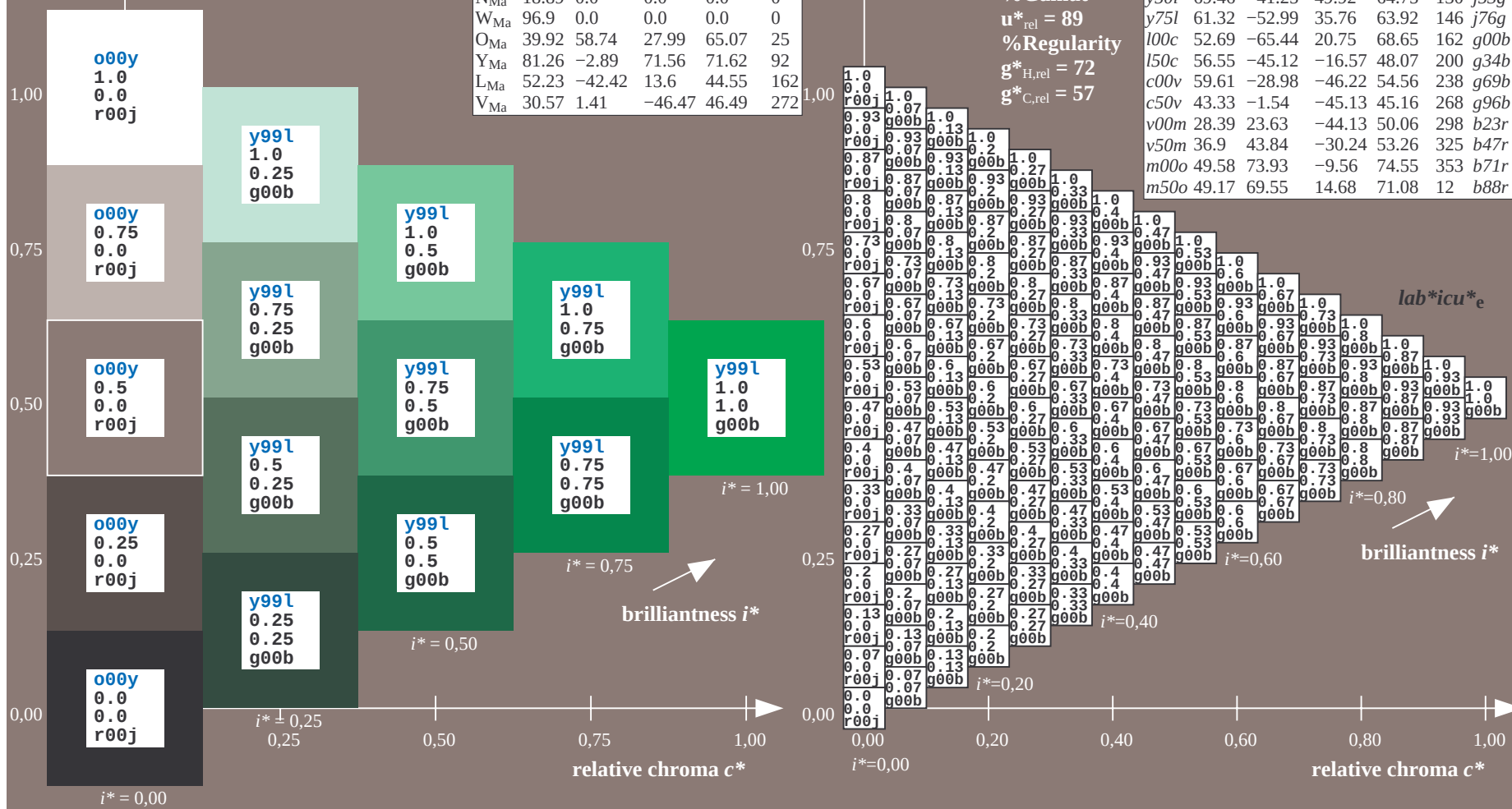
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						$u^*_d = 100c$ $lab^*icu^*_e$	
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

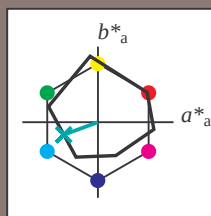
Hue texts:

$u^*_d = l50c$ $u^*_e = g34b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

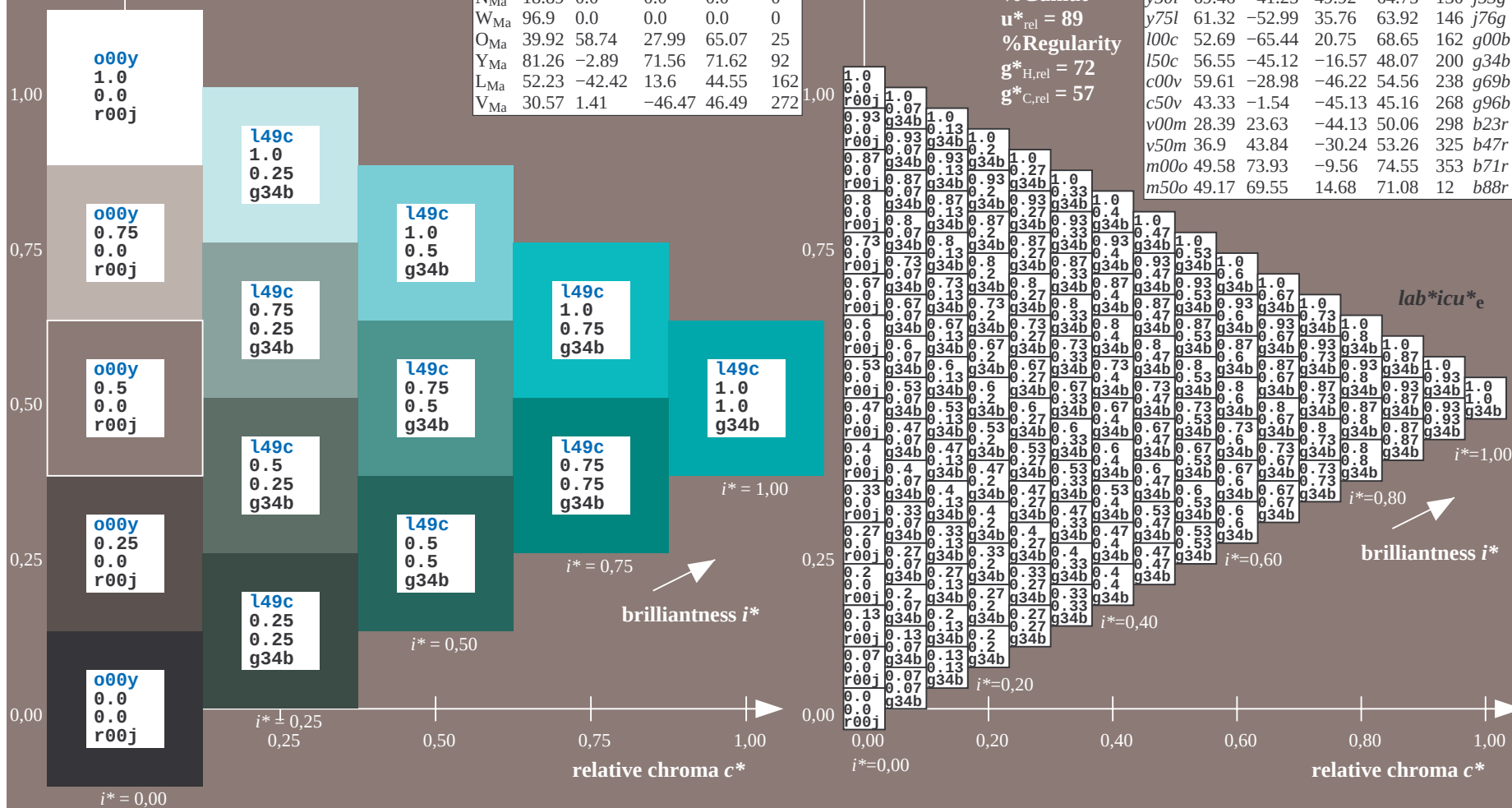
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

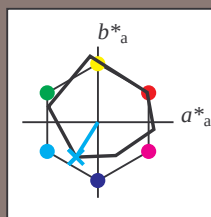
$u^*_d = l50c$
 $lab^*icu^*_e$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$lab^*icu^*_e$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

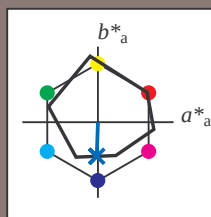
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

% Gamut

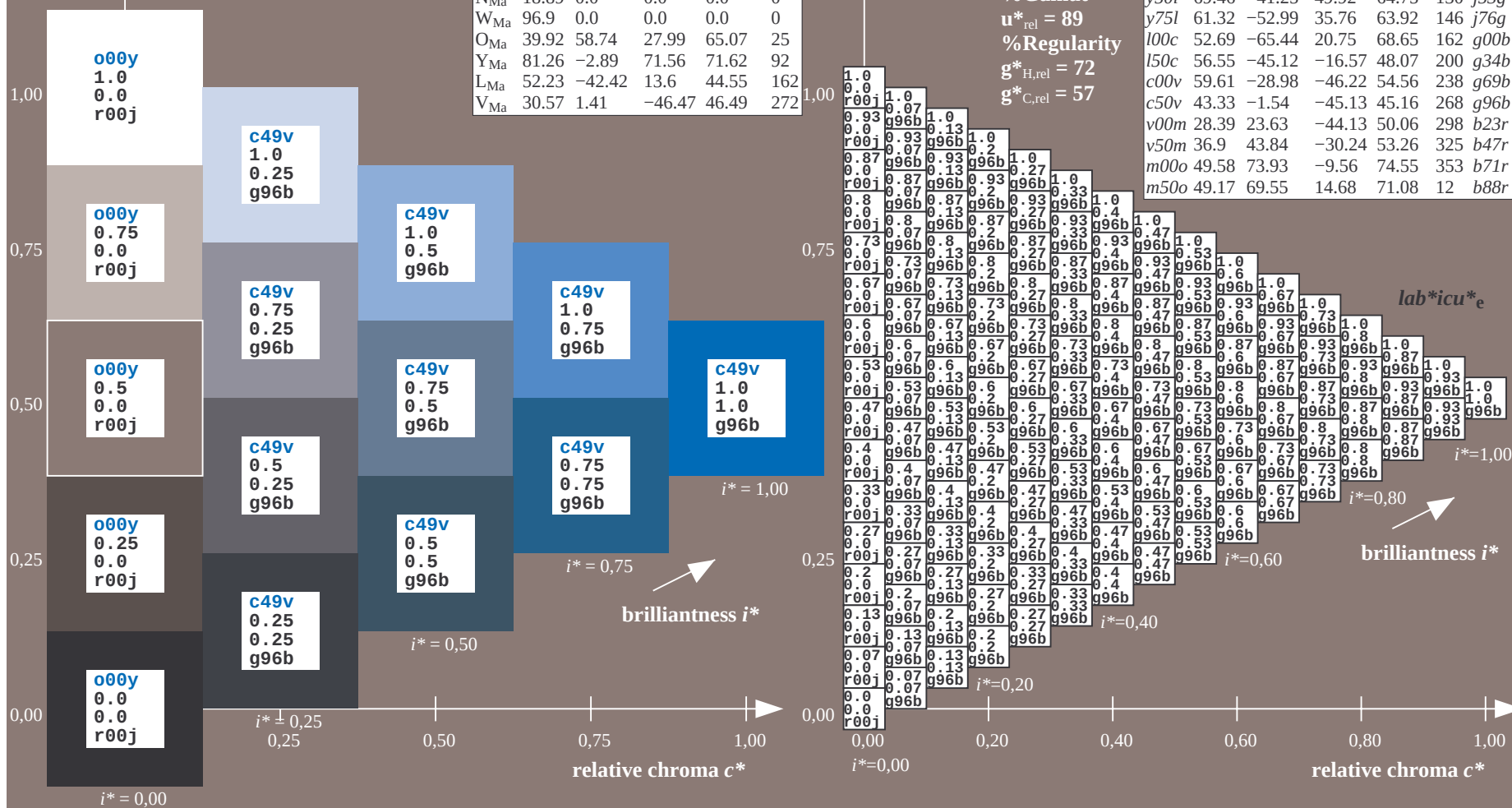
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

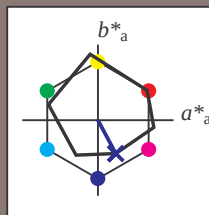
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 28 24 -44

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

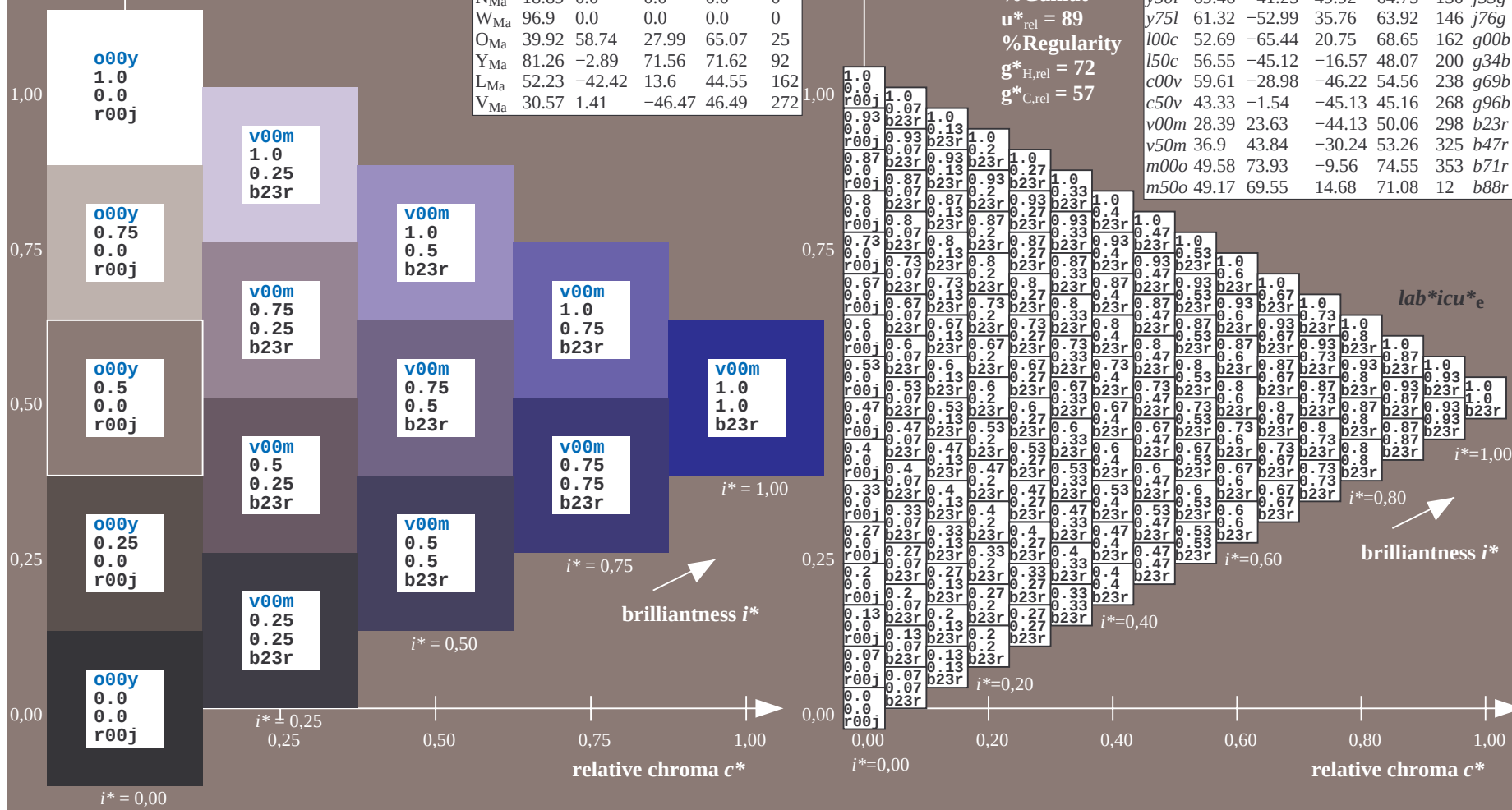
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

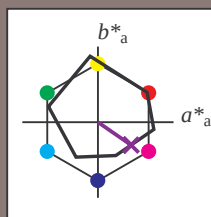
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$
 $\text{lab}^*icu^*_e$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
O _{Ma}	39.92	58.74	27.99	65.07	25	
Y _{Ma}	81.26	-2.89	71.56	71.62	92	
L _{Ma}	52.23	-42.42	13.6	44.55	162	
V _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$lab^*icu^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

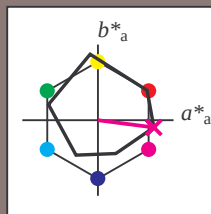
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

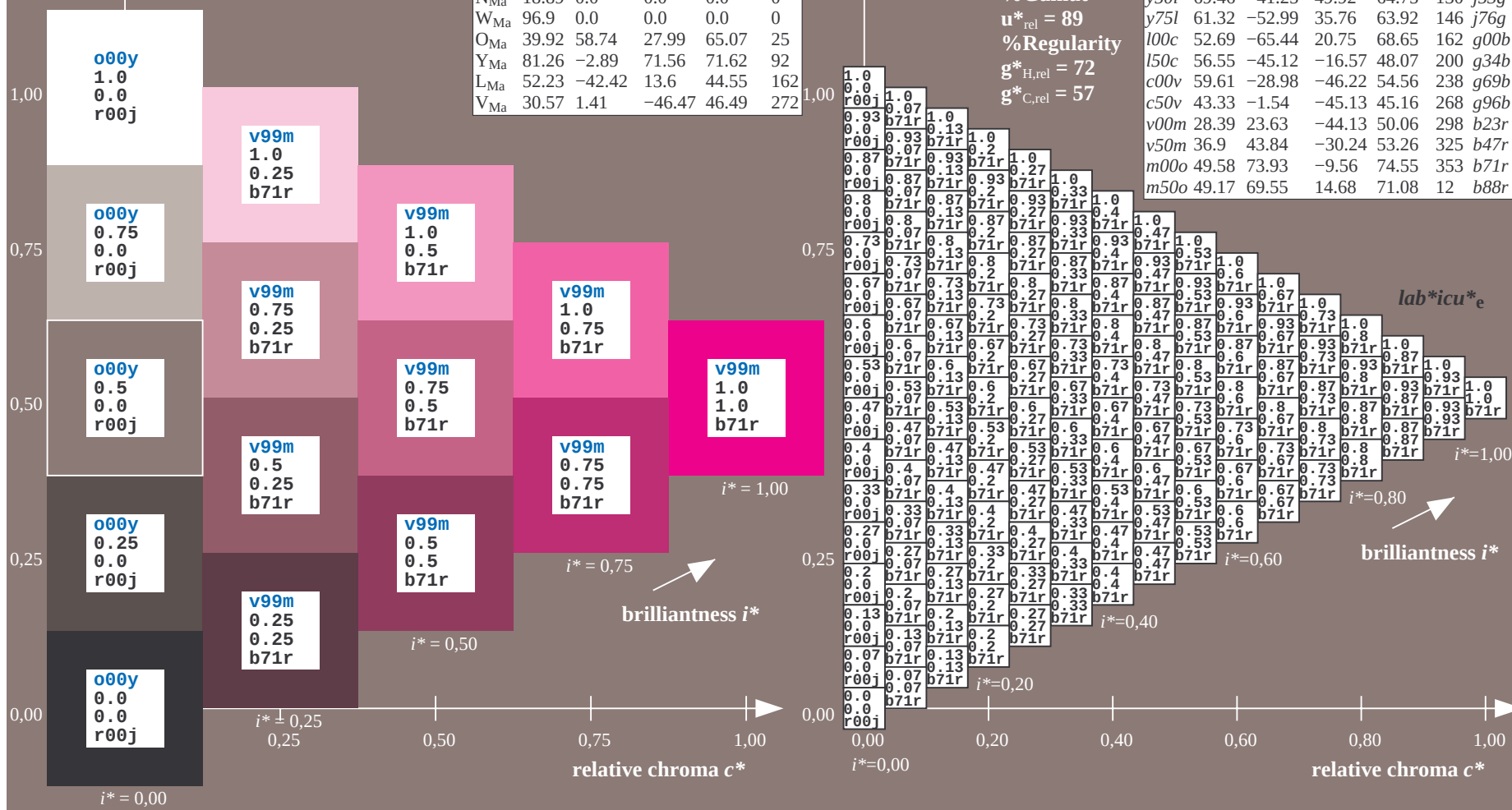
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$
 $lab^*icu^*_e$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

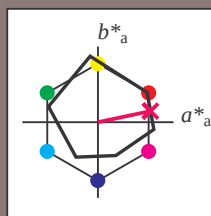
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0
W _{Ma}	96.9	0.0	0.0	0.0	0
O _{Ma}	39.92	58.74	27.99	65.07	25
Y _{Ma}	81.26	-2.89	71.56	71.62	92
L _{Ma}	52.23	-42.42	13.6	44.55	162
V _{Ma}	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 70 15

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 71 11

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.0 0.24

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

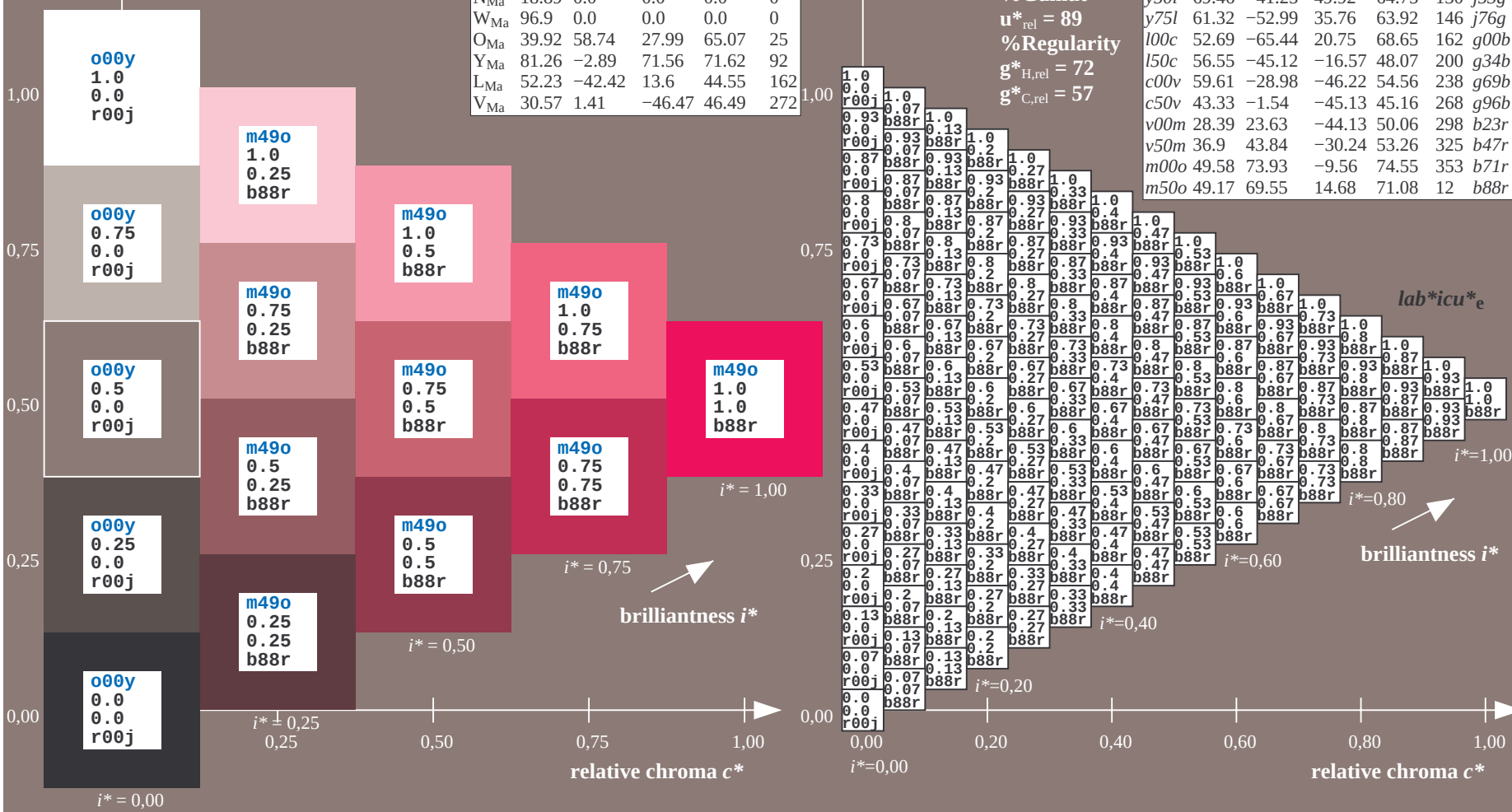
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m50o$
 $\text{lab}^*icu^*_e$



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*	icu*				
0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0											

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

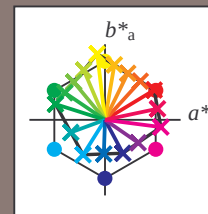
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

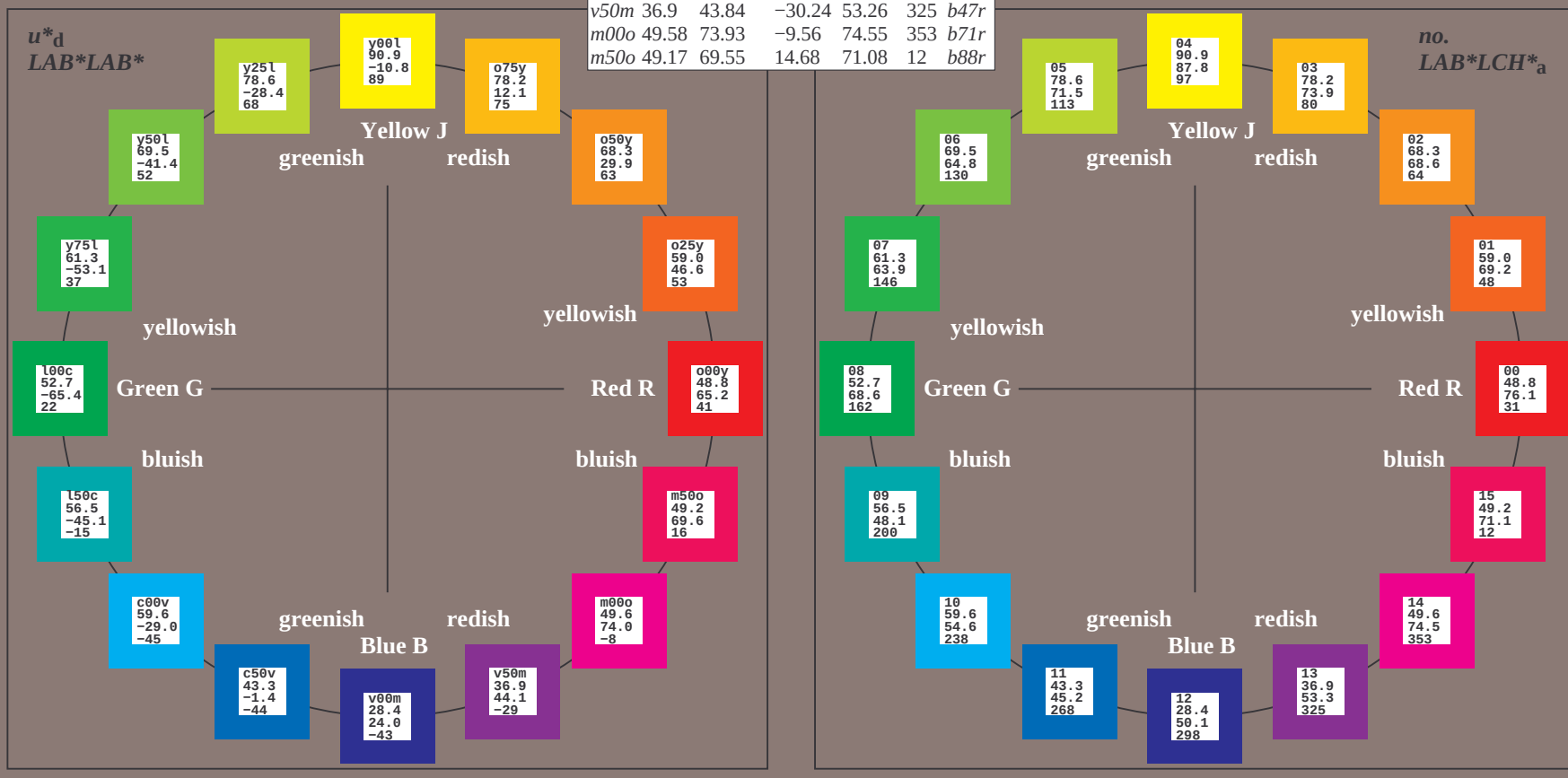
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

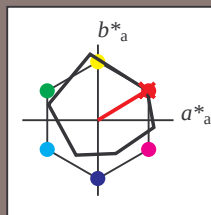
ORS19_96; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 49 65 39

LAB^*LCH^*Ma : 49 76 31

lab^*olv^*Ma : 1.0 0.0 0.0

lab^*rgb^*Ma : 1.0 0.09 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
o00y	48.75	65.07	39.43	76.08	31	r08j			
o25y	59.04	46.67	51.1	69.21	48	r33j			
o50y	68.32	30.09	61.62	68.58	64	r57j			
o75y	78.23	12.39	72.85	73.9	80	r81j			
y00l	90.92	-10.29	87.24	87.85	97	j06g			
y25l	78.57	-28.11	65.75	71.51	113	j29g			
y50l	69.46	-41.25	49.92	64.75	130	j53g			
y75l	61.32	-52.99	35.76	63.92	146	j76g			
l00c	52.69	-65.44	20.75	68.65	162	g00b			
l50c	56.55	-45.12	-16.57	48.07	200	g34b			
c00v	59.61	-28.98	-46.22	54.56	238	g69b			
c50v	43.33	-1.54	-45.13	45.16	268	g96b			
v00m	28.39	23.63	-44.13	50.06	298	b23r			
v50m	36.9	43.84	-30.24	53.26	325	b47r			
m00o	49.58	73.93	-9.56	74.55	353	b71r			
m50o	49.17	69.55	14.68	71.08	12	b88r			

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

brilliantness i^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

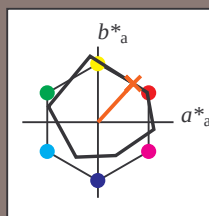
Hue texts:

$u^*_d = o25y$ $u^*_e = r33j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 59 47 51

$LAB^*LCH^*_Ma$: 59 69 47

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

$lab^*rgb^*_Ma$: 1.0 0.33 0.0

triangle lightness t^*

%Gamut

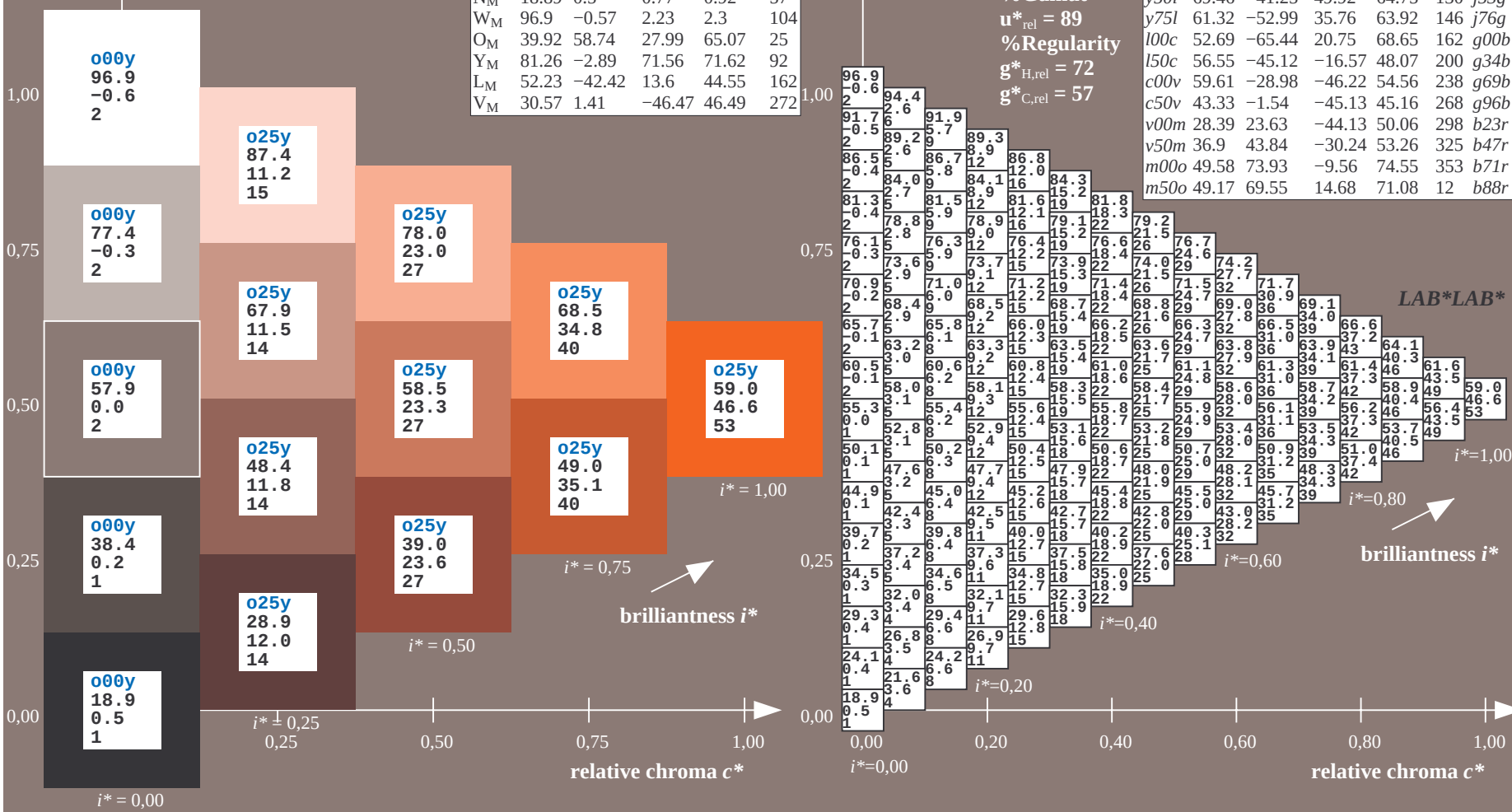
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$	
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$	
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$	
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$	
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$	
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$	
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$	
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$	
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$	
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$	
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$	
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$	
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$	
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$	
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$	
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

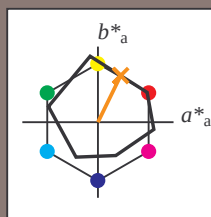
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 68 30 62

$LAB^*LCH^*_Ma$: 68 69 63

$lab^*olv^*_Ma$: 1.0 0.5 0.0

$lab^*rgb^*_Ma$: 1.0 0.58 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

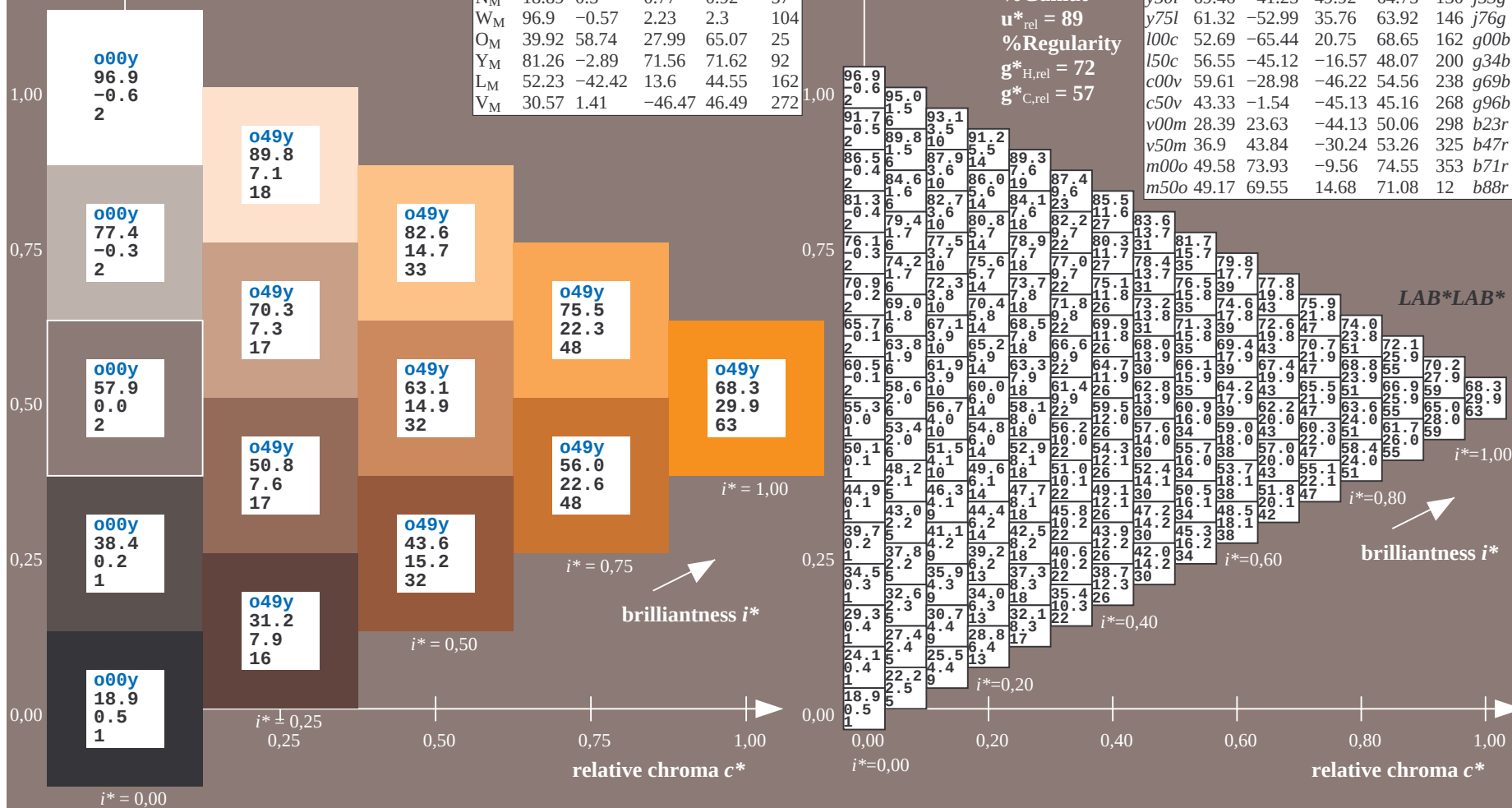
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

$u^*_d = o50y$
 LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



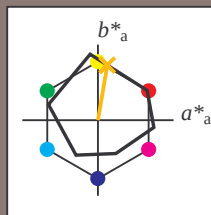
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.223$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = 0.75y \quad u_e^* = 0.81j$$

contrast reduction factor:

 $c_D = 1.0$ triangle lightness t^* 

ORS19_96; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

*LAB*LAB**M₃: 78 12 73

LAB*LCH* M_2 : 78 74 80

```
lab*oly*5: 1.0 0.75 0.0
```

$$1.0 \quad 0.02 \quad 0.0$$

lub-79b Ma. 1.0 0.82 0.0

triangle lightness t^*

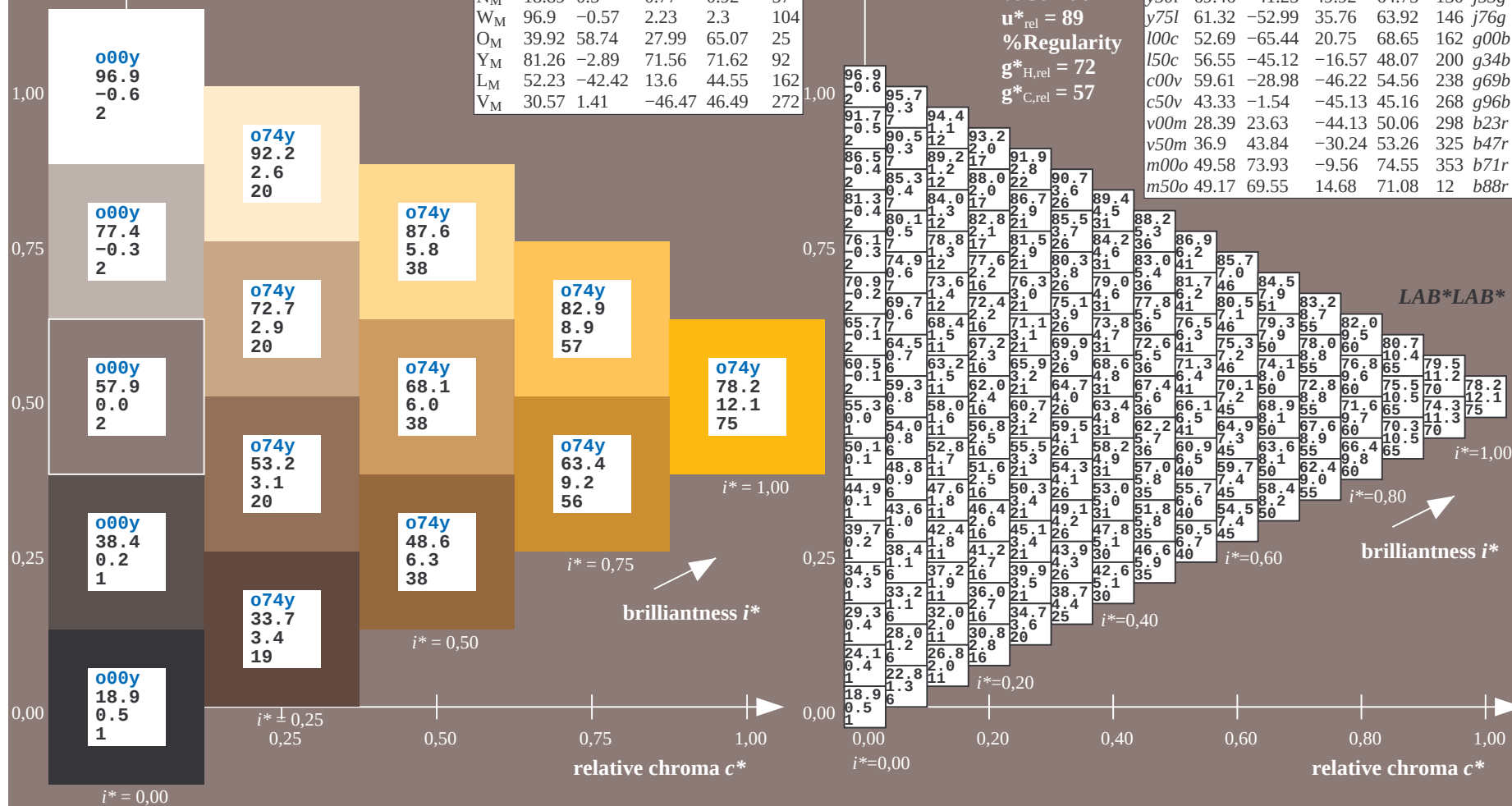
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	

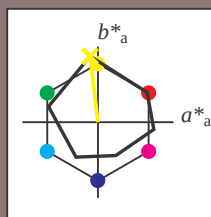


BAM-test chart Ee44; Colorimetric systems, Page 221/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = y00l$ $u^*_e = j06g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 91 -10 87

LAB^*LCH^*Ma : 91 88 96

lab^*olv^*Ma : 1.0 1.0 0.0

lab^*rgb^*Ma : 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

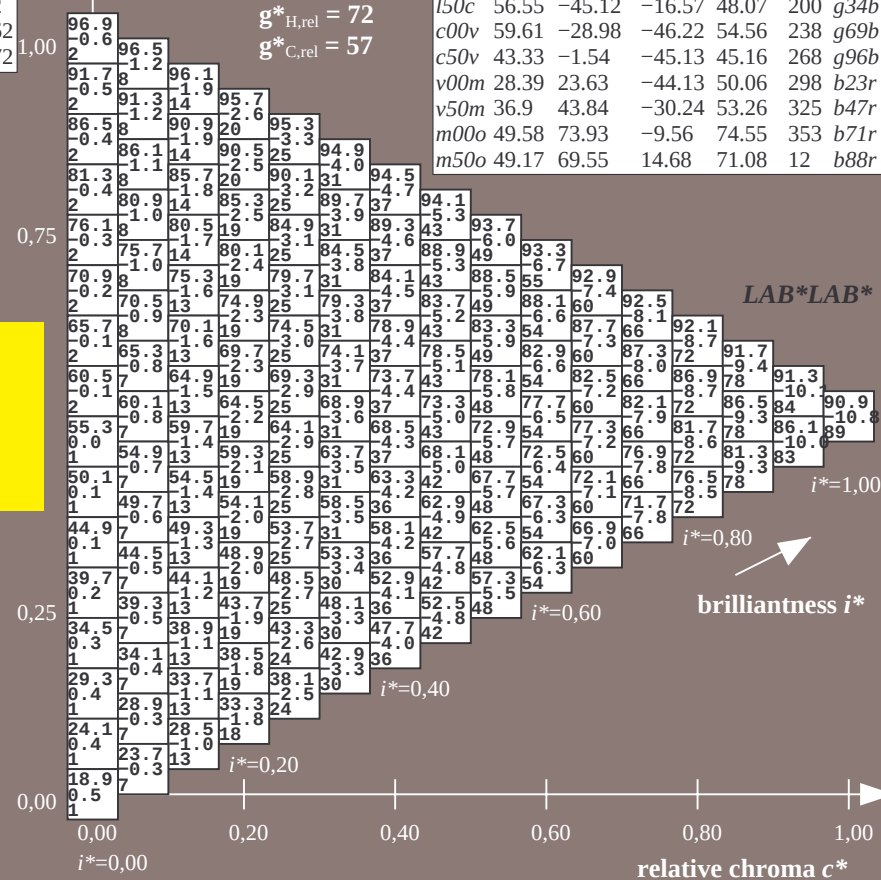
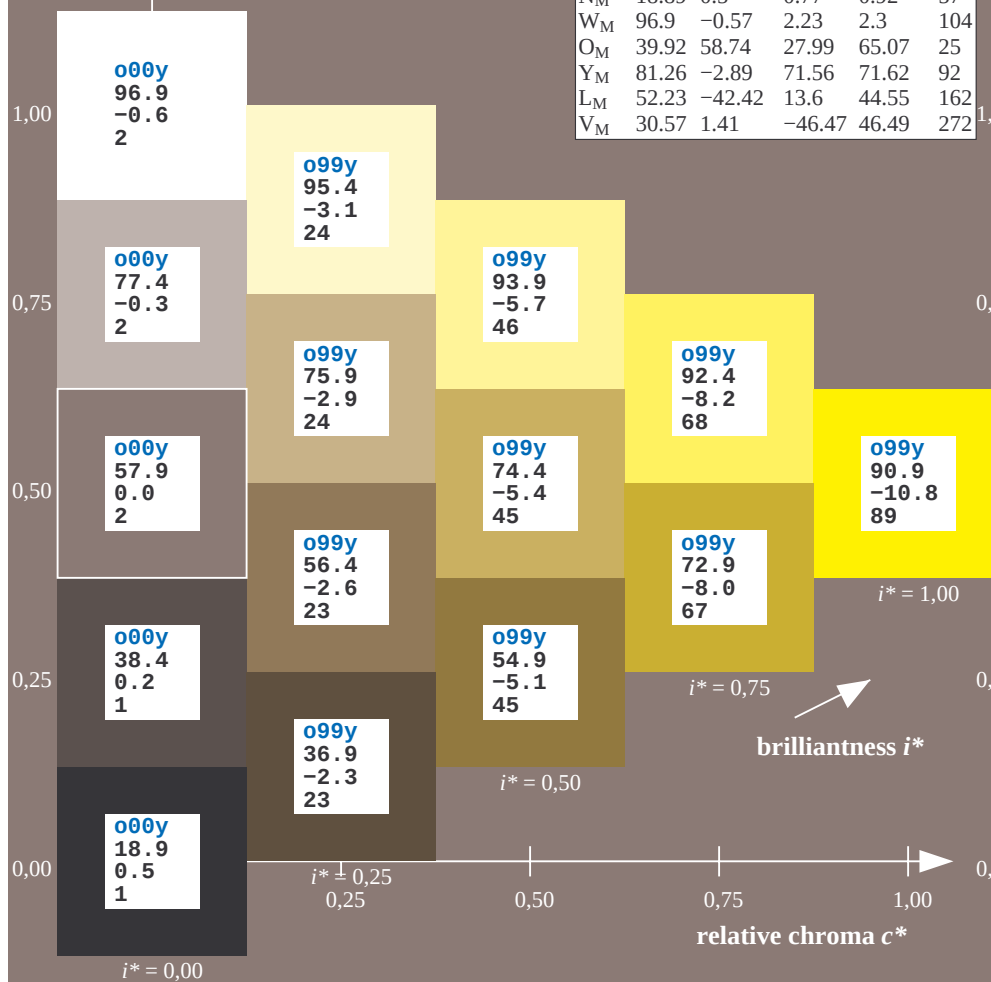
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

$u^*_d = y00l$
 LAB^*LAB^*

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

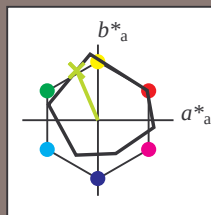
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 79 -28 66$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 79 72 113$

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 0.7 1.0 0.0$

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

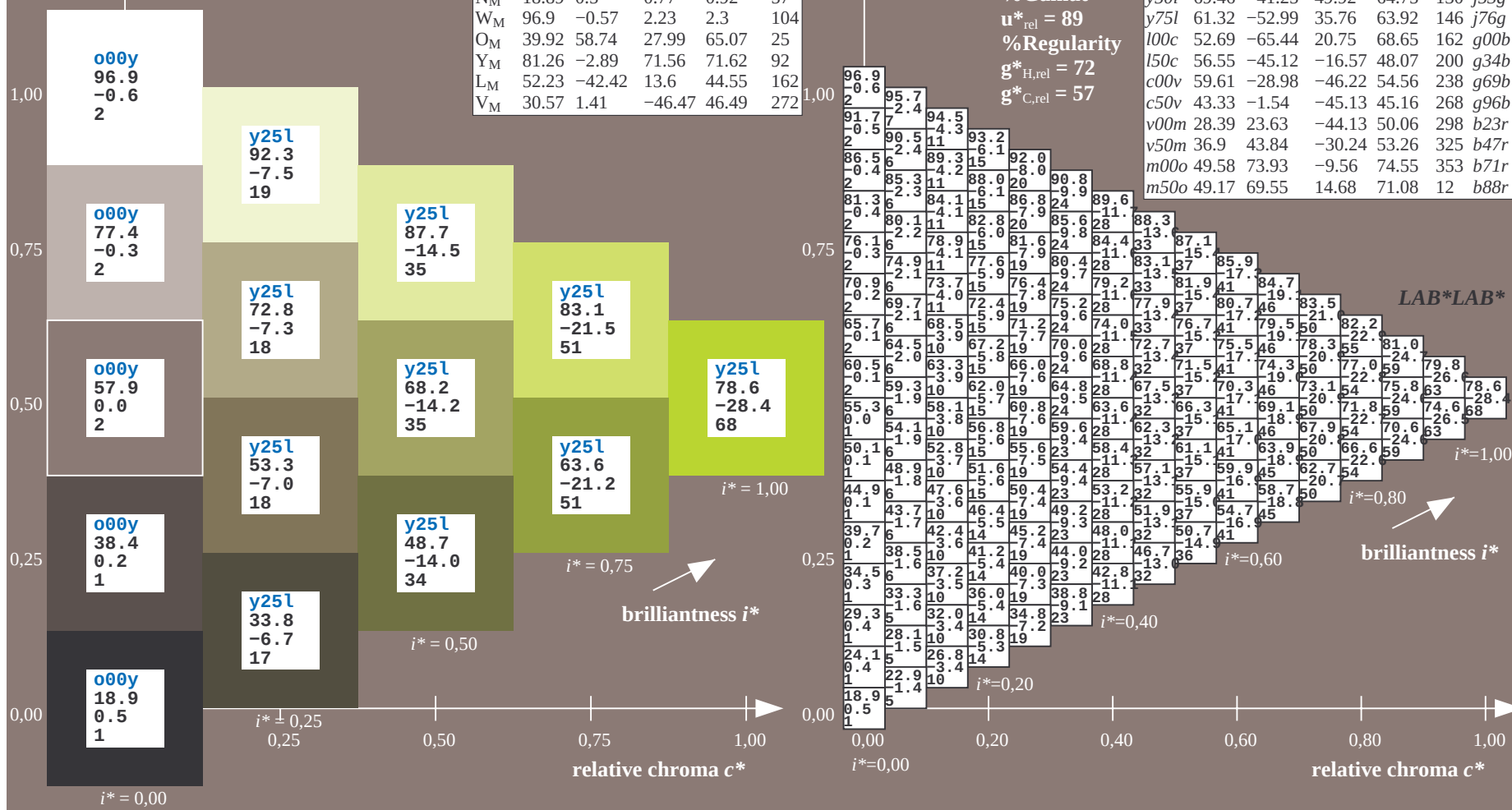
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$
 LAB^*LAB^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

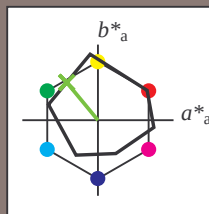
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 69 -41 50

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 69 65 129

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

brilliantness i^*

relative chroma c^*

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$ data for any colour:

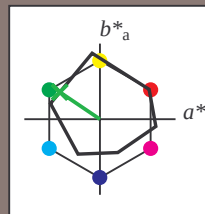
$u^*_d = y75l$
 LAB^*LAB^*

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

Hue texts:

$$u_d^* = y75l \quad u_e^* = j76g$$

contrast reduction factor:

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

ORS19_96; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	321	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	16	
C _M	59.61	-29.04	-44.69	53.3	23	
V _M	28.39	24.0	-43.18	49.4	29	
M _M	49.58	74.01	-8.22	74.47	35	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	10	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	16	
V _M	30.57	1.41	-46.47	46.49	27	

Data for maximum colour (Ma):

LAB*LAB*ME: 61 -53 36

LAB LAB Ma.	61	55	50
LAB*LGH*	61	61	115

LAB*LCH*Ma: 61 64 145

lab*olv*Ma: 0.25 1.0 0.0

lab*rgb*Ma: 0.23 1.0 0.0

triangle lightness t^*

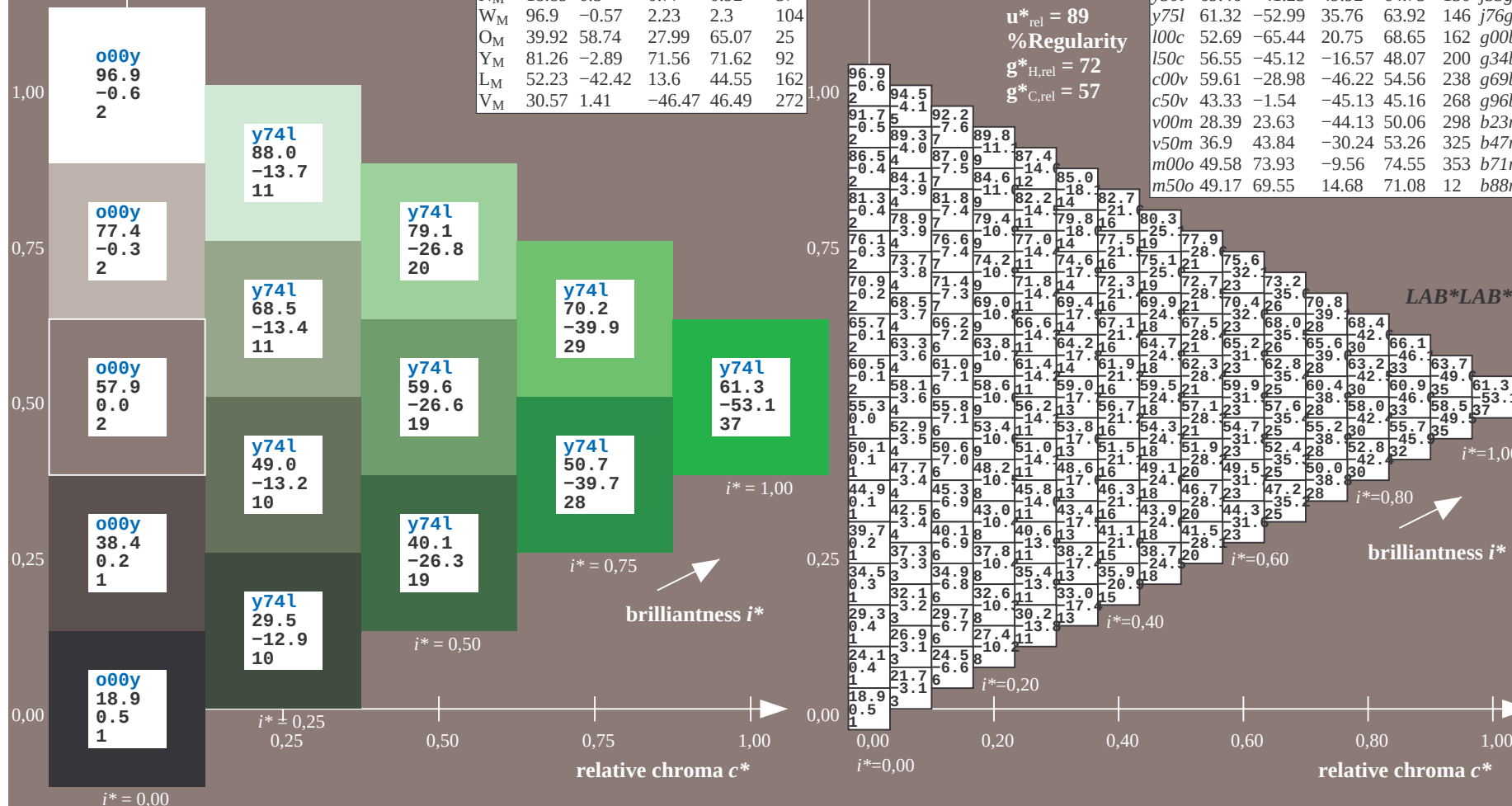
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00h</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34h</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69h</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96h</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23i</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47i</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71i</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88i</i>	

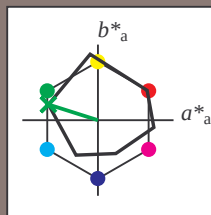


BAM-test chart Ee44; Colorimetric systems, Page 225/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = g00b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 53 -65 21$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 53 69 162$

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

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

triangle lightness t^*

%Gamut

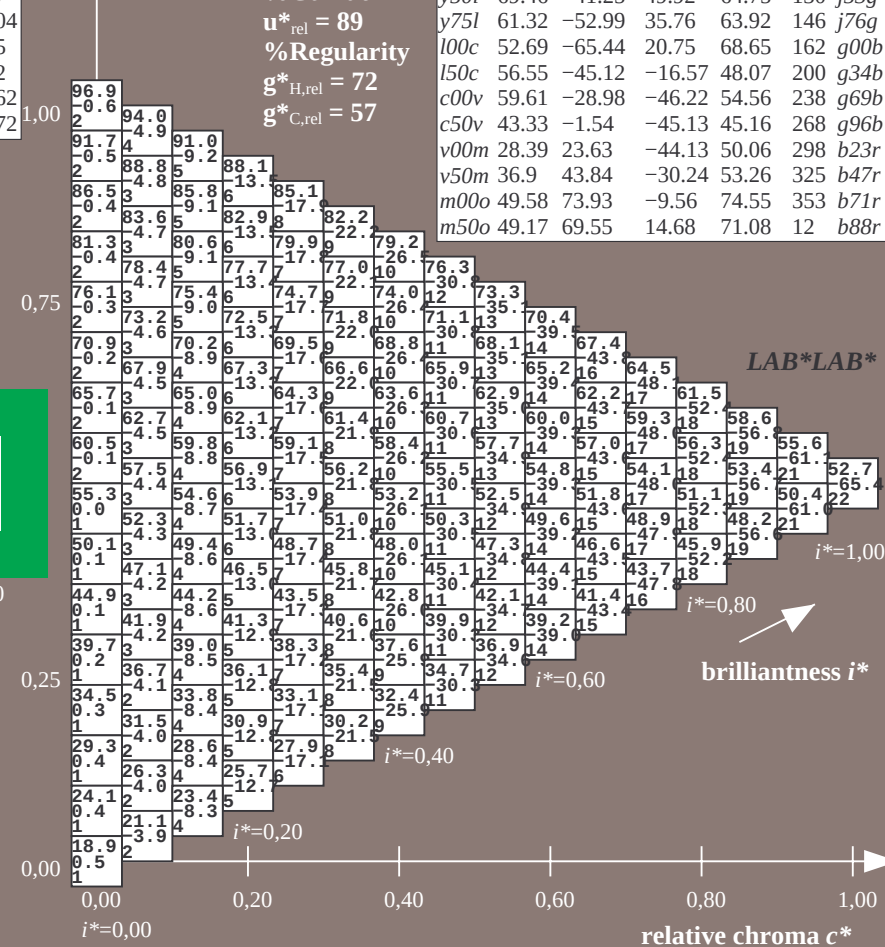
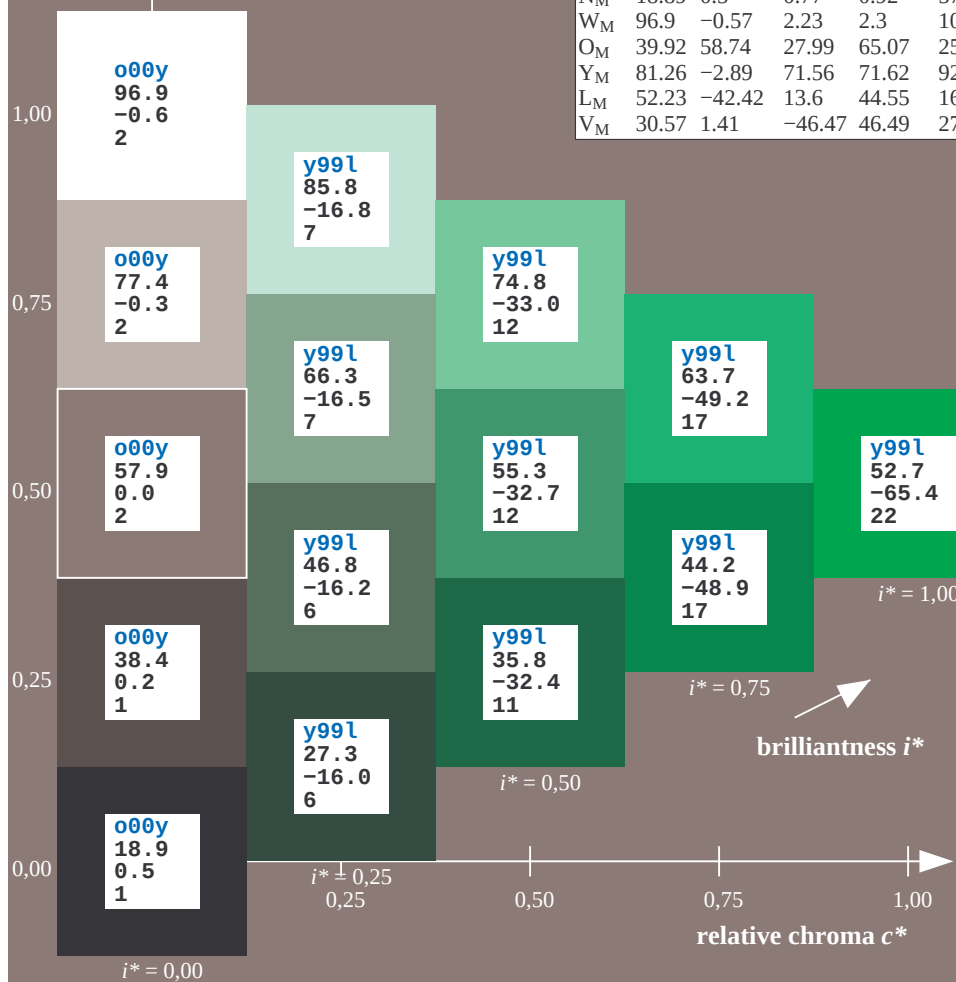
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

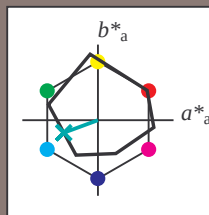
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
o00y	48.75	65.07	39.43	76.08	31	r08j			
o25y	59.04	46.67	51.1	69.21	48	r33j			
o50y	68.32	30.09	61.62	68.58	64	r57j			
o75y	78.23	12.39	72.85	73.9	80	r81j			
y00l	90.92	-10.29	87.24	87.85	97	j06g			
y25l	78.57	-28.11	65.75	71.51	113	j29g			
y50l	69.46	-41.25	49.92	64.75	130	j53g			
y75l	61.32	-52.99	35.76	63.92	146	j76g			
l00c	52.69	-65.44	20.75	68.65	162	g00b			
l50c	56.55	-45.12	-16.57	48.07	200	g34b			
c00v	59.61	-28.98	-46.22	54.56	238	g69b			
c50v	43.33	-1.54	-45.13	45.16	268	g96b			
v00m	28.39	23.63	-44.13	50.06	298	b23r			
v50m	36.9	43.84	-30.24	53.26	325	b47r			
m00o	49.58	73.93	-9.56	74.55	353	b71r			
m50o	49.17	69.55	14.68	71.08	12	b88r			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.556$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 150c$ $u^*_e = g34b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}: 57 -45 -17$

$\text{LAB}^*\text{LCH}^*_{Ma}: 57 48 200$

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

$\text{lab}^*\text{rgb}^*_{Ma}: 0.0 1.0 0.69$

triangle lightness t^*

%Gamut

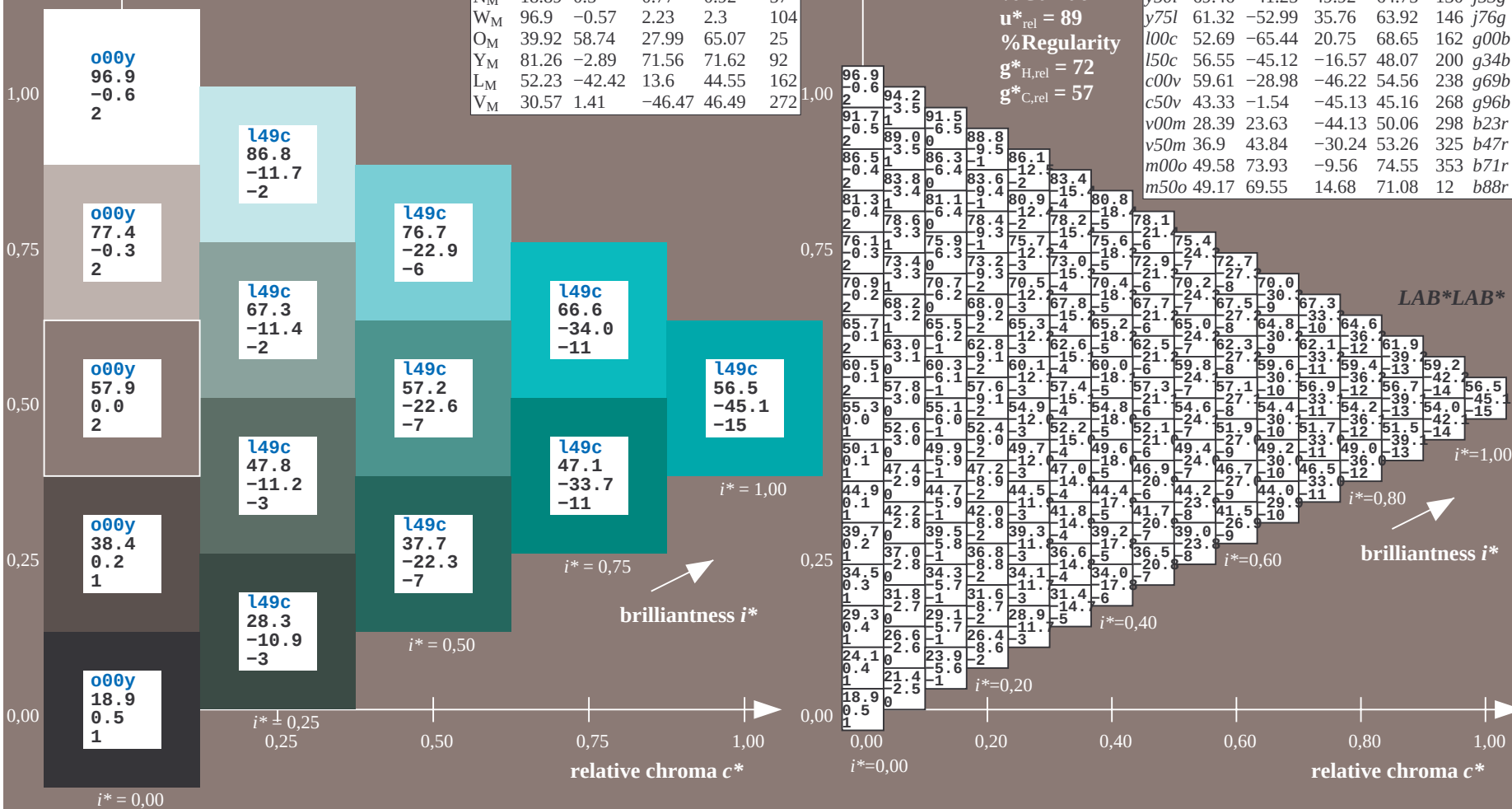
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$			
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$			
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$			
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$			
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$			
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$			
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$			
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$			
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$			
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$			
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$			
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$			
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$			
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$			
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$			
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

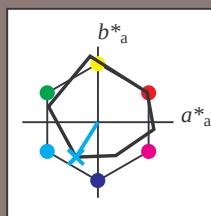
Hue texts:

$u^*_d = c00v$ $u^*_e = g69b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

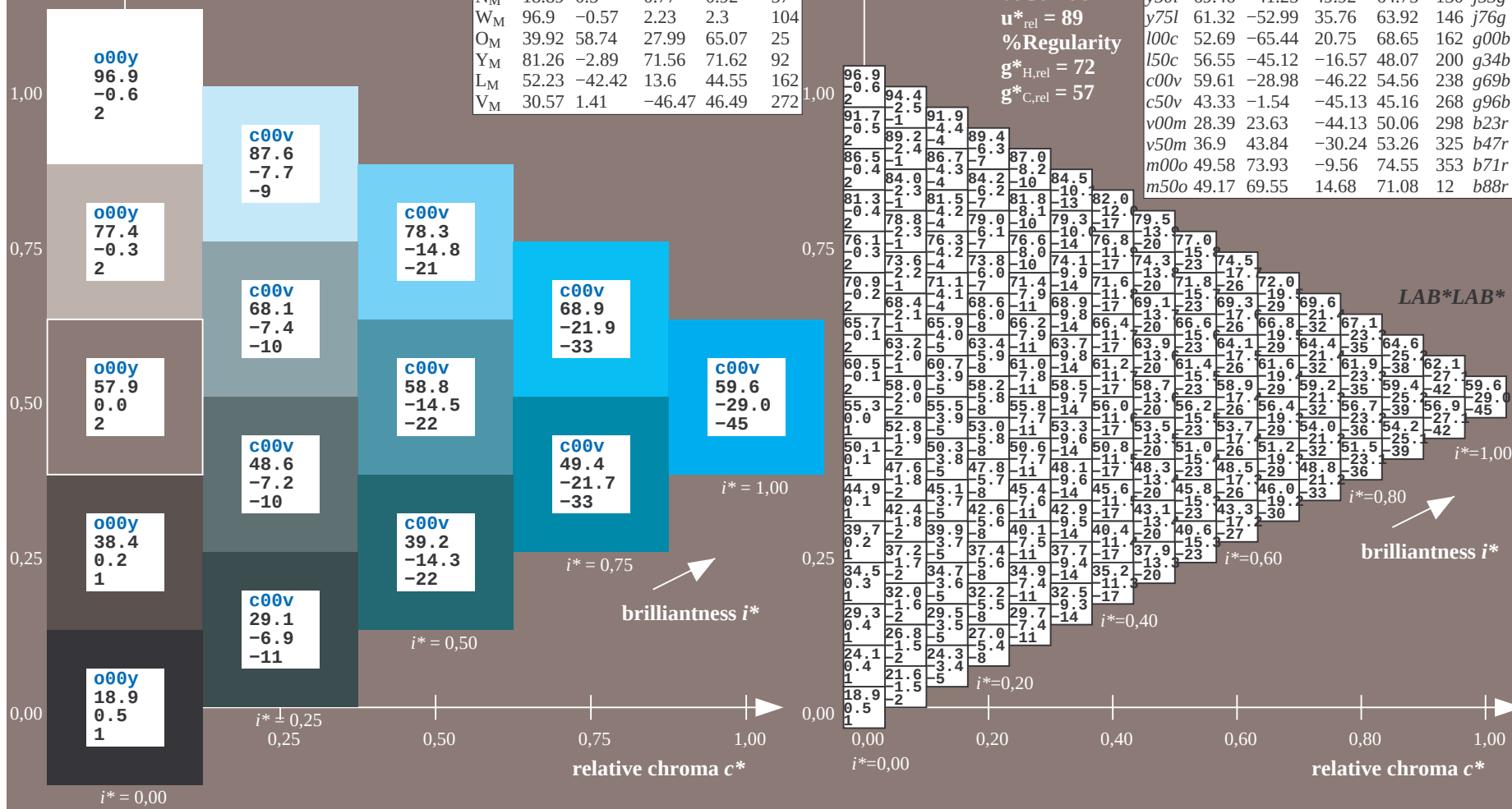
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c00v$
 LAB^*LAB^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

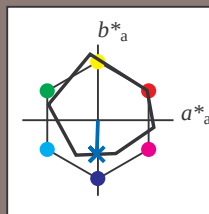
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 43 -2 -45

$LAB^*LCH^*_Ma$: 43 45 268

$lab^*olv^*_Ma$: 0.0 0.5 1.0

$lab^*rgb^*_Ma$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

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Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

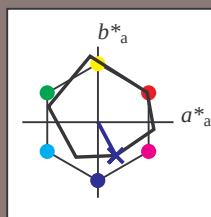
Hue texts:

$u^*_d = v00m$ $u^*_e = b23r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 28 24 -44

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

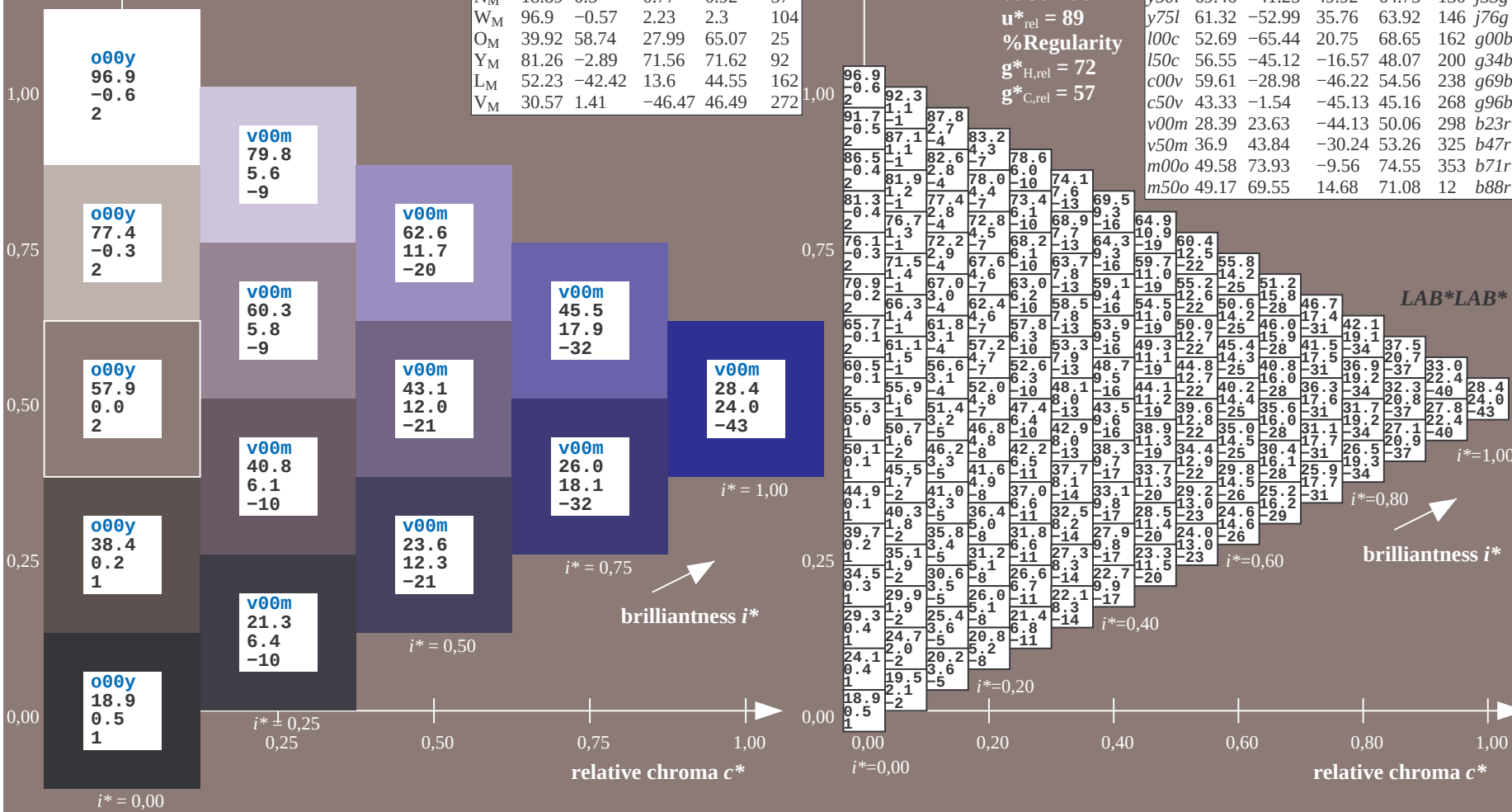
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

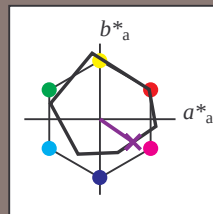
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = v00m$
 LAB^*LAB^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = v50m$ $u^*_e = b47r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
	u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 37 44 -30

$LAB^*LCH^*_Ma$: 37 53 325

$lab^*olv^*_Ma$: 0.5 0.0 1.0

$lab^*rgb^*_Ma$: 0.94 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e		
$o00y$	48.75	65.07	39.43	76.08	31		$r08j$		
$o25y$	59.04	46.67	51.1	69.21	48		$r33j$		
$o50y$	68.32	30.09	61.62	68.58	64		$r57j$		
$o75y$	78.23	12.39	72.85	73.9	80		$r81j$		
$y00l$	90.92	-10.29	87.24	87.85	97		$j06g$		
$y25l$	78.57	-28.11	65.75	71.51	113		$j29g$		
$y50l$	69.46	-41.25	49.92	64.75	130		$j53g$		
$y75l$	61.32	-52.99	35.76	63.92	146		$j76g$		
$l00c$	52.69	-65.44	20.75	68.65	162		$g00b$		
$l50c$	56.55	-45.12	-16.57	48.07	200		$g34b$		
$c00v$	59.61	-28.98	-46.22	54.56	238		$g69b$		
$c50v$	43.33	-1.54	-45.13	45.16	268		$g96b$		
$v00m$	28.39	23.63	-44.13	50.06	298		$b23r$		
$v50m$	36.9	43.84	-30.24	53.26	325		$b47r$		
$m00o$	49.58	73.93	-9.56	74.55	353		$b71r$		
$m50o$	49.17	69.55	14.68	71.08	12		$b88r$		

$u^*_d = v50m$

LAB^*LAB^*

LAB^*LAB^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

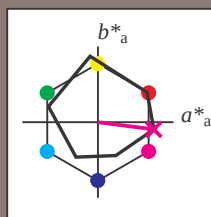
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 50\ 74\ -10$

$LAB^*LCH^*Ma: 50\ 75\ 352$

$lab^*olv^*Ma: 1.0\ 0.0\ 1.0$

$lab^*rgb^*Ma: 1.0\ 0.0\ 0.58$

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

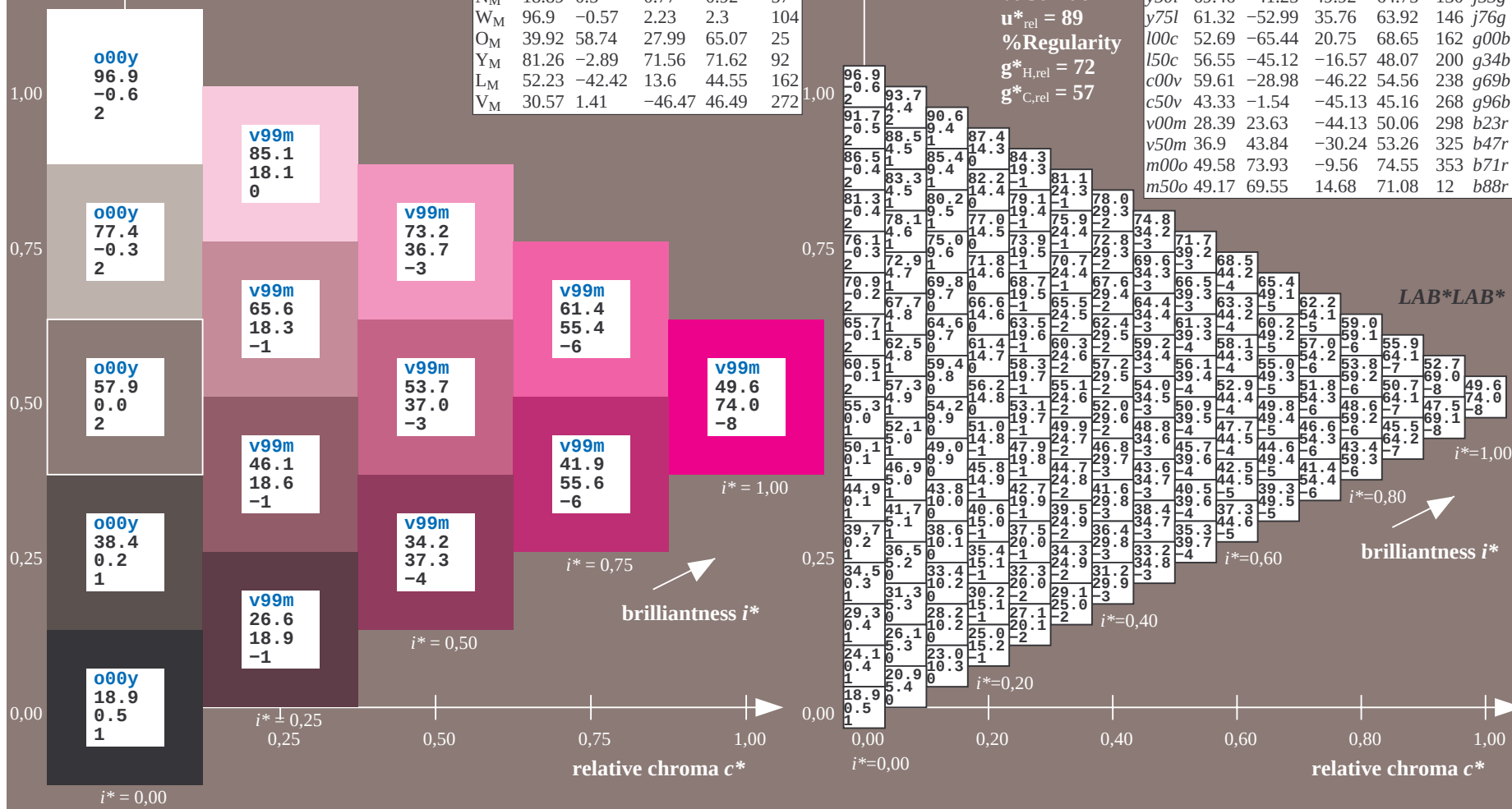
%Regularity

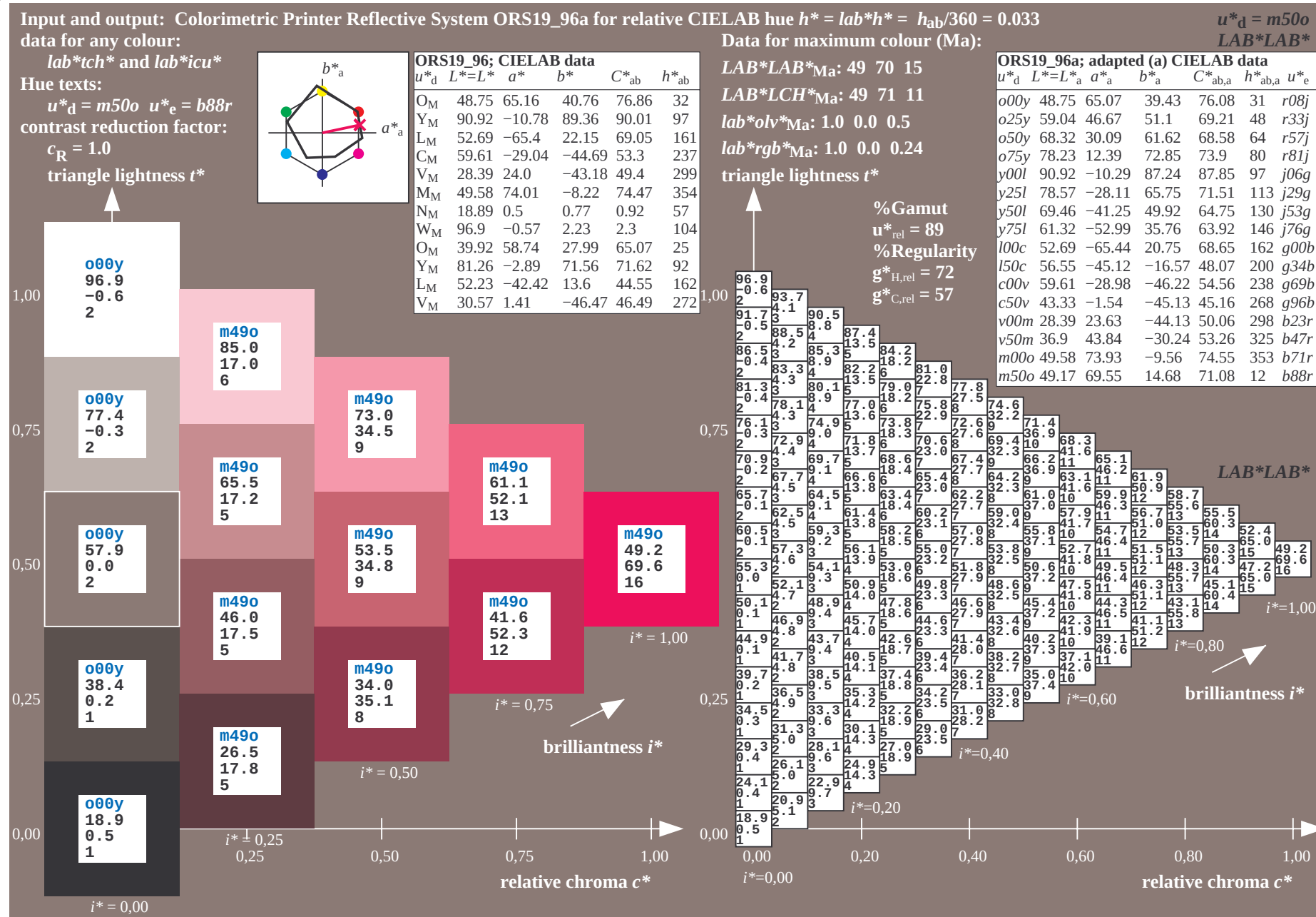
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
o00y	48.75	65.07	39.43	76.08	31	r08j			
o25y	59.04	46.67	51.1	69.21	48	r33j			
o50y	68.32	30.09	61.62	68.58	64	r57j			
o75y	78.23	12.39	72.85	73.9	80	r81j			
y00l	90.92	-10.29	87.24	87.85	97	j06g			
y25l	78.57	-28.11	65.75	71.51	113	j29g			
y50l	69.46	-41.25	49.92	64.75	130	j53g			
y75l	61.32	-52.99	35.76	63.92	146	j76g			
l00c	52.69	-65.44	20.75	68.65	162	g00b			
l50c	56.55	-45.12	-16.57	48.07	200	g34b			
c00v	59.61	-28.98	-46.22	54.56	238	g69b			
c50v	43.33	-1.54	-45.13	45.16	268	g96b			
v00m	28.39	23.63	-44.13	50.06	298	b23r			
v50m	36.9	43.84	-30.24	53.26	325	b47r			
m00o	49.58	73.93	-9.56	74.55	353	b71r			
m50o	49.17	69.55	14.68	71.08	12	b88r			

$u^*_d = m00o$
 LAB^*LAB^*





See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee44/10L/L44E00FP.PS/.PDF BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
01	18.9	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	57.0	61.3	65.5	69.8	74.0	78.3	82.5	86.8	91.0	95.3	99.5	103.8	108.0	112.3	116.5	120.8	125.0	129.3	133.5	137.8	142.0	146.3	150.5	154.8	159.0	163.3	167.5	171.8	176.0	180.3	184.5	188.8	193.0	197.3	201.5	205.8	210.0	214.3	218.5	222.8	227.0	231.3	235.5	239.8	244.0	248.3	252.5	256.8	261.0	265.3	269.5	273.8	278.0	282.3	286.5	290.8	295.0	299.3	303.5	307.8	312.0	316.3	320.5	324.8	329.0	333.3	337.5	341.8	346.0	350.3	354.5	358.8	363.0	367.3	371.5	375.8	380.0	384.3	388.5	392.8	397.0	401.3	405.5	409.8	414.0	418.3	422.5	426.8	431.0	435.3	439.5	443.8	448.0	452.3	456.5	460.8	465.0	469.3	473.5	477.8	482.0	486.3	490.5	494.8	499.0	503.3	507.5	511.8	516.0	520.3	524.5	528.8	533.0	537.3	541.5	545.8	550.0	554.3	558.5	562.8	567.0	571.3	575.5	579.8	584.0	588.3	592.5	596.8	601.0	605.3	609.5	613.8	618.0	622.3	626.5	630.8	635.0	639.3	643.5	647.8	652.0	656.3	660.5	664.8	669.0	673.3	677.5	681.8	686.0	690.3	694.5	698.8	703.0	707.3	711.5	715.8	720.0	724.3	728.5	732.8	737.0	741.3	745.5	749.8	754.0	758.3	762.5	766.8	771.0	775.3	779.5	783.8	788.0	792.3	796.5	800.8	805.0	809.3	813.5	817.8	822.0	826.3	830.5	834.8	839.0	843.3	847.5	851.8	856.0	860.3	864.5	868.8	873.0	877.3	881.5	885.8	890.0	894.3	898.5	902.8	907.0	911.3	915.5	919.8	924.0	928.3	932.5	936.8	941.0	945.3	949.5	953.8	958.0	962.3	966.5	970.8	975.0	979.3	983.5	987.8	992.0	996.3	1000.5	1004.8	1009.0	1013.3	1017.5	1021.8	1026.0	1030.3	1034.5	1038.8	1043.0	1047.3	1051.5	1055.8	1060.0	1064.3	1068.5	1072.8	1077.0	1081.3	1085.5	1089.8	1094.0	1098.3	1102.5	1106.8	1111.0	1115.3	1119.5	1123.8	1128.0	1132.3	1136.5	1140.8	1145.0	1149.3	1153.5	1157.8	1162.0	1166.3	1170.5	1174.8	1179.0	1183.3	1187.5	1191.8	1196.0	1200.3	1204.5	1208.8	1213.0	1217.3	1221.5	1225.8	1230.0	1234.3	1238.5	1242.8	1247.0	1251.3	1255.5	1259.8	1264.0	1268.3	1272.5	1276.8	1281.0	1285.3	1289.5	1293.8	1298.0	1302.3	1306.5	1310.8	1315.0	1319.3	1323.5	1327.8	1332.0	1336.3	1340.5	1344.8	1349.0	1353.3	1357.5	1361.8	1366.0	1370.3	1374.5	1378.8	1383.0	1387.3	1391.5	1395.8	1400.0	1404.3	1408.5	1412.8	1417.0	1421.3	1425.5	1429.8	1434.0	1438.3	1442.5	1446.8	1451.0	1455.3	1459.5	1463.8	1468.0	1472.3	1476.5	1480.8	1485.0	1489.3	1493.5	1497.8	1502.0	1506.3	1510.5	1514.8	1519.0	1523.3	1527.5	1531.8	1536.0	1540.3	1544.5	1548.8	1553.0	1557.3	1561.5	1565.8	1570.0	1574.3	1578.5	1582.8	1587.0	1591.3	1595.5	1599.8	1604.0	1608.3	1612.5	1616.8	1621.0	1625.3	1629.5	1633.8	1638.0	1642.3	1646.5	1650.8	1655.0	1659.3	1663.5	1667.8	1672.0	1676.3	1680.5	1684.8	1689.0	1693.3	1697.5	1701.8	1706.0	1710.3	1714.5	1718.8	1723.0	1727.3	1731.5	1735.8	1740.0	1744.3	1748.5	1752.8	1757.0	1761.3	1765.5	1769.8	1774.0	1778.3	1782.5	1786.8	1791.0	1795.3	1799.5	1803.8	1808.0	1812.3	1816.5	1820.8	1825.0	1829.3	1833.5	1837.8	1842.0	1846.3	1850.5	1854.8	1859.0	1863.3	1867.5	1871.8	1876.0	1880.3	1884.5	1888.8	1893.0	1897.3	1901.5	1905.8	1909.8	1914.0	1918.3	1922.5	1926.8	1931.0	1935.3	1939.5	1943.8	1948.0	1952.3	1956.5	1960.8	1965.0	1969.3	1973.5	1977.8	1982.0	1986.3	1990.5	1994.8	1999.0	2003.3	2007.5	2011.8	2016.0	2020.3	2024.5	2028.8	2033.0	2037.3	2041.5	2045.8	2050.0	2054.3	2058.5	2062.8	2067.0	2071.3	2075.5	2079.8	2084.0	2088.3	2092.5	2096.8	2101.0	2105.3	2109.5	2113.8	2118.0	2122.3	2126.5	2130.8	2135.0	2139.3	2143.5	2147.8	2152.0	2156.3	2160.5	2164.8	2169.0	2173.3	2177.5	2181.8	2186.0	2190.3	2194.5	2198.8	2203.0	2207.3	2211.5	2215.8	2220.0	2224.3	2228.5	2232.8	2237.0	2241.3	2245.5	2249.8	2254.0	2258.3	2262.5	2266.8	2271.0	2275.3	2279.5	2283.8	2288.0	2292.3	2296.5	2300.8	2305.0	2309.3	2313.5	2317.8	2322.0	2326.3	2330.5	2334.8	2339.0	2343.3	2347.5	2351.8	2356.0	2360.3	2364.5	2368.8	2373.0	2377.3	2381.5	2385.8	2390.0	2394.3	2398.5	2402.8	2407.0	2411.3	2415.5	2419.8	2424.0	2428.3	2432.5	2436.8	2441.0	2445.3	2449.5	2453.8	2458.0	2462.3	2466.5	2470.8	2475.0	2479.3	2483.5	2487.8	2492.0	2496.3	2500.5	2504.8	2509.0	2513.3	2517.5	2521.8	2526.0	2530.3	2534.5	2538.8	2543.0	2547.3	2551.5	2555.8	2560.0	2564.3	2568.5	2572.8	2577.0	2581.3	2585.5	2589.8	2594.0	2598.3	2602.5	2606.8	2611.0	2615.3	2619.5	2623.8	2628.0	2632.3	2636.5	2640.8	2645.0	2649.3	2653.5	2657.8	2662.0	2666.3	2670.5	2674.8	2679.0	2683.3	2687.5	2691.8	2696.0	2700.3	2704.5	2708.8	2713.0	2717.3	2721.5	2725.8	2730.0	2734.3	2738.5	2742.8	2747.0	2751.3	2755.5	2759.8	2764.0	2768.3	2772.5	2776.8	2781.0	2785.3	2789.5	2793.8	2798.0	2802.3	2806.5	2810.8	2815.0	2819.3	2823.5	2827.8	2832.0	2836.3	2840.5	2844.8	2849.0	2853.3	2857.5	2861.8	2866.0	2870.3	2874.5	2878.8	2883.0	2887.3	2891.5	2895.8	2900.0	2904.3	2908.5	2912.8	2917.0	2921.3	2925.5	2929.8	2934.0	2938.3	2942.5	2946.8	2951.0	2955.3	2959.5	2963.8	2968.0	2972.3	2976.5	2980.8	2985.0	2989.3	2993.5	2997.8	3002.0	3006.3	3010.5	3014.8	3019.0	3023.3	3027.5	3031.8	3036.0	3040.3	3044.5	3048.8	3053.0	3057.3	3061.5	3065.8	3070.0	3074.3	3078.5	3082.8	3087.0	3091.3	3095.5	3099.8	3104.0	3108.3	3112.5	3116.8	3121.0	3125.3	3129.5	3133.8	3138.0	3142.3	3146.5	3150.8	3155.0	3159.3	3163.5	3167.8	3172.0	3176.3	3180.5	3184.8	3189.0	3193.3	3197.5	3201.8	3206.0	3210.3	3214.5	3218.8	3223.0	3227.3	3231.5	3235.8	3240.0	3244.3	3248.5	3252.8	3257.0	3261.3	3265.5	3269.8	3274.0	3278.3	3282.5	3286.8	3291.0	3295.3	3299.5	3303.8	3308.0	3312.3	3316.5	3320.8	3325.0	3329.3	3333.5	3337.8	3342.0	3346.3	3350.5	3354.8	3359.0	3363.3	3367.5	3371.8	3376.0	3380.3	3384.5	3388.8	3393.0	3397.3	3401.5	3405.8	3410.0	3414.3	3418.5	3422.8	3427.0	3431.3	3435.5	3439.8	3444.0	3448.3	3452.5	3456.8	3461.0	3465.3	3469.5	3473.8	3478.0	3482.3	3486.5	3490.8	3495.0	3499.3	3503.5	3507.8	3512.0	3516.3	3520.5	3524.8	3529.0	3533.3	3537.5	3541.8	3546.0	3550.3	3554.5	3558.8	3563.0	3567.3	3571.5	3575.8	3580.0	3584.3	3588.5	3592.8	3597.0	3601.3	3605.5	3609.8	3614.0	3618.3	3622.5	3626.8	3631.0	3635.3	3639.5	3643.8	3648.0	3652.3	3656.5	3660.8	3665.0	3669.3	3673.5	3677.8	3682.0	3686.3	3690.5	3694.8	3699.0	3703.3	3707.5	3711.8	3716.0	3720.3	3724.5	3728.8	3733.0	3737.3	3741.5	3745.8	3750.0	3754.3	3758.5	3762.8	3767.0	3771.3	3775.5	3779.8	3784.0	3788.3	3792.5	3796.8	3801.0	3805.3	3809.5	3813.8	3818.0	3822.3	3826.5	3830.8	3835.0	3839.3	3843.5	3847.8	3852.0	3856.3	3860.5	3864.8	3869.0	3873.3	3877.5	3881.8	3886.0	3890.3	3894.5	3898.8	3903.0	3907.3	3911.5	3915.8	3920.0	3924.3	3928.5	3932.8	3937.0	393

Input and output:

Colorimetric Printer Reflective System ORS19_96a

data for any colour:

u^*_d and number $no.$ = 00 .. 15

device hue text:

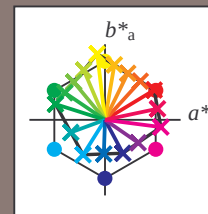
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

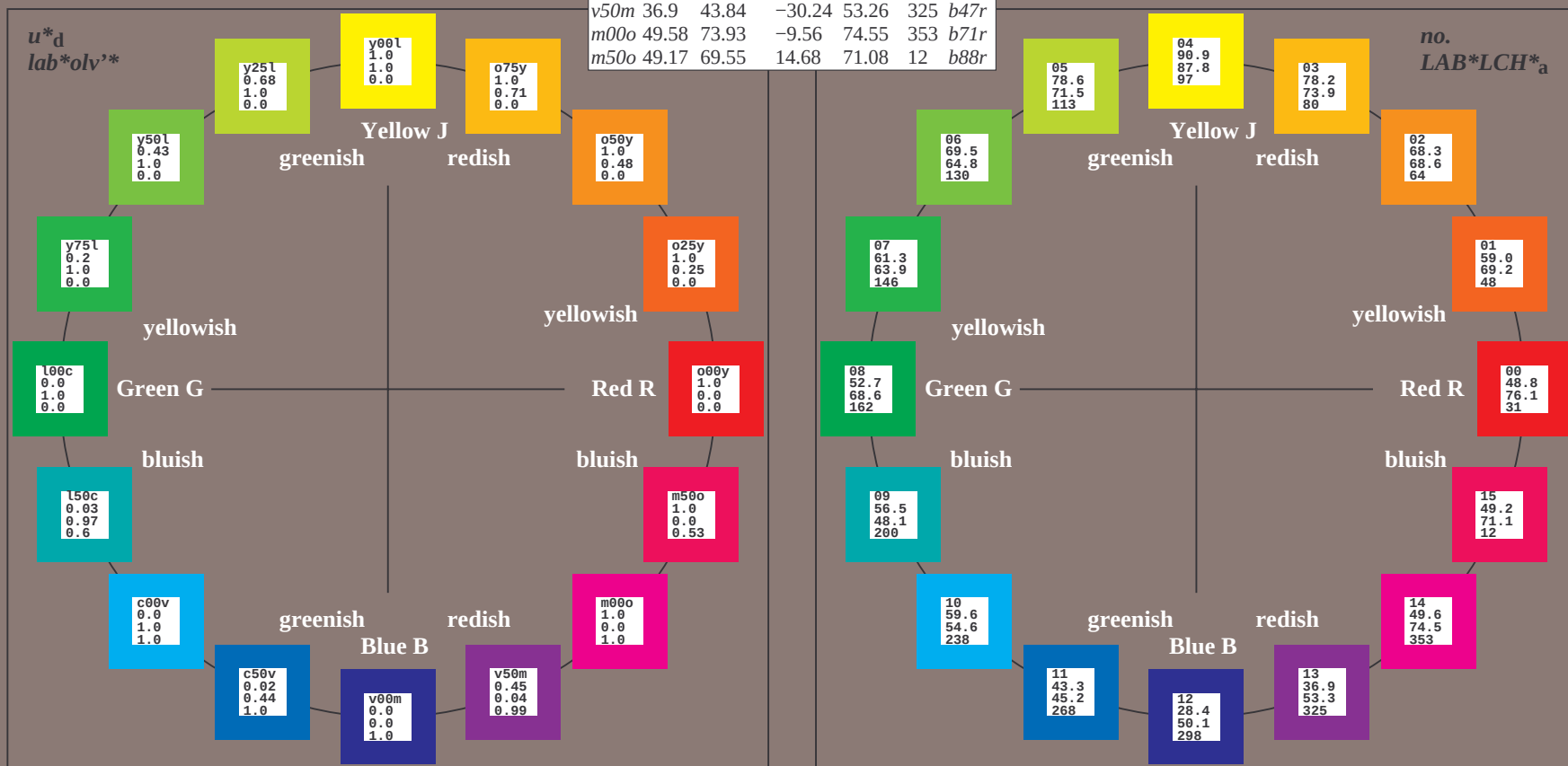
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

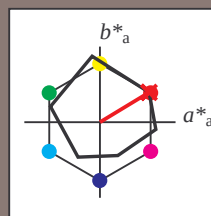
ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o00y$ $u^*_e = r08j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
	u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 65 39

$LAB^*LCH^*_{Ma}$: 49 76 31

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

$lab^*rgb^*_{Ma}$: 1.0 0.09 0.0

triangle lightness t^*

% Gamut

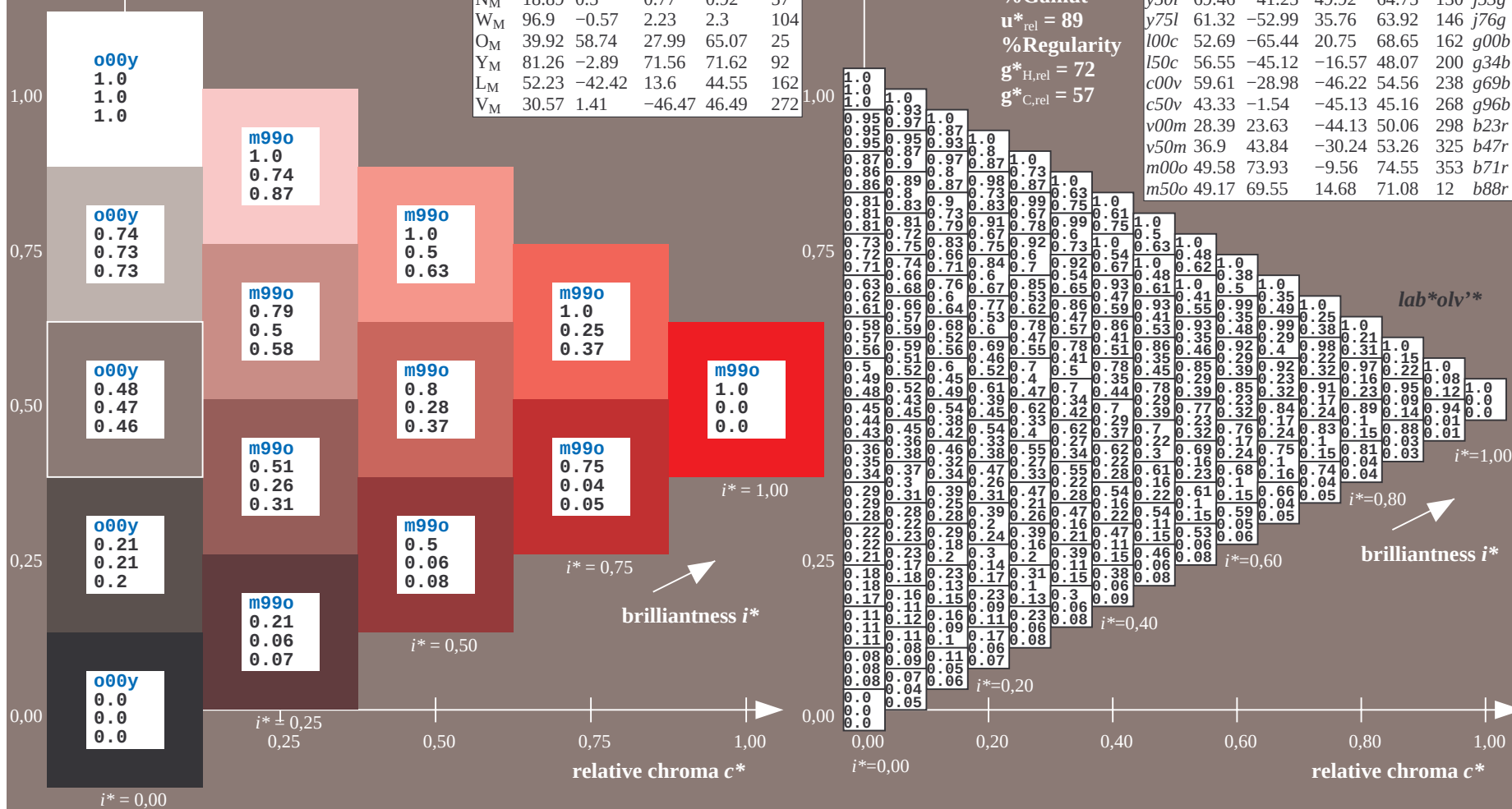
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

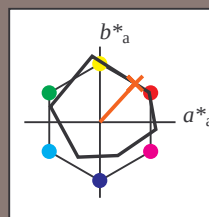
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$	
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$	
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$	
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$	
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$	
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$	
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$	
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$	
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$	
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$	
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$	
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$	
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$	
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$	
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$	
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o25y$ $u^*_e = r33j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

% Gamut

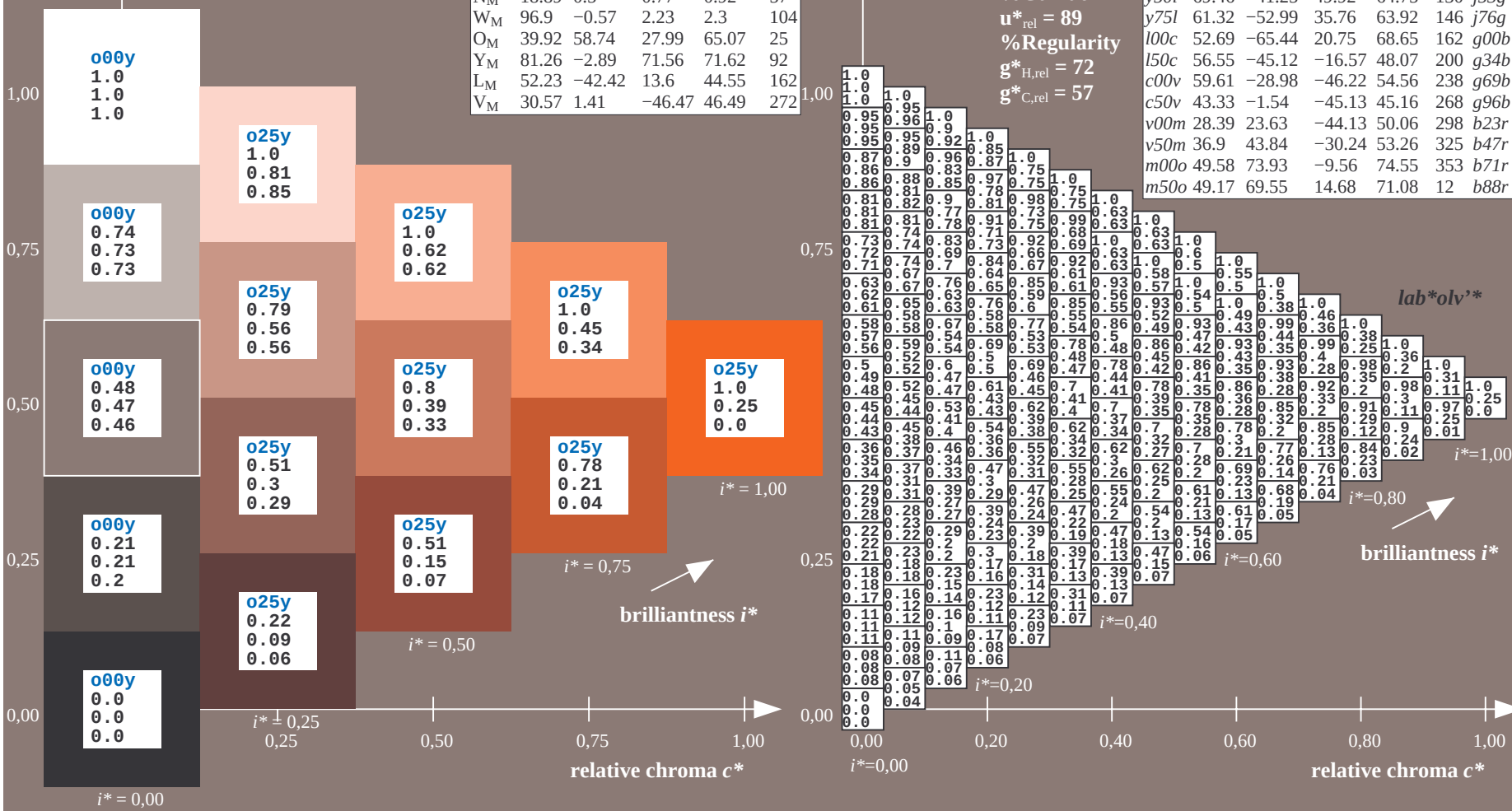
$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$	
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$	
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$	
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$	
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$	
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$	
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$	
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$	
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$	
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$	
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$	
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$	
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$	
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$	
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$	
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

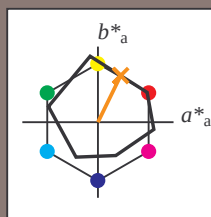
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

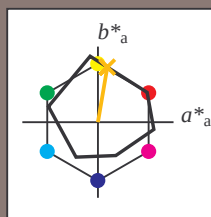
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 78 12 73

$LAB^*LCH^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

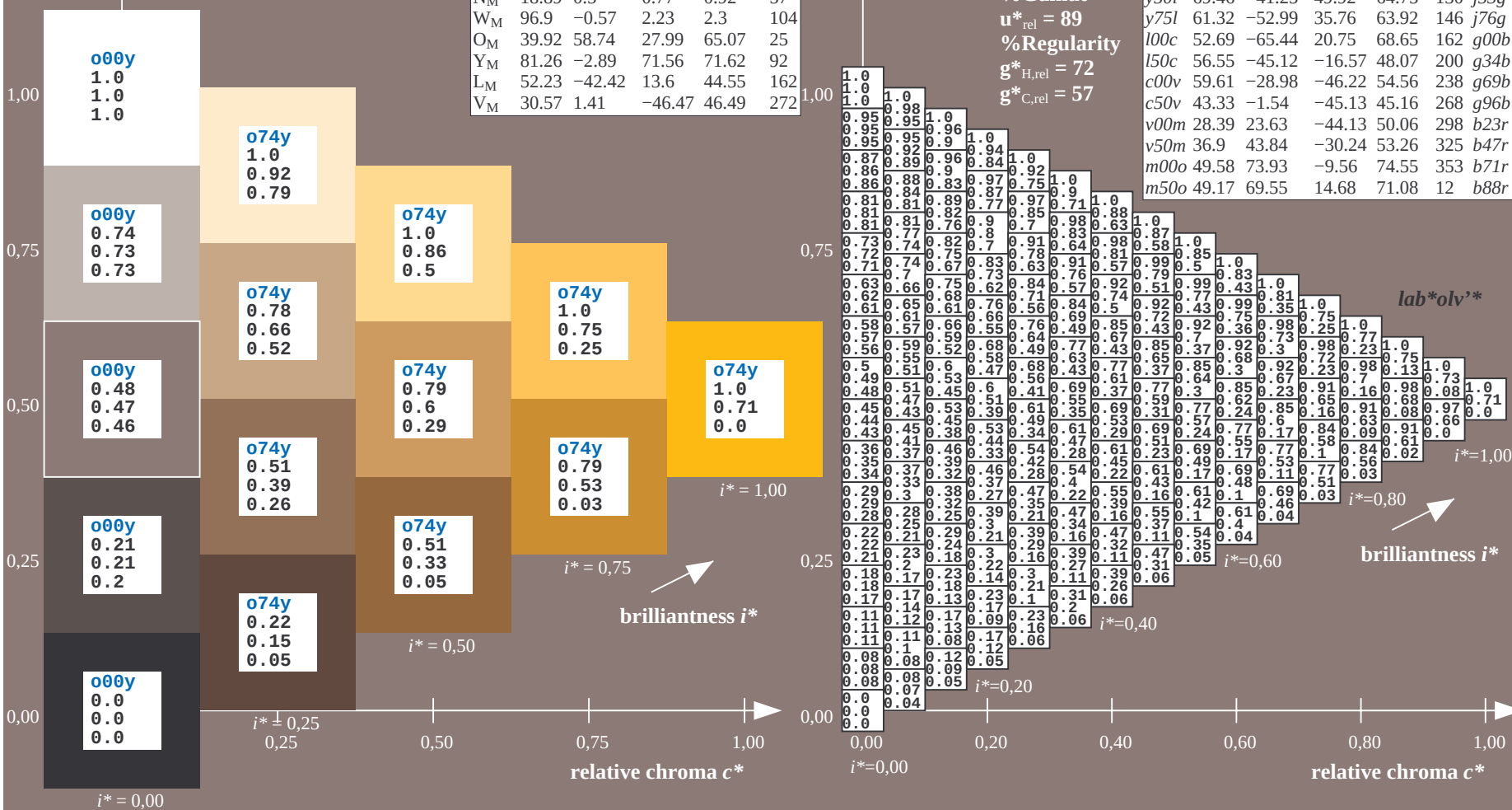
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = o75y$
 $lab^*olv^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

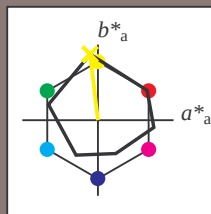
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 91 -10 87

$LAB^*LCH^*_{Ma}$: 91 88 96

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

$lab^*rgb^*_{Ma}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

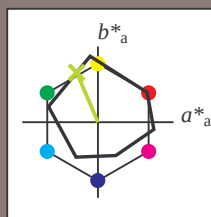
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

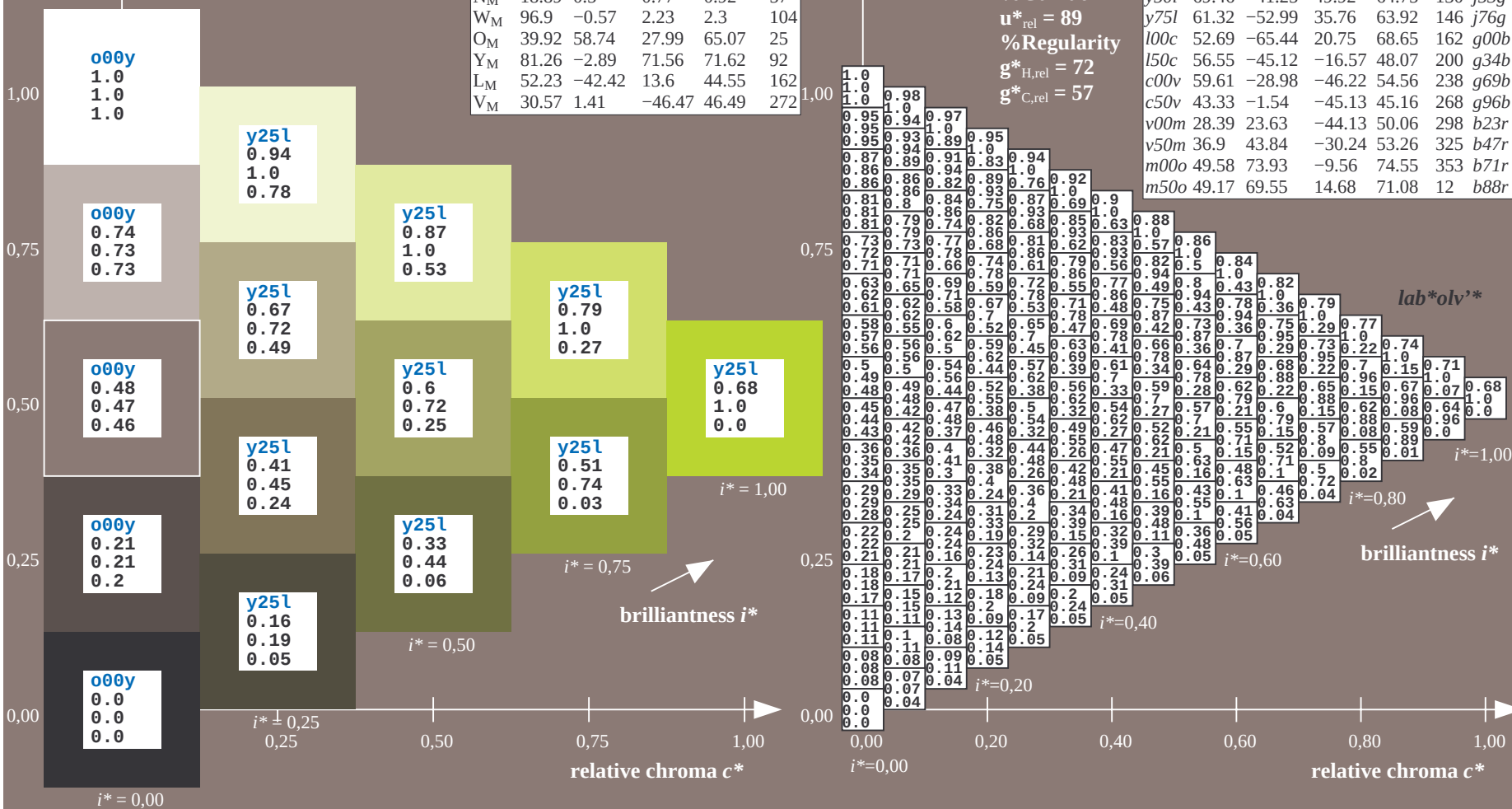
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y25l$
 $\text{lab}^*\text{olv}^*_{\text{Ma}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

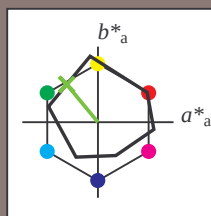
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 69 -41 50

$LAB^*LCH^*_{Ma}$: 69 65 129

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

$lab^*rgb^*_{Ma}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

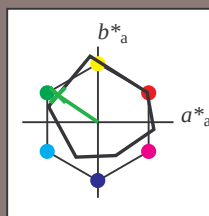
Hue texts:

$u^*_d = y75l$ $u^*_e = j76g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

	u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 61 -53 36

$LAB^*LCH^*_{Ma}$: 61 64 145

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

$lab^*rgb^*_{Ma}$: 0.23 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

$u^*_d = y75l$
 $lab^*olv^*_{**}$

$lab^*olv^*_{**}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

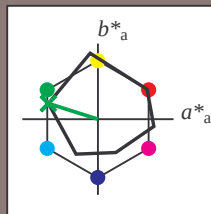
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = g00b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 53 -65 21

$LAB^*LCH^*_{Ma}$: 53 69 162

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

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

triangle lightness t^*

%Gamut

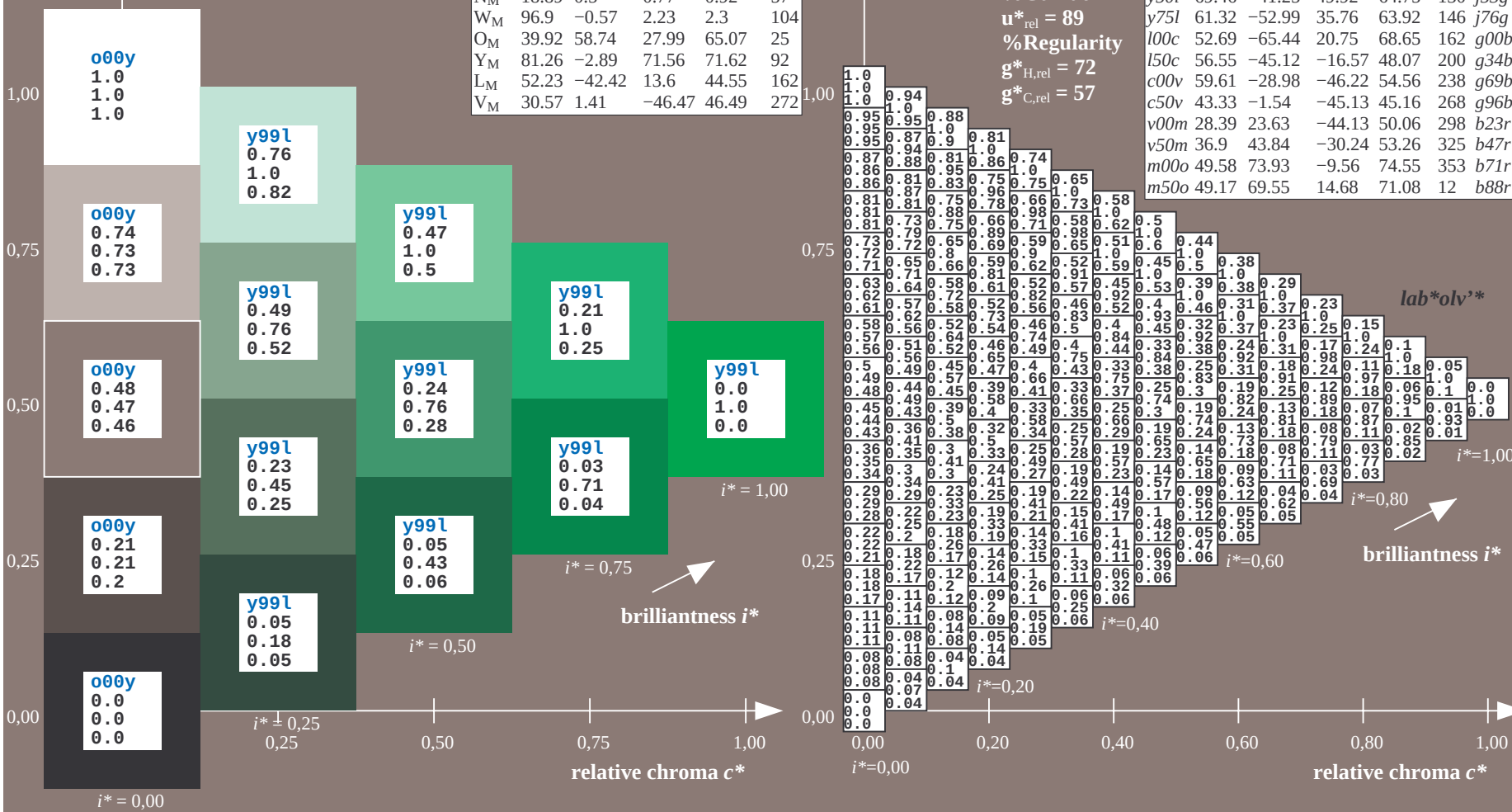
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$			
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$			
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$			
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$			
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$			
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$			
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$			
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$			
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$			
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$			
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$			
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$			
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$			
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$			
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$			
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$ data for any colour: Data for maximum colour (Ma):

$u^*_d = 150c$
 $lab^*olv'^*$

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

Hue texts:

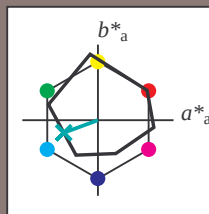
$$u^*_d = 150c \quad u^*_p = q34b$$

contrast reduction factor:

$$c_D = 1.0$$

R
triangle lightness t^*

triangle lightness L^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	17
Y_M	90.92	-10.78	89.36	90.01	97	16
L_M	52.69	-65.4	22.15	69.05	16	16
C_M	59.61	-29.04	-44.69	53.3	23	16
V_M	28.39	24.0	-43.18	49.4	29	16
M_M	49.58	74.01	-8.22	74.47	35	16
N_M	18.89	0.5	0.77	0.92	57	16
W_M	96.9	-0.57	2.23	2.3	10	16
O_M	39.92	58.74	27.99	65.07	25	16
Y_M	81.26	-2.89	71.56	71.62	92	16
L_M	52.23	-42.42	13.6	44.55	16	16
V_M	30.57	1.41	-46.47	46.49	27	16

Data for maximum colour (Ma):

LAB*LAB*₅ : 57 -45 -17

LAD*LGII* 55 49 200

LAB*LCH*Ma: 57 48 2

lab*olv*Ma: 0.0 1.0 0.5

*lab*rgb*_Ma*: 0.0 1.0 0.69

triangle lightness t^*

triangle rightness t

%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H_{rel}} = 72$$
$$g^*_{C_{rel}} = 52$$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>	
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>	
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>	
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>	
<i>y00l</i>	90.92	-10.29	87.24	87.85	97	<i>j06g</i>	
<i>y25l</i>	78.57	-28.11	65.75	71.51	113	<i>j29g</i>	
<i>y50l</i>	69.46	-41.25	49.92	64.75	130	<i>j53g</i>	
<i>y75l</i>	61.32	-52.99	35.76	63.92	146	<i>j76g</i>	
<i>l00c</i>	52.69	-65.44	20.75	68.65	162	<i>g00b</i>	
<i>l50c</i>	56.55	-45.12	-16.57	48.07	200	<i>g34b</i>	
<i>c00v</i>	59.61	-28.98	-46.22	54.56	238	<i>g69b</i>	
<i>c50v</i>	43.33	-1.54	-45.13	45.16	268	<i>g96b</i>	
<i>v00m</i>	28.39	23.63	-44.13	50.06	298	<i>b23r</i>	
<i>v50m</i>	36.9	43.84	-30.24	53.26	325	<i>b47r</i>	
<i>m00o</i>	49.58	73.93	-9.56	74.55	353	<i>b71r</i>	
<i>m50o</i>	49.17	69.55	14.68	71.08	12	<i>b88r</i>	

*lgb*olv'**

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

Gratification

[illegible]

0,80 1,00

relative chroma c^*

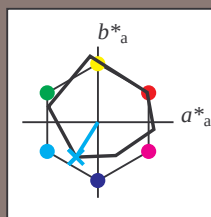
Active Chromatin

BAM-test chart Ee44; Colorimetric systems, Page 245/270
3 separations and 9 data tables for 16 hues *o00y* to *m75o*

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

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.661$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 60 -29 -46

$LAB^*LCH^*_{Ma}$: 60 55 237

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

$lab^*rgb^*_{Ma}$: 0.0 0.62 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	

lab^*olv^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

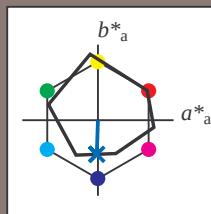
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 43 -2 -45

$LAB^*LCH^*_{Ma}$: 43 45 268

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

$lab^*rgb^*_{Ma}$: 0.0 0.07 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = c50v$
 $lab^*olv^*_{**}$

$lab^*olv^*_{**}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

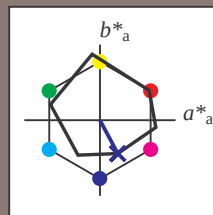
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.828$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 28 24 -44

$LAB^*LCH^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

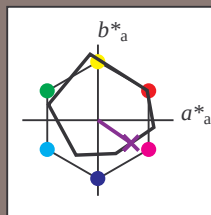
Hue texts:

$u^*_d = v50m$ $u^*_e = b47r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 37 44 -30

$LAB^*LCH^*_{Ma}$: 37 53 325

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

$lab^*rgb^*_{Ma}$: 0.94 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

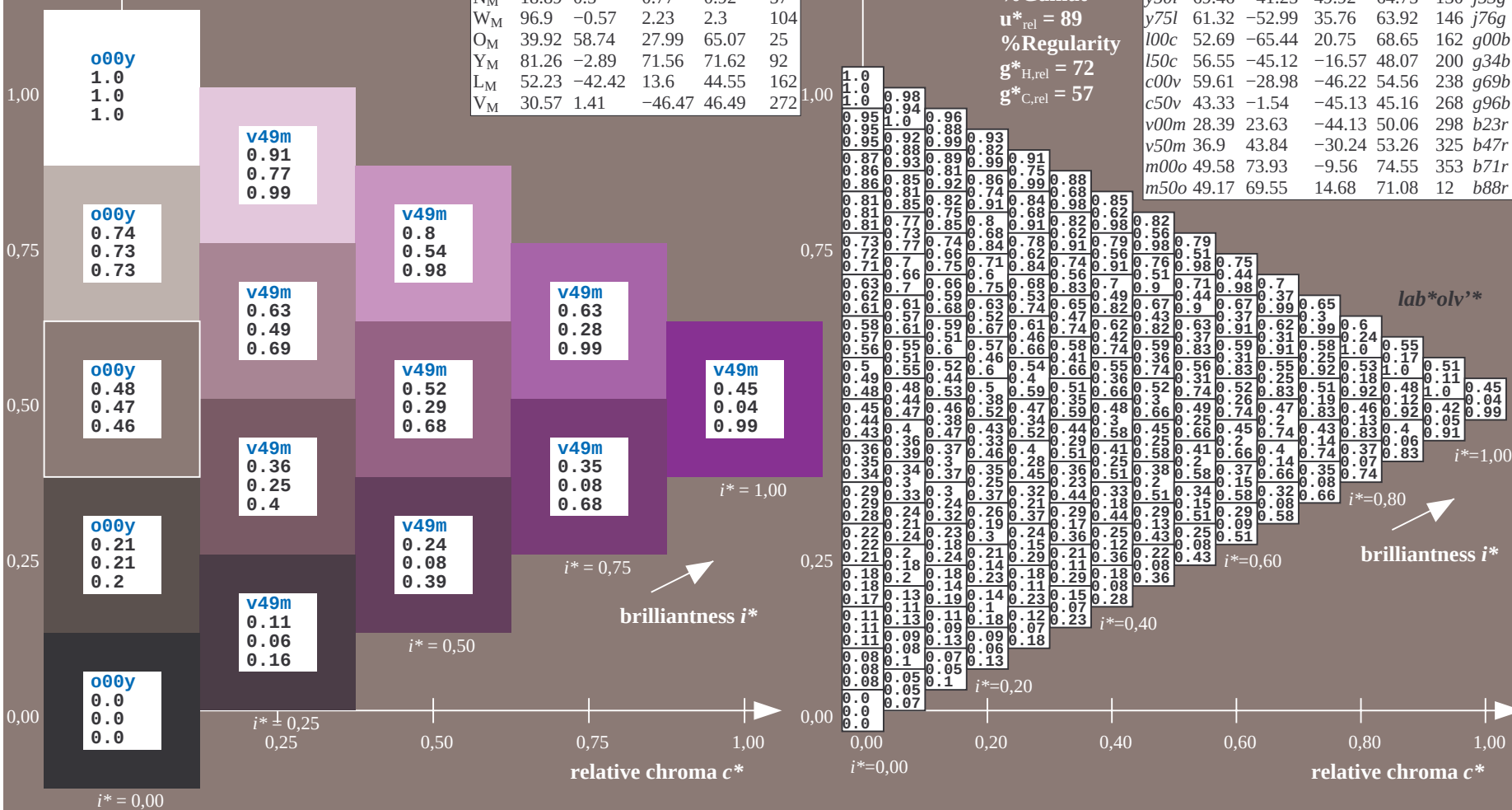
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

$u^*_d = v50m$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

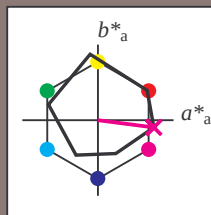
Hue texts:

$u^*_d = m00o$ $u^*_e = b71r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 50 74 -10

$LAB^*LCH^*_{Ma}$: 50 75 352

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

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

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

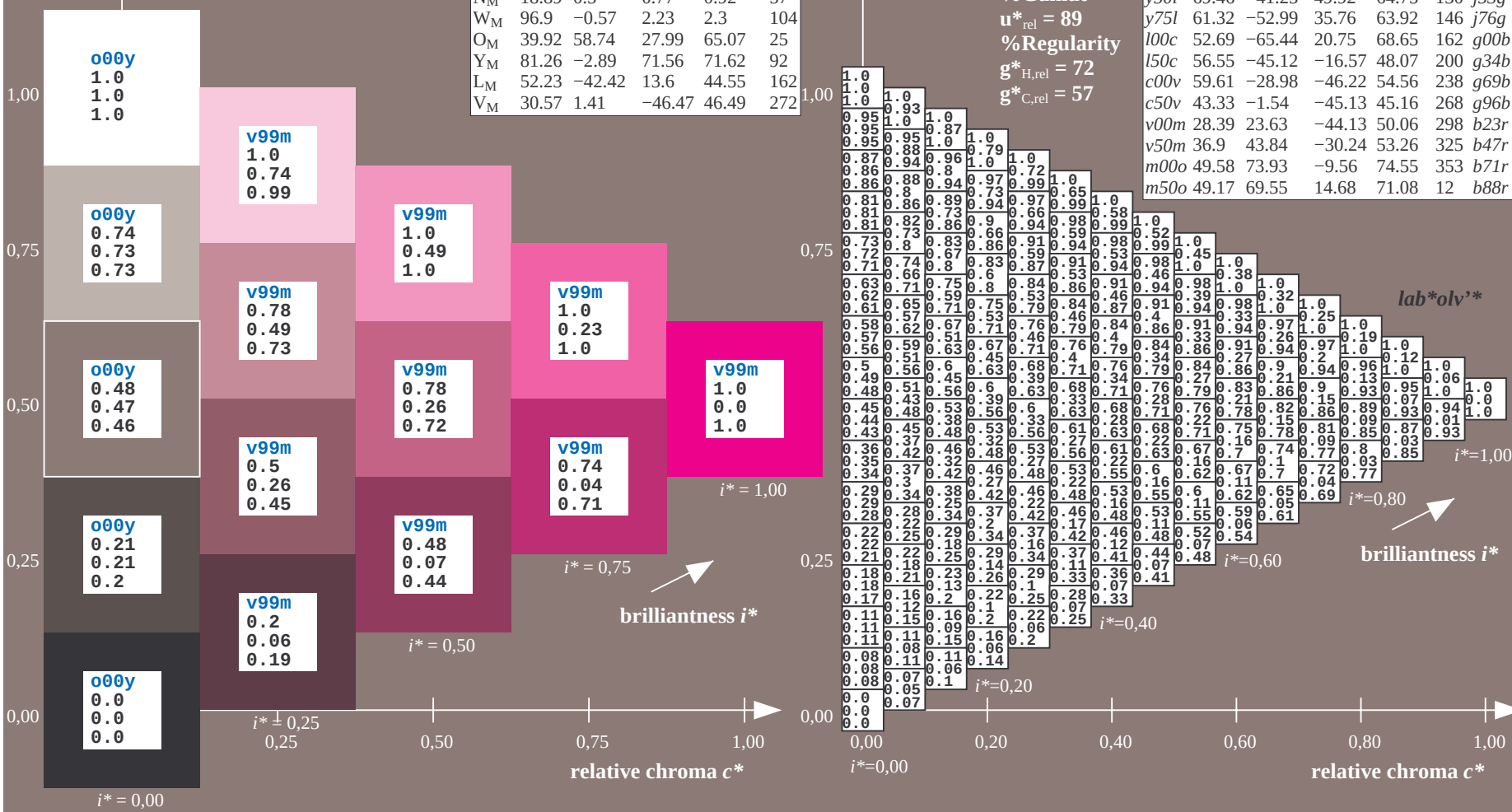
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = m00o$
 lab^*olv^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

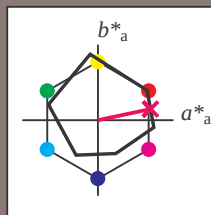
Hue texts:

$u^*_d = m50o$ $u^*_e = b88r$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_Ma$: 49 70 15

$LAB^*LCH^*_Ma$: 49 71 11

$lab^*olv^*_Ma$: 1.0 0.0 0.5

$lab^*rgb^*_Ma$: 1.0 0.0 0.24

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

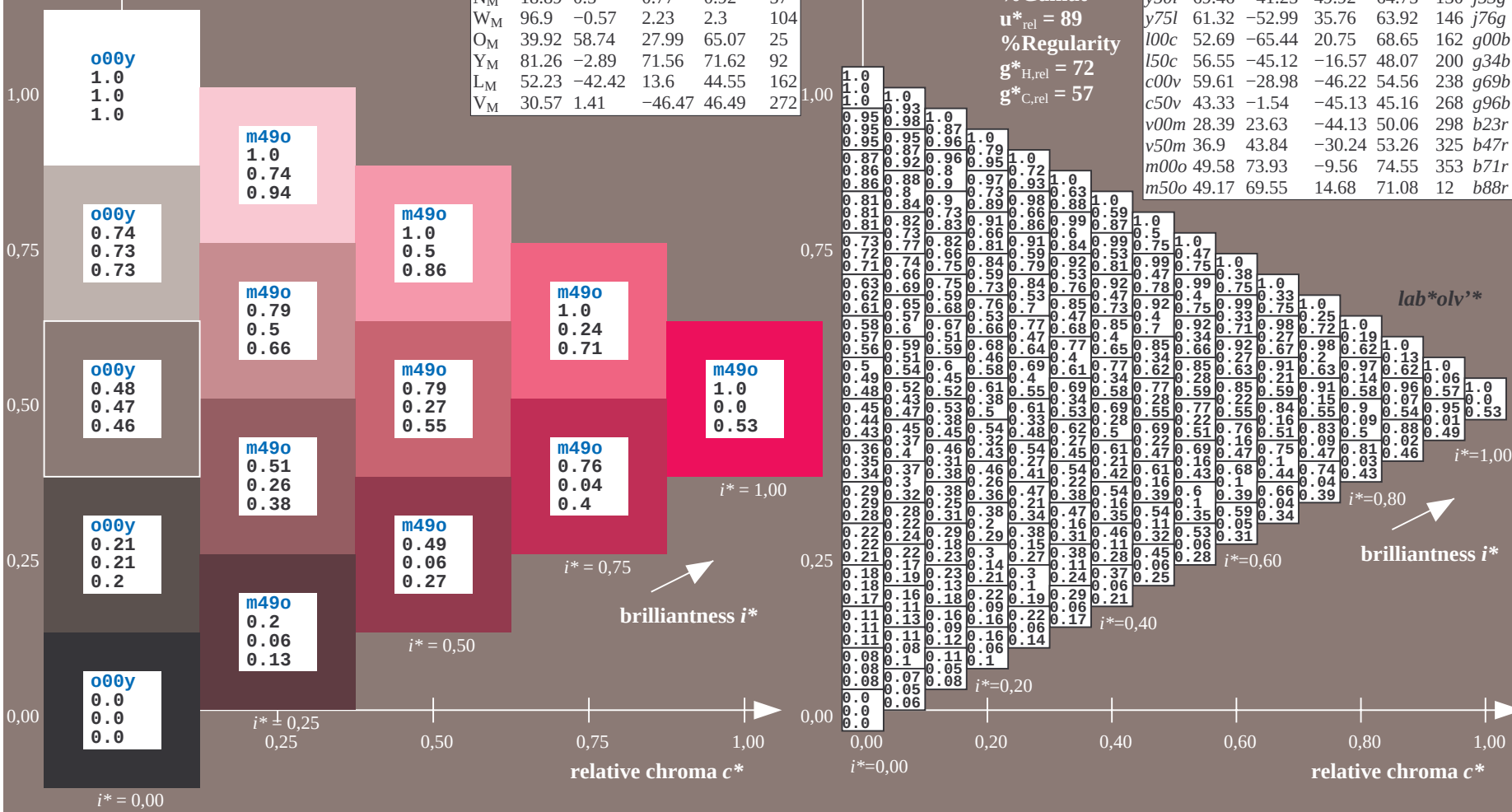
$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

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



See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpx=0

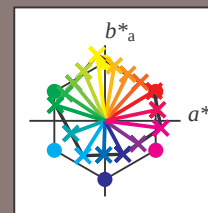
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*oly**			
01	0.0	0.04	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.0	0.11	0.11	0.13	0.14	0.13	0.12	0.1	0.21	0.22	0.22	0.2	0.22	0.22	0.22	0.22	0.22	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
02	0.05	0.05	0.06	0.07	0.07	0.06	0.05	0.04	0.02	0.1	0.11	0.12	0.14	0.14	0.13	0.12	0.11	0.09	0.2	0.21	0.22	0.21	0.23	0.23	0.23	0.21	0.9	0.88	0.91	0.93	0.94	0.94	0.93	0.91	0.89	0.11	0.11	0.11	0.11		
03	0.05	0.1	0.17	0.28	0.42	0.56	0.7	0.85	0.99	0.05	0.11	0.19	0.31	0.45	0.6	0.75	0.9	1.0	0.06	0.12	0.2	0.29	0.44	0.59	0.75	0.91	1.0	1.0	0.87	0.75	0.62	0.51	0.39	0.28	0.16	0.03	0.11	0.11	0.11	0.11	
04	0.09	0.1	0.17	0.15	0.18	0.2	0.21	0.23	0.23	0.1	0.1	0.1	0.14	0.16	0.17	0.17	0.17	0.17	0.13	0.14	0.12	0.13	0.15	0.16	0.15	0.13	1.0	0.86	0.81	0.72	0.62	0.51	0.38	0.23	0.03	0.1	0.1	0.1	0.1		
05	0.06	0.07	0.07	0.08	0.08	0.07	0.06	0.05	0.03	0.11	0.12	0.14	0.15	0.16	0.15	0.14	0.13	0.11	0.2	0.21	0.21	0.21	0.23	0.24	0.24	0.23	0.21	0.8	0.78	0.74	0.77	0.79	0.8	0.8	0.78	0.75	0.21	0.21	0.21	0.21	
06	0.06	0.1	0.18	0.27	0.41	0.55	0.69	0.84	0.98	0.06	0.12	0.2	0.29	0.43	0.57	0.72	0.88	1.0	0.06	0.13	0.21	0.3	0.45	0.6	0.76	0.92	1.0	0.99	0.87	0.73	0.62	0.5	0.39	0.28	0.16	0.04	0.21	0.21	0.21	0.21	
07	0.15	0.16	0.19	0.21	0.26	0.3	0.33	0.36	0.37	0.16	0.16	0.2	0.21	0.26	0.3	0.32	0.34	0.34	0.19	0.19	0.2	0.21	0.25	0.27	0.28	0.29	0.25	1.0	0.87	0.73	0.66	0.58	0.48	0.37	0.23	0.05	0.2	0.2	0.2	0.2	
08	0.08	0.09	0.08	0.08	0.08	0.07	0.06	0.05	0.03	0.14	0.16	0.16	0.16	0.16	0.16	0.15	0.15	0.13	0.21	0.22	0.23	0.24	0.25	0.26	0.26	0.25	0.23	0.66	0.65	0.63	0.6	0.63	0.65	0.65	0.64	0.62	0.34	0.34	0.34	0.34	
09	0.08	0.14	0.2	0.29	0.41	0.54	0.68	0.83	0.98	0.08	0.15	0.21	0.3	0.42	0.56	0.71	0.87	1.0	0.07	0.14	0.21	0.31	0.43	0.58	0.74	0.9	1.0	0.99	0.86	0.72	0.59	0.48	0.37	0.26	0.15	0.04	0.33	0.33	0.33	0.33	
10	0.25	0.25	0.26	0.3	0.33	0.38	0.42	0.46	0.5	0.25	0.26	0.3	0.33	0.39	0.43	0.46	0.49	0.26	0.26	0.26	0.3	0.34	0.39	0.43	0.45	0.48	1.0	0.86	0.72	0.58	0.44	0.34	0.21	0.06	0.32	0.32	0.32	0.32	0.32		
11	0.09	0.1	0.1	0.09	0.08	0.07	0.06	0.05	0.03	0.17	0.2	0.19	0.18	0.18	0.17	0.16	0.16	0.14	0.24	0.26	0.28	0.27	0.27	0.27	0.27	0.27	0.25	0.53	0.53	0.52	0.5	0.48	0.5	0.51	0.51	0.5	0.48	0.48	0.48	0.48	
12	0.09	0.17	0.24	0.31	0.42	0.54	0.68	0.83	0.97	0.09	0.18	0.25	0.32	0.43	0.55	0.7	0.86	1.0	0.08	0.17	0.26	0.33	0.44	0.57	0.72	0.88	1.0	1.0	0.86	0.72	0.58	0.47	0.36	0.26	0.16	0.06	0.47	0.47	0.47	0.47	
13	0.39	0.39	0.4	0.4	0.44	0.46	0.51	0.55	0.6	0.39	0.38	0.39	0.4	0.44	0.46	0.51	0.56	0.6	0.39	0.39	0.39	0.4	0.44	0.47	0.52	0.56	0.59	1.0	0.87	0.72	0.58	0.46	0.39	0.31	0.21	0.08	0.46	0.46	0.46	0.46	
14	0.08	0.09	0.1	0.09	0.08	0.07	0.06	0.05	0.03	0.17	0.21	0.2	0.19	0.18	0.17	0.16	0.16	0.14	0.25	0.3	0.33	0.31	0.3	0.28	0.28	0.28	0.26	0.41	0.42	0.42	0.4	0.38	0.34	0.35	0.36	0.35	0.6	0.6	0.6	0.6	
15	0.08	0.17	0.26	0.34	0.43	0.56	0.68	0.83	0.97	0.08	0.2	0.28	0.36	0.44	0.56	0.69	0.85	0.99	0.08	0.2	0.31	0.38	0.46	0.57	0.71	0.87	1.0	1.0	0.86	0.72	0.59	0.46	0.33	0.23	0.15	0.06	0.59	0.59	0.59	0.59	
16	0.54	0.54	0.54	0.55	0.55	0.58	0.6	0.65	0.7	0.53	0.52	0.53	0.54	0.54	0.58	0.6	0.67	0.71	0.53	0.53	0.52	0.53	0.54	0.58	0.61	0.66	0.71	1.0	0.87	0.73	0.59	0.45	0.32	0.25	0.18	0.09	0.58	0.58	0.58	0.58	
17	0.06	0.07	0.08	0.08	0.07	0.06	0.05	0.02	0.06	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.25	0.3	0.34	0.34	0.32	0.31	0.29	0.29	0.27	0.27	0.27	0.27	0.27	0.28	0.27	0.24	0.21	0.21	0.21	0.21	0.21		
18	0.05	0.16	0.25	0.34	0.44	0.56	0.69	0.84	1.0	0.02	0.17	0.27	0.37	0.48	0.59	0.71	0.85	1.0	0.02	0.17	0.32	0.43	0.53	0.62	0.73	0.86	1.0	1.0	0.85	0.7	0.56	0.42	0.29	0.18	0.1	0.0	1.0	1.0	1.0	1.0	
19	0.68	0.7	0.7	0.7	0.71	0.71	0.73	0.75	0.8	0.67	0.67	0.68	0.68	0.69	0.7	0.72	0.75	0.8	0.67	0.67	0.66	0.67	0.68	0.69	0.72	0.75	0.8	1.0	0.87	0.72	0.58	0.44	0.3	0.2	0.14	0.07	0.73	0.73	0.73	0.73	
20	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.03	0.02	0.15	0.2	0.2	0.2	0.19	0.18	0.17	0.16	0.14	0.25	0.3	0.35	0.35	0.34	0.32	0.31	0.29	0.27	0.14	0.16	0.17	0.17	0.18	0.16	0.14	0.11	0.11	0.88	0.88	0.88	0.88	
21	0.03	0.14	0.24	0.34	0.45	0.57	0.7	0.85	0.98	0.04	0.18	0.29	0.38	0.48	0.58	0.71	0.86	0.99	0.03	0.19	0.34	0.44	0.53	0.62	0.73	0.86	1.0	1.0	0.86	0.7	0.56	0.43	0.3	0.2	0.11	0.05	0.87	0.87	0.87	0.87	
22	0.85	0.87	0.88	0.88	0.88	0.87	0.87	0.87	0.9	0.84	0.83	0.85	0.85	0.85	0.86	0.86	0.87	0.9	0.83	0.83	0.82	0.83	0.84	0.85	0.85	0.85	0.87	1.0	0.87	0.72	0.58	0.44	0.3	0.2	0.1	0.06	0.86	0.86	0.86	0.86	
23	0.0	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.0	0.13	0.18	0.18	0.19	0.18	0.18	0.17	0.16	0.14	0.25	0.3	0.33	0.33	0.33	0.32	0.31	0.29	0.27	0.0	0.03	0.05	0.07	0.08	0.07	0.05	0.0	1.0	1.0	1.0	1.0		
24	0.0	0.12	0.23	0.33	0.44	0.56	0.69	0.84	1.0	0.02	0.17	0.27	0.37	0.48	0.59	0.71	0.85	1.0	0.02	0.17	0.32	0.43	0.53	0.62	0.73	0.86	1.0	1.0	0.85	0.7	0.56	0.42	0.29	0.18	0.1	0.0	1.0	1.0	1.0	1.0	
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.99	0.99	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.87	0.73	0.58	0.44	0.3	0.19	0.1	0.0	1.0	1.0	1.0	1.0
26	0.35	0.36	0.36	0.36	0.33	0.34	0.34	0.34	0.32	0.5	0.51	0.51	0.51	0.49	0.46	0.45	0.45	0.43	0.62	0.63	0.64	0.64	0.63	0.62	0.58	0.57	0.54	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
27	0.06	0.14	0.22	0.32	0.44	0.59	0.75	0.91	1.0	0.06	0.15	0.24	0.33	0.43	0.58	0.74	0.91	1.0	0.04	0.15	0.24	0.34	0.45	0.58	0.72	0.9	1.0	1.0	0.99	0.99	0.99	0.99	0.99	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
28	0.09	0.07	0.06	0.05	0.06	0.04	0.03	0.0	0.0	0.08	0.07	0.06	0.05	0.05	0.05	0.03	0.01	0.0	0.06	0.05	0.05	0.04	0.04	0.03	0.03	0.01	0.0	1.0	0.88	0.75	0.62	0.5	0.38	0.25	0.13	0.0	0.0	0.0	0.0	0.0	
29	0.35	0.36	0.36	0.36	0.34	0.36	0.36	0.36	0.34	0.5	0.51	0.51	0.51	0.5	0.47	0.47	0.46	0.45	0.62	0.64	0.65	0.65	0.64	0.63	0.62	0.59	0.58	0.56	0.92	0.88	0.9	0.91	0.91	0.91	0.9	0.89	0.08	0.08	0.08	0.08	
30	0.06	0.15	0.22	0.32	0.44	0.6	0.76	0.92	1.0	0.06	0.16	0.25	0.34	0.45	0.58	0.74	0.91	1.0	0.05	0.15	0.26	0.35	0.45	0.58	0.72	0.9	1.0	0.9	0.87	0.73	0.58	0.47	0.37	0.26	0.16	0.06	0.08	0.08	0.08	0.08	
31	0.16	0.18	0.16	0.14	0.15	0.16	0.16	0.15	0.13	0.18	0.21	0.18	0.16	0.14	0.15	0.15	0.15	0.13	0.17	0.21	0.19	0.17	0.16	0.14	0.14	0.14	1.0	0.99	0.86	0.76	0.63	0.51	0.38	0.26	0.14	0.01	0.08	0.08	0.08	0.08	
32	0.34	0.35	0.35	0.35	0.34	0.37	0.38	0.38	0.36	0.49	0.51	0.51	0.51	0.5	0.47	0.48	0.48	0.47	0.62	0.64	0.65	0.65	0.64	0.63	0.6	0.59	0.58	0.53	0.8	0.74	0.76	0.77	0.78	0.78	0.77	0.76	0.11	0.11	0.11	0.11	
33	0.06	0.14	0.23	0.32	0.44	0.61	0.76	0.93	1.0	0.06	0.16	0.26	0.35	0.45	0.58	0.75	0.91	1.0	0.05	0.15	0.26	0.36	0.46	0.58	0.72	0.9	1.0	0.9	0.79	0.77	0.73	0.73	0.73								

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$



%Gamut

$u^*_{rel} = 89$

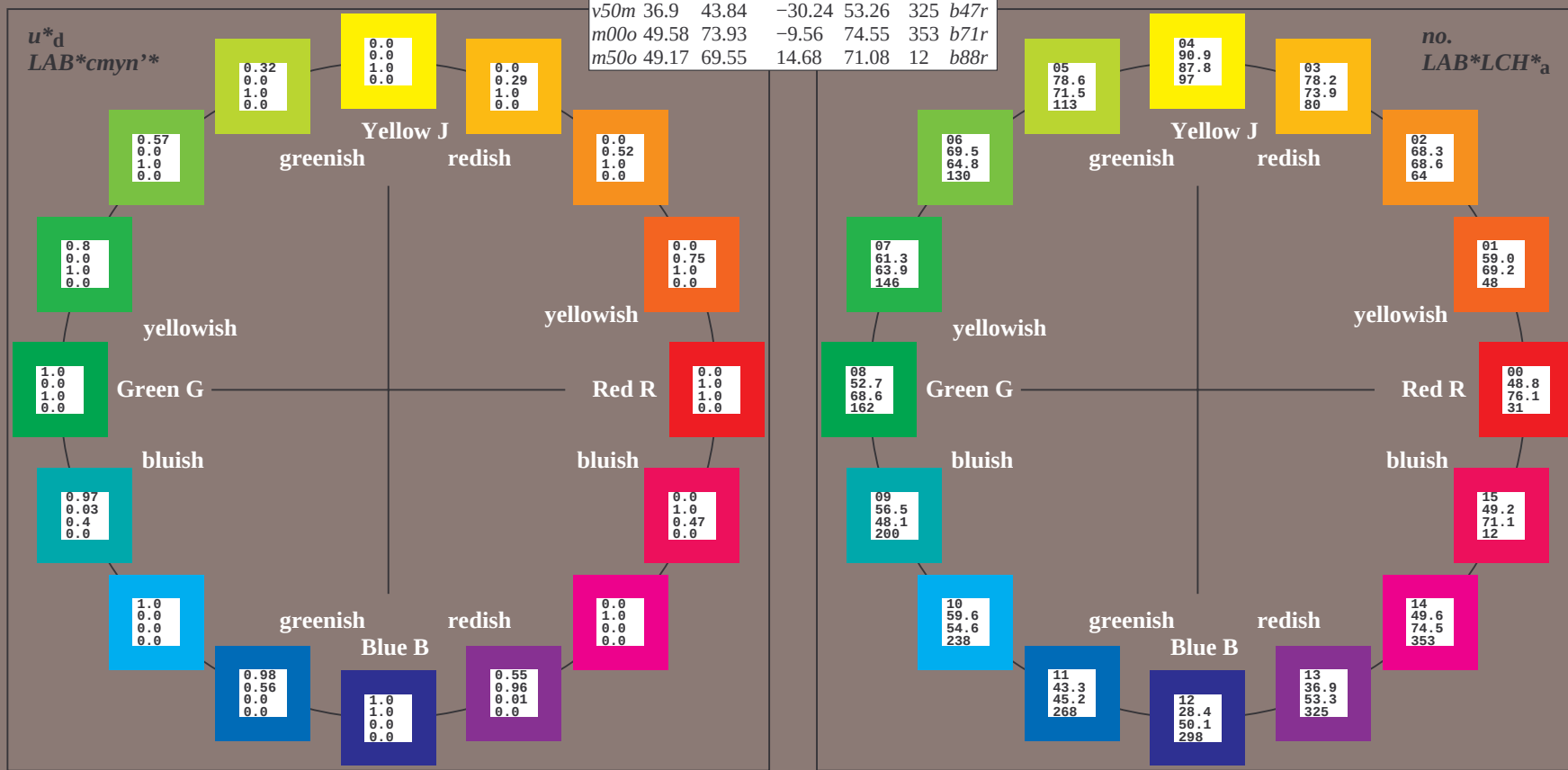
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_{CIE}	39.92	58.74	27.99	65.07	25
Y_{CIE}	81.26	-2.89	71.56	71.62	92
L_{CIE}	52.23	-42.42	13.6	44.55	162
V_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.087$
data for any colour:
 lab^*tch^* and lab^*icu^*

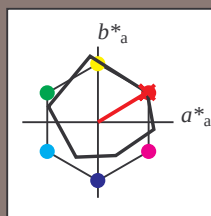
Hue texts:

$u^*_d = o00y$ $u^*_e = r08j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}: 49\ 65\ 39$

$\text{LAB}^*\text{LCH}^*_{Ma}: 49\ 76\ 31$

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

$\text{lab}^*\text{rgb}^*_{Ma}: 1.0\ 0.09\ 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

$\text{LAB}^*\text{cmy}^*_{n''}$

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

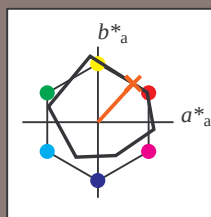
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.132$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = o25y$ $u^*_e = r33j$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O_M	48.75	65.16	40.76	76.86	32	
Y_M	90.92	-10.78	89.36	90.01	97	
L_M	52.69	-65.4	22.15	69.05	161	
C_M	59.61	-29.04	-44.69	53.3	237	
V_M	28.39	24.0	-43.18	49.4	299	
M_M	49.58	74.01	-8.22	74.47	354	
N_M	18.89	0.5	0.77	0.92	57	
W_M	96.9	-0.57	2.23	2.3	104	
O_M	39.92	58.74	27.99	65.07	25	
Y_M	81.26	-2.89	71.56	71.62	92	
L_M	52.23	-42.42	13.6	44.55	162	
V_M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 59 47 51

$LAB^*LCH^*_{Ma}$: 59 69 47

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$	
$o25y$	59.04	46.67	51.1	69.21	64	$r33j$	
$o50y$	68.32	30.09	61.62	68.58	48	$r57j$	
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$	
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$	
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$	
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$	
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$	
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$	
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$	
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$	
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$	
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$	
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$	
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$	
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

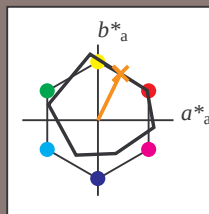
Hue texts:

$u^*_d = o50y$ $u^*_e = r57j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 68 30 62

$LAB^*LCH^*_{Ma}$: 68 69 63

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

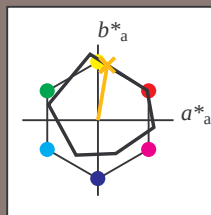
Hue texts:

$u^*_d = o75y$ $u^*_e = r81j$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
O_M	39.92	58.74	27.99	65.07	25
Y_M	81.26	-2.89	71.56	71.62	92
L_M	52.23	-42.42	13.6	44.55	162
V_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 78 12 73

$\text{LAB}^*\text{LCH}^*_{Ma}$: 78 74 80

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	69.46	-41.25	49.92	64.75	130	$j53g$
$y75l$	61.32	-52.99	35.76	63.92	146	$j76g$
$l00c$	52.69	-65.44	20.75	68.65	162	$g00b$
$l50c$	56.55	-45.12	-16.57	48.07	200	$g34b$
$c00v$	59.61	-28.98	-46.22	54.56	238	$g69b$
$c50v$	43.33	-1.54	-45.13	45.16	268	$g96b$
$v00m$	28.39	23.63	-44.13	50.06	298	$b23r$
$v50m$	36.9	43.84	-30.24	53.26	325	$b47r$
$m00o$	49.58	73.93	-9.56	74.55	353	$b71r$
$m50o$	49.17	69.55	14.68	71.08	12	$b88r$

$\text{LAB}^*\text{cmy}^*_{n'}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

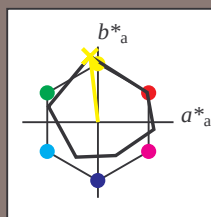
Hue texts:

$u^*_d = y00l$ $u^*_e = j06g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 91 -10 87

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 91 88 96

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.94 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

$u^*_d = y00l$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

See for similar files: <http://www.ps.bam.de/Ee44/>; www.ps.bam.de/Ee44/10L/L44E00FP.PS/.PDF
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, CIELAB, ColSpX=0

BAM registration: 20081001-Ee44/10L/L44E00FP.PS/.PDF BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

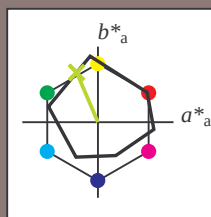
Hue texts:

$u^*_d = y25l$ $u^*_e = j29g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 79 -28 66

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 79 72 113

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.7 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

$u^*_d = y25l$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

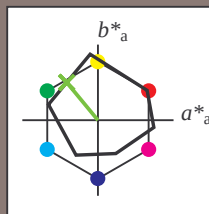
Hue texts:

$u^*_d = y50l$ $u^*_e = j53g$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 69 -41 50

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 69 65 129

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.47 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r

$u^*_d = y50l$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

$\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

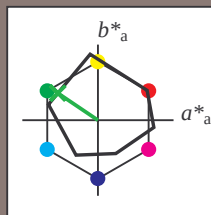
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = y75l$ $u^*_e = j76g$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 61 -53 36

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 61 64 145

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.23 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

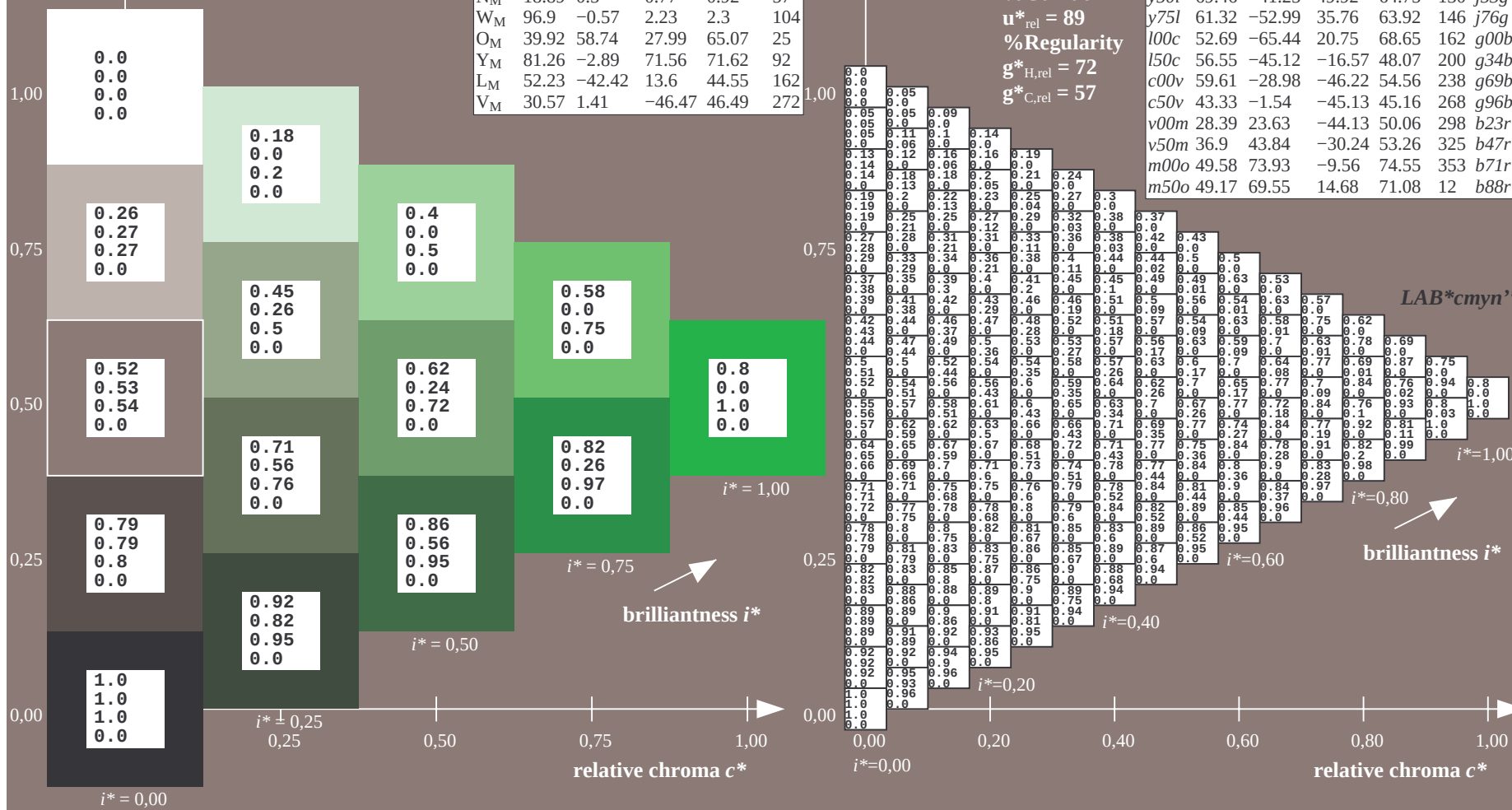
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

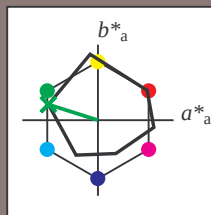
$u^*_d = y75l$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = 100c$ $u^*_e = g00b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 53 -65 21$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 53 69 162$

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

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

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

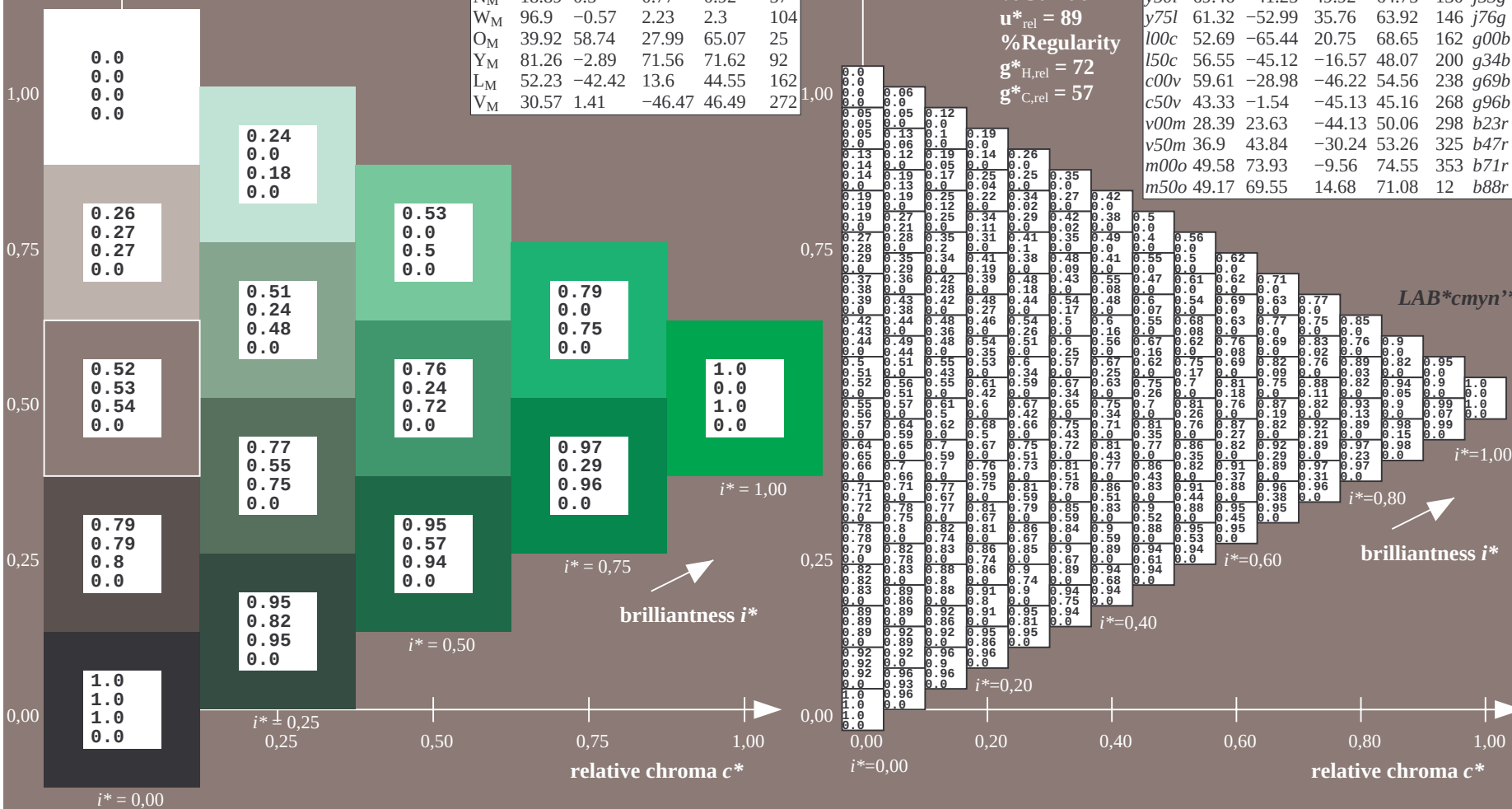
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

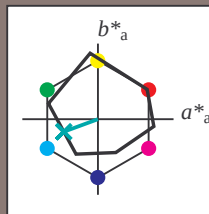
$u^*_d = 100c$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.556$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = l50c$ $u^*_e = g34b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 57 -45 -17

$LAB^*LCH^*_{Ma}$: 57 48 200

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

$lab^*rgb^*_{Ma}$: 0.0 1.0 0.69

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

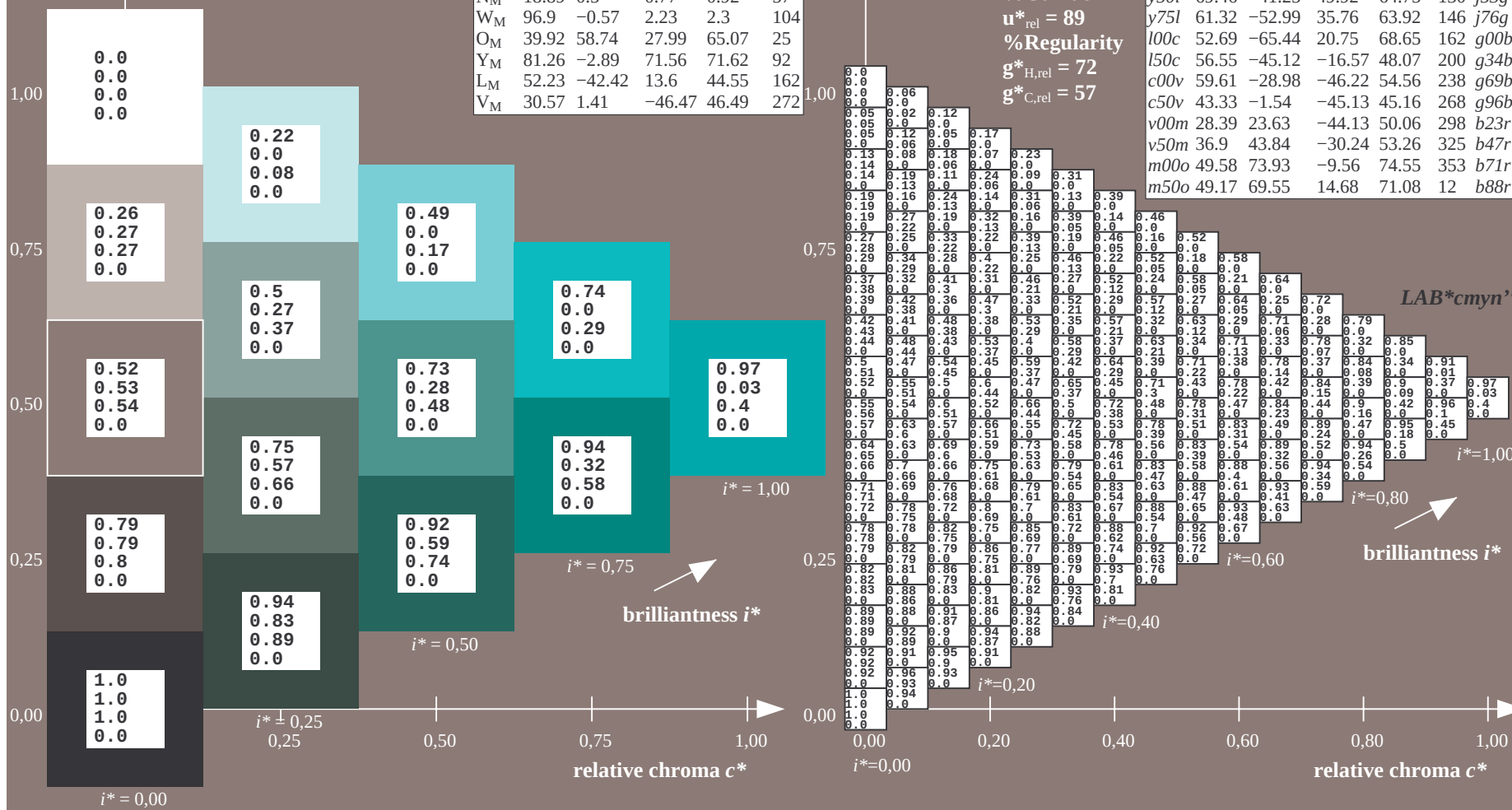
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

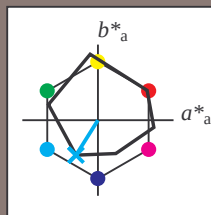
$u^*_d = l50c$
 $LAB^*cmy^n^*$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = c00v$ $u^*_e = g69b$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u^*_d	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 60 -29 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 60 55 237

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.62 1.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

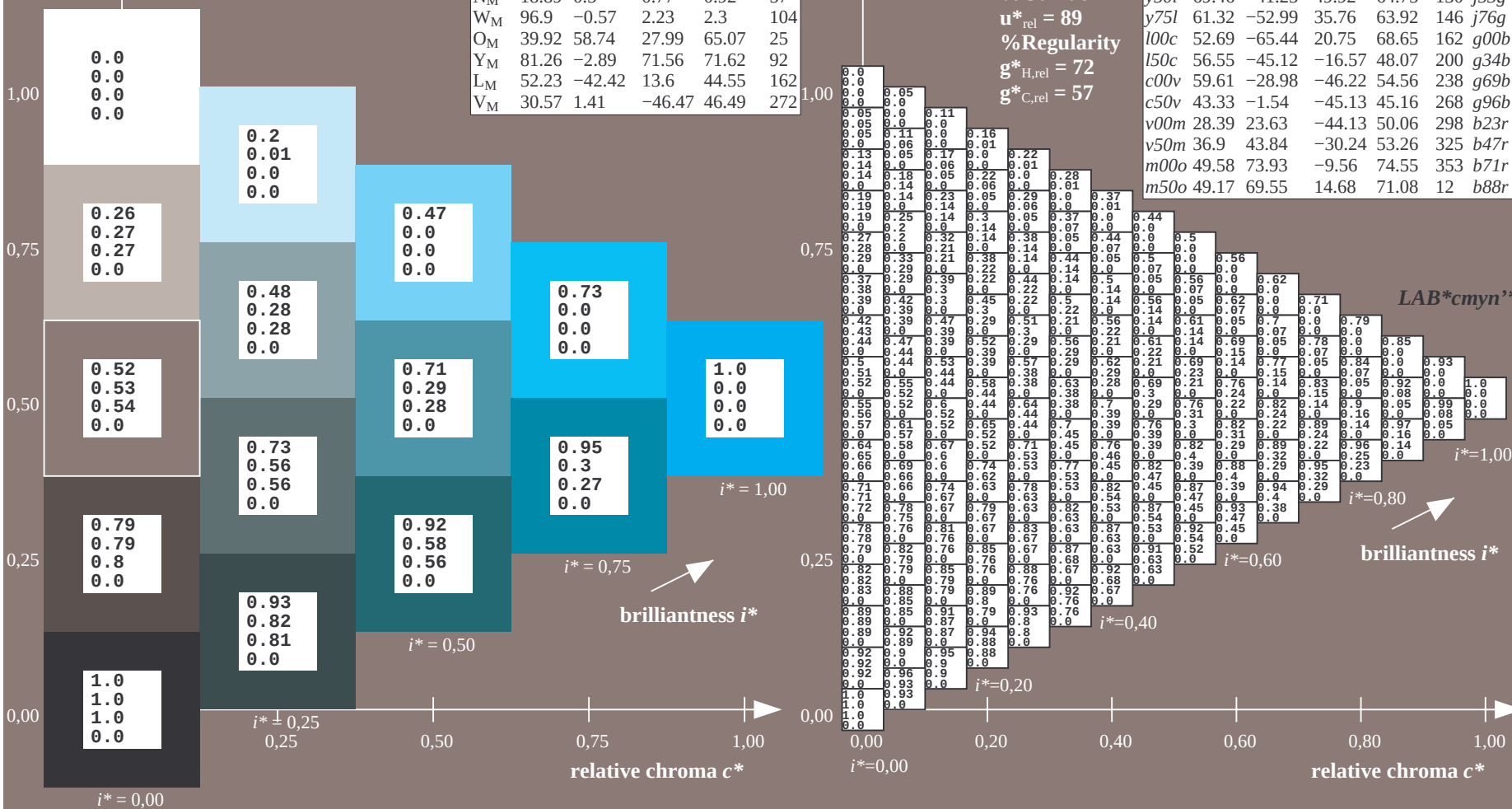
% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

$u^*_d = c00v$
 $\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

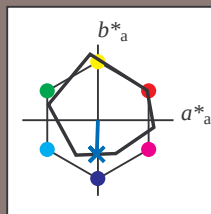
Hue texts:

$u^*_d = c50v$ $u^*_e = g96b$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 43 -2 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 43 45 268

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.07 1.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

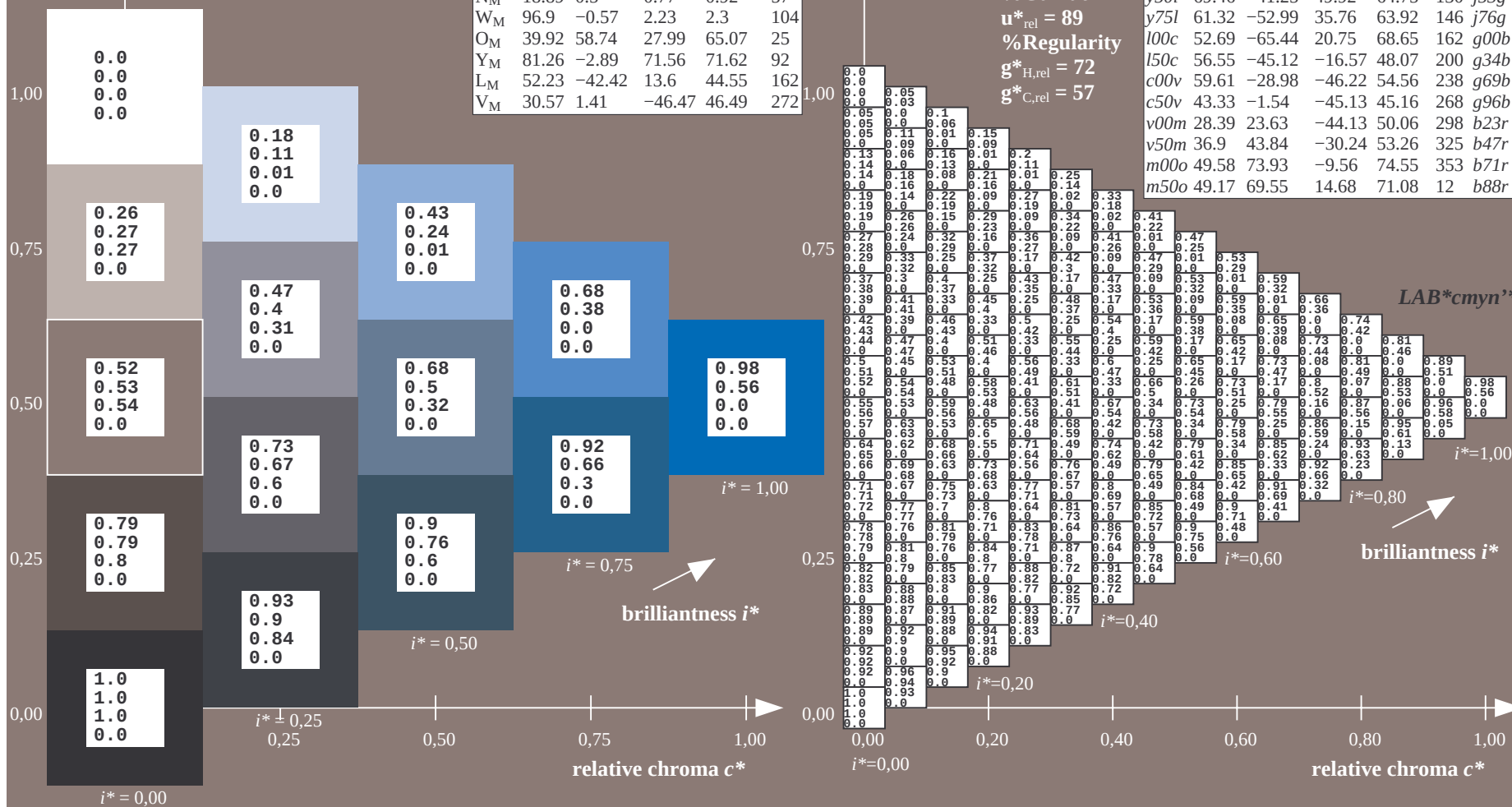
$g^*_{C,\text{rel}} = 57$

$u^*_d = c50v$

$\text{LAB}^*\text{cmy}^*_{\text{Ma}}$

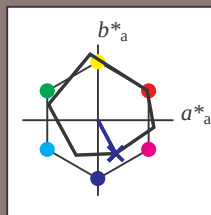
ORS19_96a; adapted (a) CIELAB data

u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
l00c	52.69	-65.44	20.75	68.65	162	g00b
l50c	56.55	-45.12	-16.57	48.07	200	g34b
c00v	59.61	-28.98	-46.22	54.56	238	g69b
c50v	43.33	-1.54	-45.13	45.16	268	g96b
v00m	28.39	23.63	-44.13	50.06	298	b23r
v50m	36.9	43.84	-30.24	53.26	325	b47r
m00o	49.58	73.93	-9.56	74.55	353	b71r
m50o	49.17	69.55	14.68	71.08	12	b88r



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = v00m$ $u^*_e = b23r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 28 24 -44

$\text{LAB}^*\text{LCH}^*_{Ma}$: 28 50 298

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

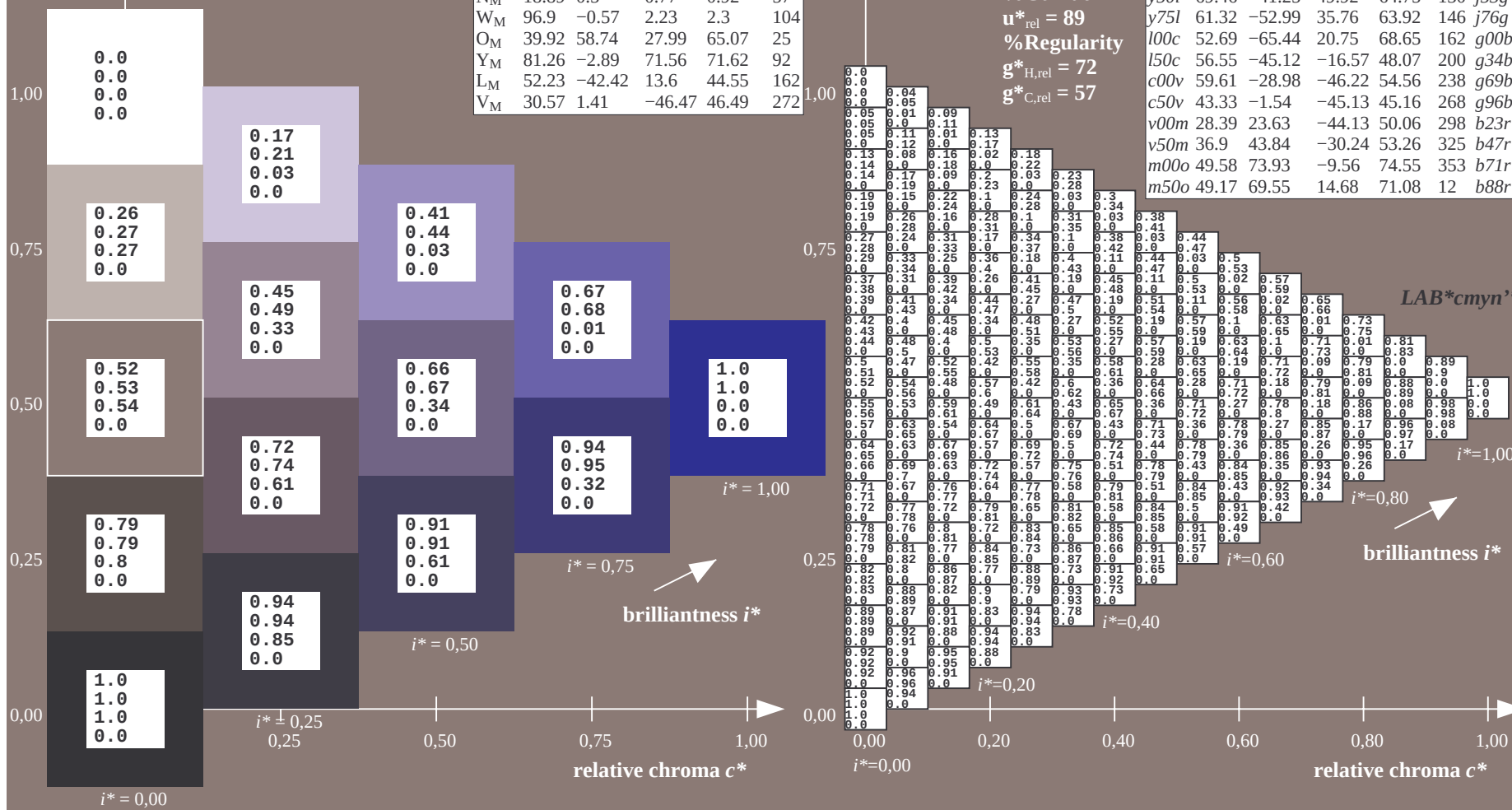
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

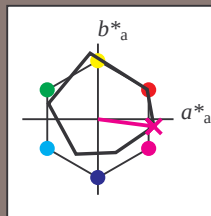
$u^*_d = v00m$
 $\text{LAB}^*\text{cmy}^*_{n'}$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = m00o$ $u^*_e = b71r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}
O _M	48.75	65.16	40.76	76.86	32
Y _M	90.92	-10.78	89.36	90.01	97
L _M	52.69	-65.4	22.15	69.05	161
C _M	59.61	-29.04	-44.69	53.3	237
V _M	28.39	24.0	-43.18	49.4	299
M _M	49.58	74.01	-8.22	74.47	354
N _M	18.89	0.5	0.77	0.92	57
W _M	96.9	-0.57	2.23	2.3	104
O _M	39.92	58.74	27.99	65.07	25
Y _M	81.26	-2.89	71.56	71.62	92
L _M	52.23	-42.42	13.6	44.55	162
V _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}: 50\ 74\ -10$
 $\text{LAB}^*\text{LCH}^*_{Ma}: 50\ 75\ 352$
 $\text{lab}^*\text{olv}^*_{Ma}: 1.0\ 0.0\ 1.0$
 $\text{lab}^*\text{rgb}^*_{Ma}: 1.0\ 0.0\ 0.58$
triangle lightness t^*

%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	

$\text{LAB}^*\text{cmy}^*_{n''}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

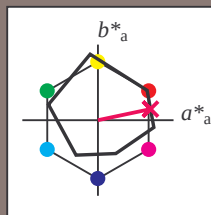
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_d = m50o$ $u^*_e = b88r$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	$L^*=L^*_a$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	
Y _M	90.92	-10.78	89.36	90.01	97	
L _M	52.69	-65.4	22.15	69.05	161	
C _M	59.61	-29.04	-44.69	53.3	237	
V _M	28.39	24.0	-43.18	49.4	299	
M _M	49.58	74.01	-8.22	74.47	354	
N _M	18.89	0.5	0.77	0.92	57	
W _M	96.9	-0.57	2.23	2.3	104	
O _M	39.92	58.74	27.99	65.07	25	
Y _M	81.26	-2.89	71.56	71.62	92	
L _M	52.23	-42.42	13.6	44.55	162	
V _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 49 \ 70 \ 15$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 49 \ 71 \ 11$

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

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 1.0 \ 0.0 \ 0.24$

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

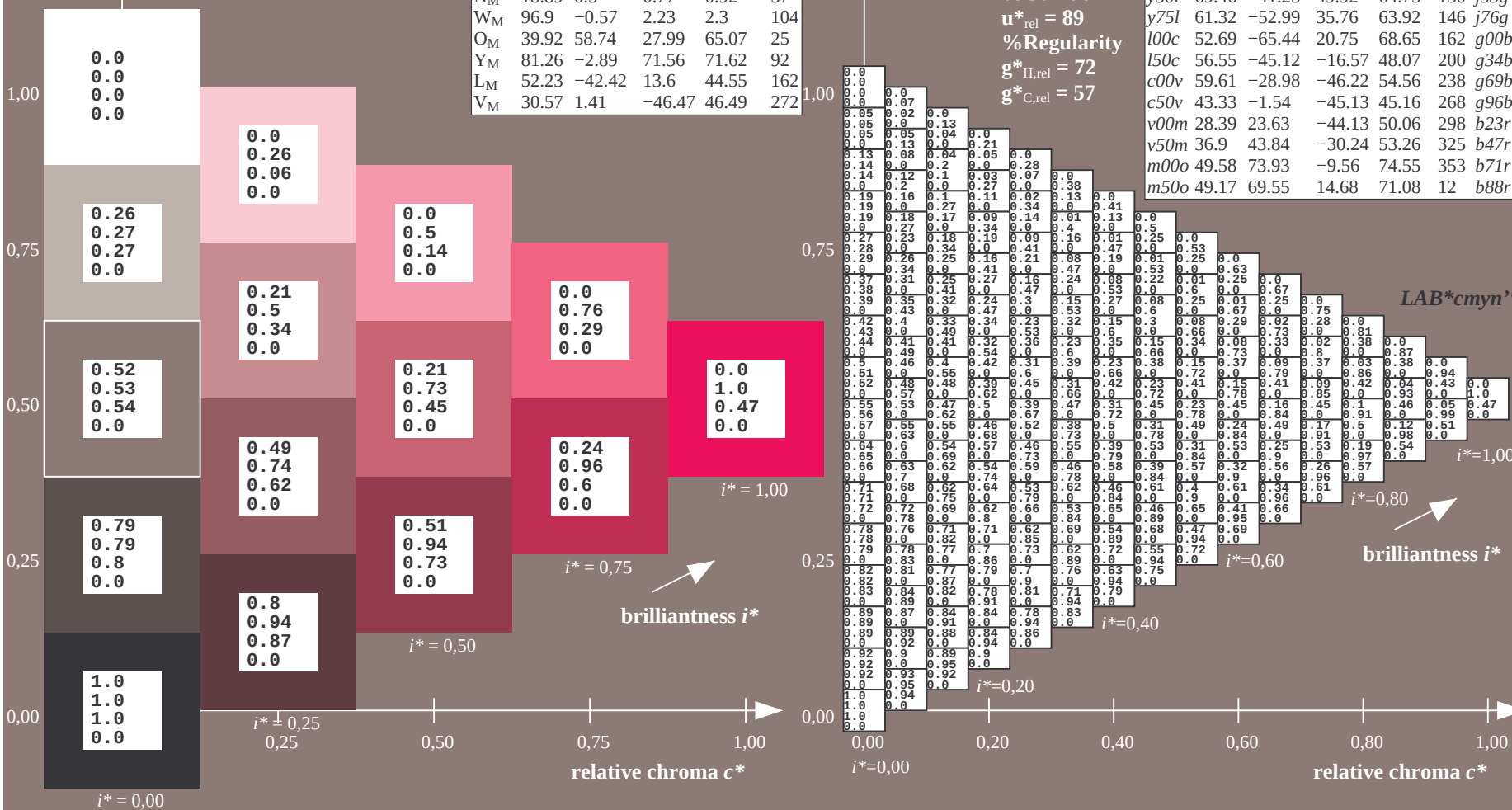
%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

$u^*_d = m50o$
 $\text{LAB}^*\text{cmy}^*_{n^*}$

ORS19_96a; adapted (a) CIELAB data							
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e	
o00y	48.75	65.07	39.43	76.08	31	r08j	
o25y	59.04	46.67	51.1	69.21	48	r33j	
o50y	68.32	30.09	61.62	68.58	64	r57j	
o75y	78.23	12.39	72.85	73.9	80	r81j	
y00l	90.92	-10.29	87.24	87.85	97	j06g	
y25l	78.57	-28.11	65.75	71.51	113	j29g	
y50l	69.46	-41.25	49.92	64.75	130	j53g	
y75l	61.32	-52.99	35.76	63.92	146	j76g	
l00c	52.69	-65.44	20.75	68.65	162	g00b	
l50c	56.55	-45.12	-16.57	48.07	200	g34b	
c00v	59.61	-28.98	-46.22	54.56	238	g69b	
c50v	43.33	-1.54	-45.13	45.16	268	g96b	
v00m	28.39	23.63	-44.13	50.06	298	b23r	
v50m	36.9	43.84	-30.24	53.26	325	b47r	
m00o	49.58	73.93	-9.56	74.55	353	b71r	
m50o	49.17	69.55	14.68	71.08	12	b88r	



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