

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

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

device hue text:

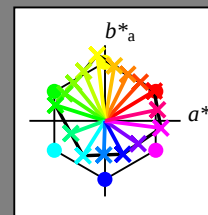
$u^*_d = 16$ hues $o00y, o25y, \dots, m50o$

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

$u^*_{rel} = 89$

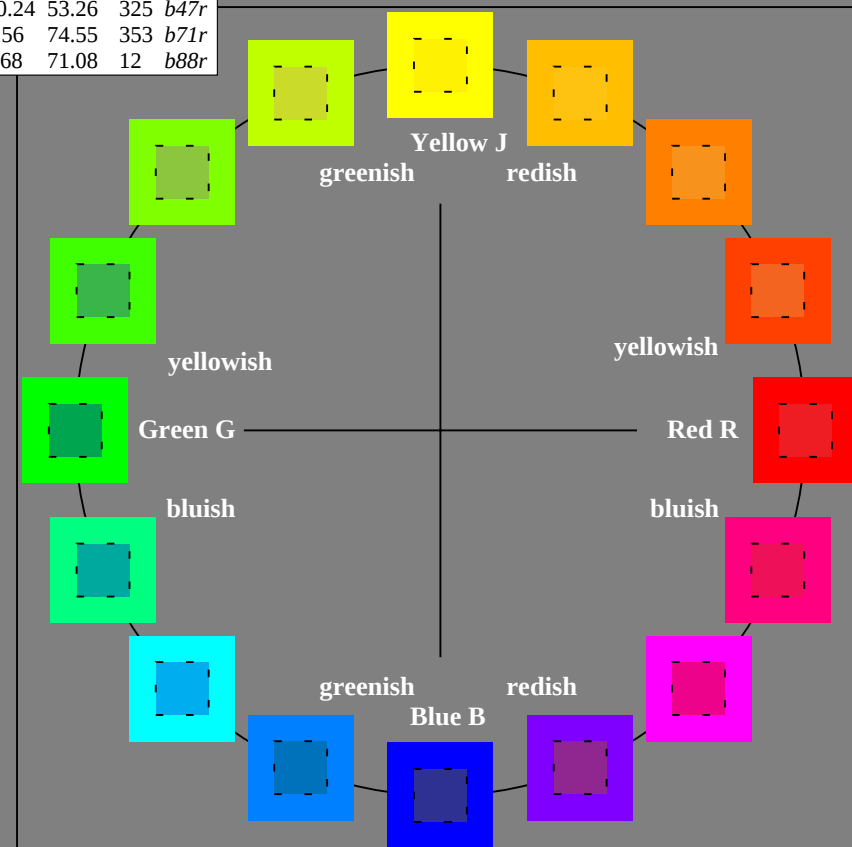
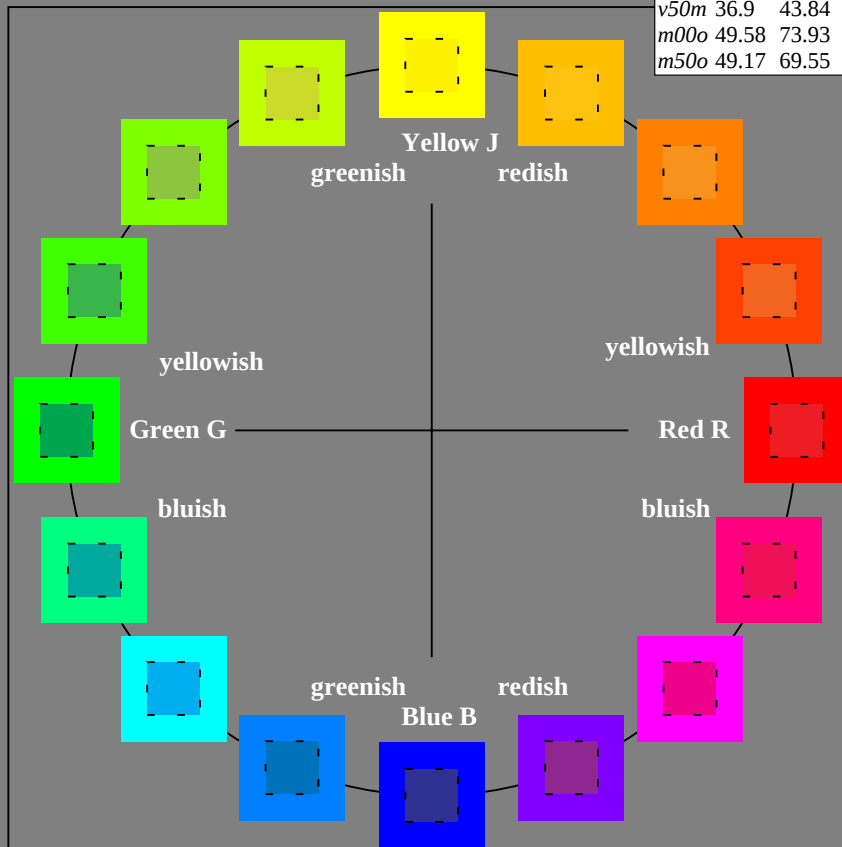
%Regularity

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

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

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 $h^* = lab^*h^* = h_{ab}/360 = 0.087$
data for any colour:

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

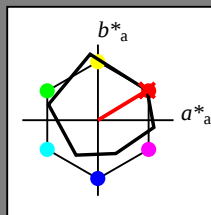
Hue texts:

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

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

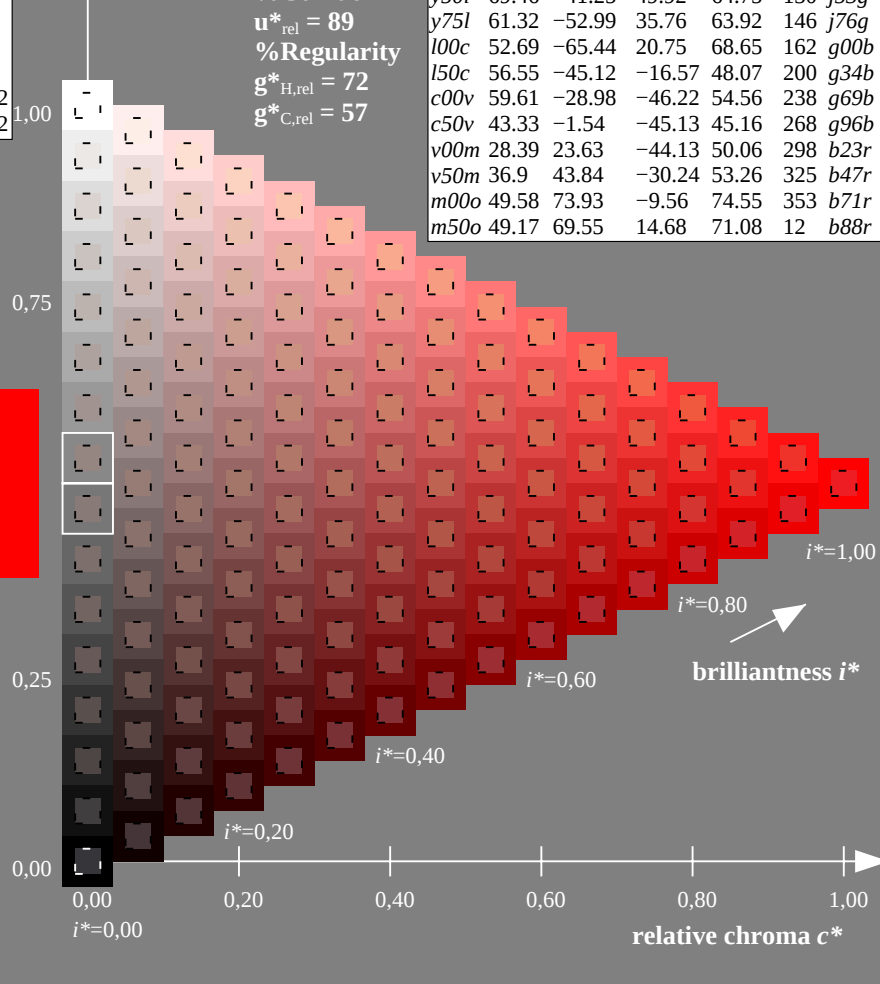
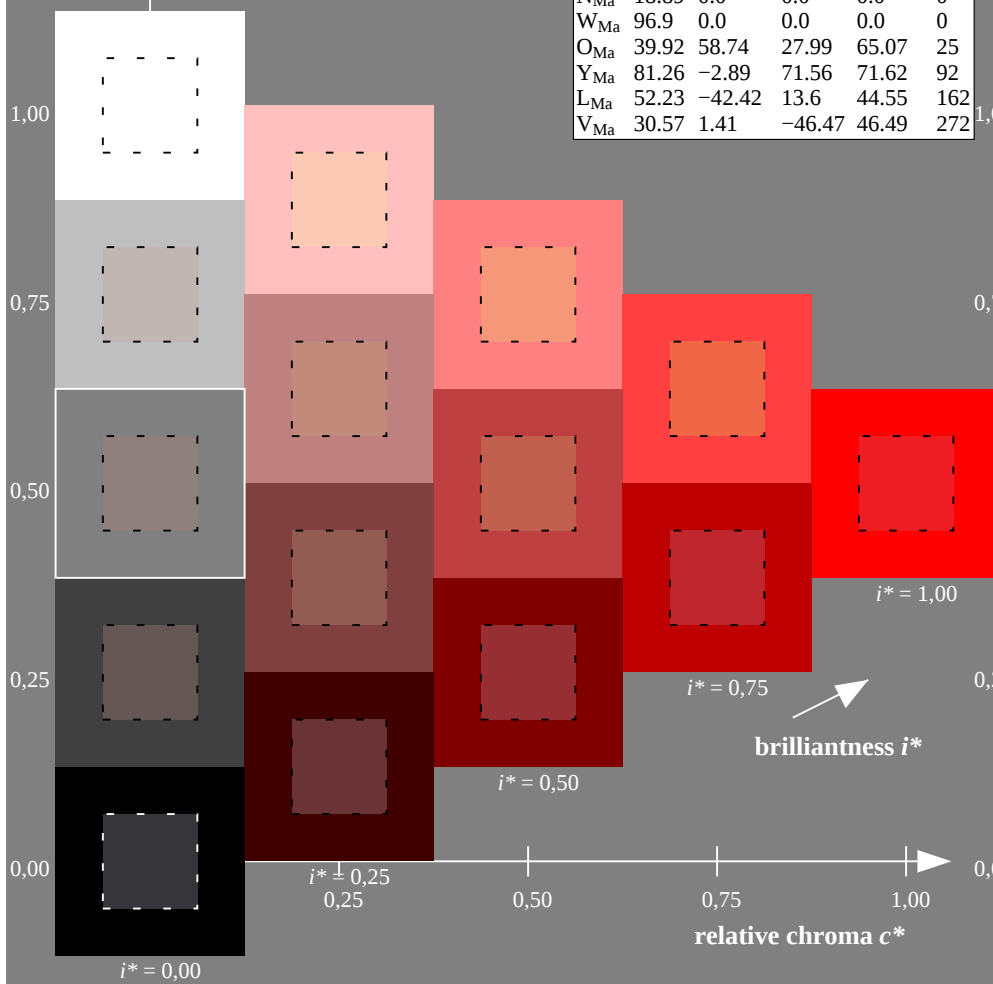
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

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

$u^*_d = o00y$



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^*

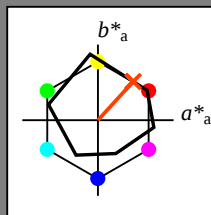
Hue texts:

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

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

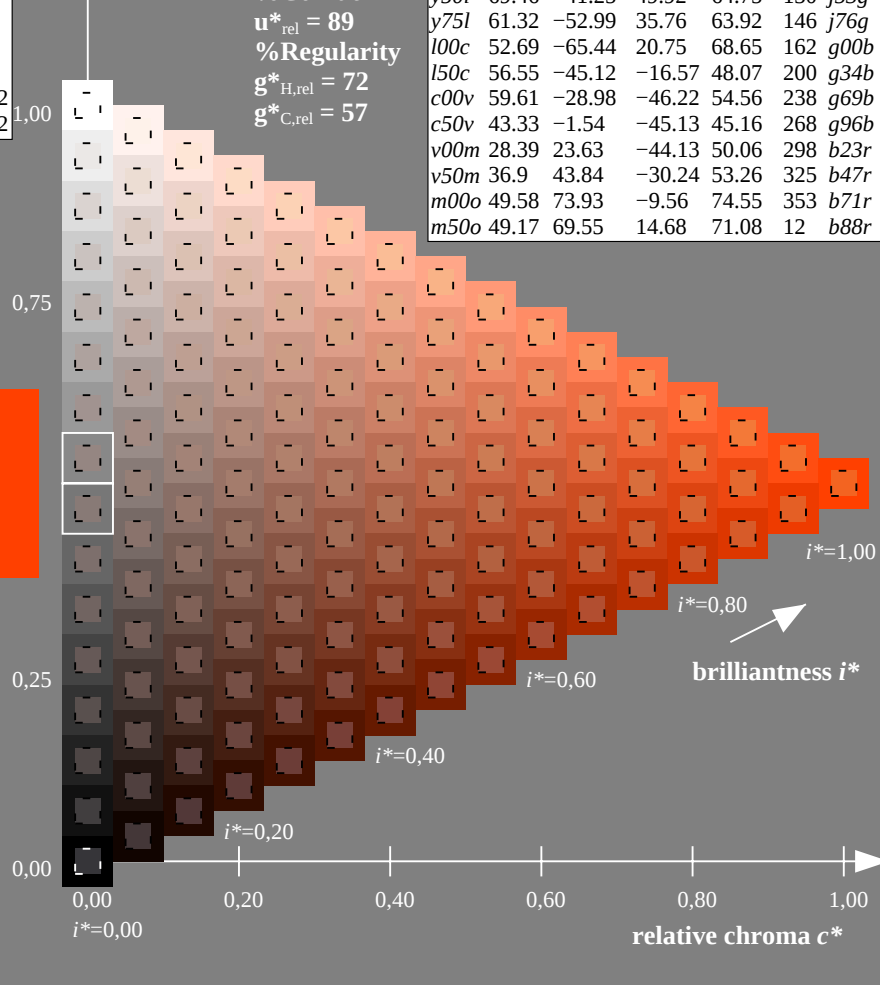
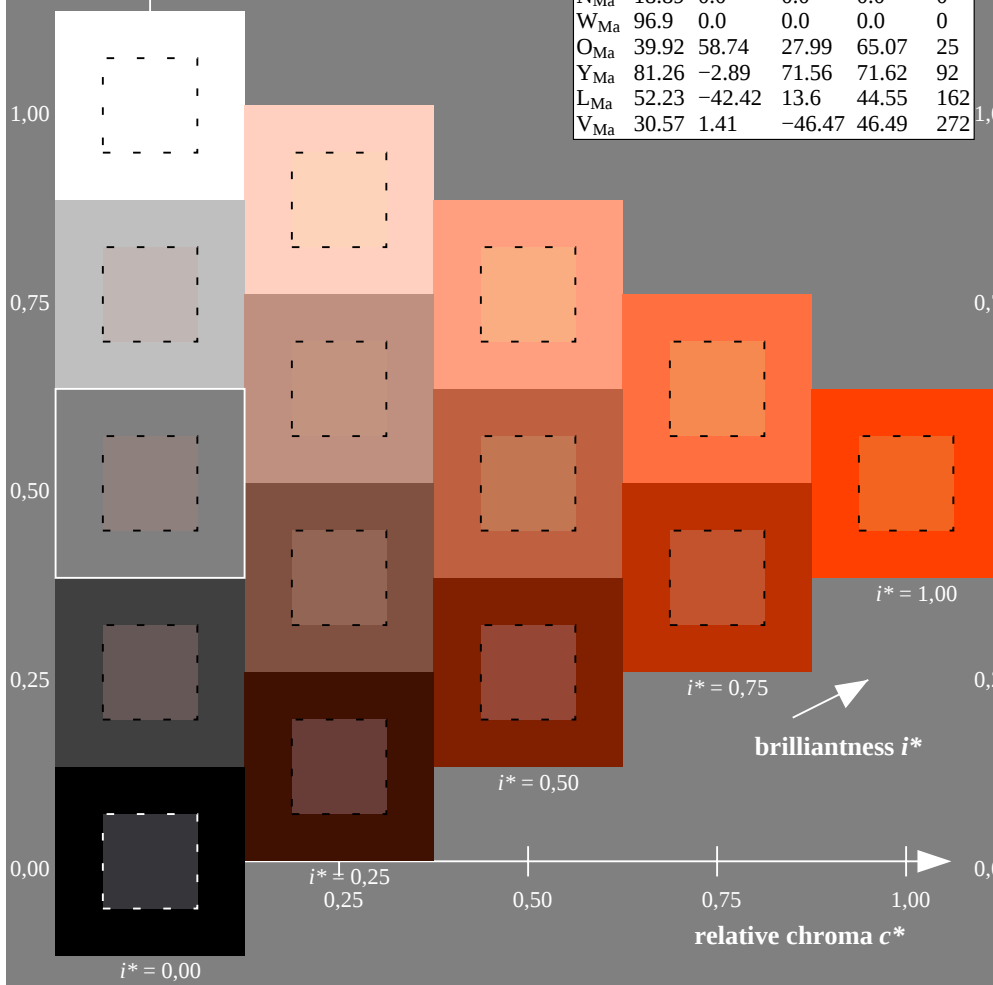
$g^*_{H,rel} = 72$

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

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^*

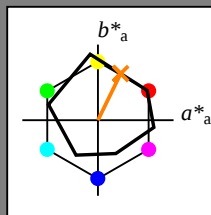
Hue texts:

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

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

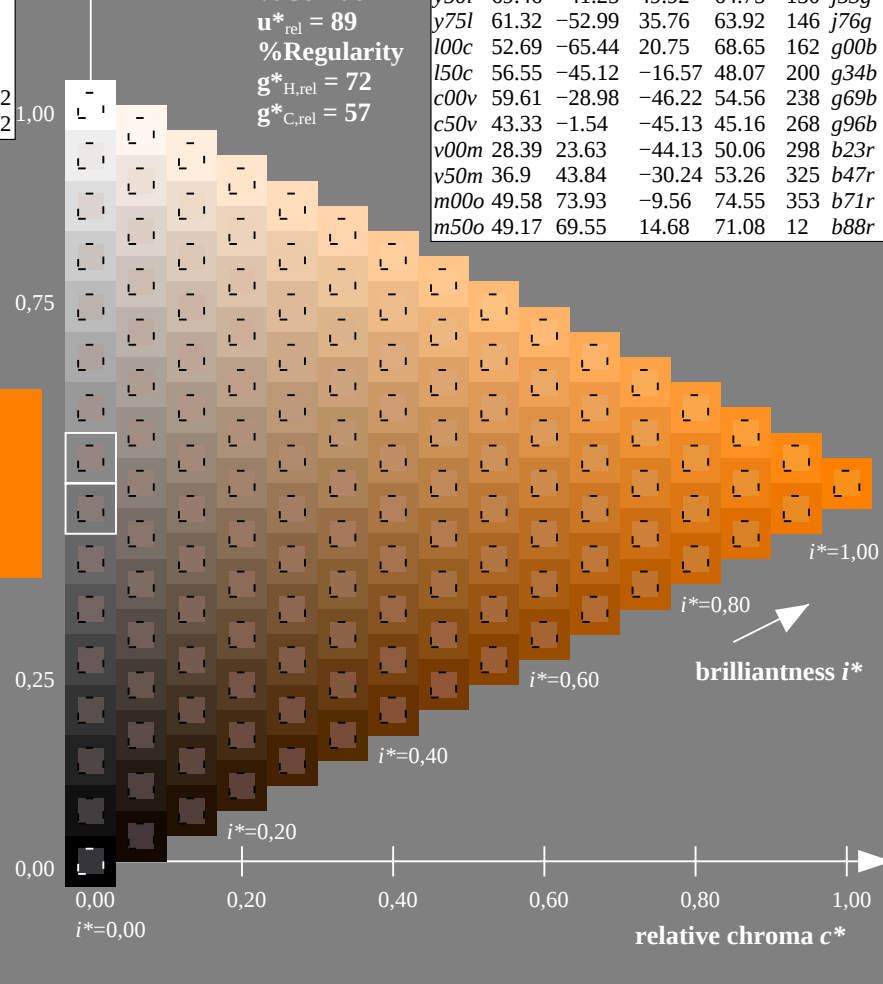
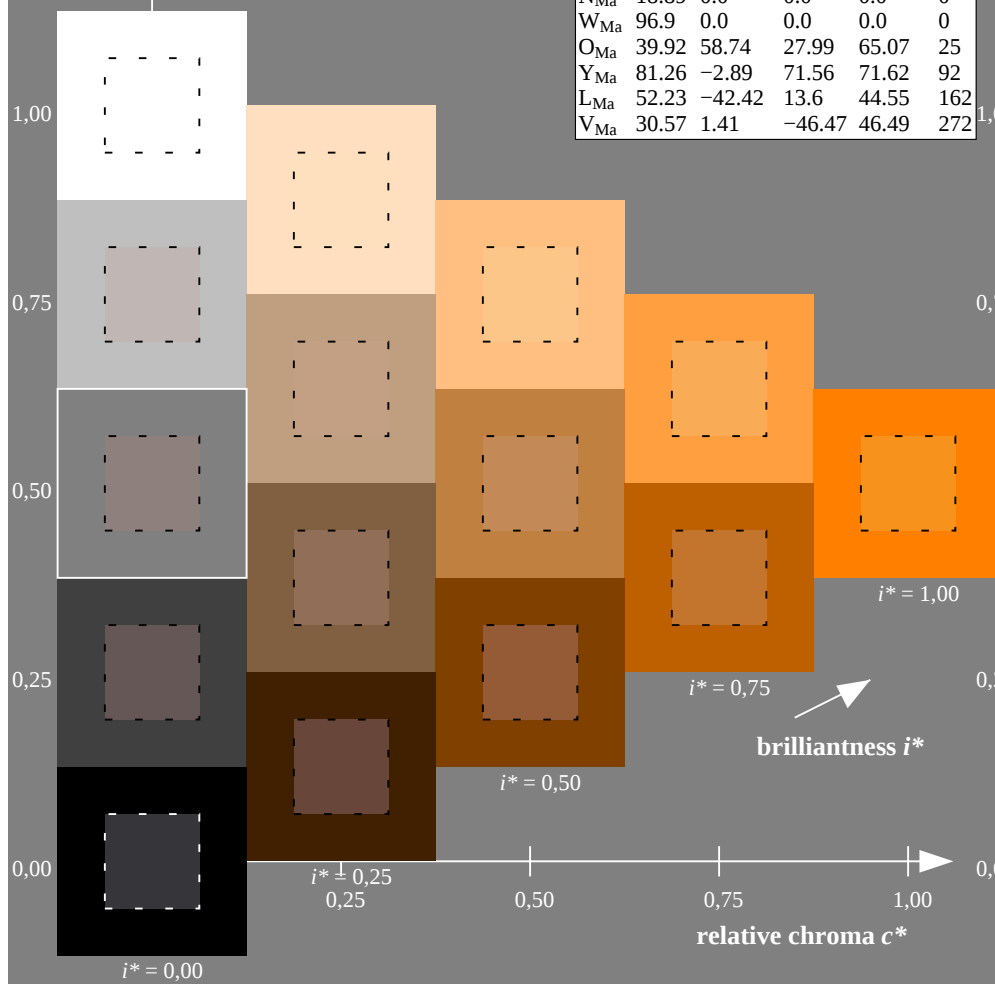
$g^*_{H,rel} = 72$

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

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^*

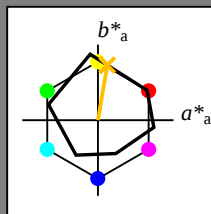
Hue texts:

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

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

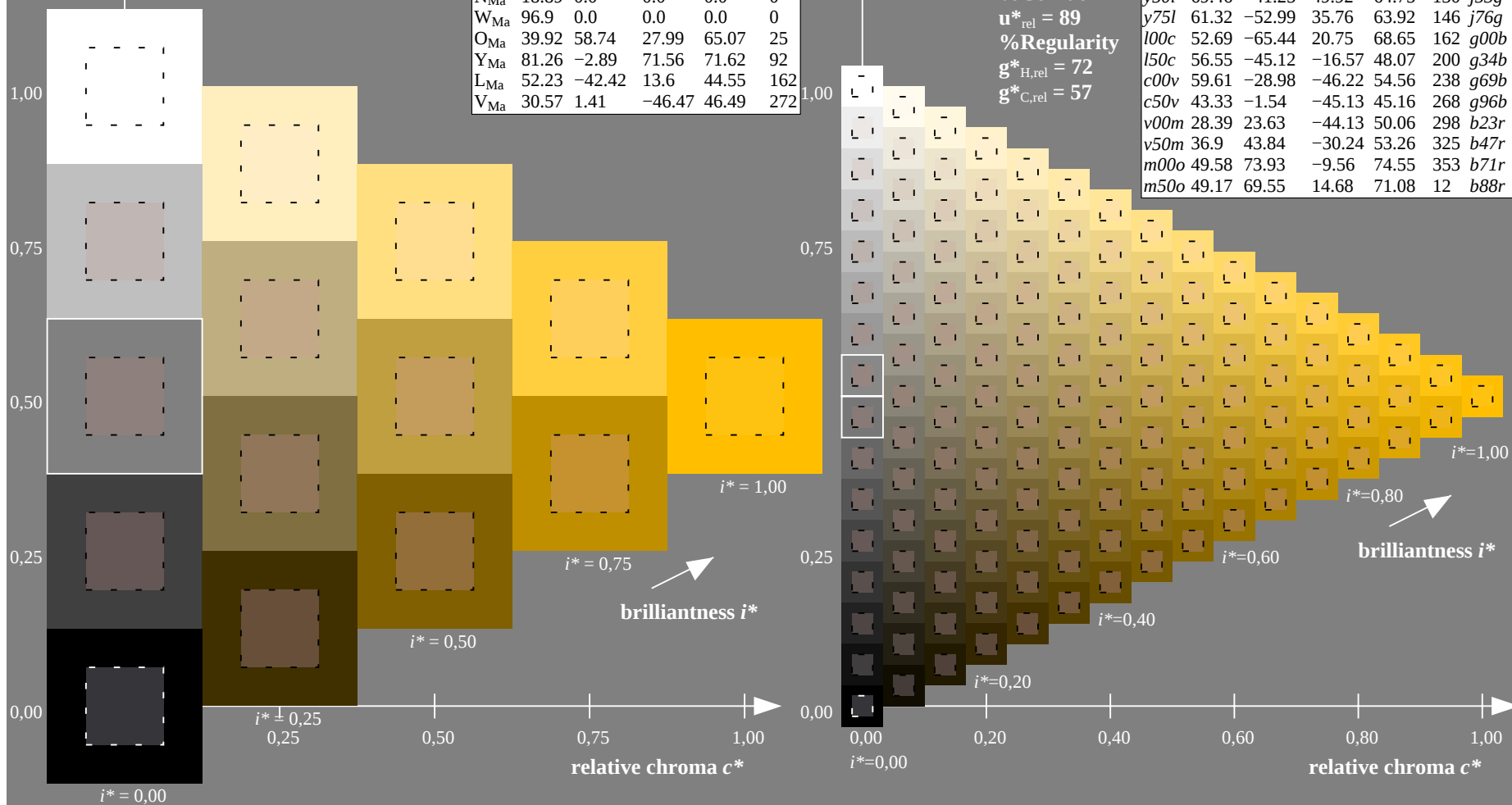
$g^*_{H,rel} = 72$

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

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^*

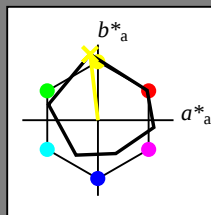
Hue texts:

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

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
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

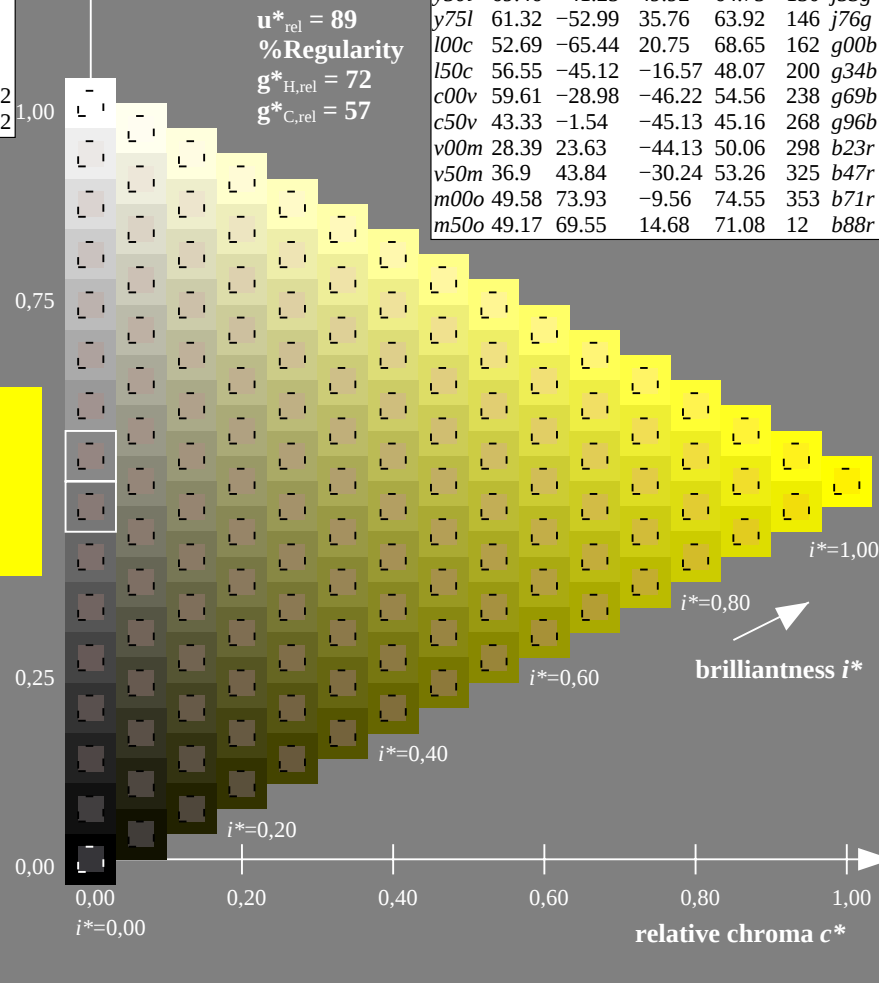
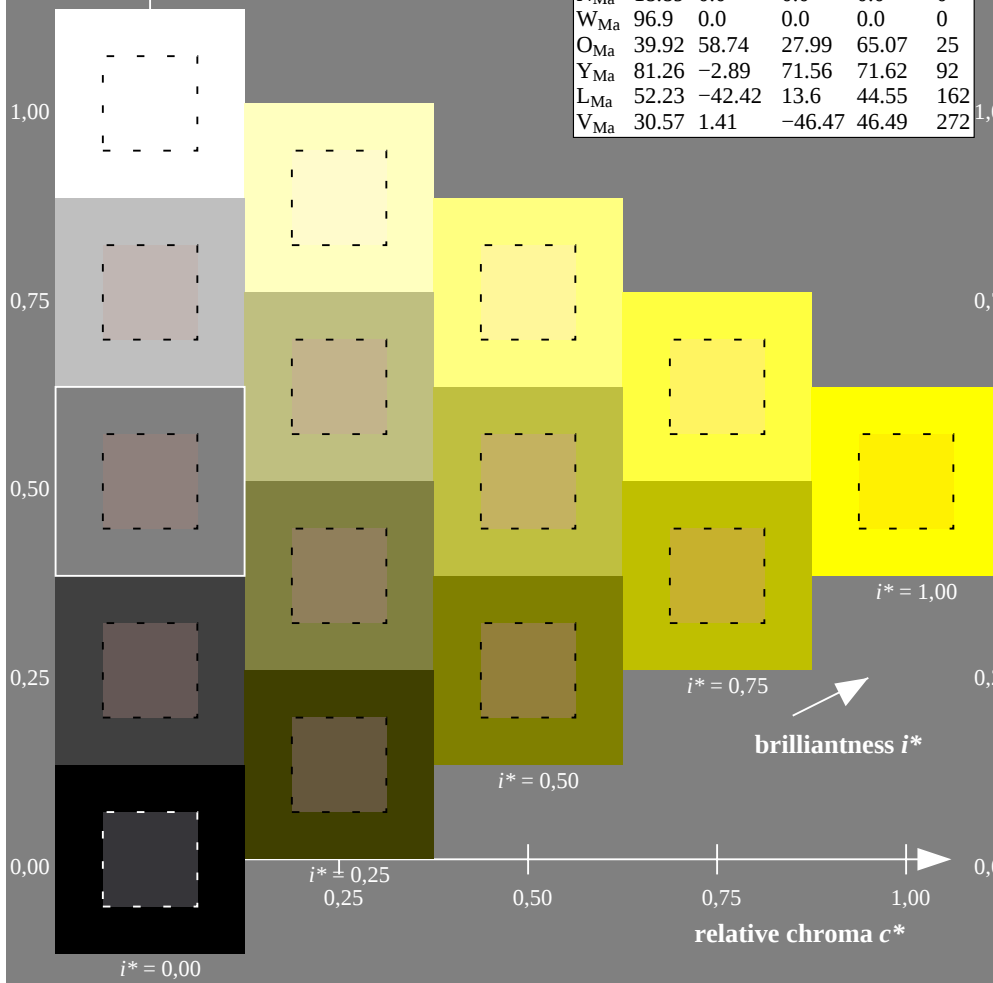
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_d = y00l$



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^*

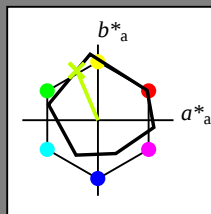
Hue texts:

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

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

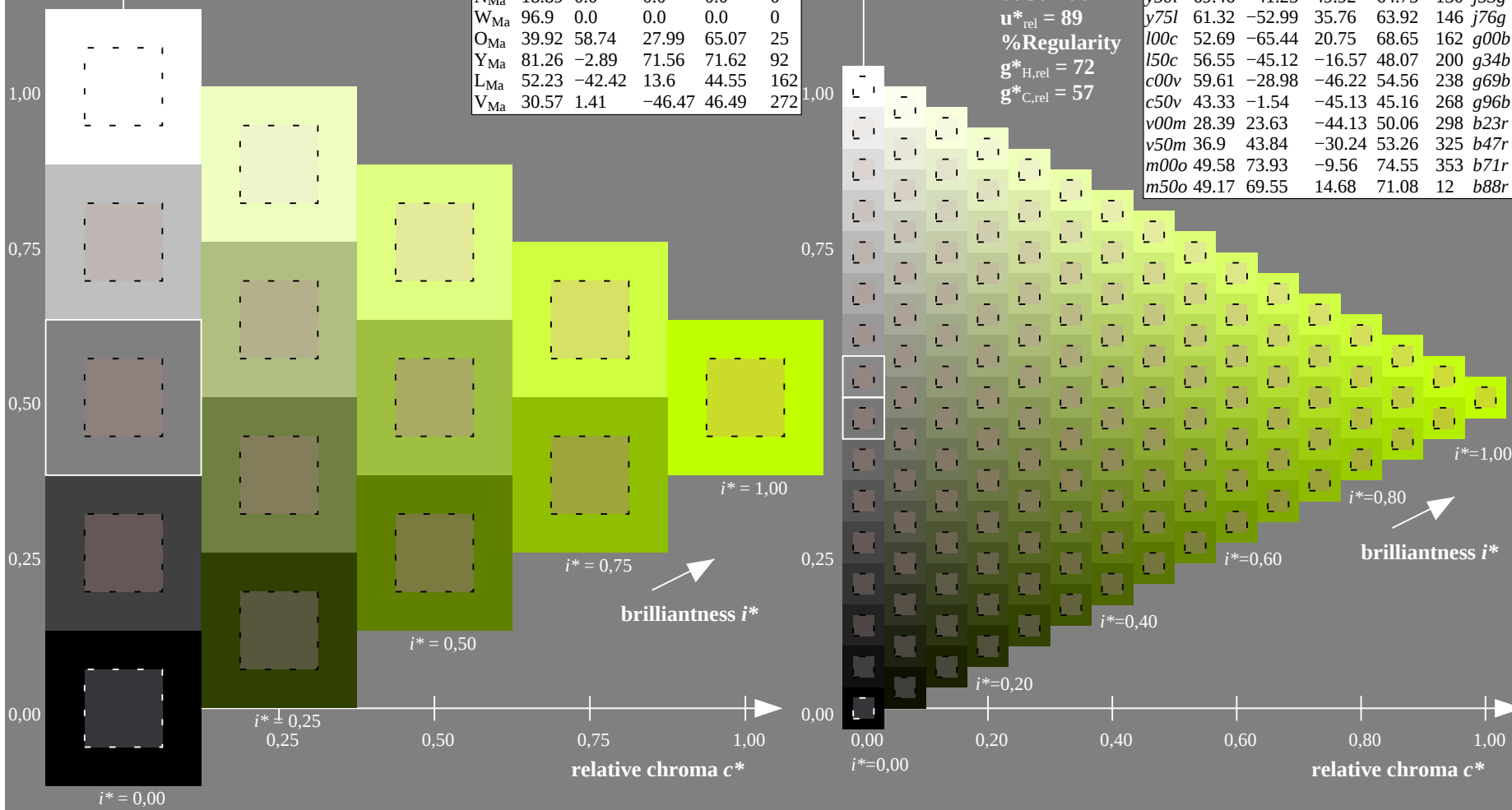
$g^*_{H,rel} = 72$

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

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^*

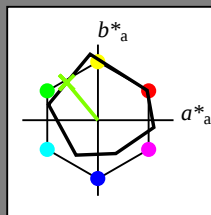
Hue texts:

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

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

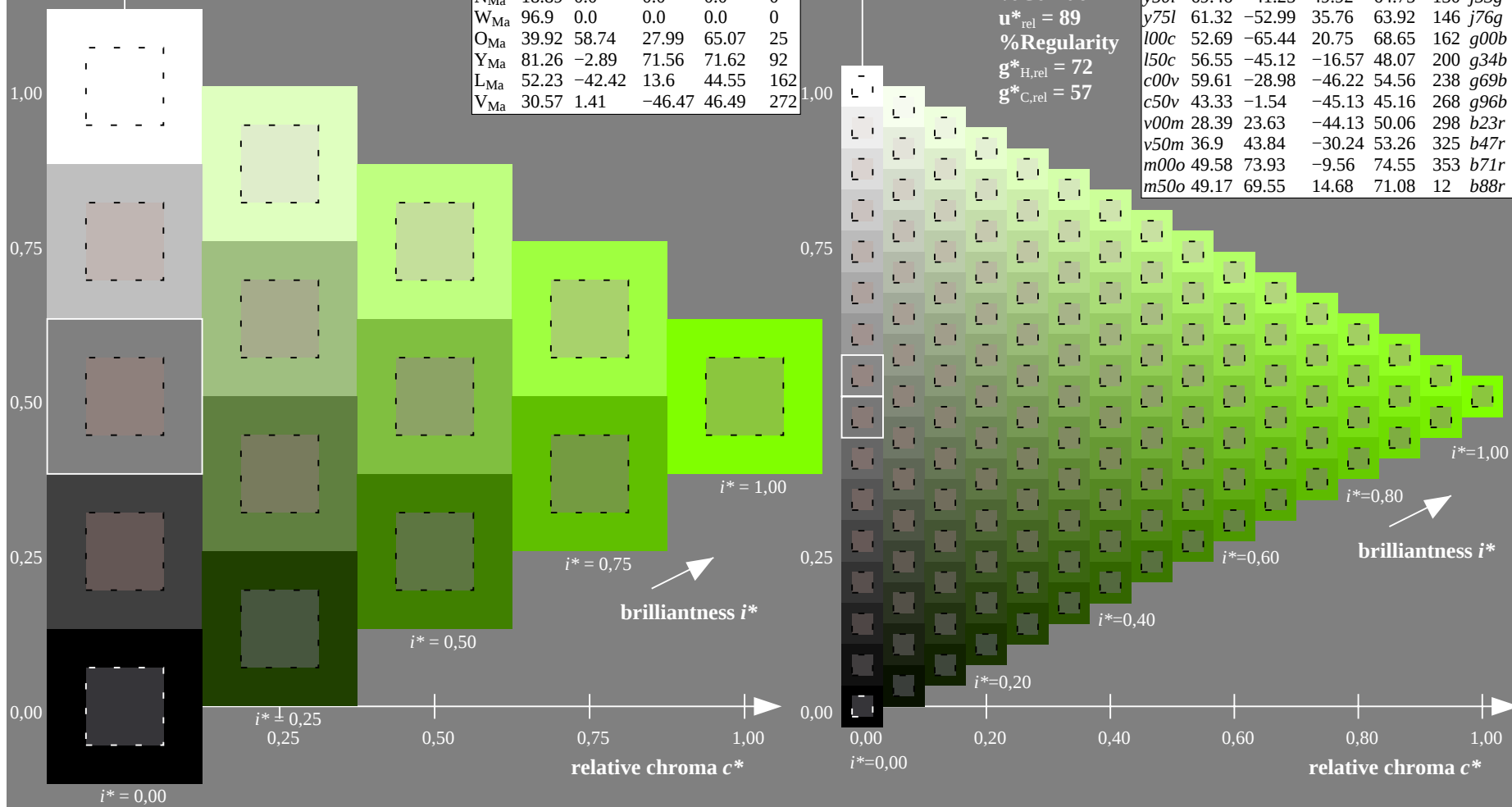
$g^*_{H,rel} = 72$

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

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

$u^*_d = y50l$



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^*

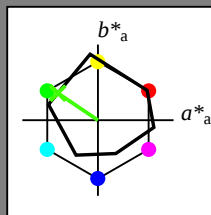
Hue texts:

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

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

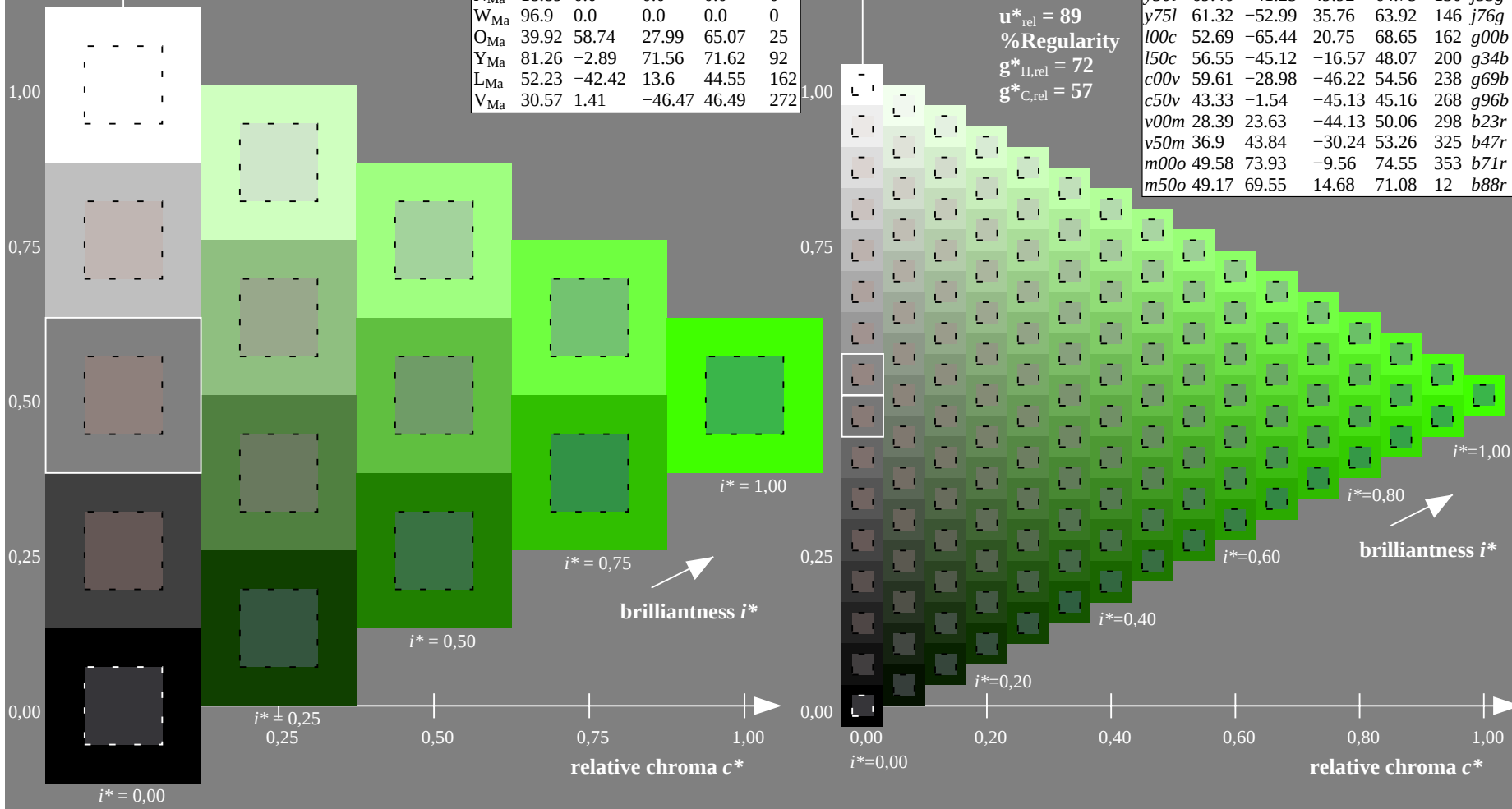
$g^*_{H,rel} = 72$

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

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^*

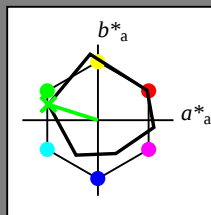
Hue texts:

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

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

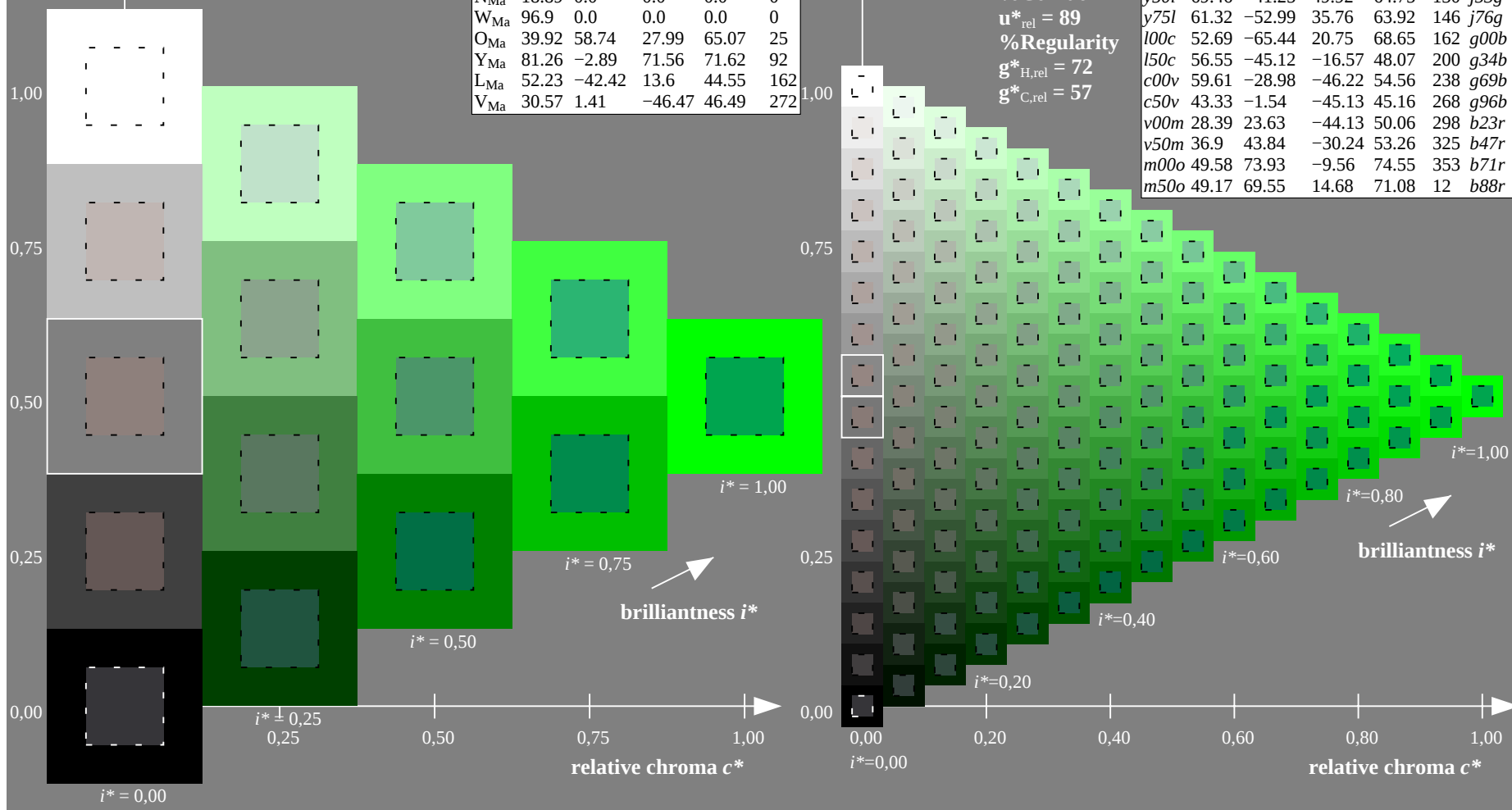
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

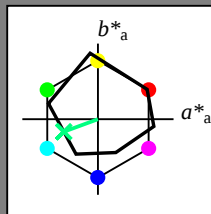
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	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

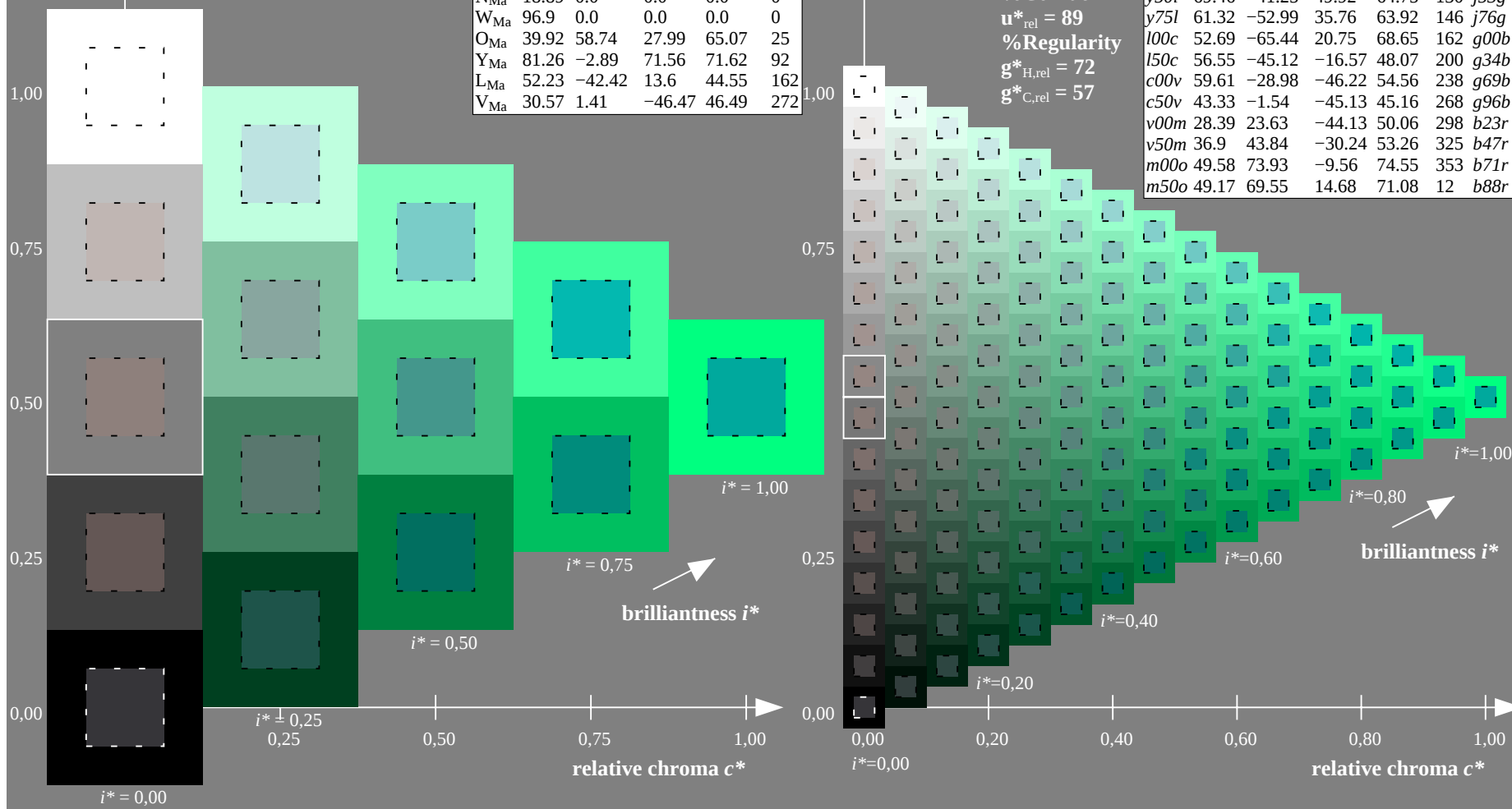
$u^*_{rel} = 89$

%Regularity

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

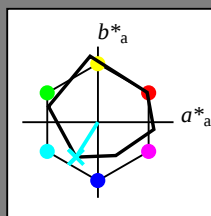
$g^*_{C,rel} = 57$

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

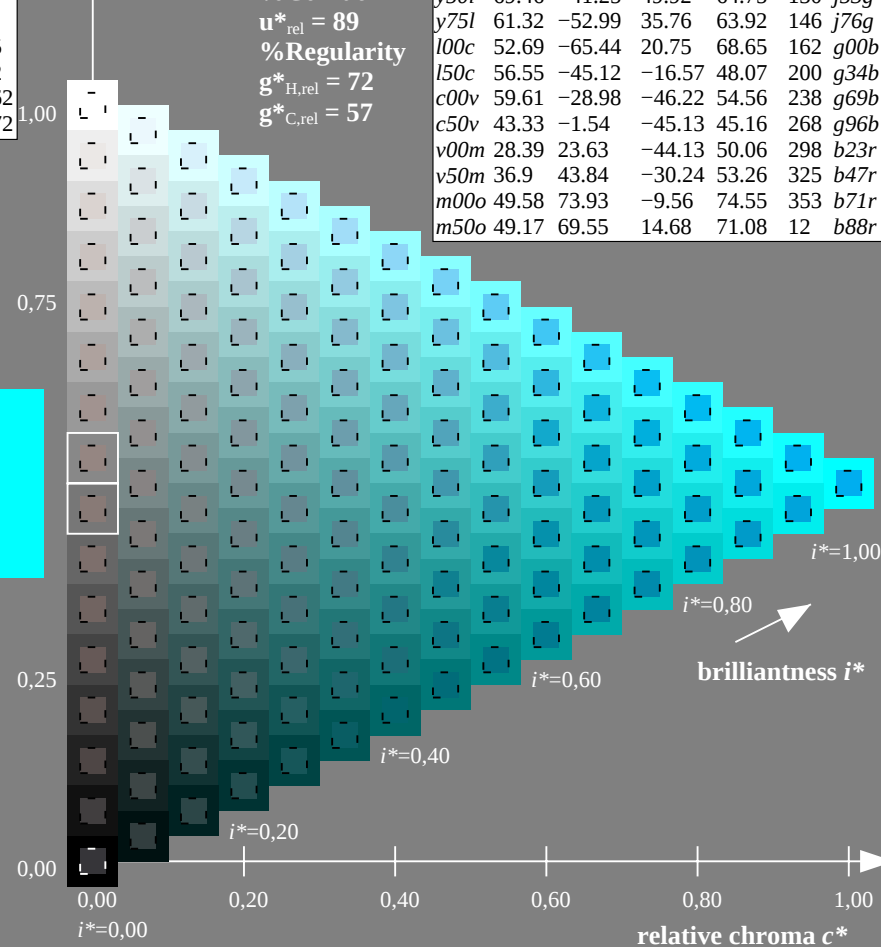
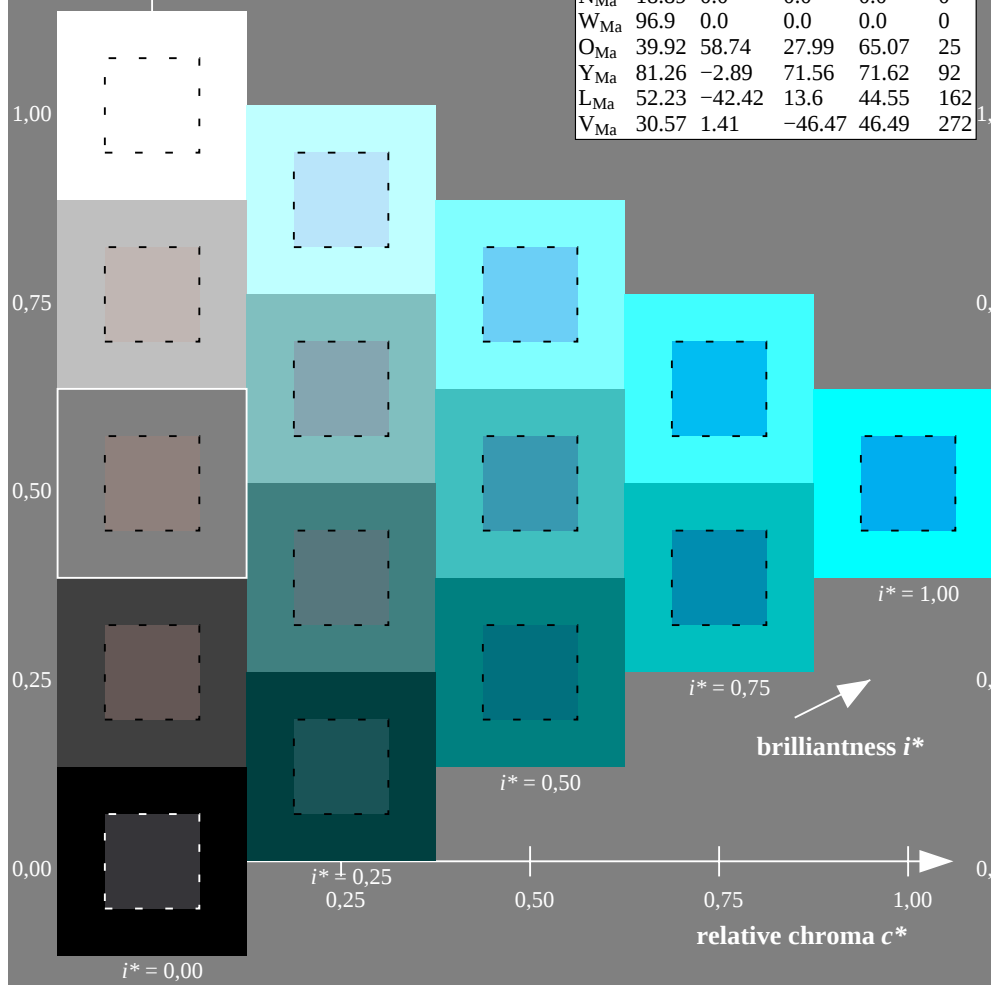
$u^*_{rel} = 89$

%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^*

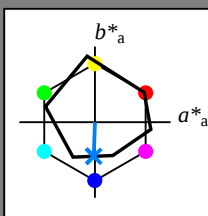
Hue texts:

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

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

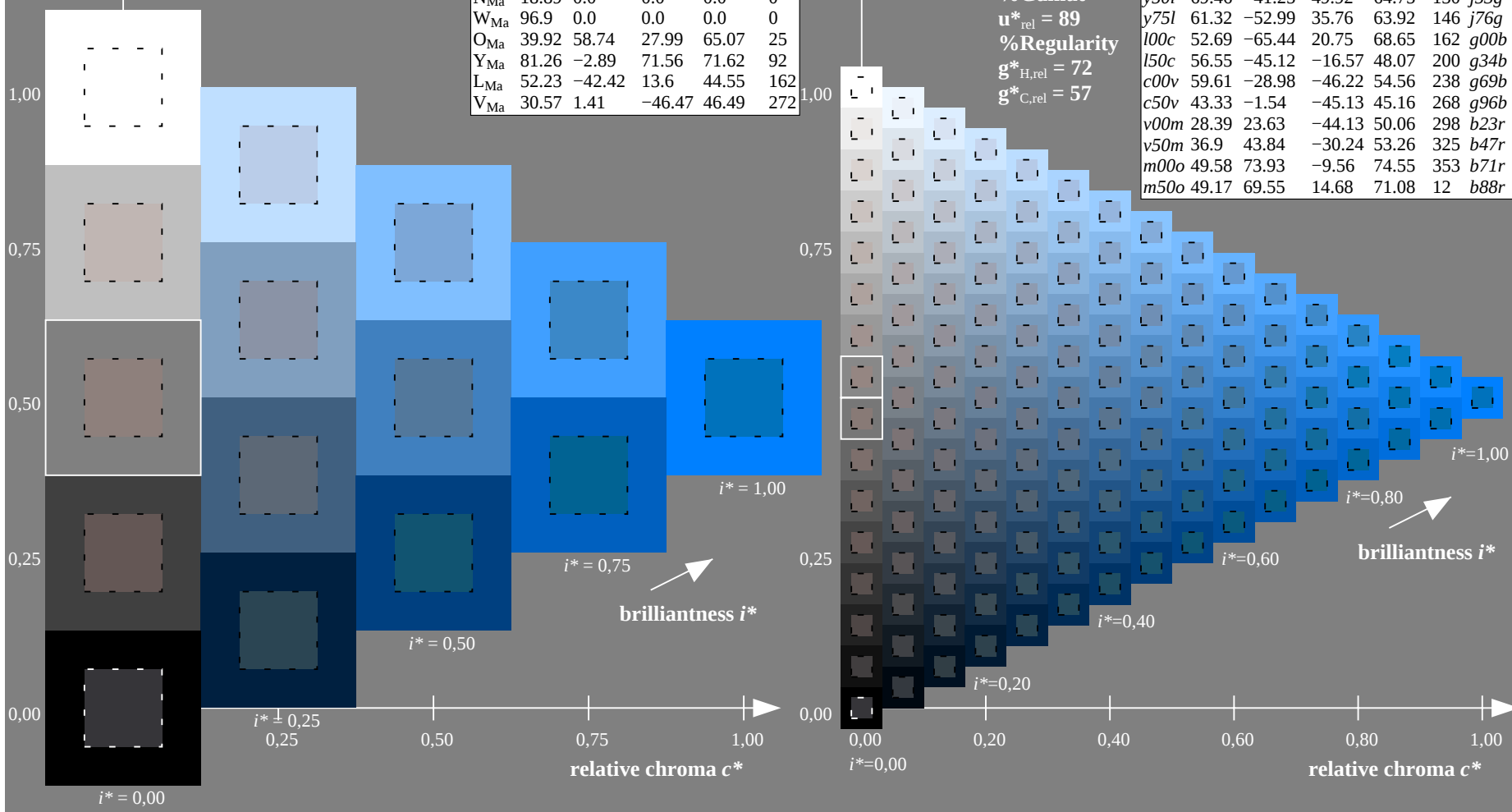
$g^*_{H,rel} = 72$

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

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^*

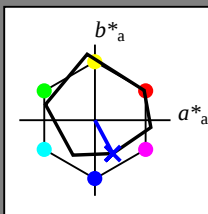
Hue texts:

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

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

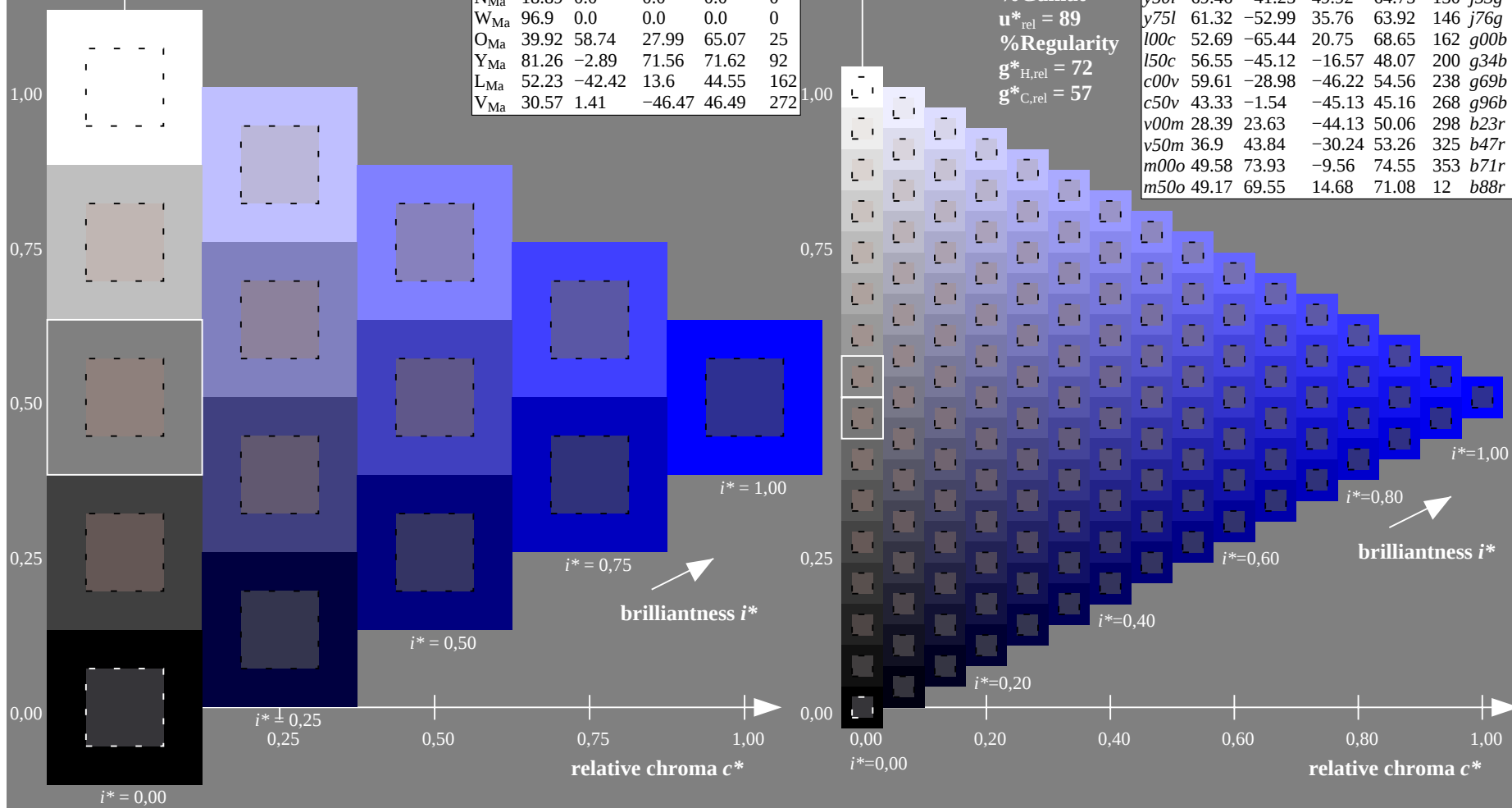
$g^*_{H,rel} = 72$

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

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^*

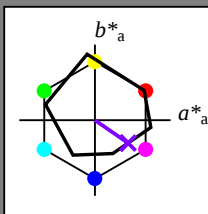
Hue texts:

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

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

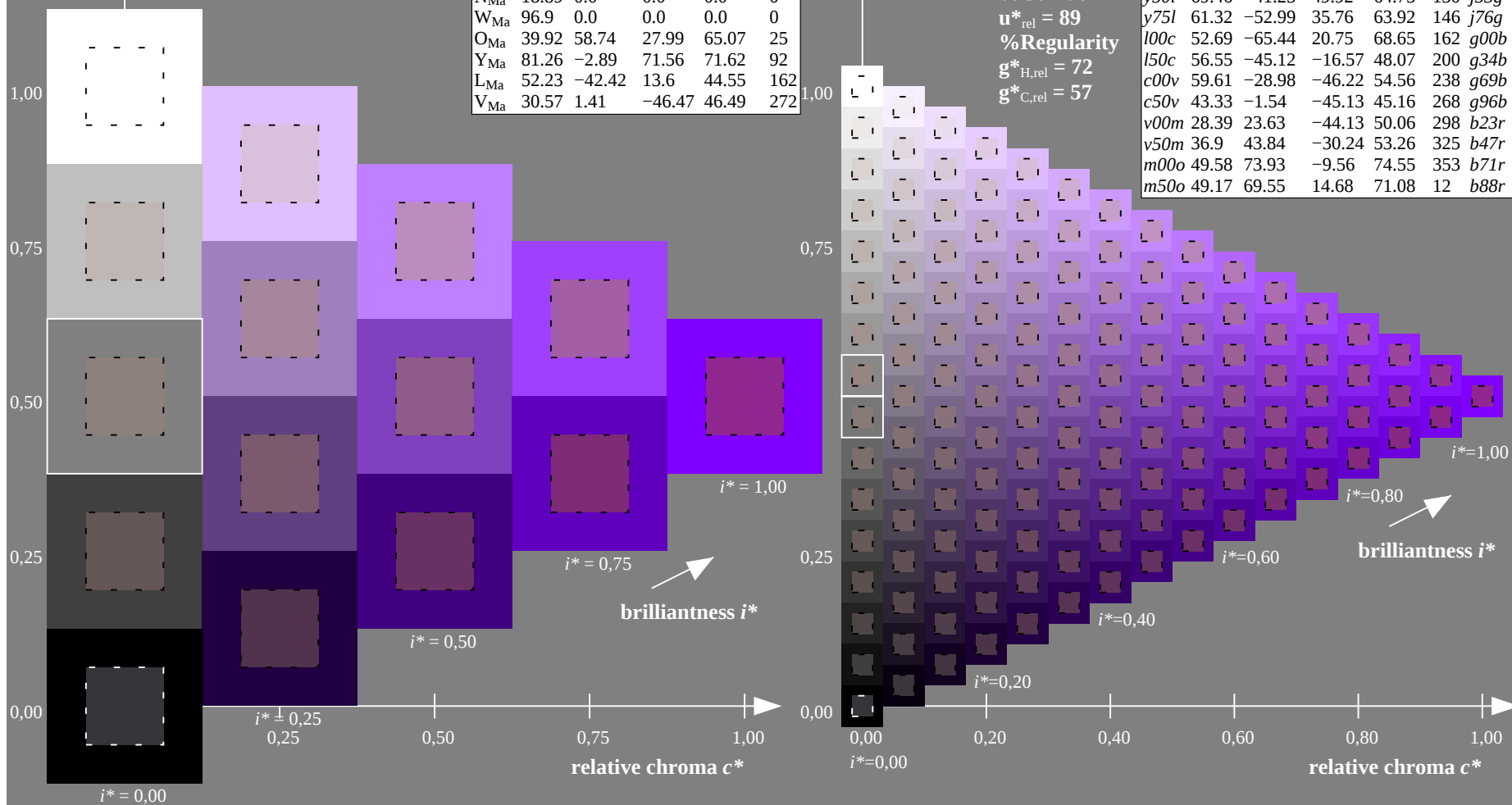
$g^*_{H,rel} = 72$

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

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^*

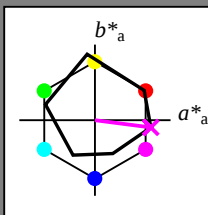
Hue texts:

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

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

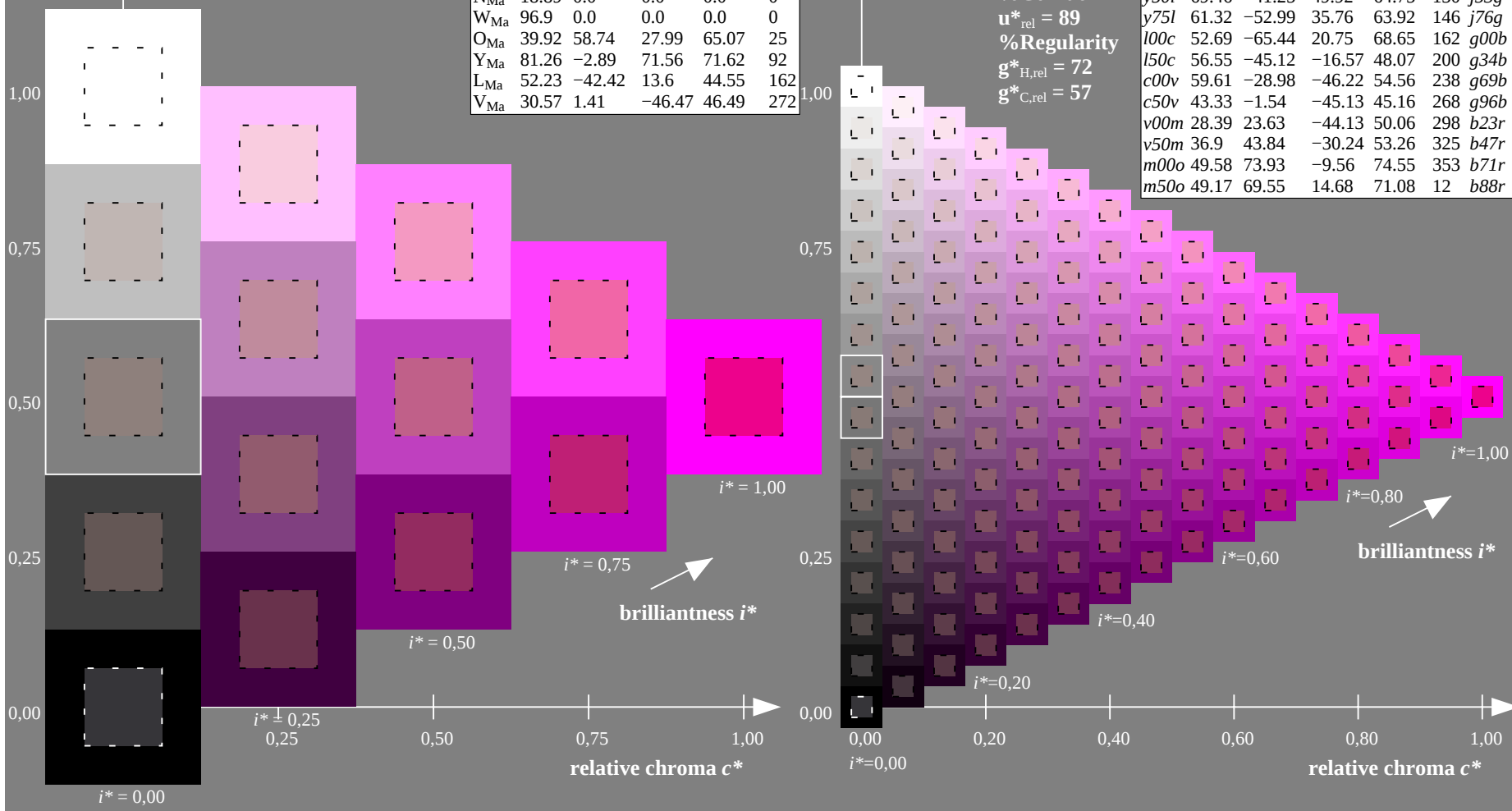
$g^*_{H,rel} = 72$

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

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

$u^*_d = m00o$



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^*

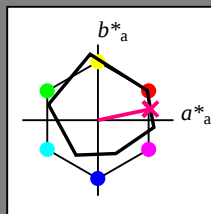
Hue texts:

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

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

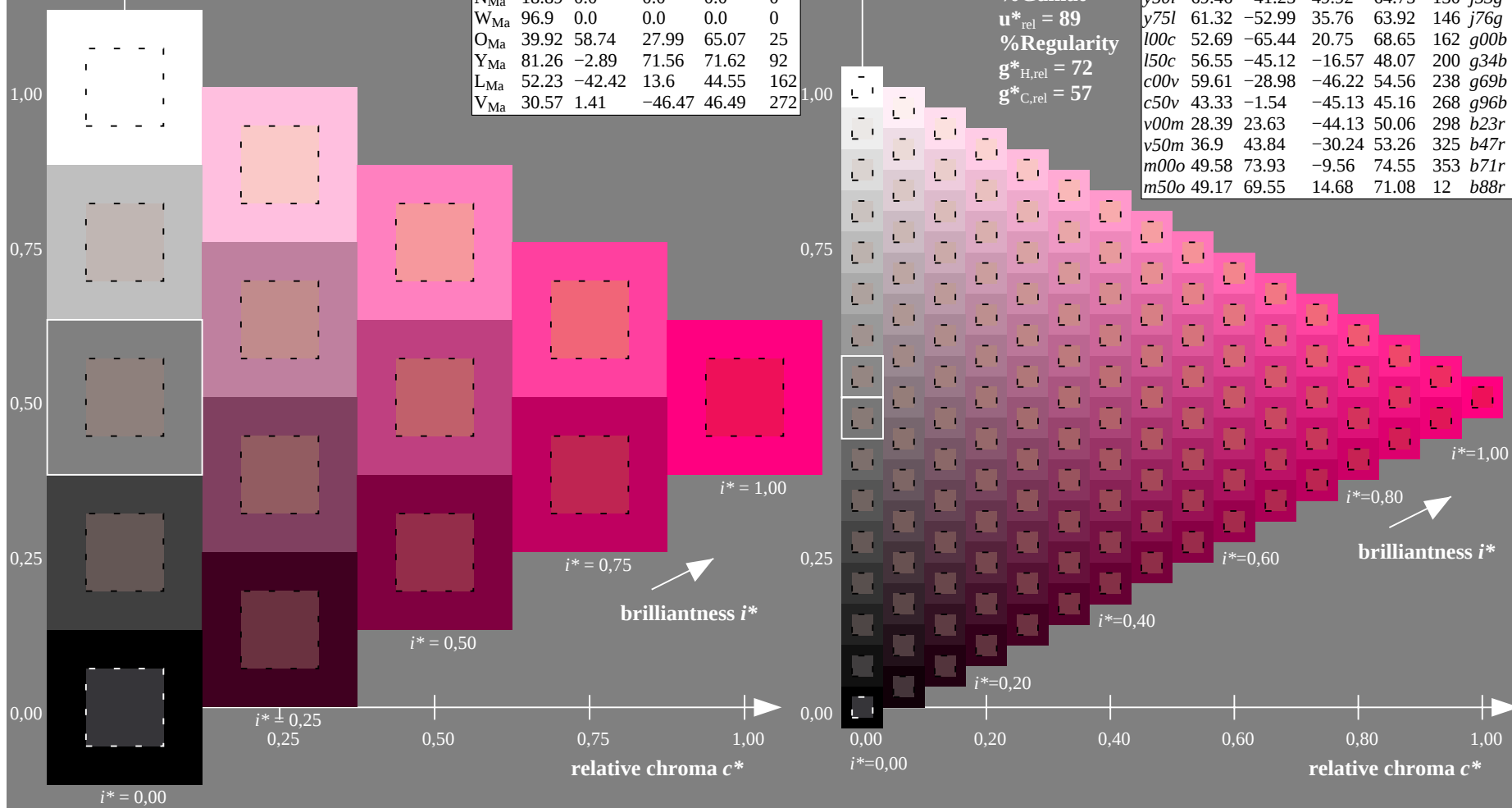
$g^*_{H,rel} = 72$

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

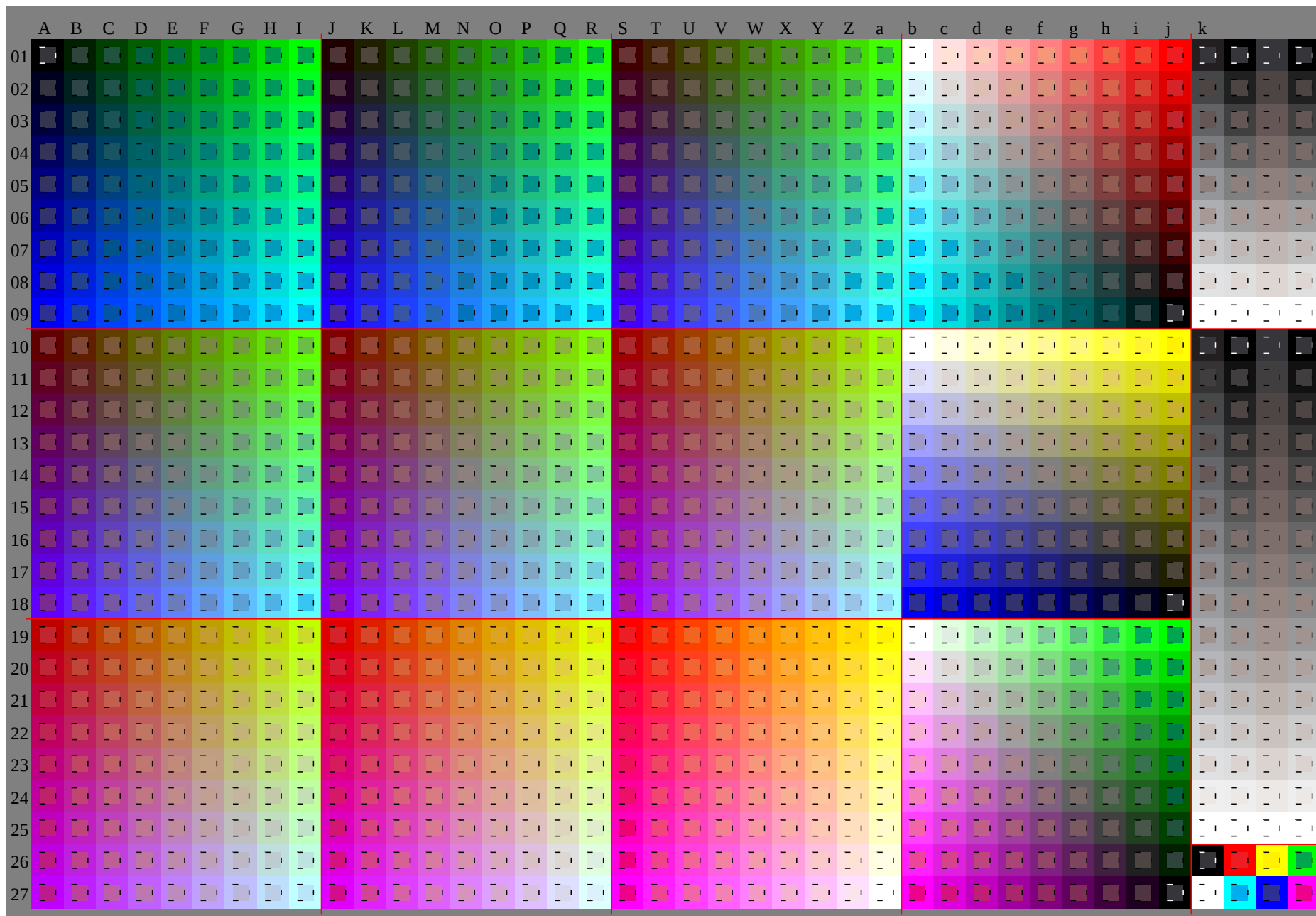
ORS19_96a; adapted (a) CIELAB data

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/Ee68/>; www.ps.bam.de/Ee68/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1



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

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

device hue text:

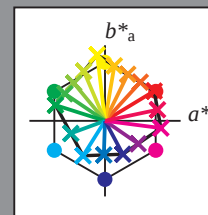
$u^*_d = 16$ hues $o00y, o25y, \dots, m50o$

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

$u^*_{rel} = 89$

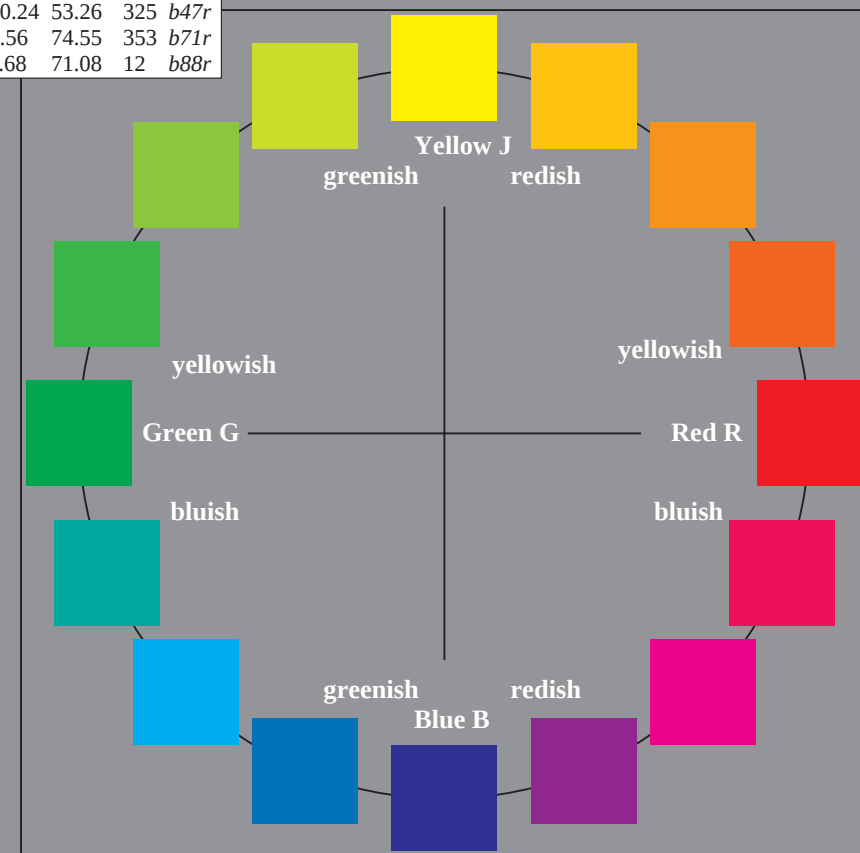
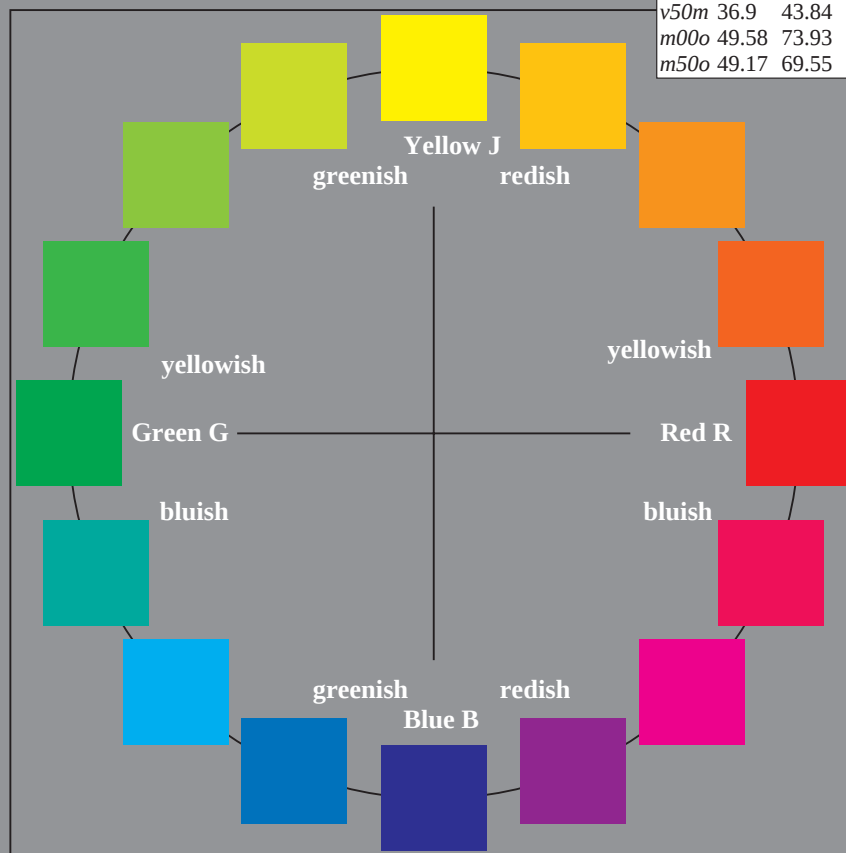
%Regularity

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

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

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	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^*

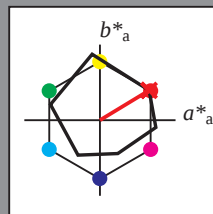
Hue texts:

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

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

$u^*_{rel} = 89$

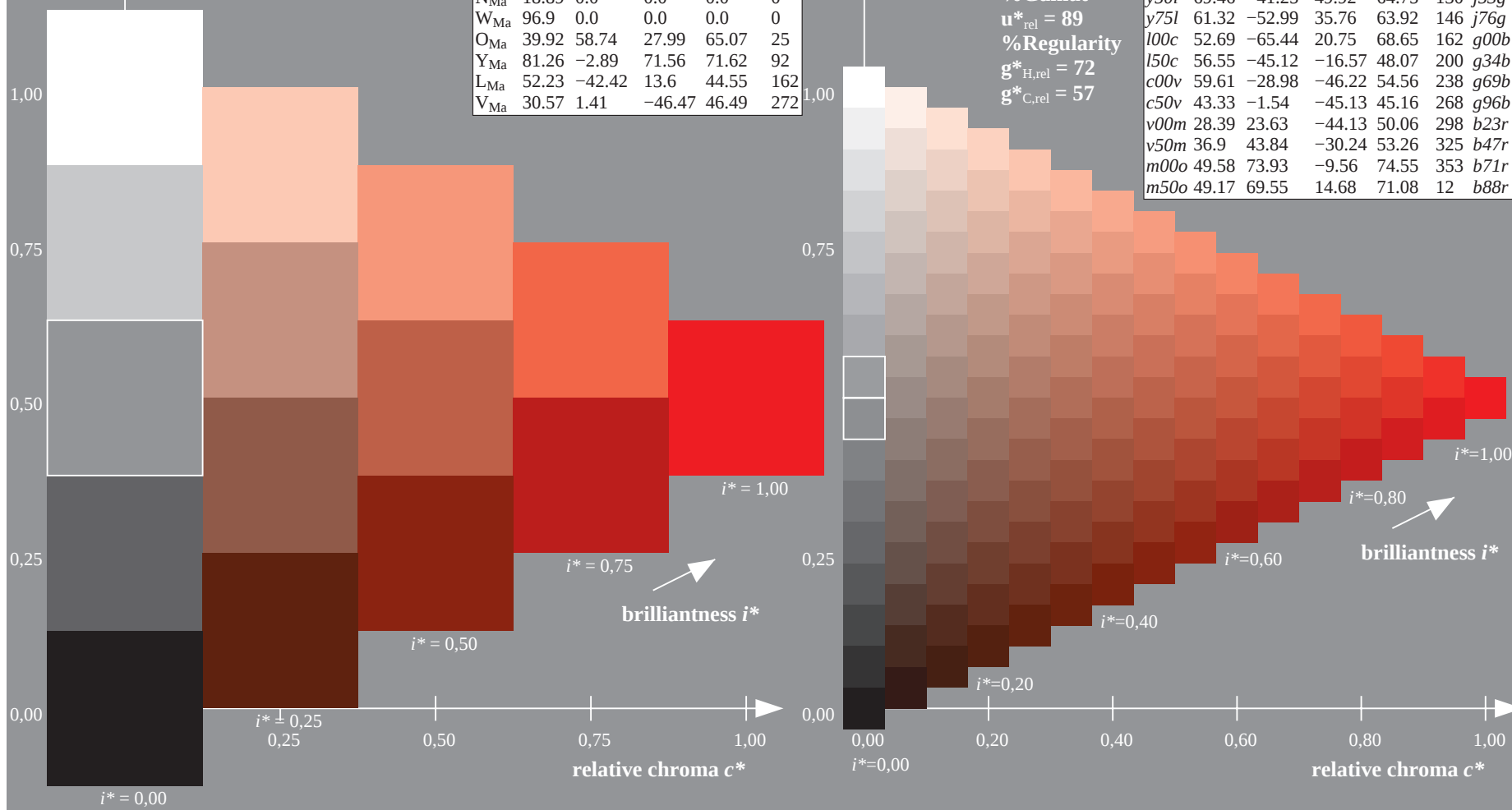
%Regularity

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

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

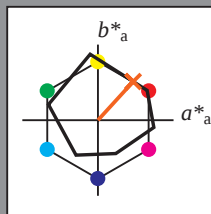
ORS19_96a; adapted (a) CIELAB data

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^*



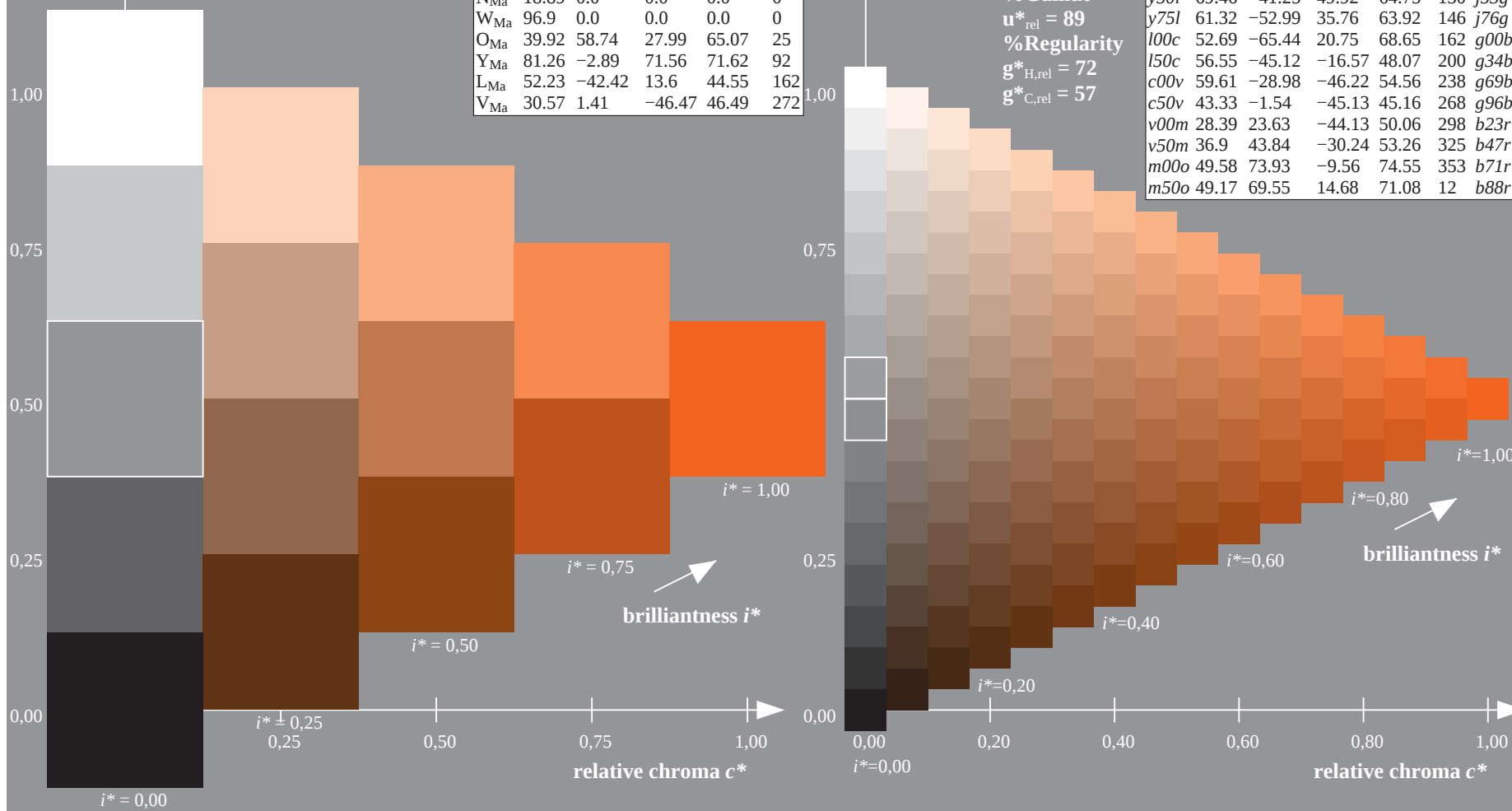
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-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^*

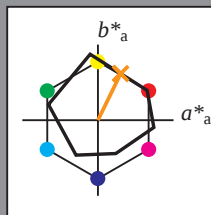
%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

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

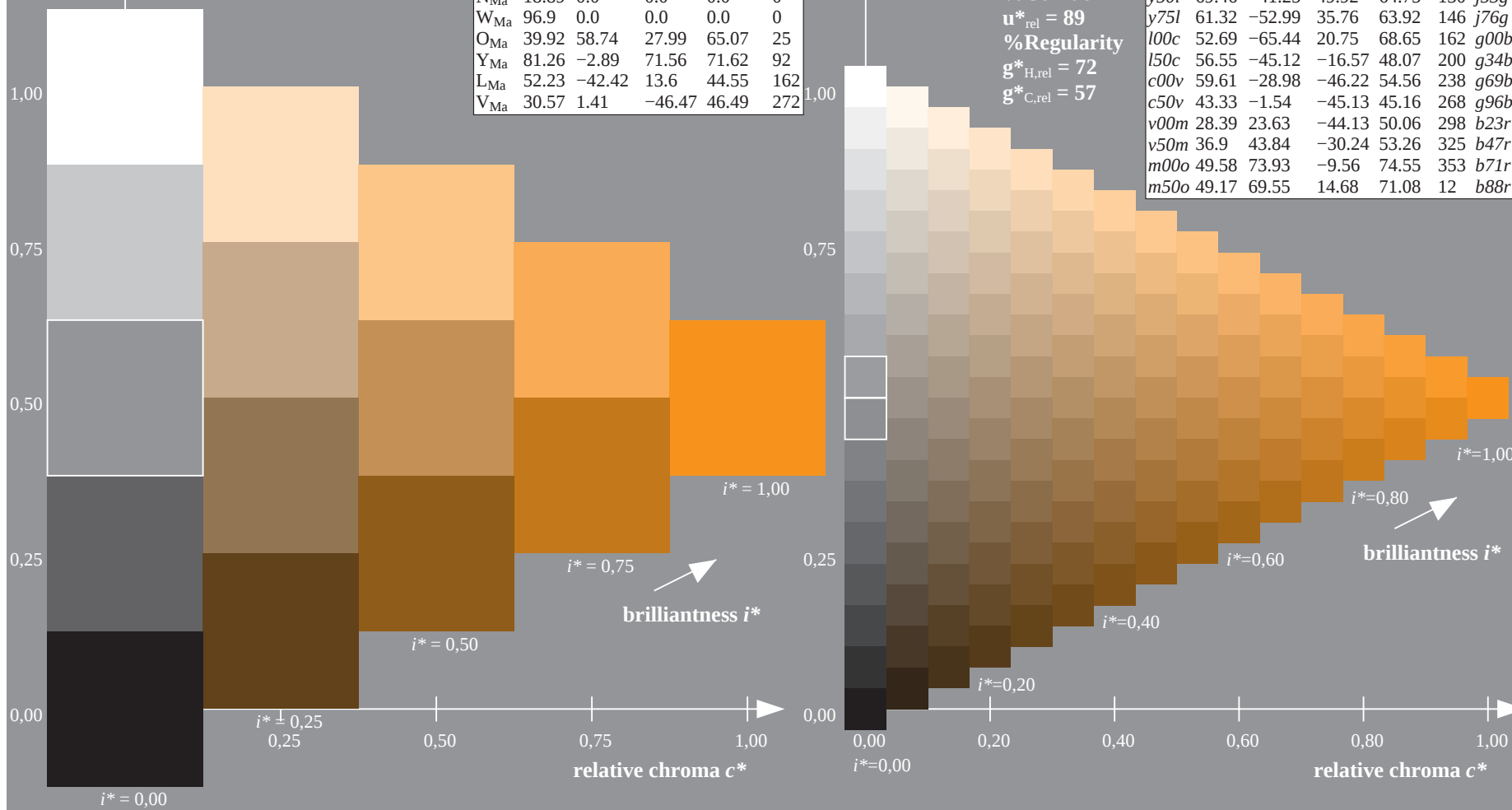
$u^*_{rel} = 89$

%Regularity

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

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

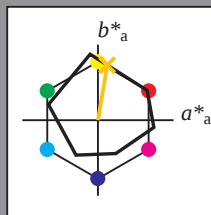
ORS19_96a; adapted (a) CIELAB data						
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	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

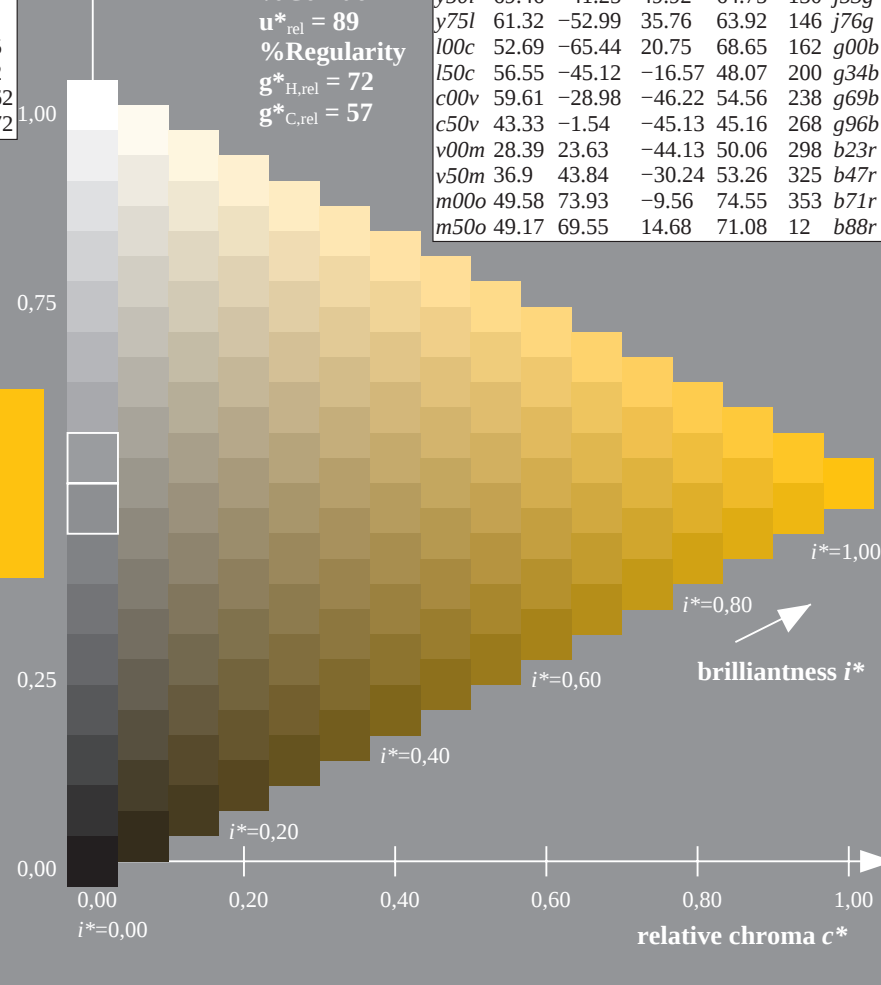
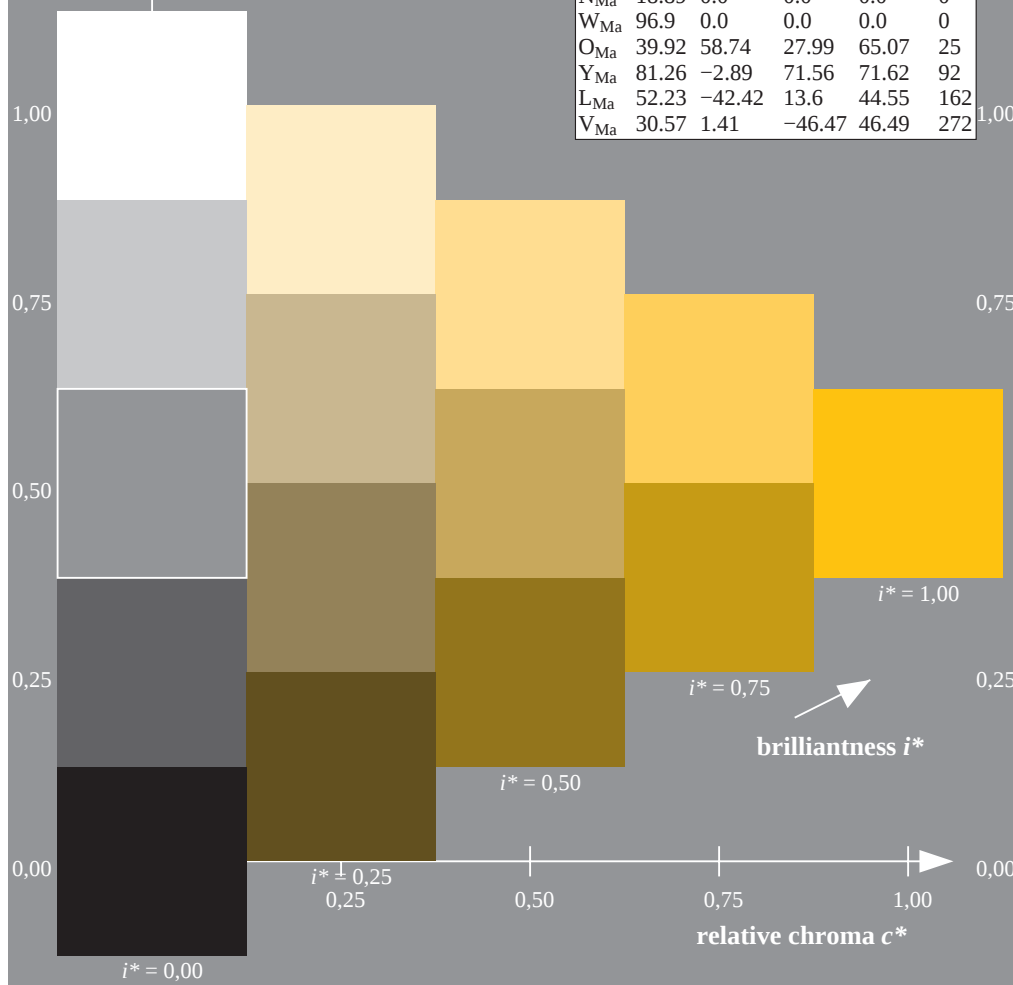
$u^*_{rel} = 89$

%Regularity

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

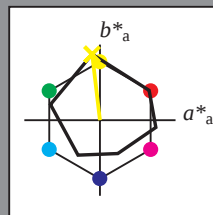
$g^*_{C,rel} = 57$

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



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

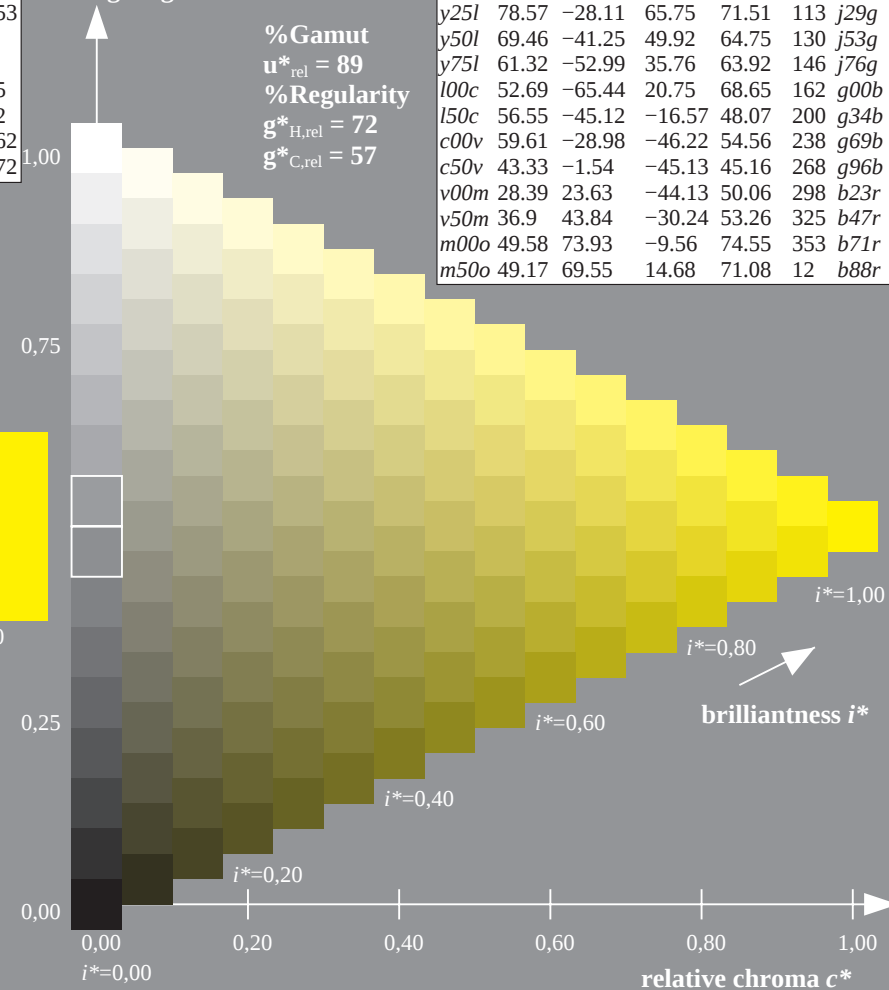
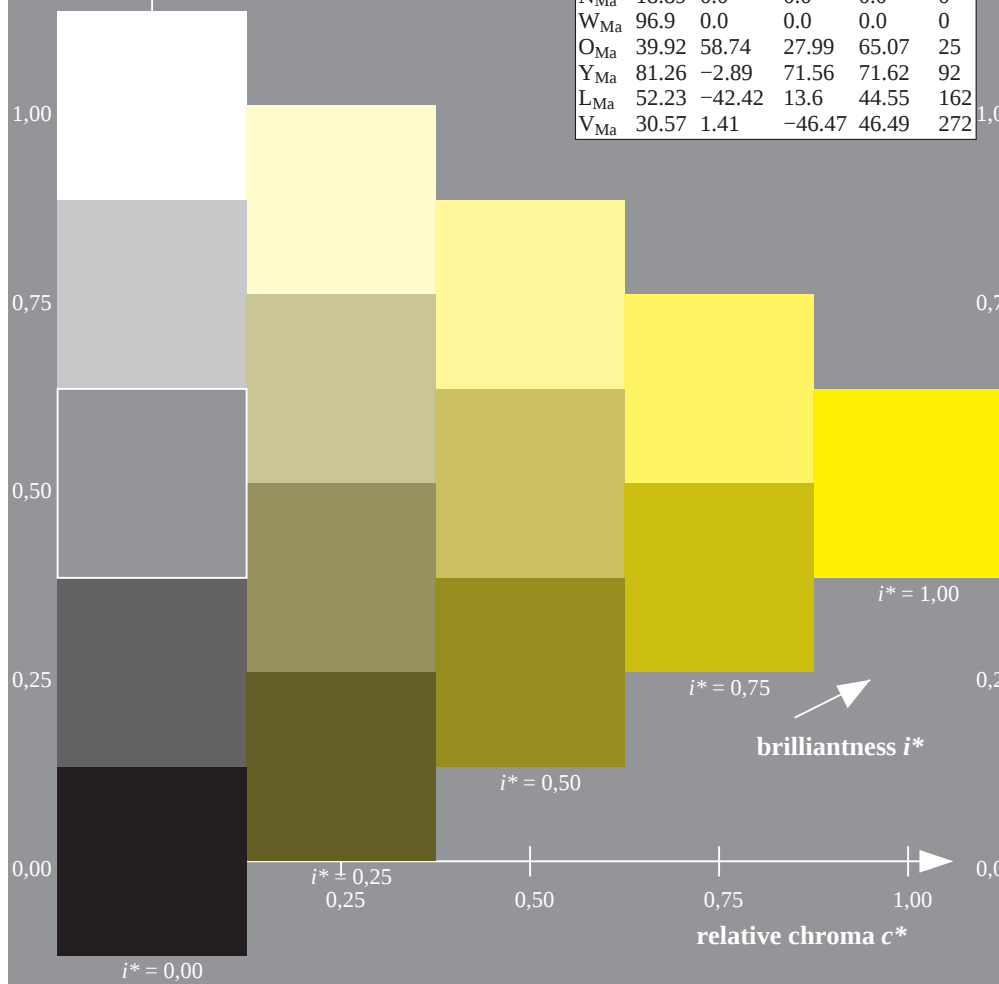
$u^*_{rel} = 89$

% Regularity

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

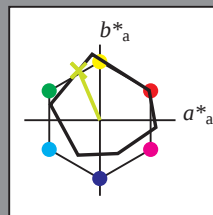
$g^*_{C,rel} = 57$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.314$
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

$u^*_{rel} = 89$

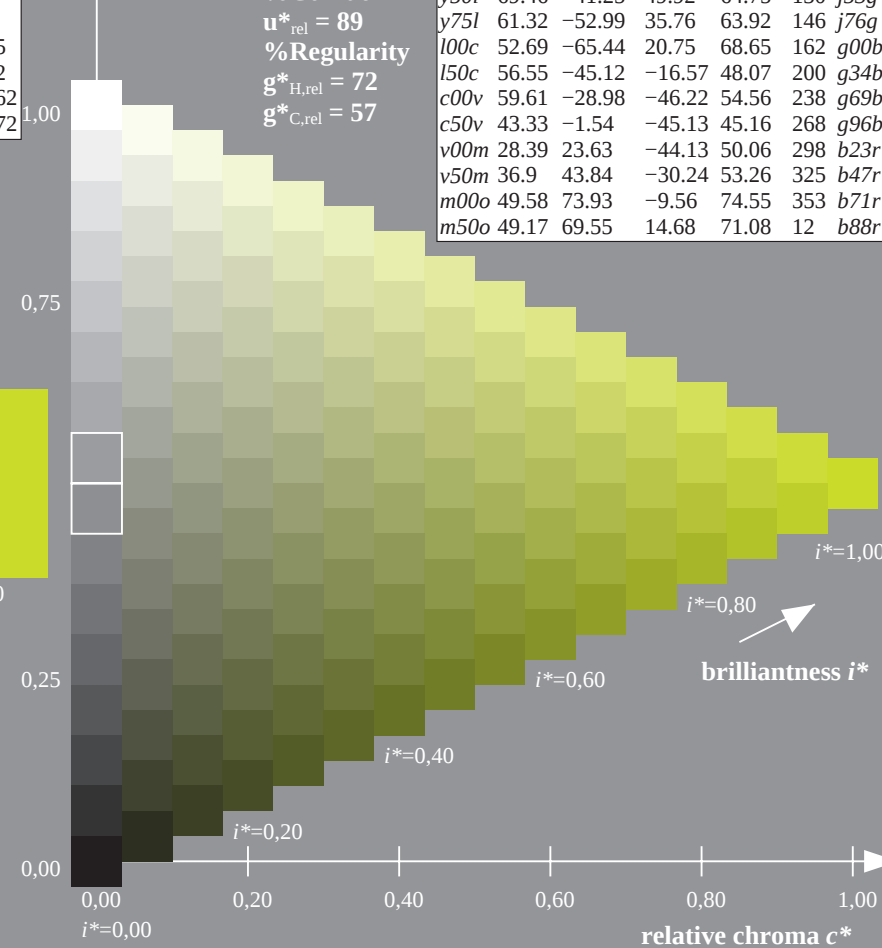
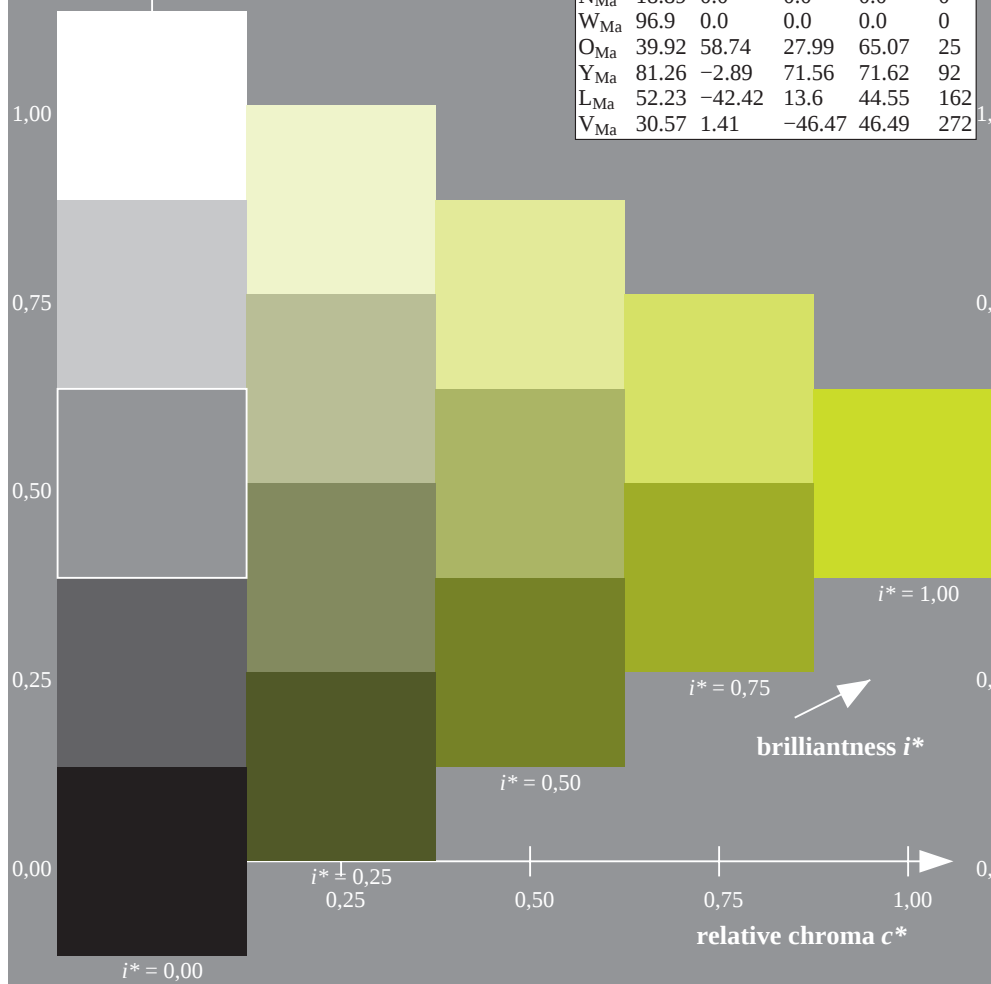
%Regularity

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

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

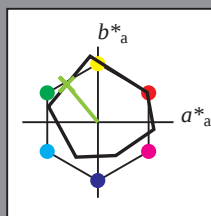
ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	48.75	65.07	39.43	76.08	31
o25y	59.04	46.67	51.1	69.21	48
o50y	68.32	30.09	61.62	68.58	64
o75y	78.23	12.39	72.85	73.9	80
y00l	90.92	-10.29	87.24	87.85	97
y25l	78.57	-28.11	65.75	71.51	113
y50l	69.46	-41.25	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

$u^*_d = y25l$



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

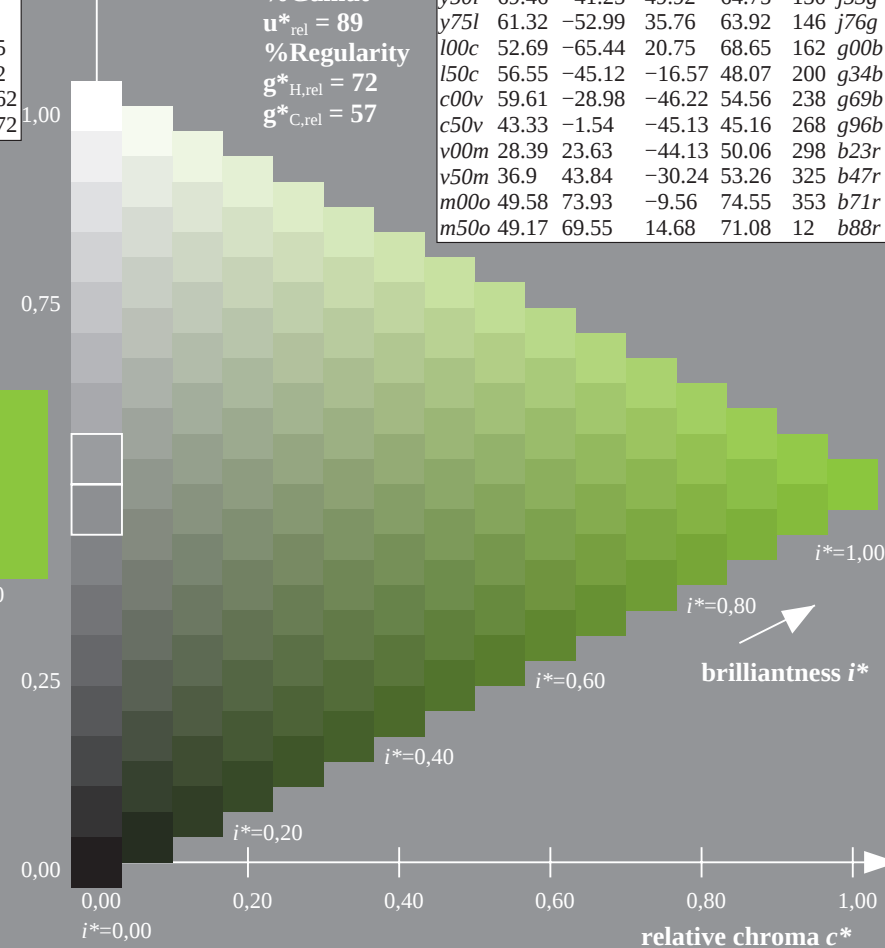
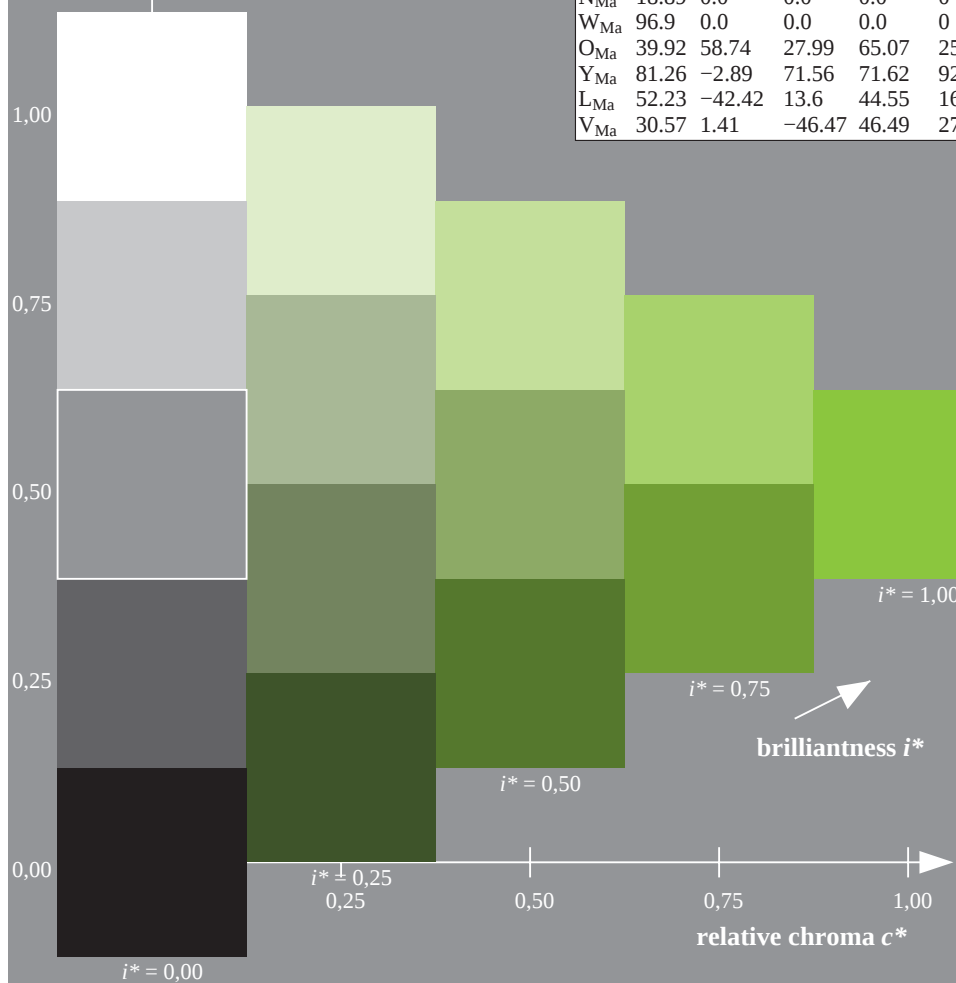
$u^*_{rel} = 89$

%Regularity

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

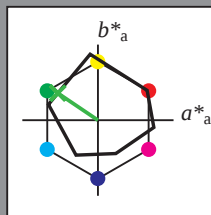
$g^*_{C,rel} = 57$

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

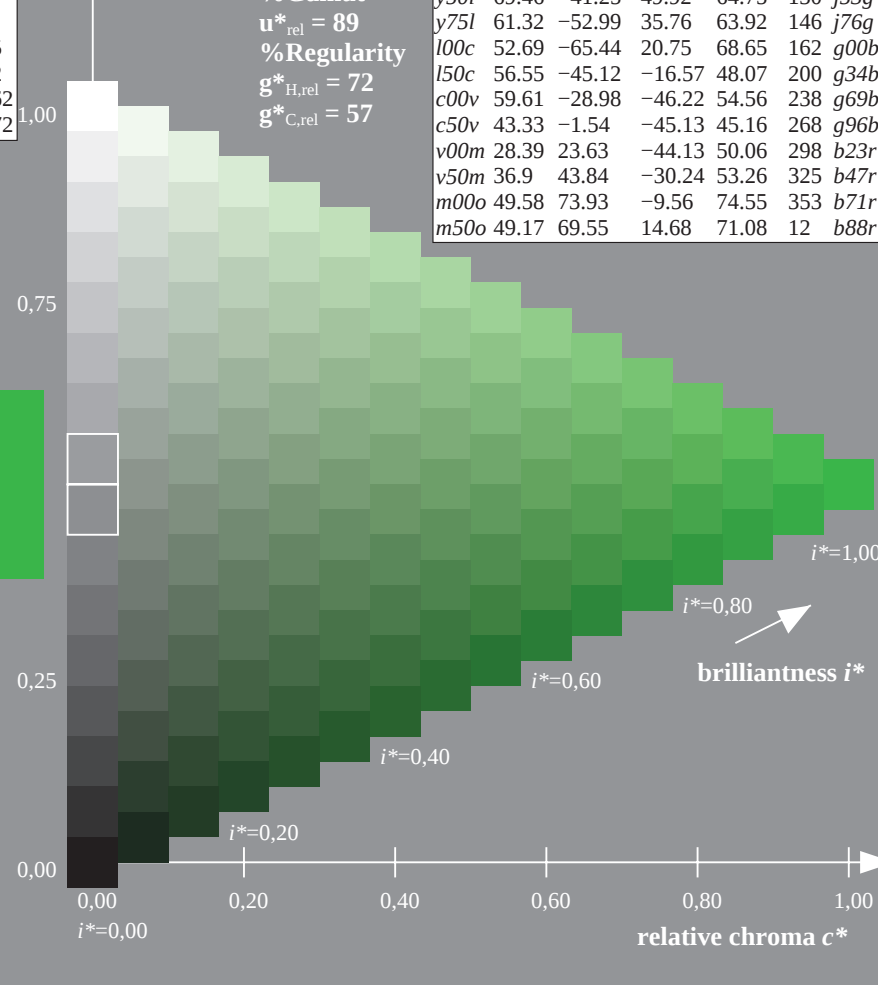
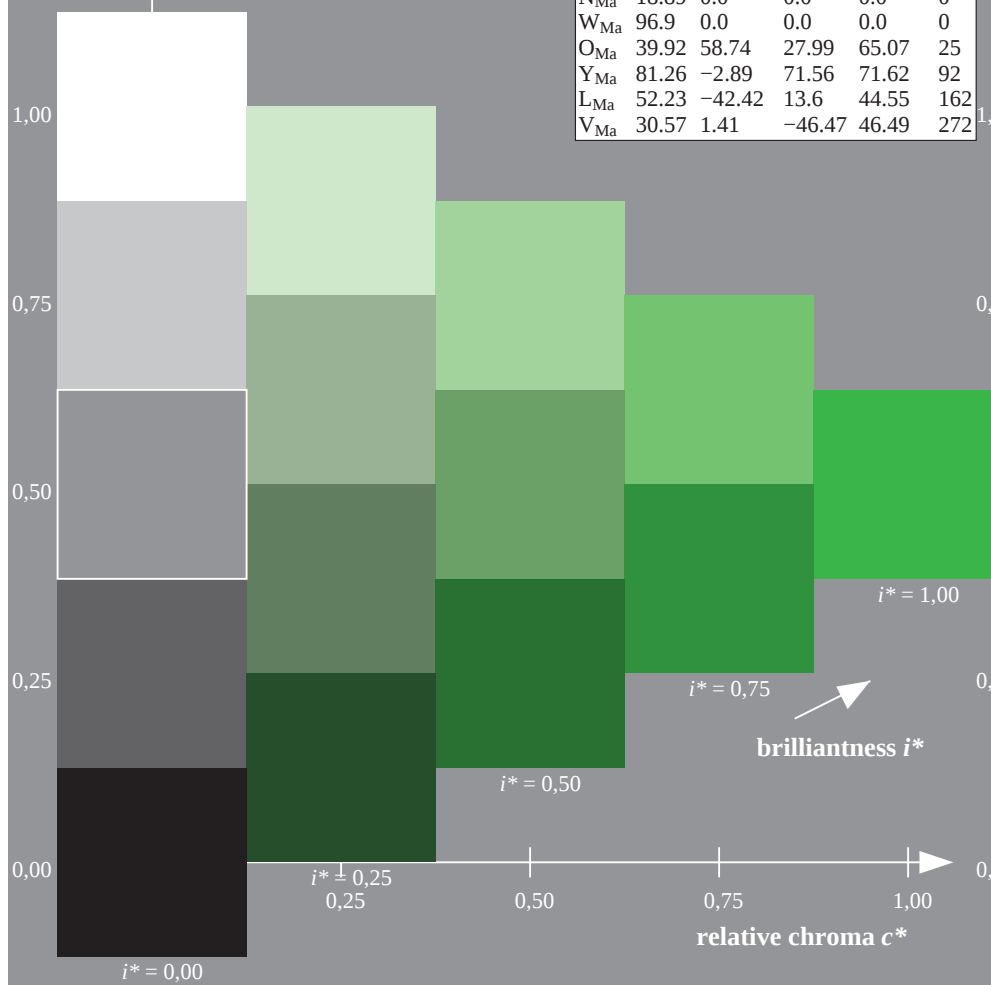
$u^*_{rel} = 89$

%Regularity

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

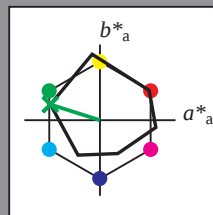
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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



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

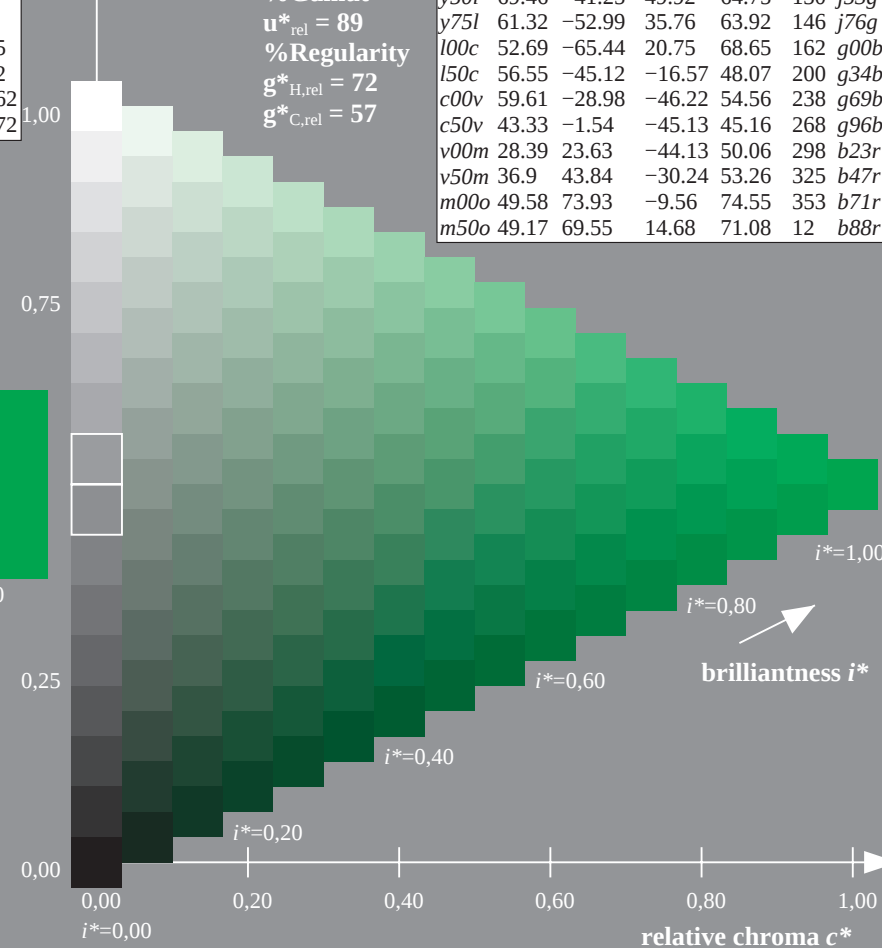
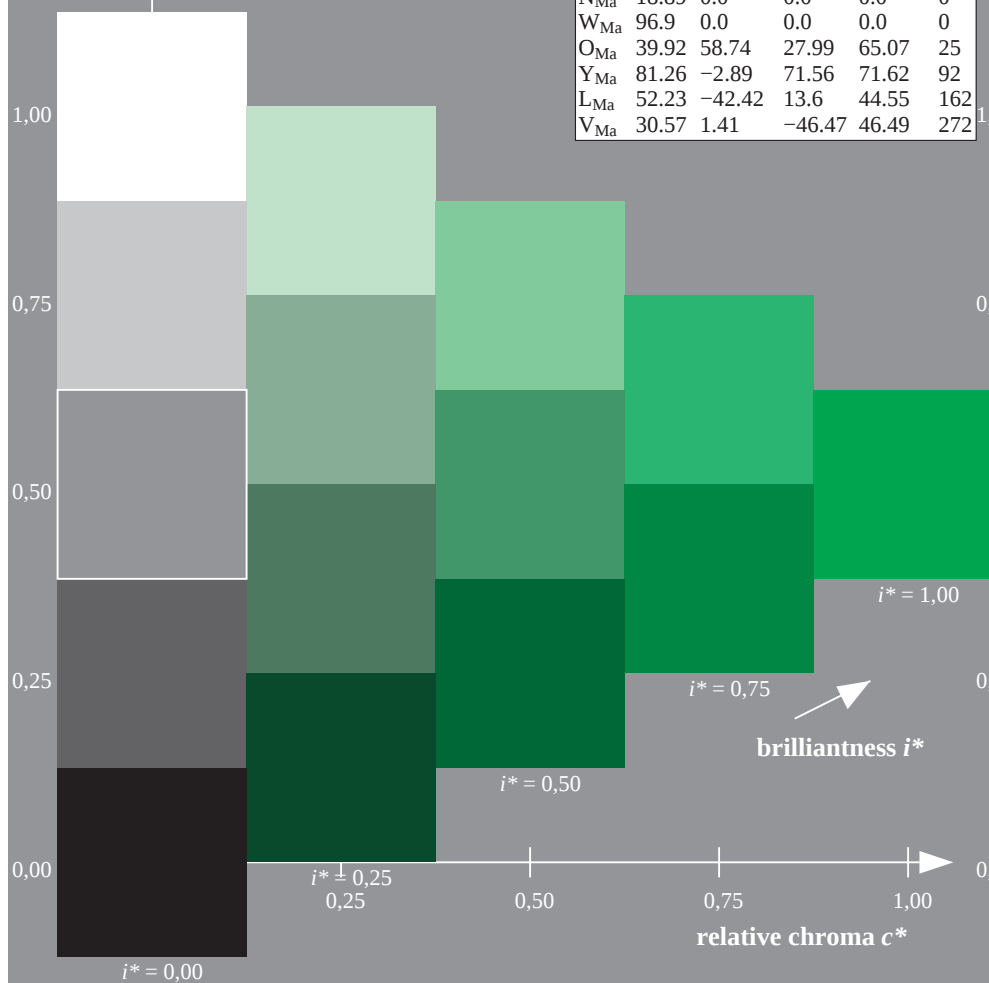
$u^*_{rel} = 89$

% Regularity

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

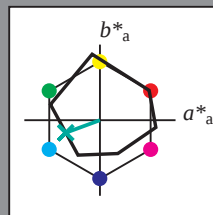
$g^*_{C,rel} = 57$

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



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

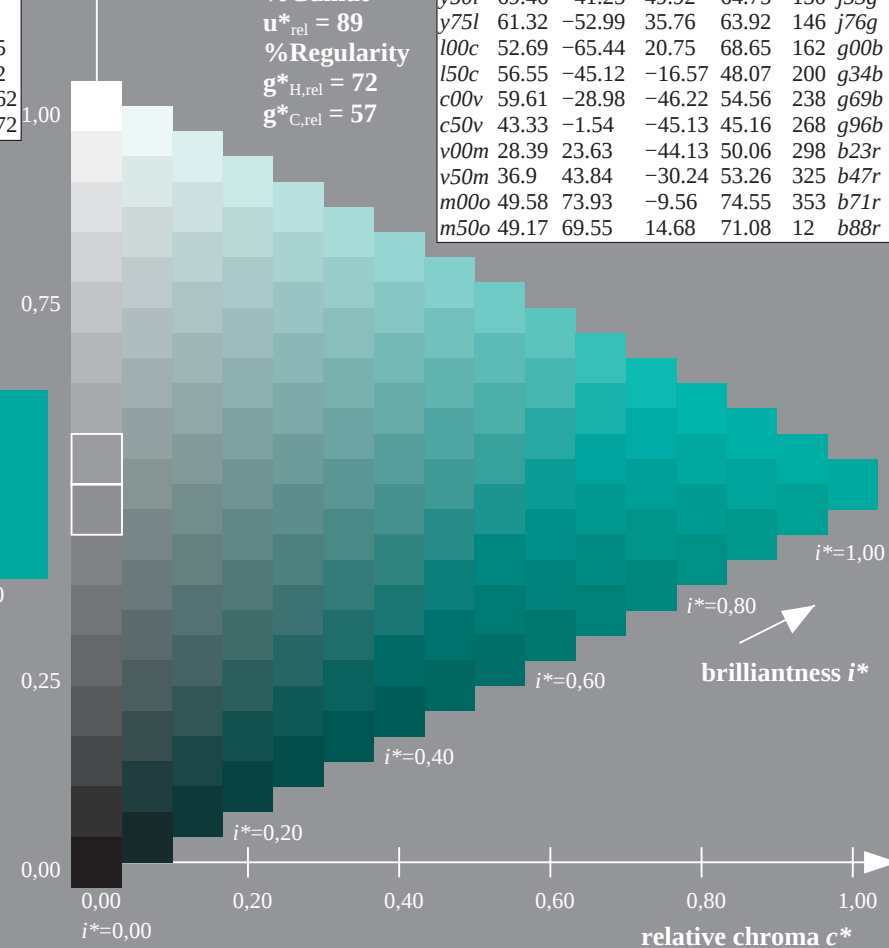
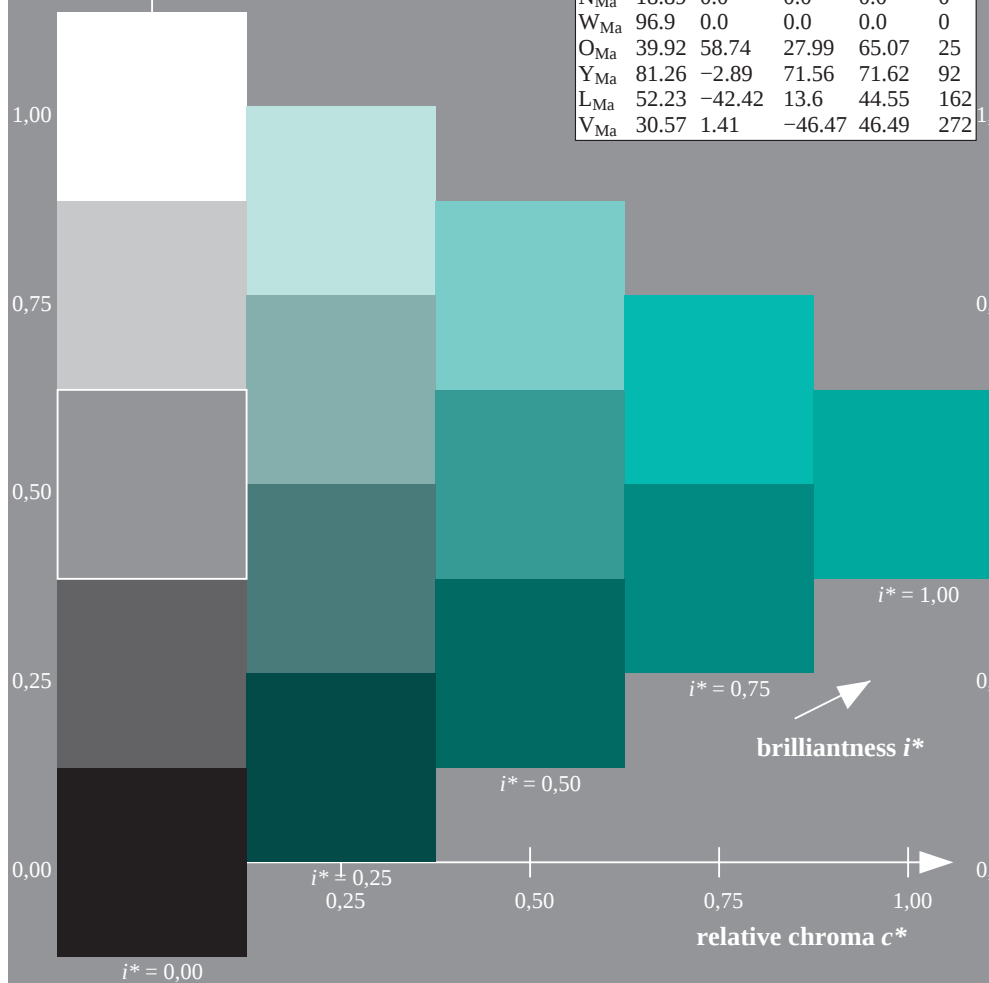
$u^*_{rel} = 89$

% Regularity

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

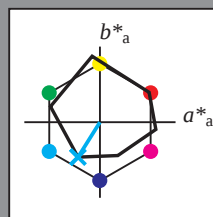
$g^*_{C,rel} = 57$

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

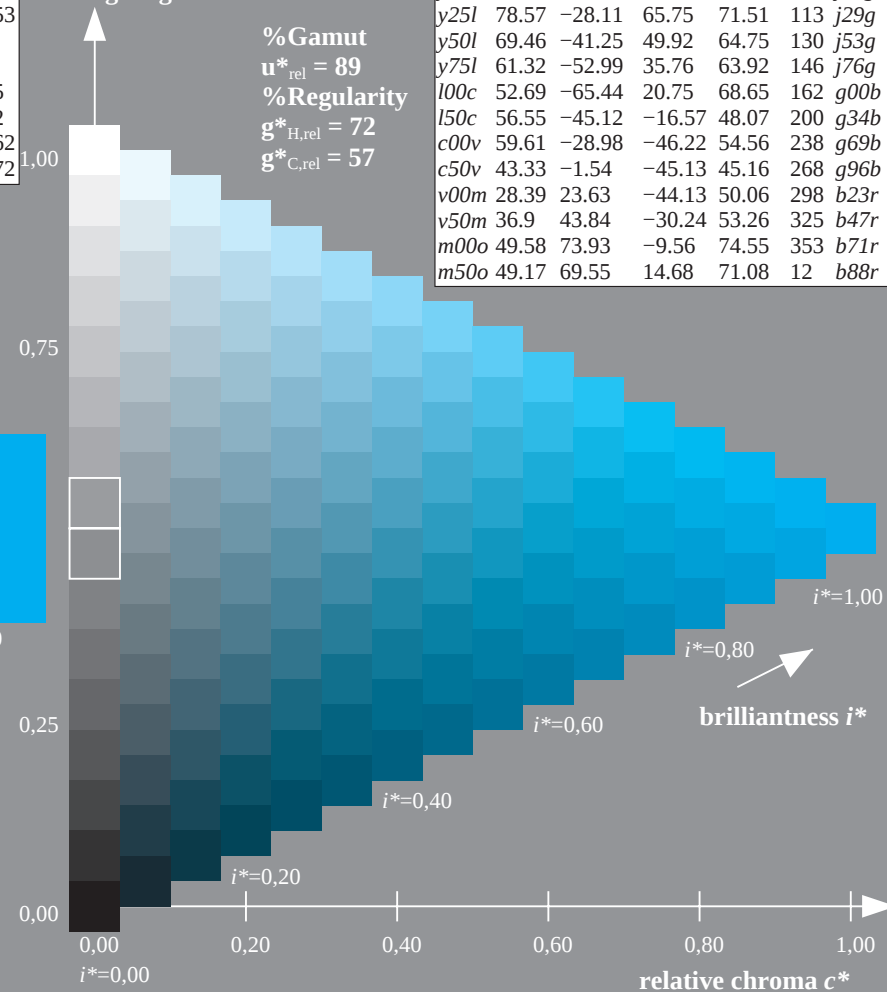
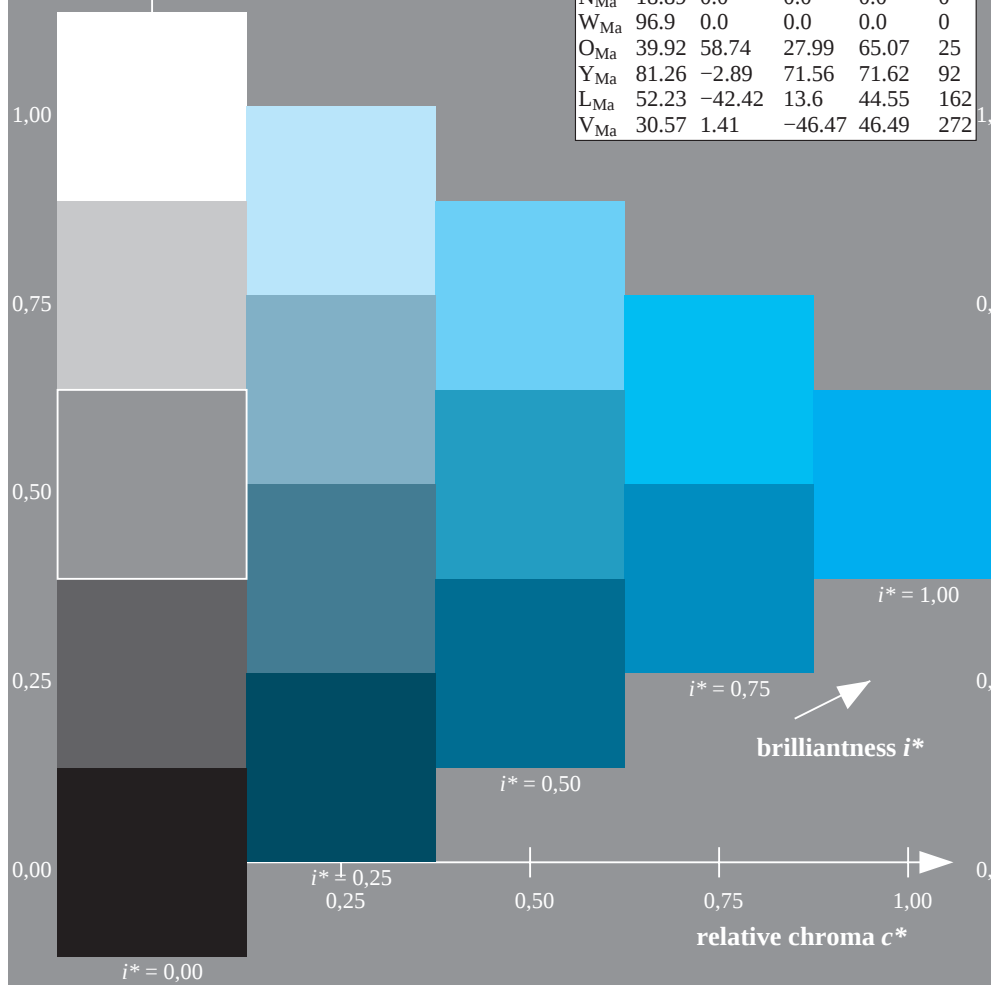
$u^*_{rel} = 89$

%Regularity

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

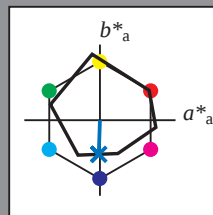
$g^*_{C,rel} = 57$

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

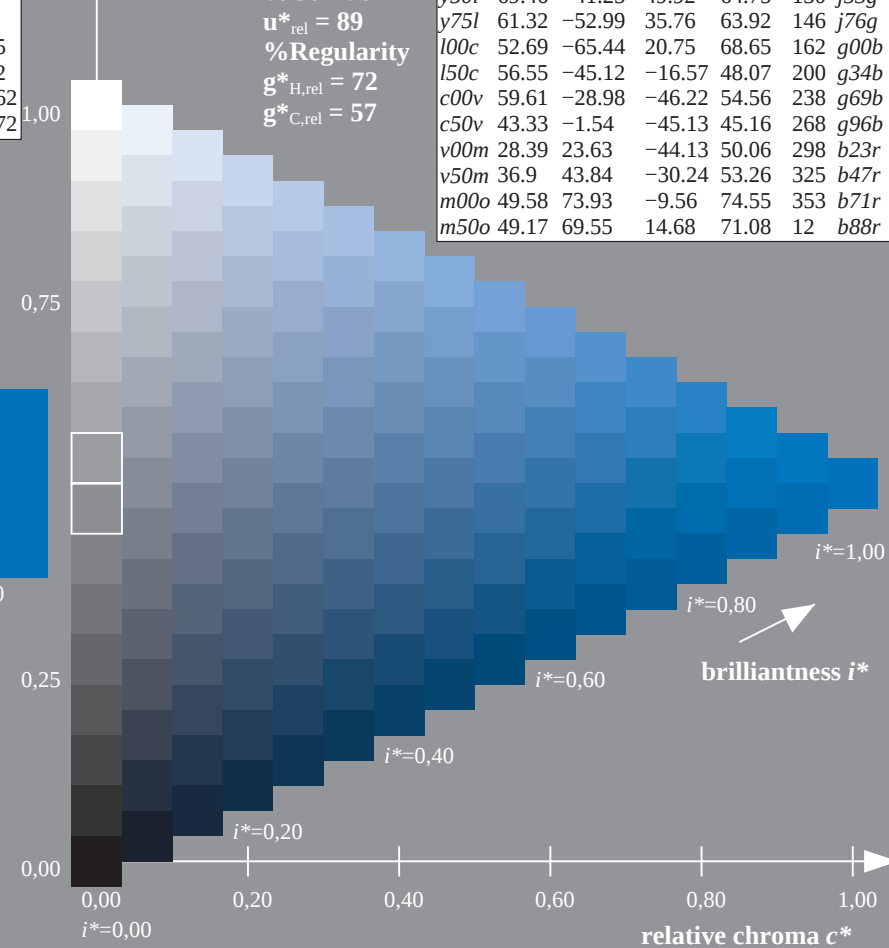
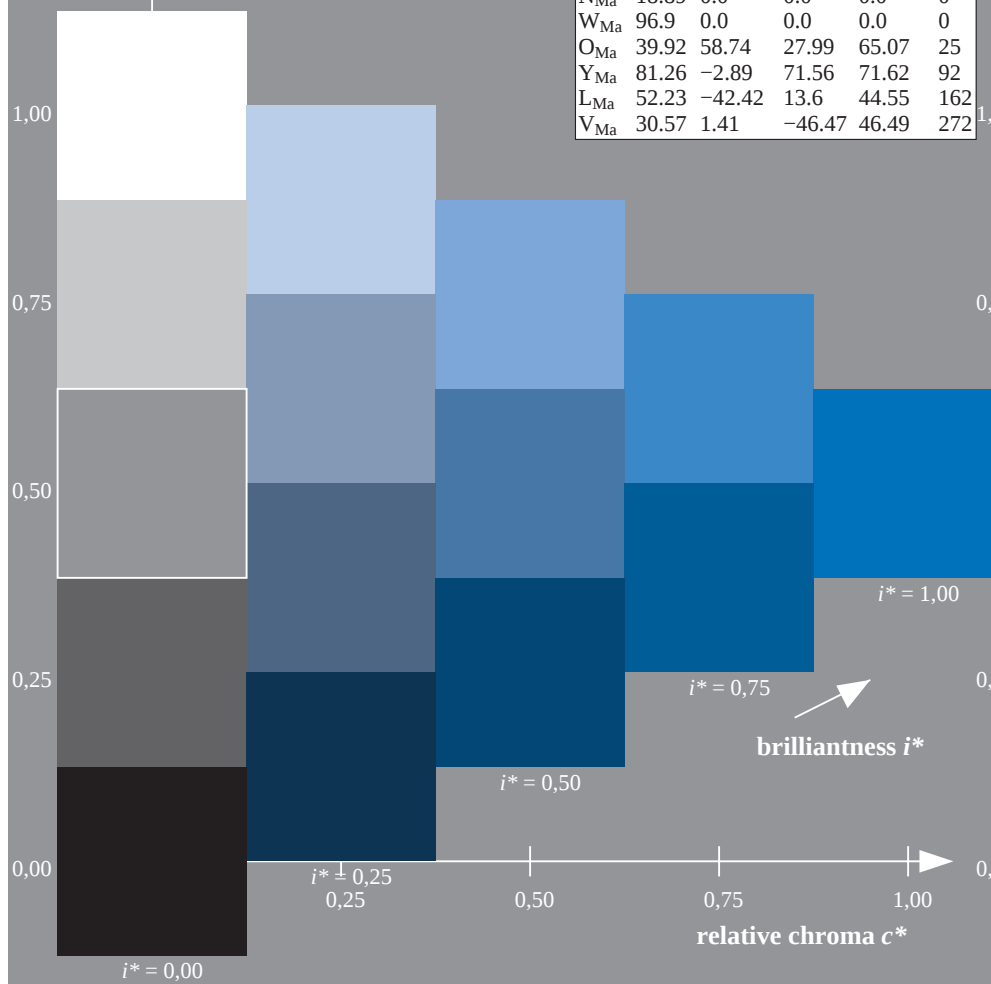
$u^*_{rel} = 89$

% 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



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^*

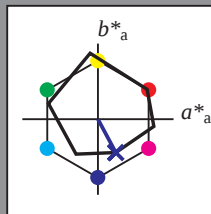
Hue texts:

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

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

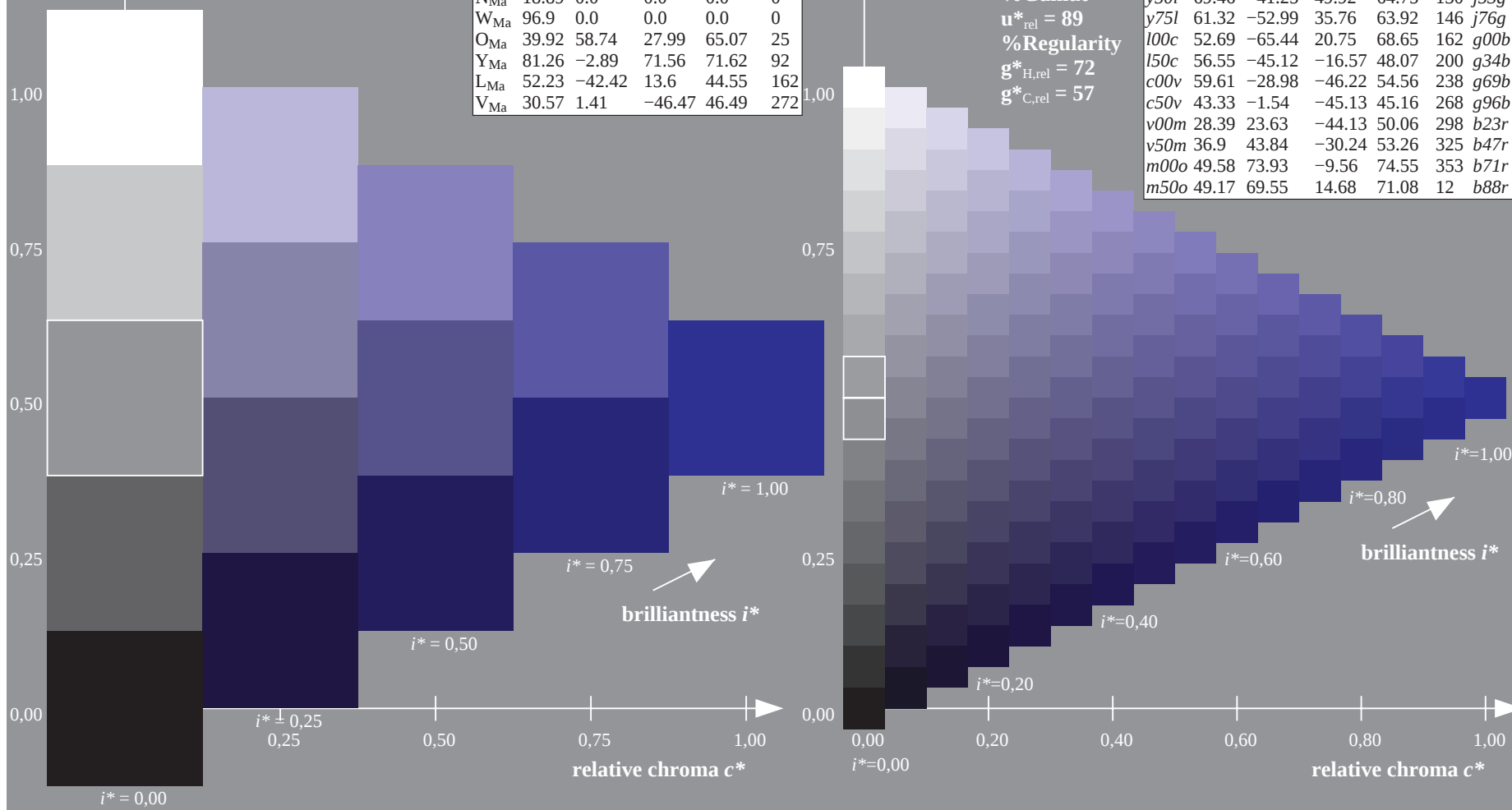
$g^*_{H,rel} = 72$

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

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^*

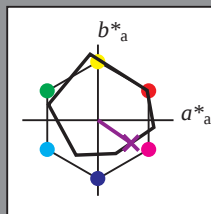
Hue texts:

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

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

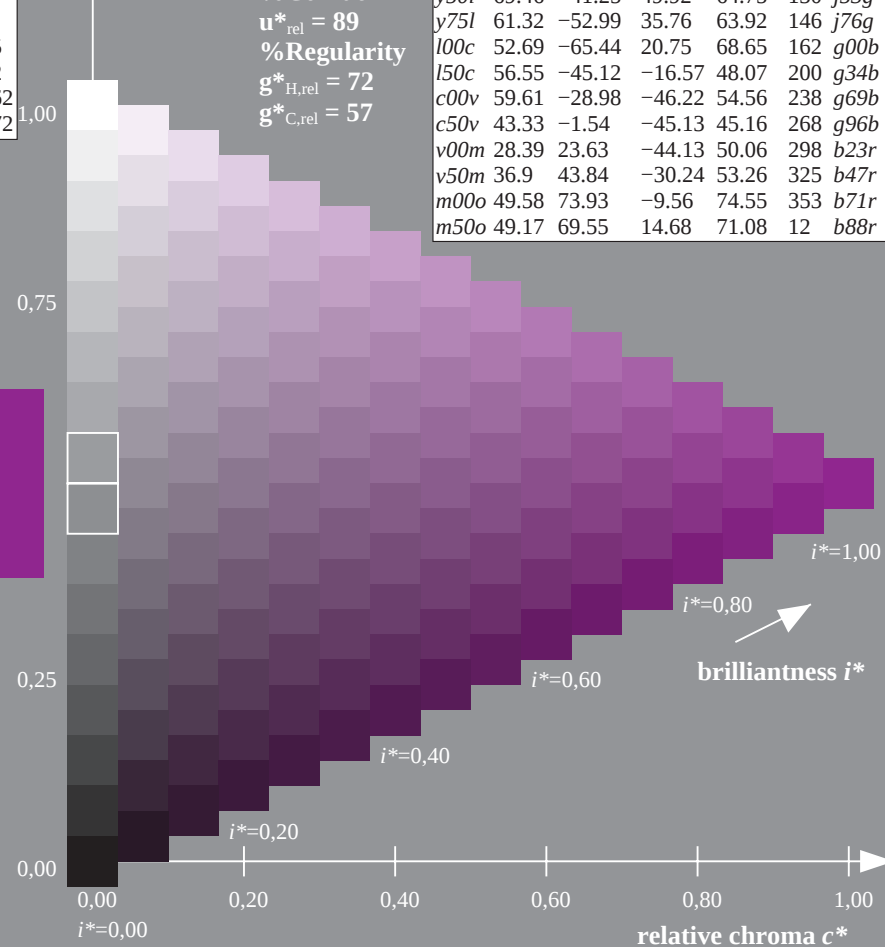
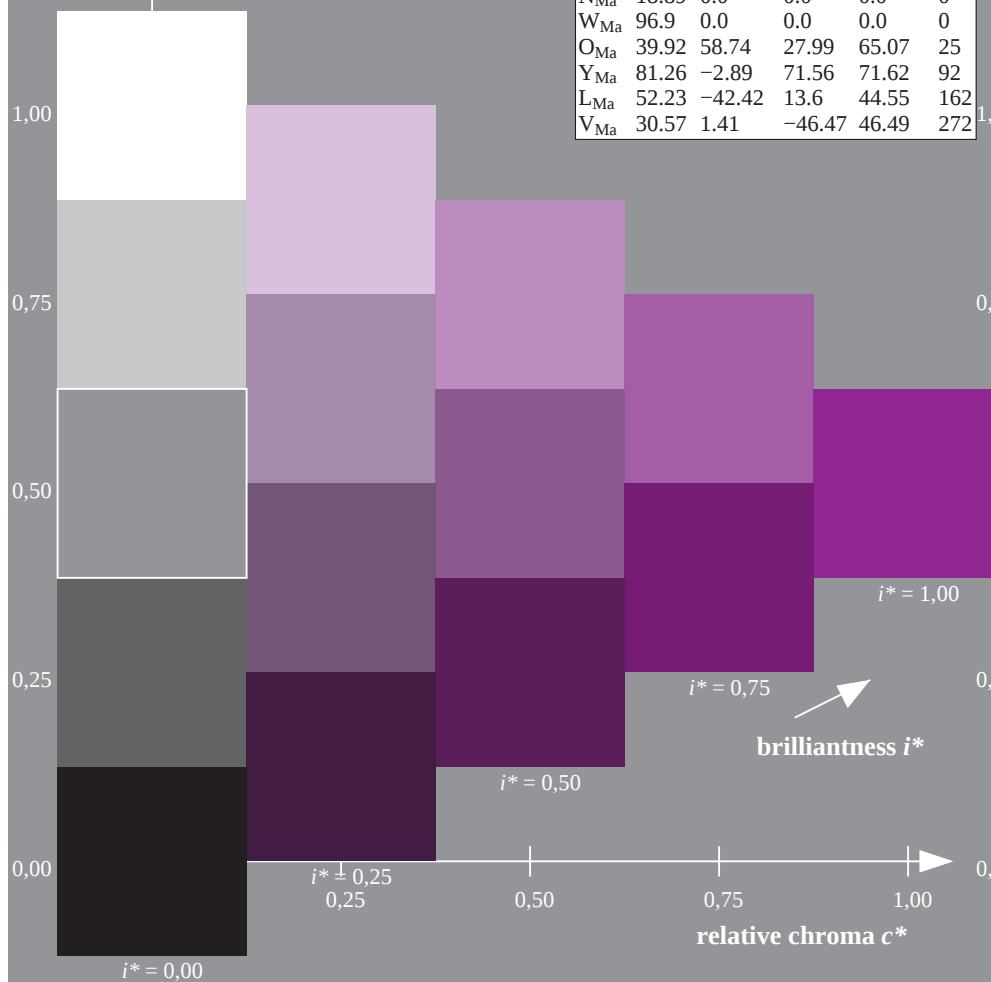
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

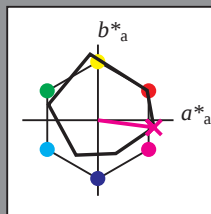
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	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

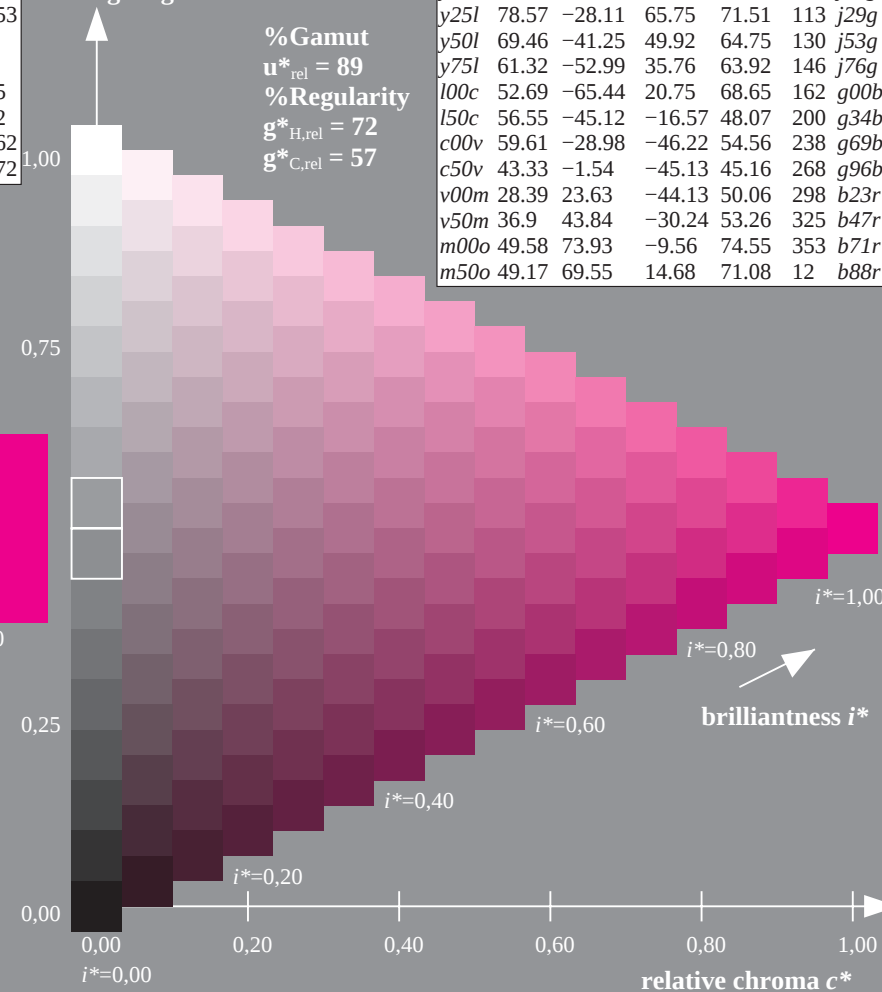
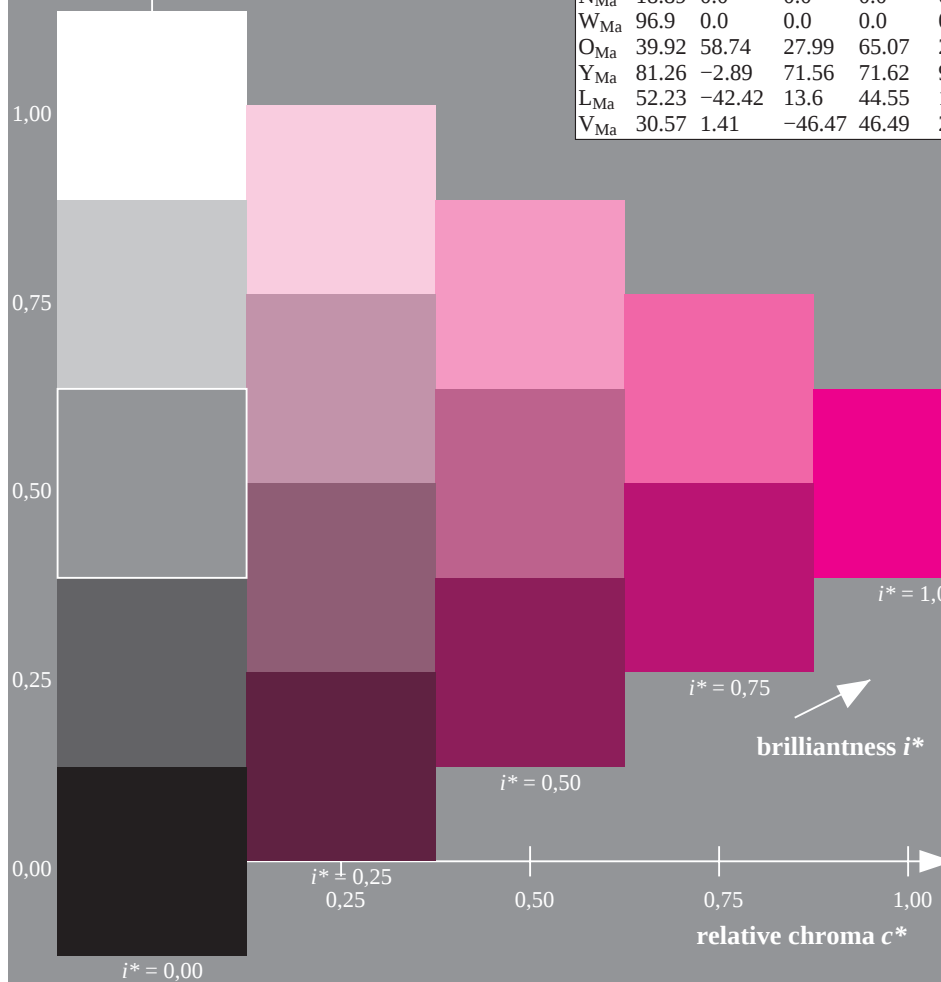
$u^*_{rel} = 89$

% Regularity

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

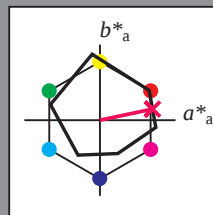
$g^*_{C,rel} = 57$

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

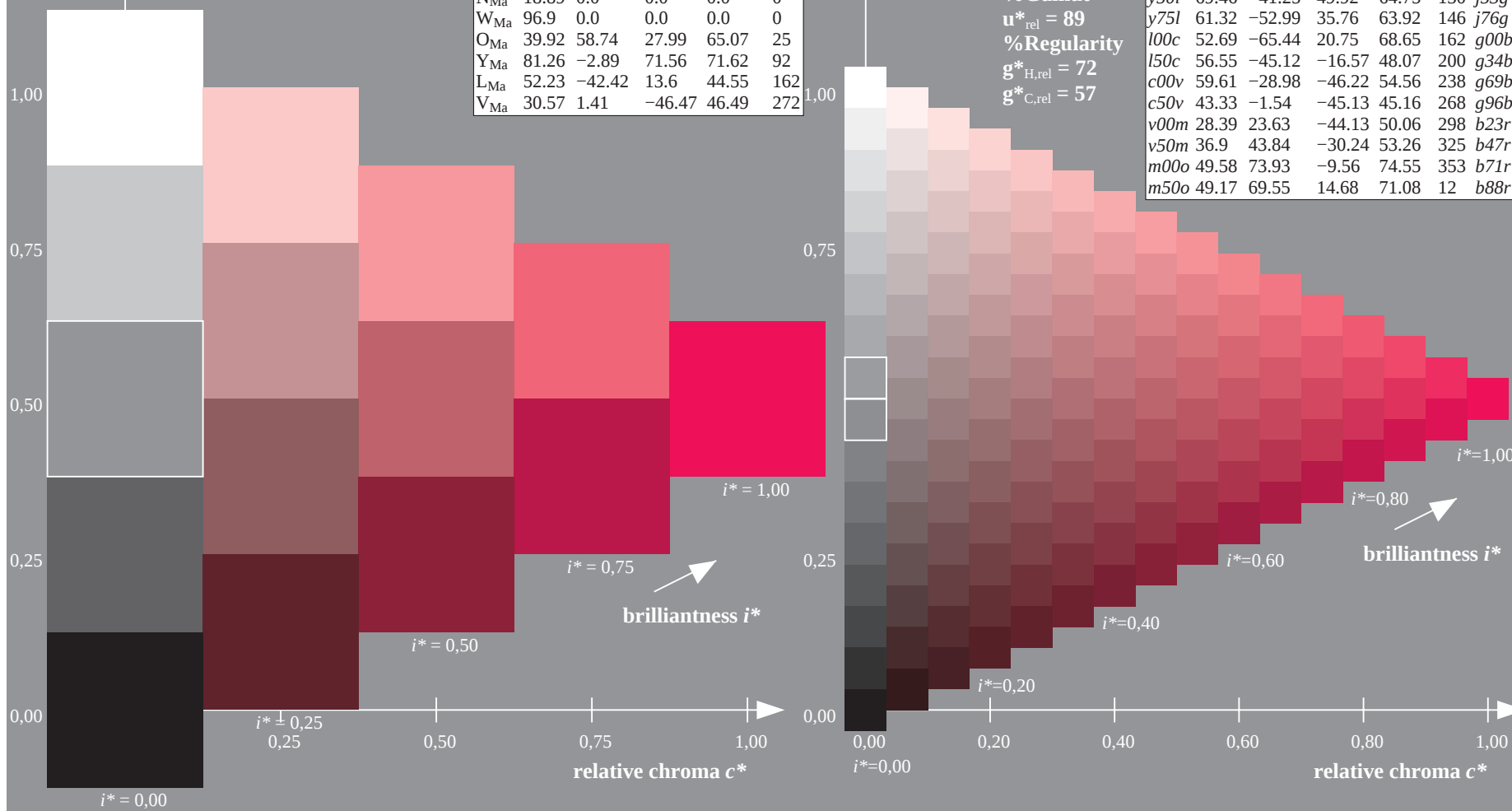
$u^*_{rel} = 89$

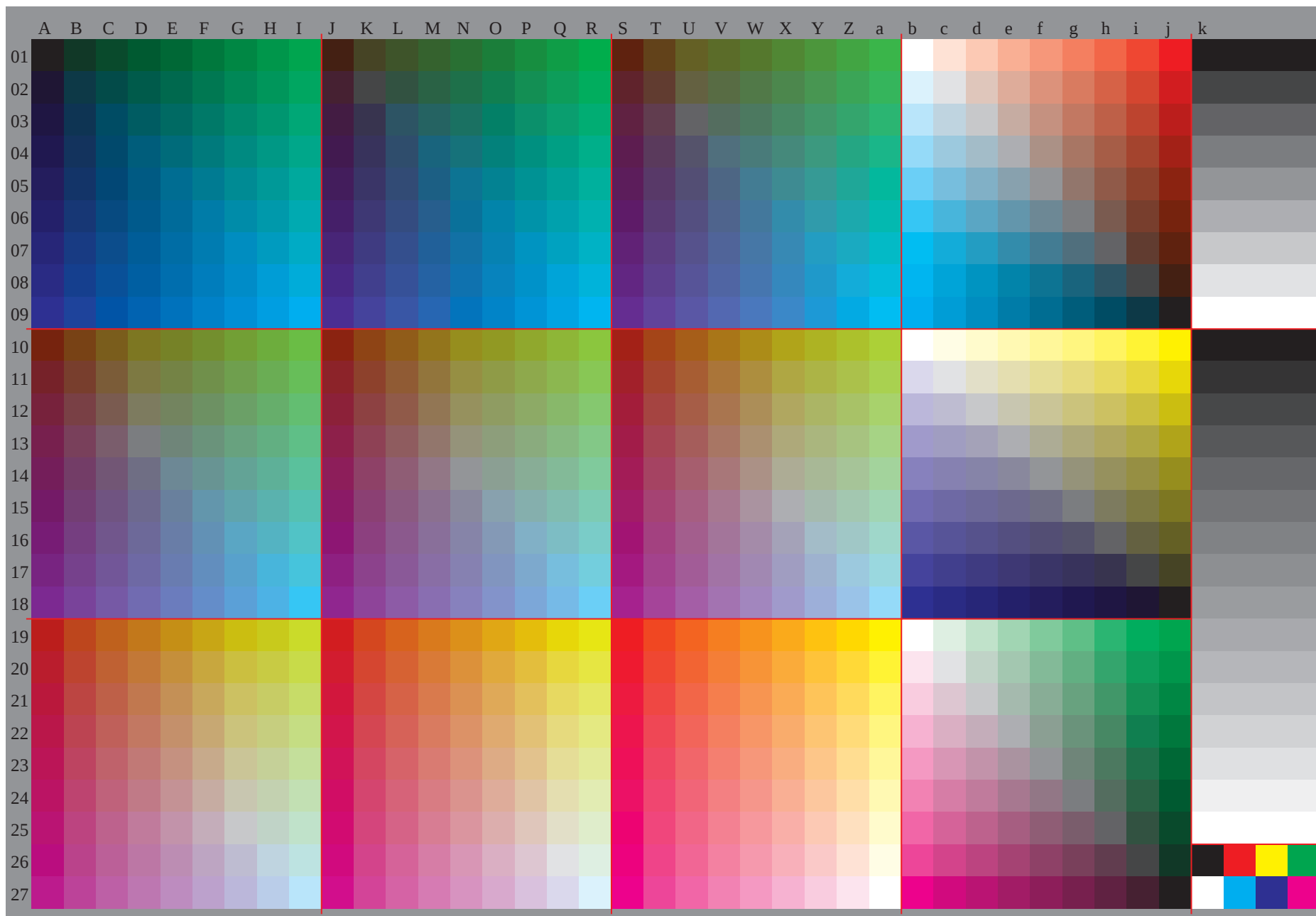
% Regularity

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

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

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





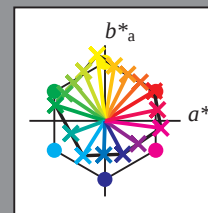
See for similar files: <http://www.ps.bam.de/Ee68/>; www.ps.bam.de/Ee68/10L/L68E00NA.PS/.TXT
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=1

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

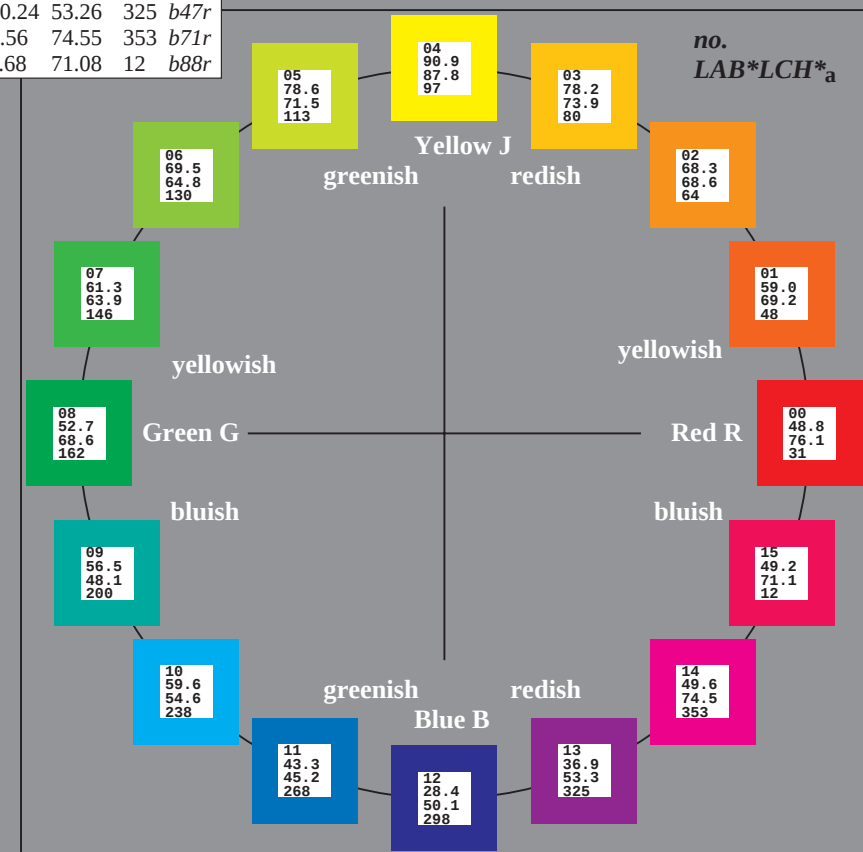
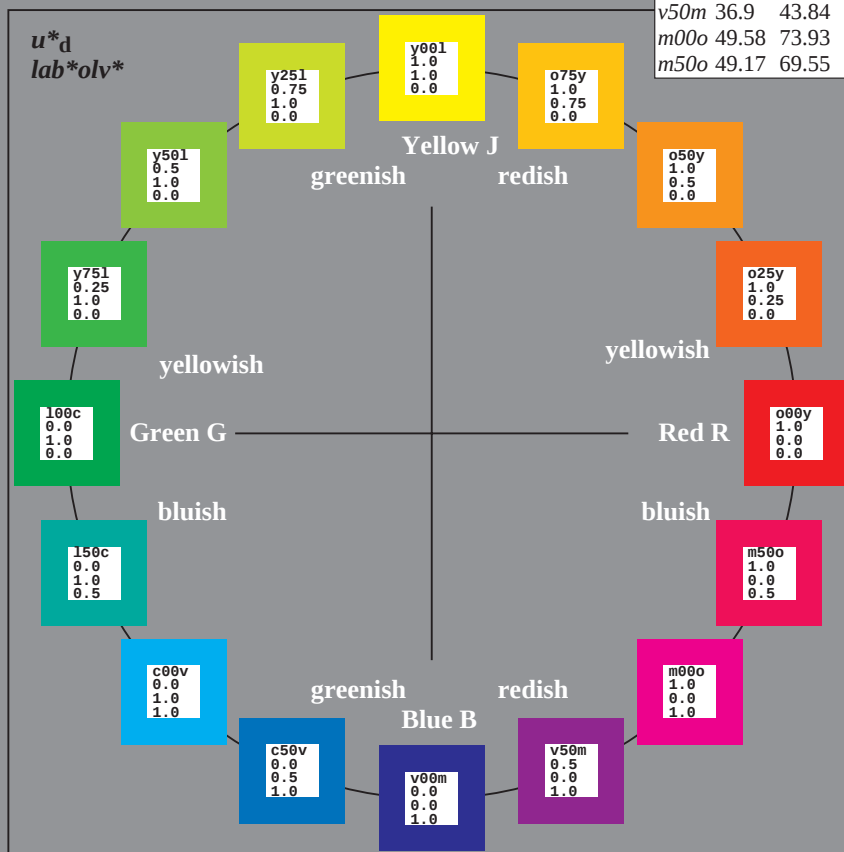
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	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	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^*

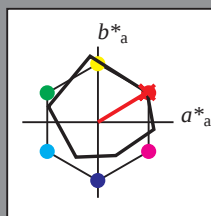
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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	$b88r$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

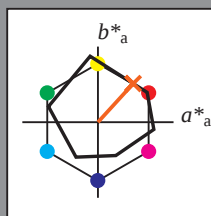
Hue texts:

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

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	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

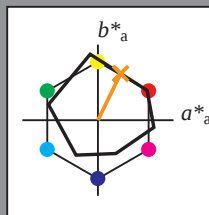
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

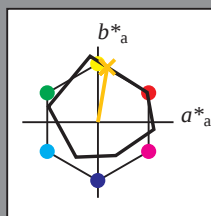
Hue texts:

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

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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

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^*

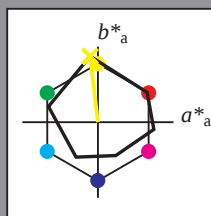
Hue texts:

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

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

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^*

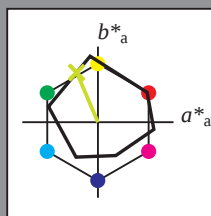
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

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^*

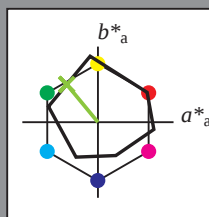
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

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

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

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

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

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

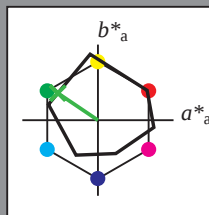
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

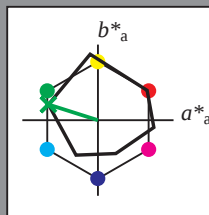
Hue texts:

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

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):

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

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

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

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

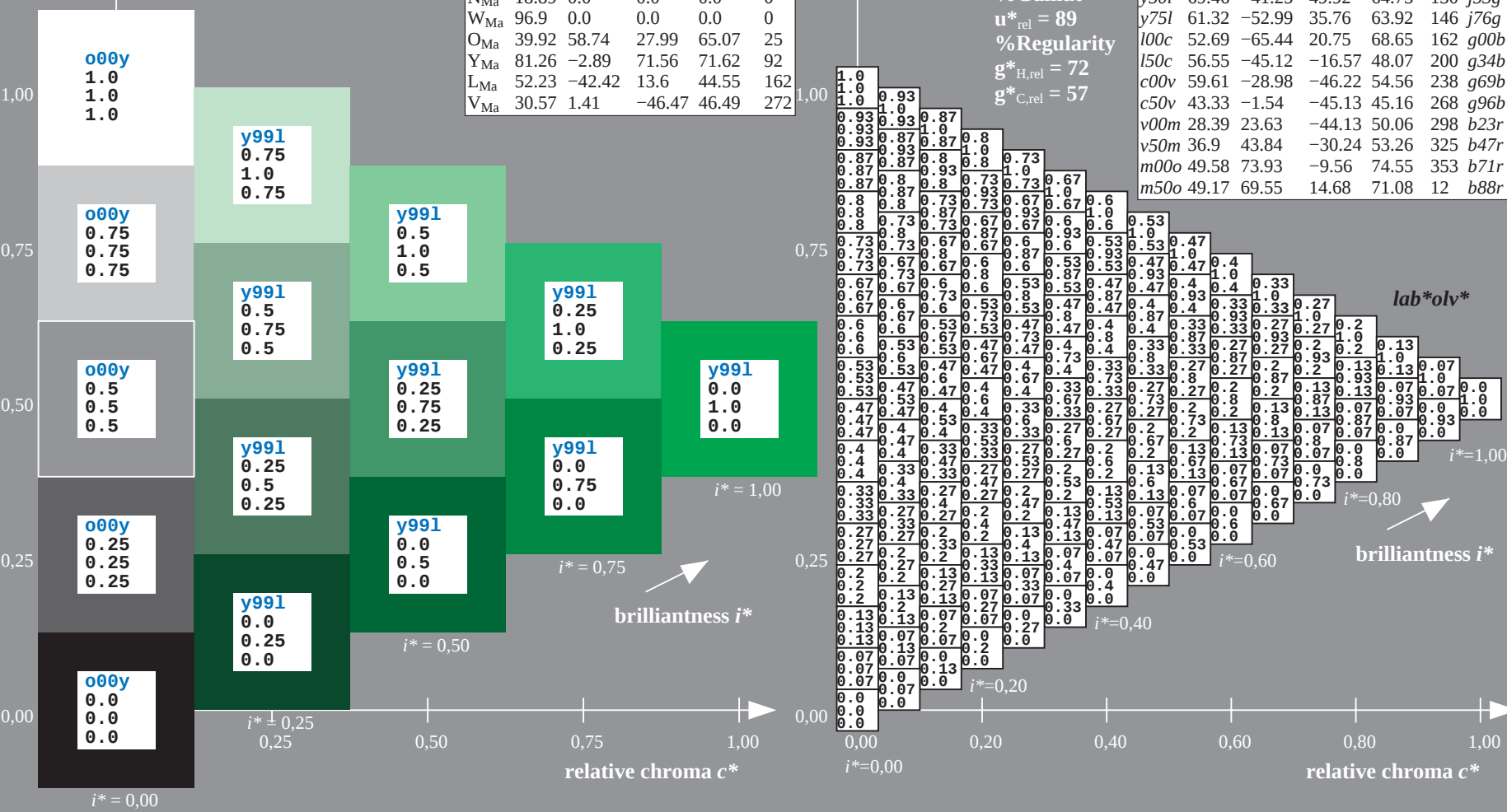
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	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

lab^*olv^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*



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^*

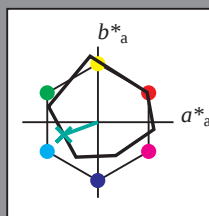
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

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

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

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

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^*olv^*

$i^* = 1.00$

brilliantness i^*

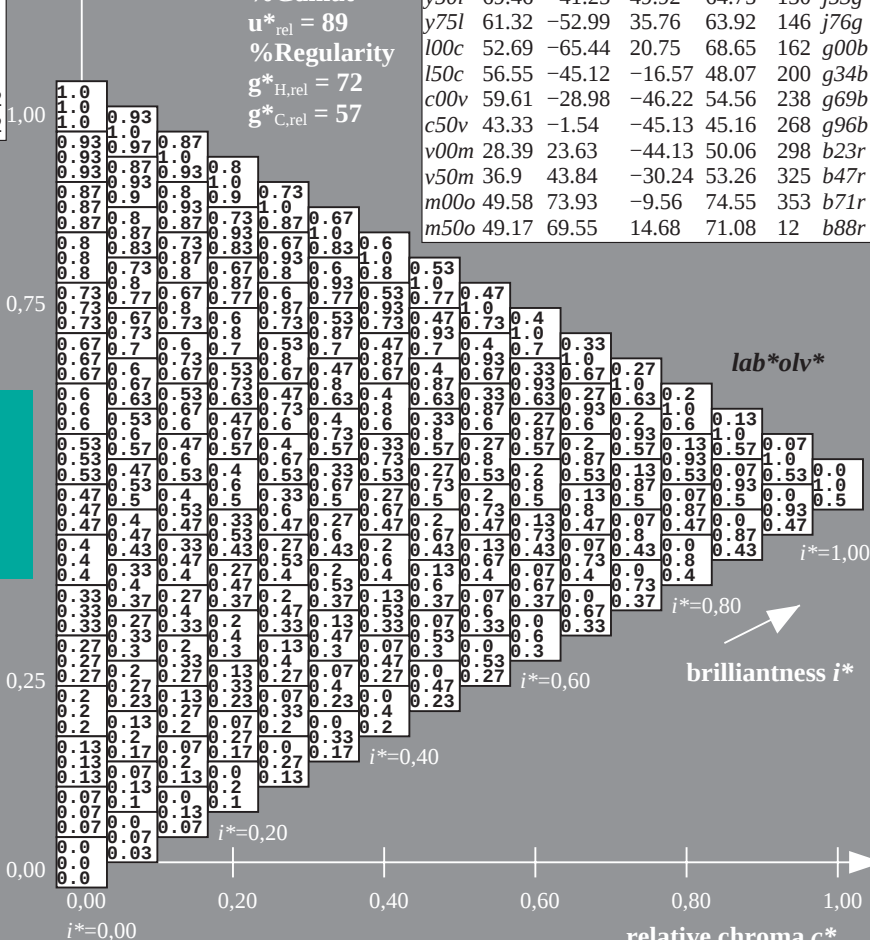
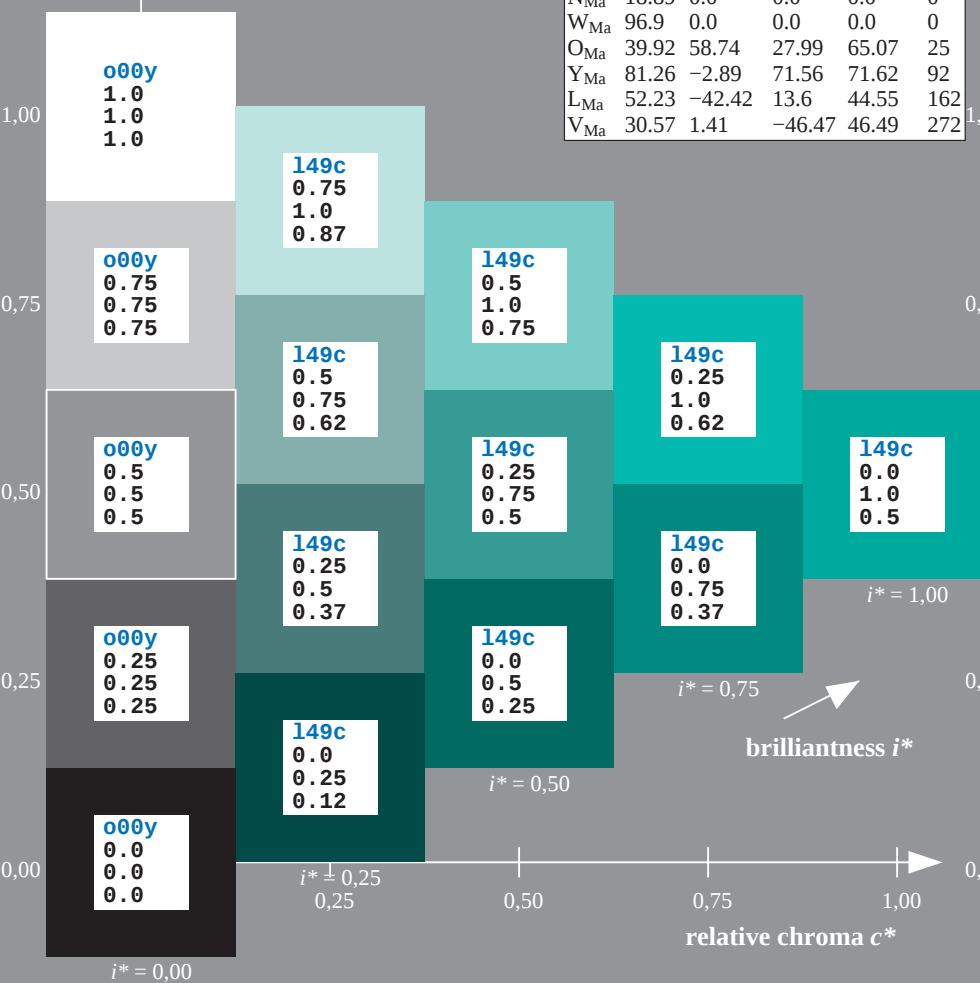
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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

data for any colour:

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

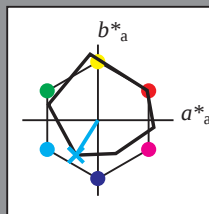
Hue texts:

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

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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

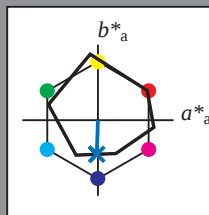
Hue texts:

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

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

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^*

$i^* = 0.00$

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^*

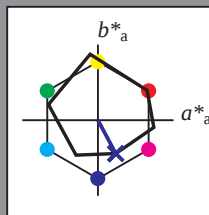
Hue texts:

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

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

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

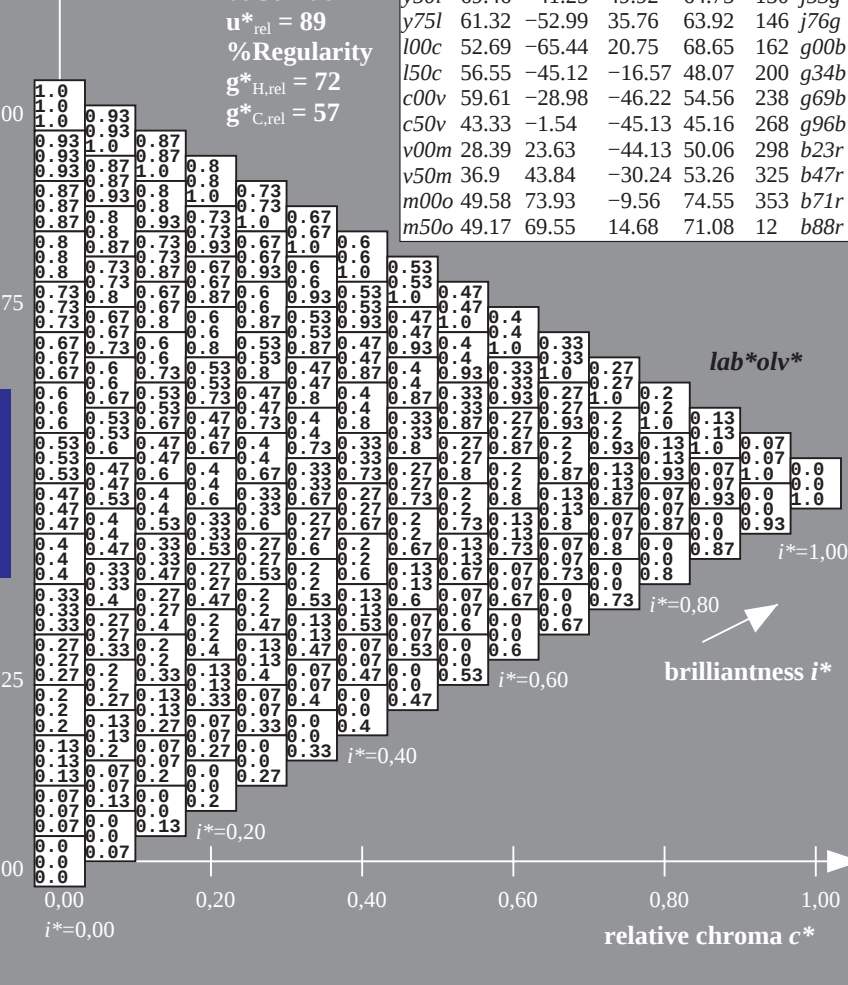
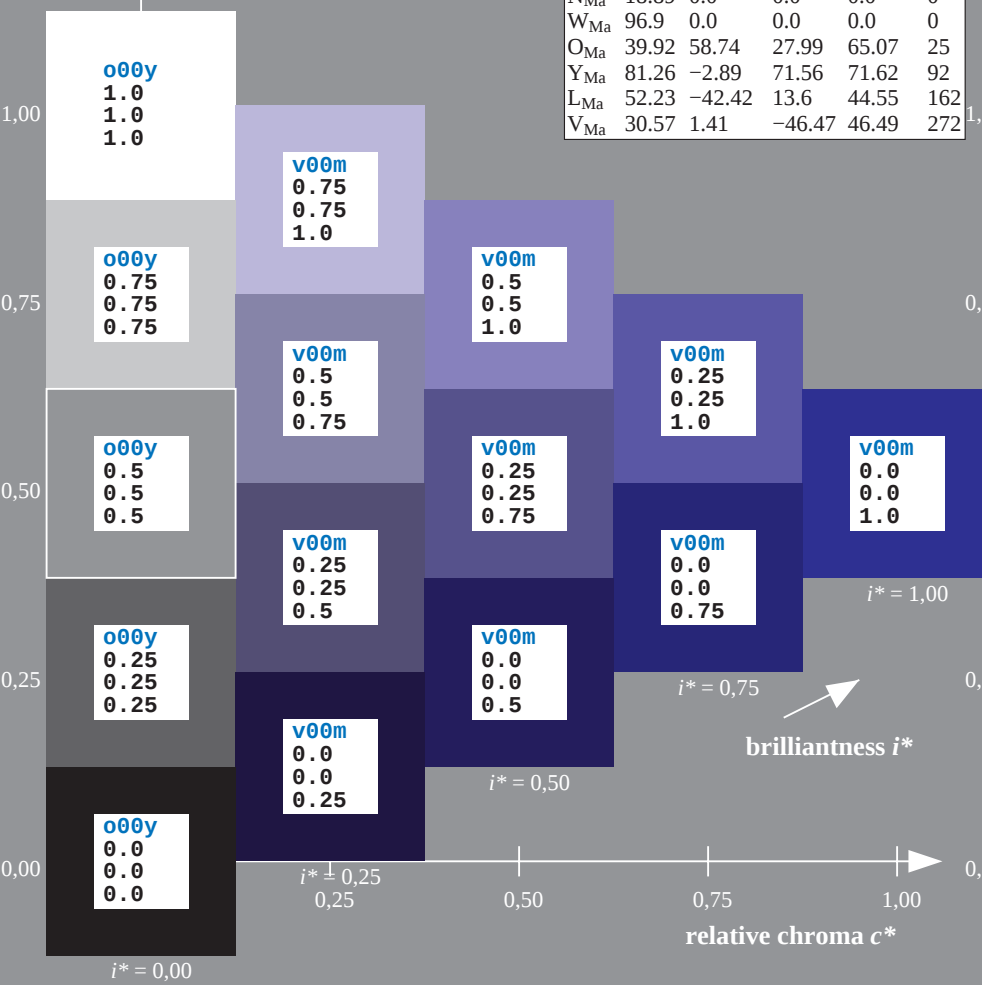
$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$



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

data for any colour:

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

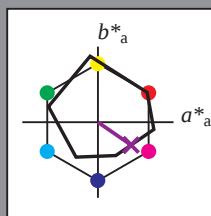
Hue texts:

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

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^*

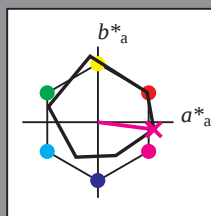
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$LAB^*LAB^*_{Ma}$: 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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

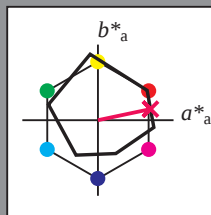
Hue texts:

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

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

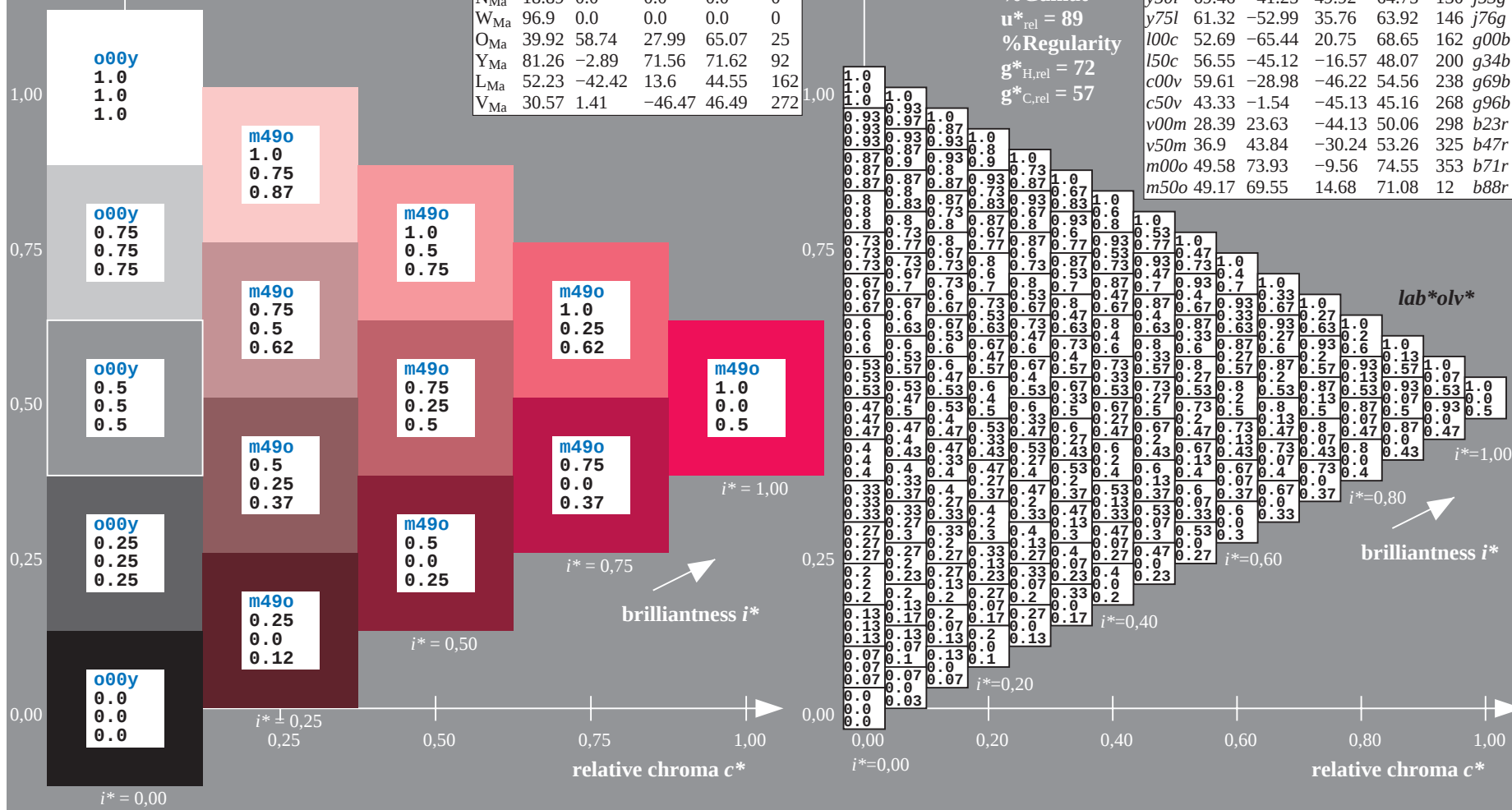
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_d = m50o$
 lab^*olv^*



	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	0.0	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	0.12	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	1.0	1.0	1.0	1.0	1.0	1.0	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	0.0	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	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	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	0.0	0.0	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	0.12	0.13	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	0.88	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			
	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	0.13	0.13	0.12	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
03	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	0.13	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	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
	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	0.0	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	0.25	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	0.25	0.25	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
04	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	0.13	0.25	0.25	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63			
	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	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		
	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.37	0.38	0.38	0.38	0.38	0.37	0.37	0.37	0.37	0.38	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		
05	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	0.13	0.25	0.25	0.25	0.25	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5		
	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	0.62	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	0.12	0.13	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	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38	0.38		
06	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	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	
	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.62	0.62	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	
07	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	0.13	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	0.25	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	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.88	1.0	1.0	0.87	0.75	0.62	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
	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	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	
08	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	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	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
	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.87	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	
09	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	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0.0	0.12	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	0.0	0.13	0.25	0.37	0.5	0.62	0.75	0.87	1.0	1.0	0.87	0.75	0.62	0.5	0.37	0.25	0.12	0.0	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	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		
10	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	0.5	0.5	0.5	0.5	0.5	0.63	0.63	0.63	0.63	0.63	0.62	0.62	0.62	0.62	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	0.12	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	0.0	0.12	0.25	0.37	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.																			

Input and output:

Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

device hue text:

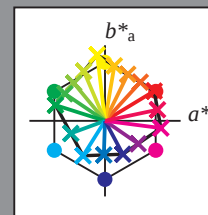
u^*_d = 16 hues $o00y$, $o25y$, ..., $m50o$

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

$u^*_{rel} = 89$

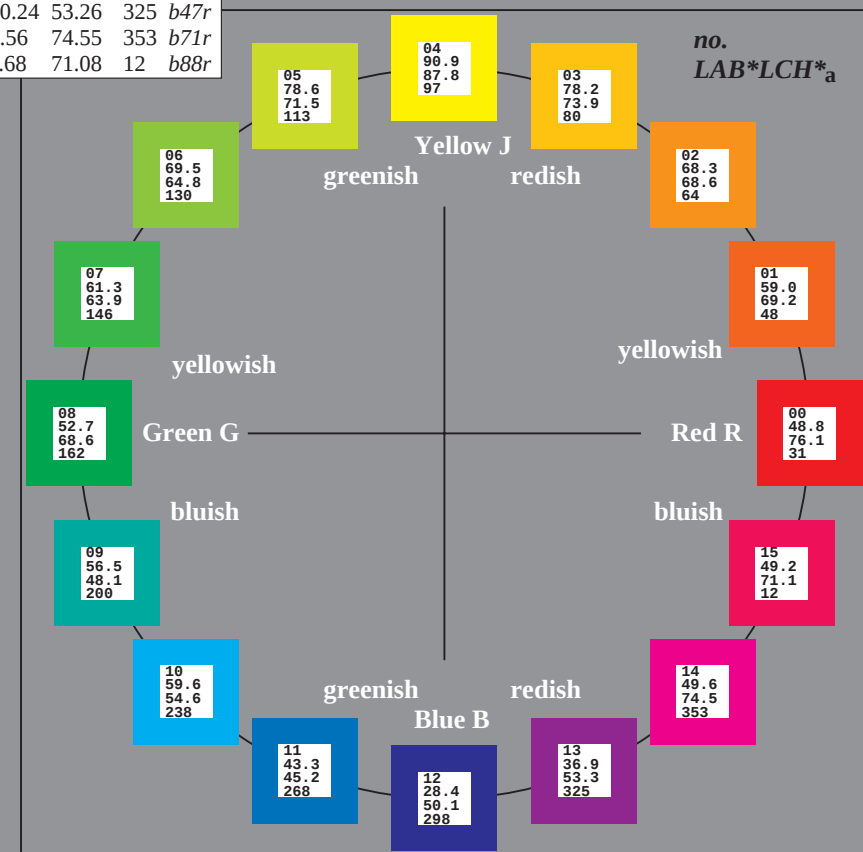
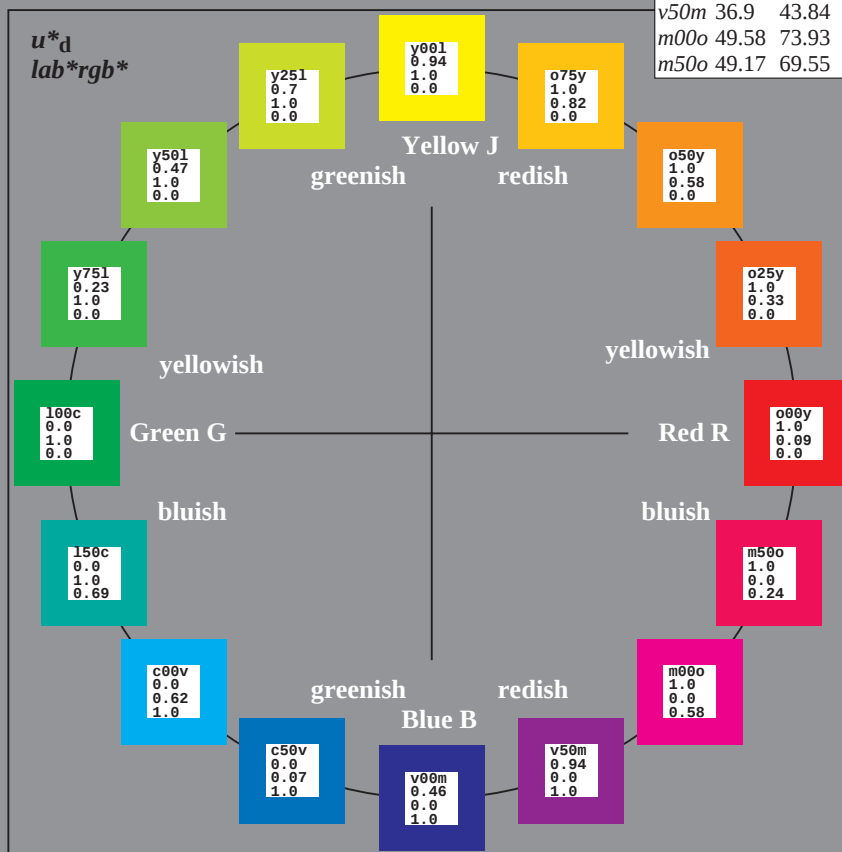
%Regularity

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

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

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	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^*

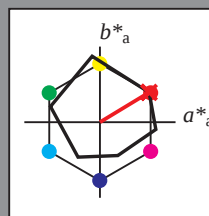
Hue texts:

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

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
$o00y$	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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

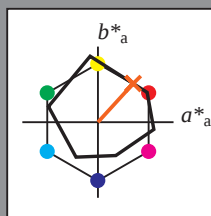
Hue texts:

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

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	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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

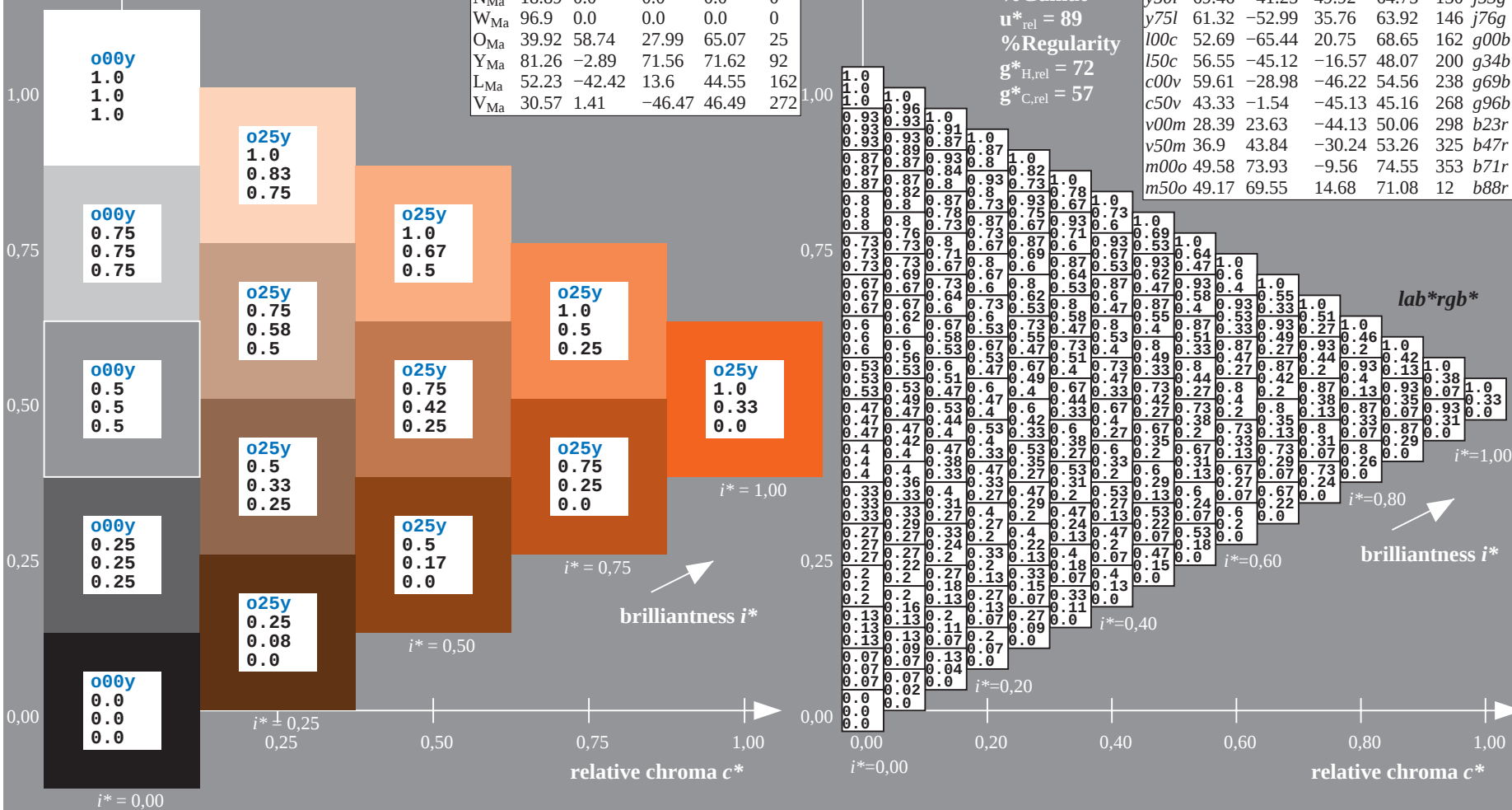
$u^*_{rel} = 89$

% 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



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^*

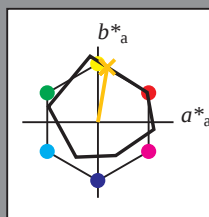
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

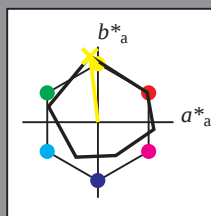
Hue texts:

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

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

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^*

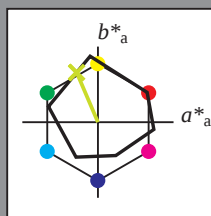
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

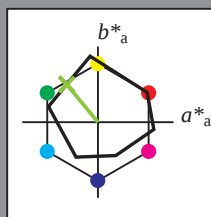
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

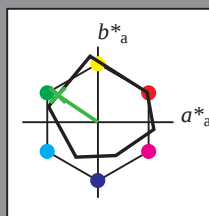
Hue texts:

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

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

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 $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

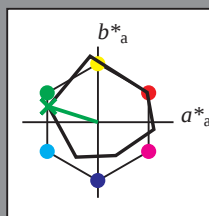
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

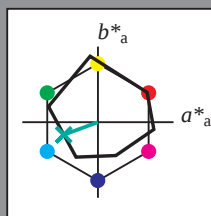
Hue texts:

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

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):

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

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

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

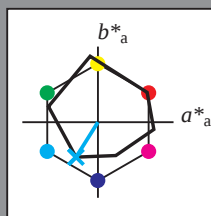
Hue texts:

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

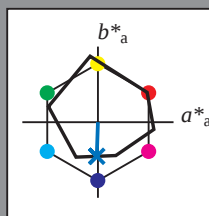
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

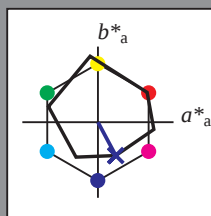
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

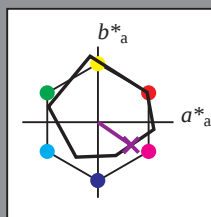
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

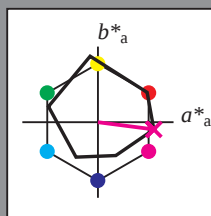
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

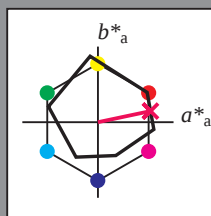
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

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^*

BAM registration: 20081001-Ee68/10L/L68E00NA.PS/.TXT BAM material: code=rh4ta application for evaluation and measurement of printer or monitor systems

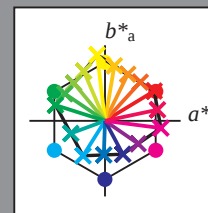
BAM registration: 20081001-Ee6810/L/68E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

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

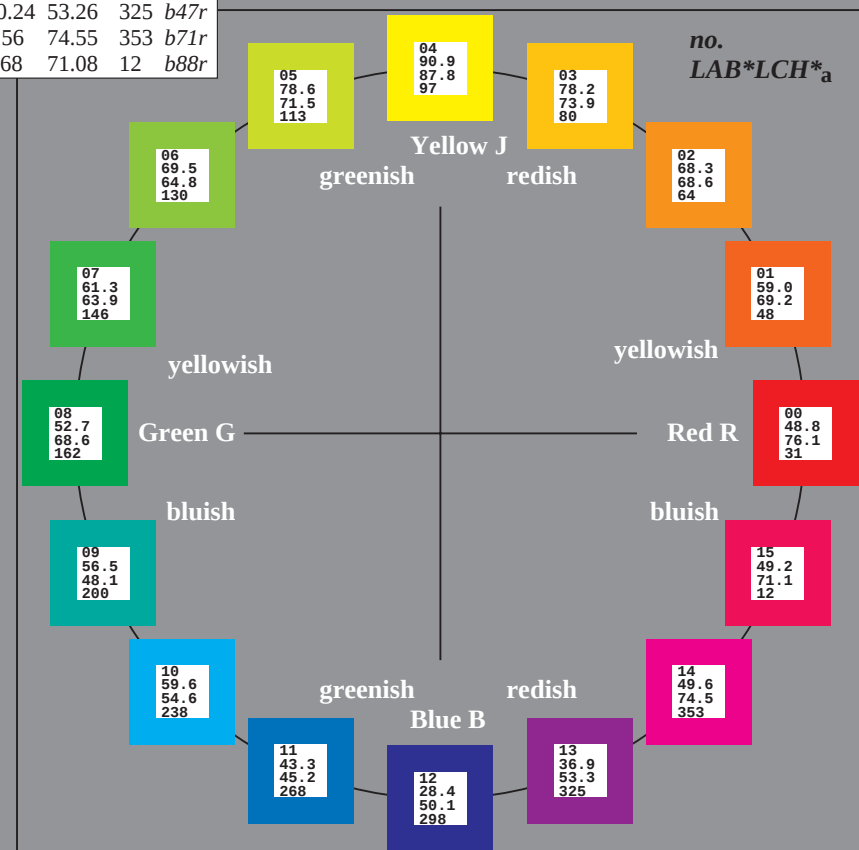
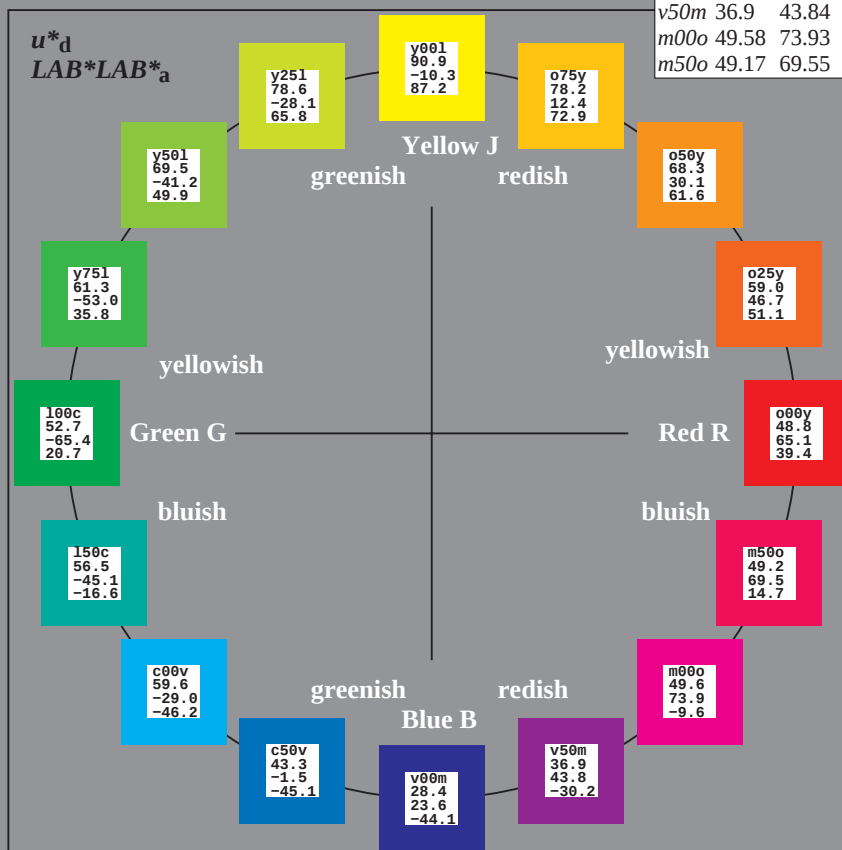
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	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^*

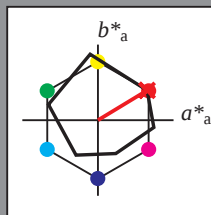
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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>

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

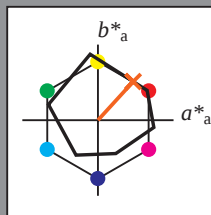
Hue texts:

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

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

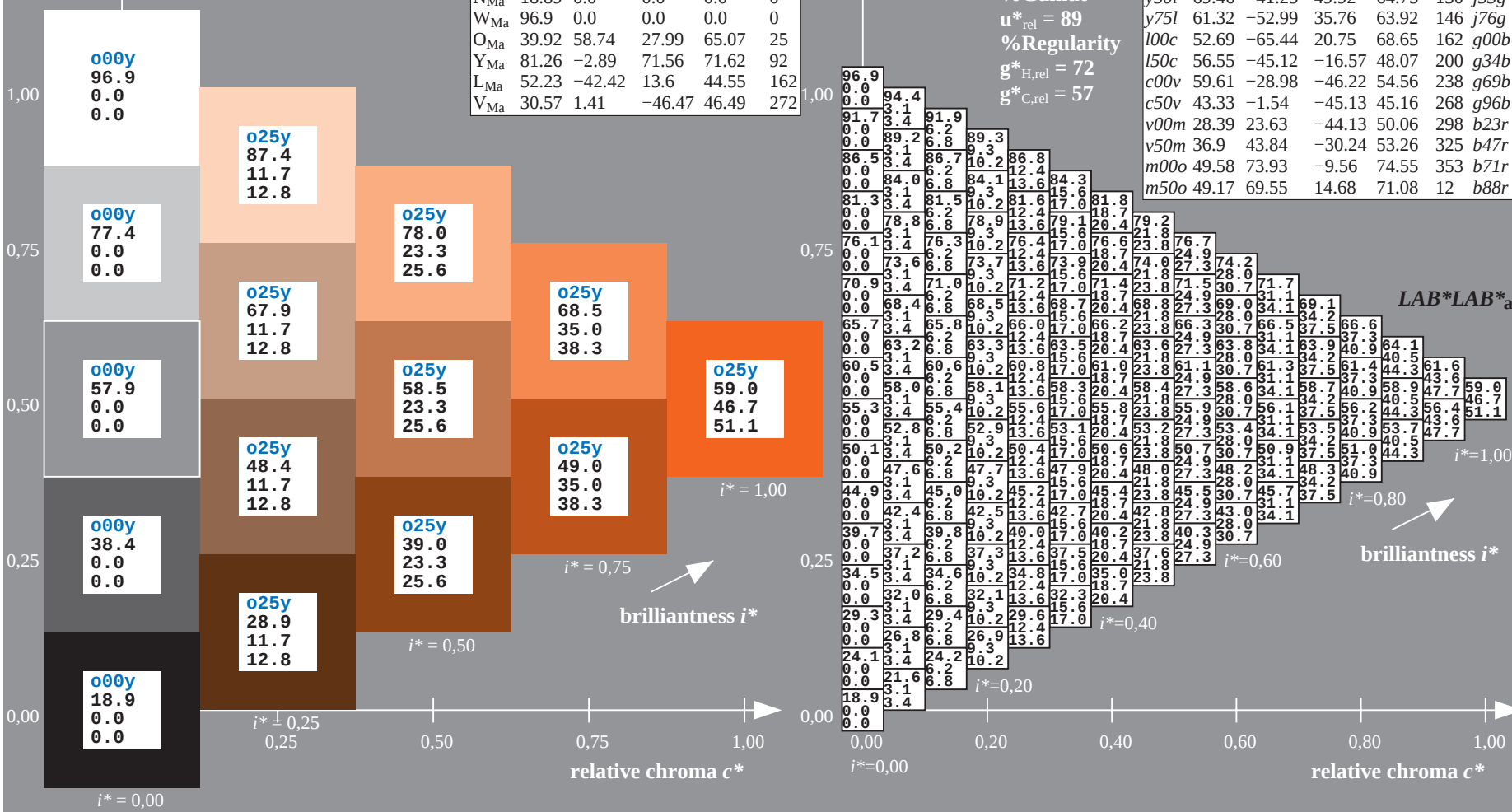
$g^*_{H,\text{rel}} = 72$

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

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	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

$u^*_d = o25y$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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

data for any colour:

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

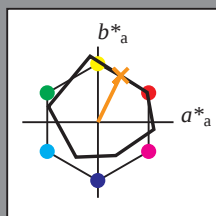
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$

brilliantness i^*

brilliantness i^*

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^*

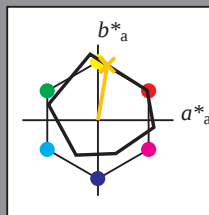
Hue texts:

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

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

$u^*_d = o75y$
 $LAB^*LAB^*_{Ma}$

$LAB^*LAB^*_{Ma}$

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

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^*

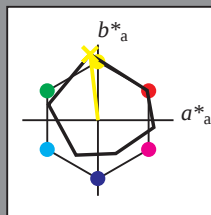
Hue texts:

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

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

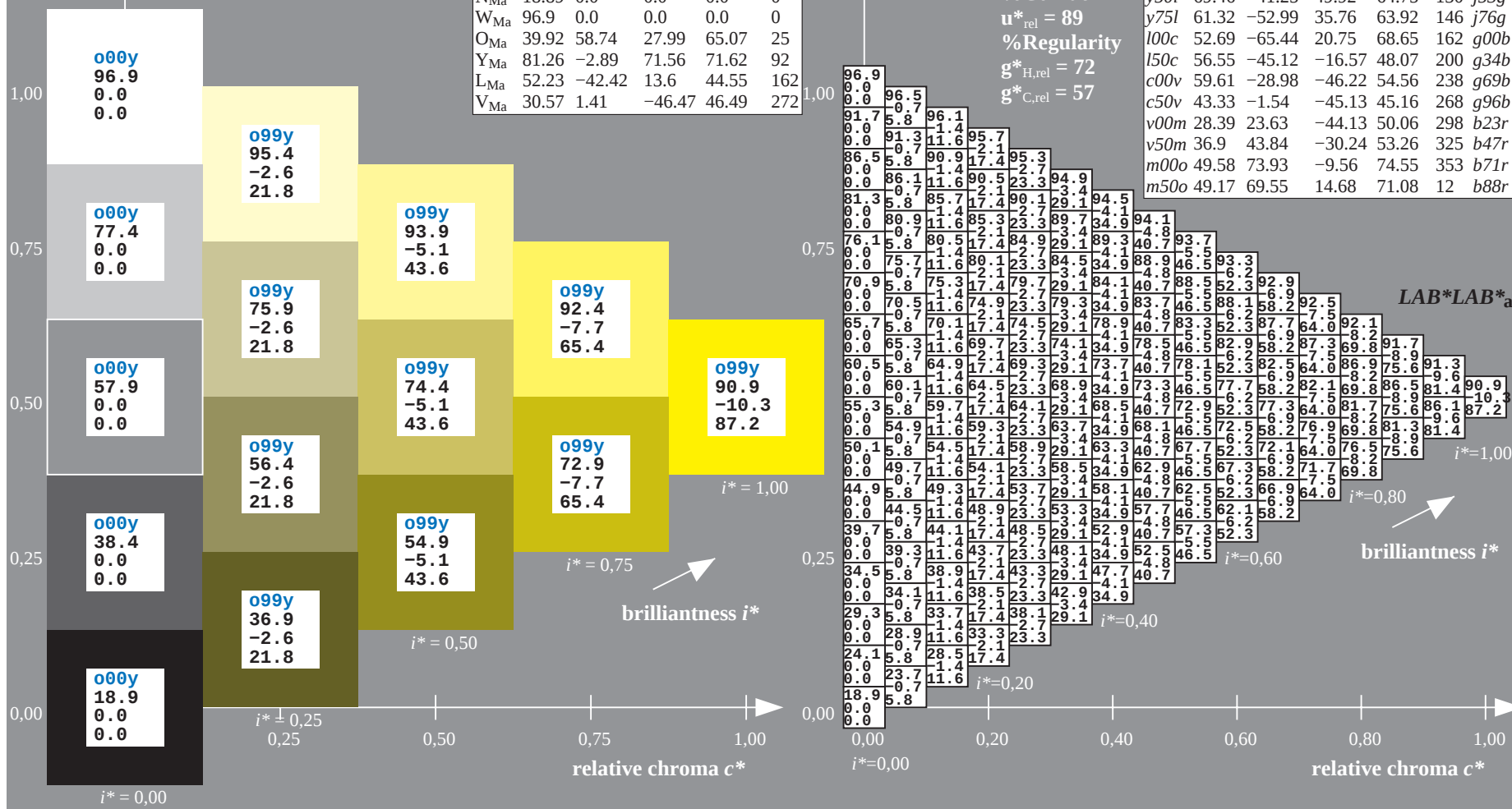
$g^*_{H,rel} = 72$

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

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

$u^*_d = y00l$
 $LAB^*LAB^*_a$



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^*

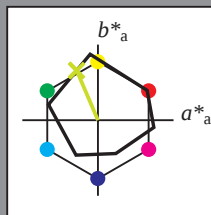
Hue texts:

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

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

$u^*_d = y25l$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

$\text{LAB}^*\text{LAB}^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

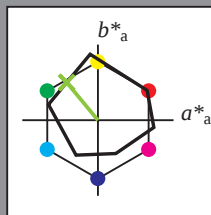
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

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

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

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

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

$u^*_d = y50l$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

$\text{LAB}^*\text{LAB}^*_{Ma}$

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

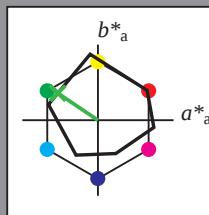
Hue texts:

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

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

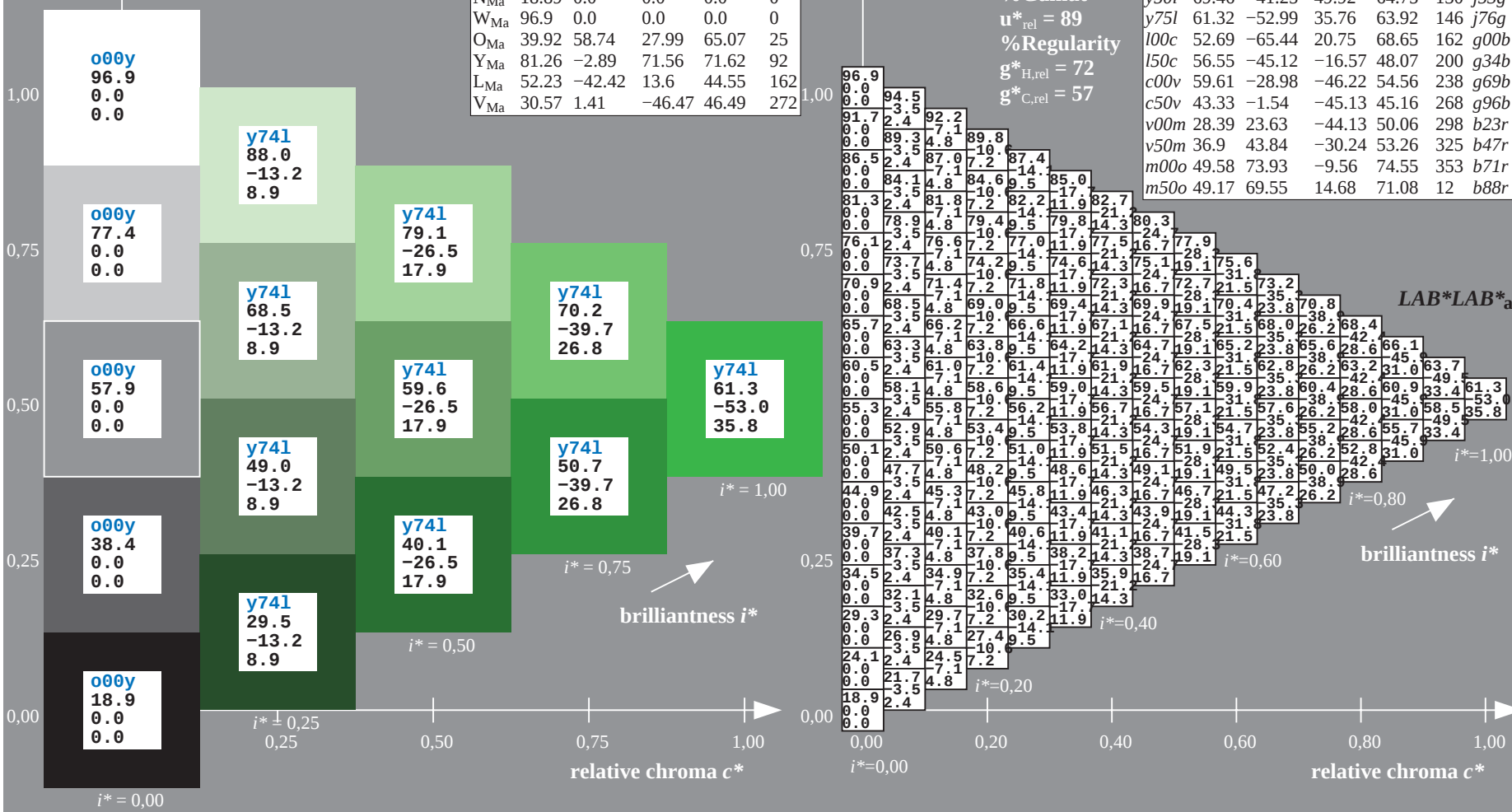
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data
 u^*_d $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_e

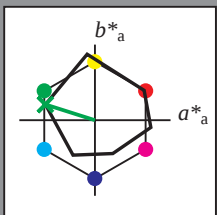
o00y	48.75	65.07	39.43	76.08	31	r08j
o25y	59.04	46.67	51.1	69.21	48	r33j
o50y	68.32	30.09	61.62	68.58	64	r57j
o75y	78.23	12.39	72.85	73.9	80	r81j
y00l	90.92	-10.29	87.24	87.85	97	j06g
y25l	78.57	-28.11	65.75	71.51	113	j29g
y50l	69.46	-41.25	49.92	64.75	130	j53g
y75l	61.32	-52.99	35.76	63.92	146	j76g
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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$
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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

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

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

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

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

$u^*_d = 100c$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

$\text{LAB}^*\text{LAB}^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

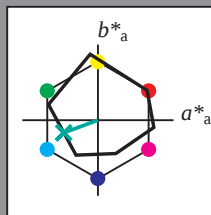
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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

$LAB^*LAB^*_{Ma}$: 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

$u^*_{rel} = 89$

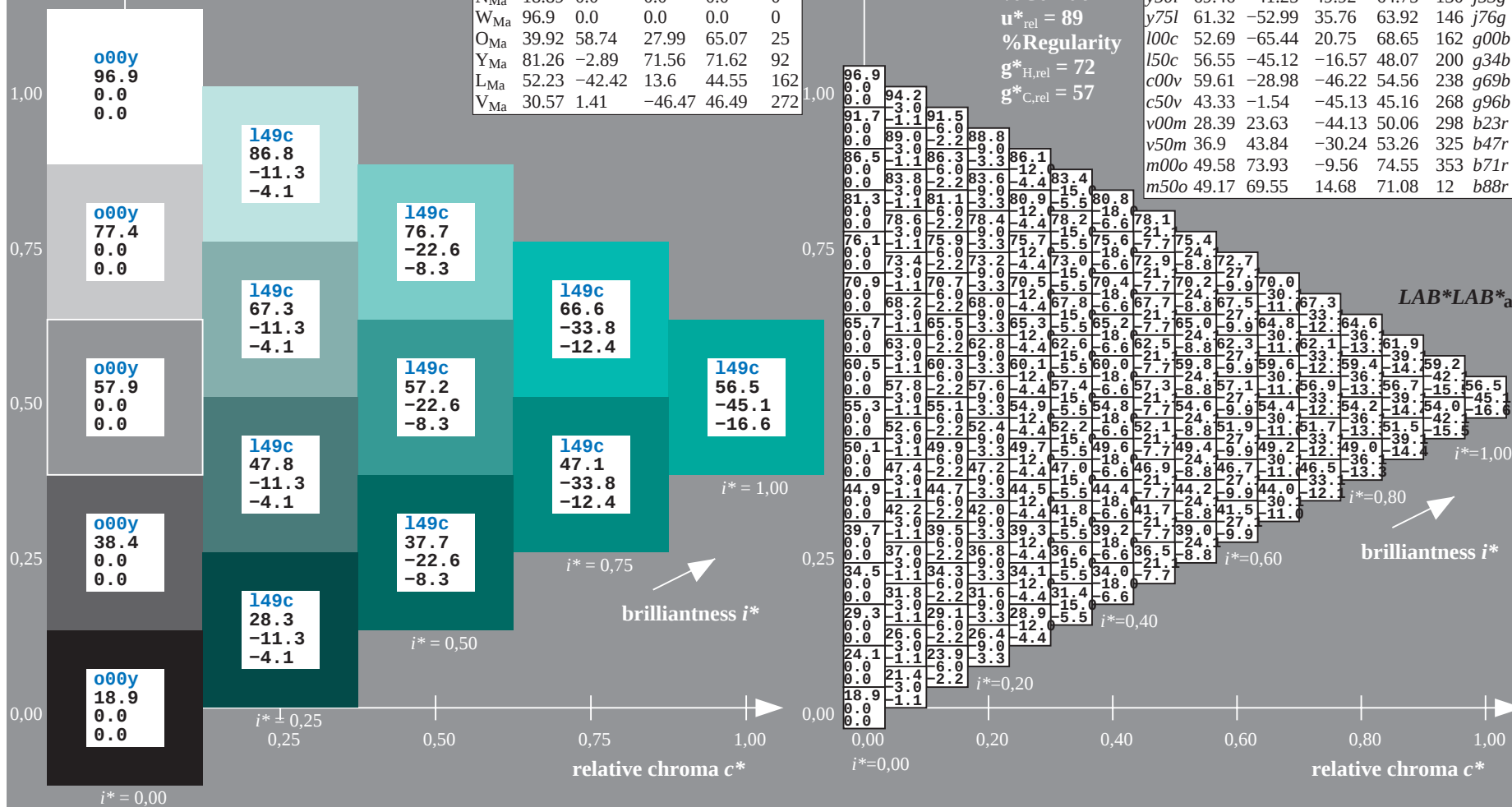
%Regularity

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

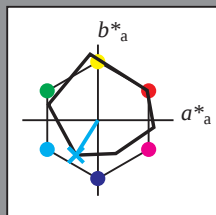
Hue texts:

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

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

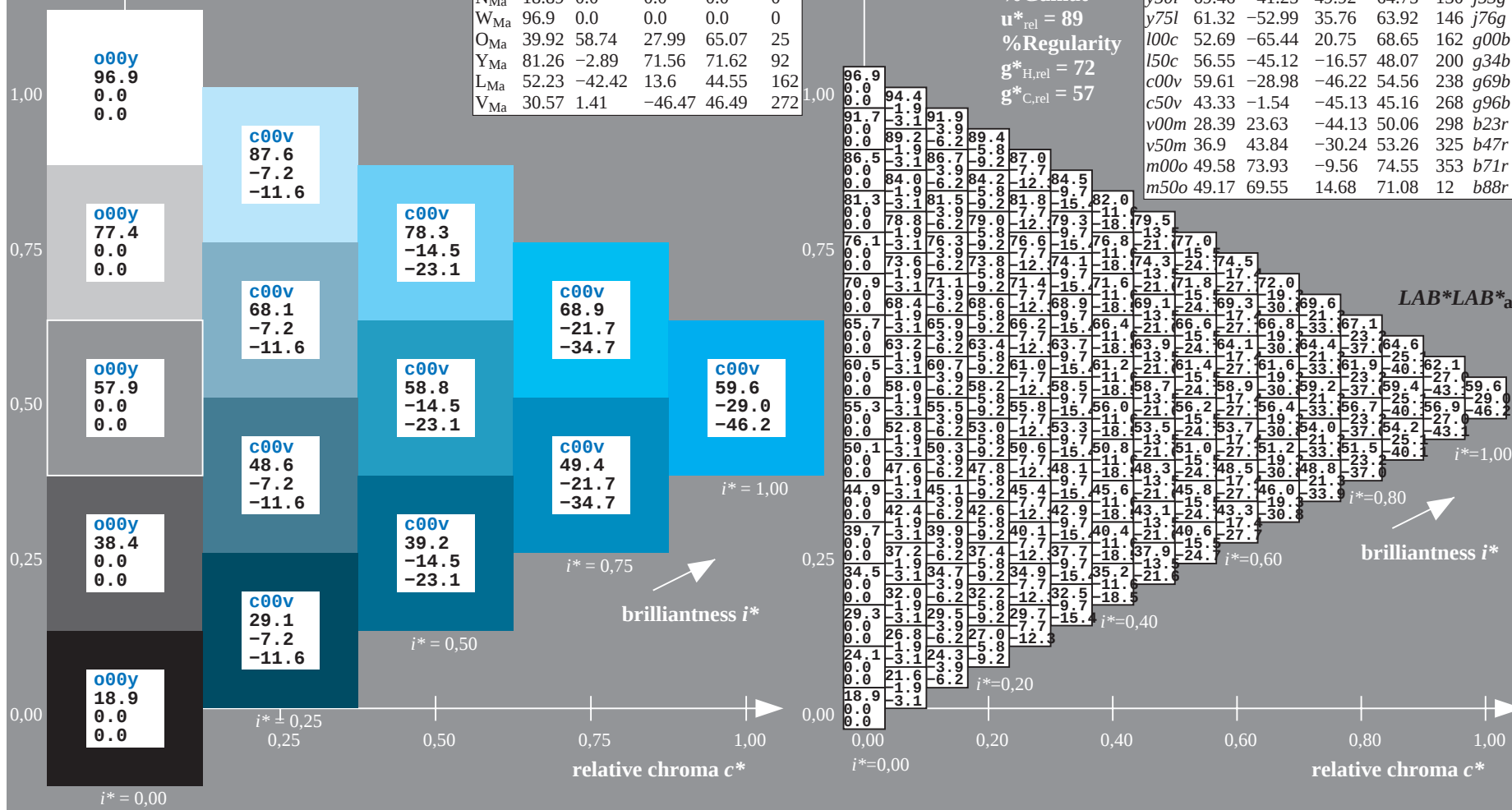
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_d = c00v$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



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

data for any colour:

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

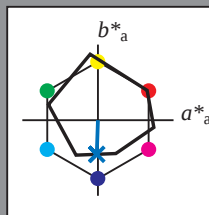
Hue texts:

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

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):

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

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

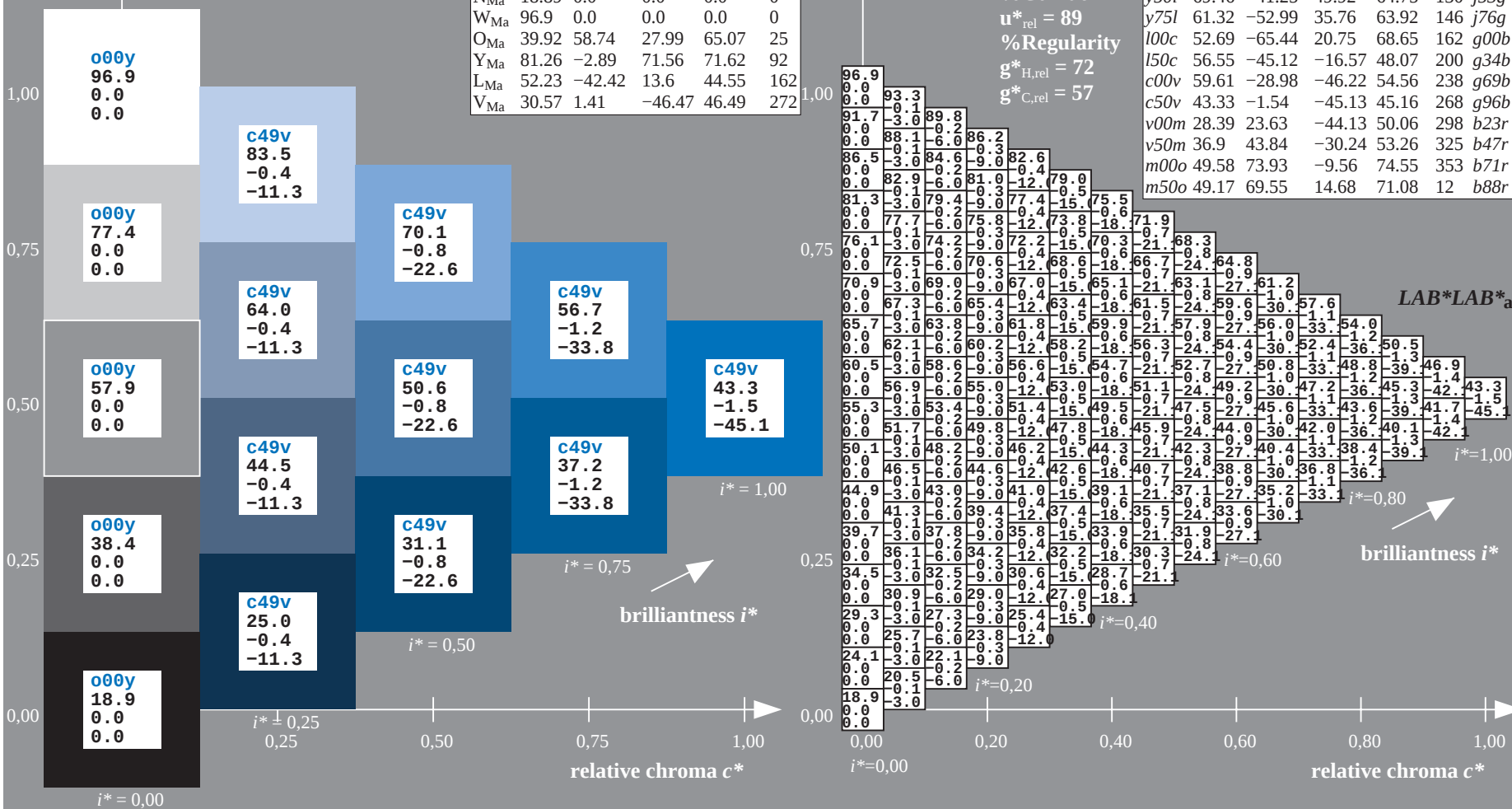
$g^*_{H,rel} = 72$

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

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

$u^*_d = c50v$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



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

data for any colour:

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

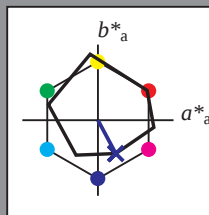
Hue texts:

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

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

$u^*_d = v00m$
 $LAB^*LAB^*_a$

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^*

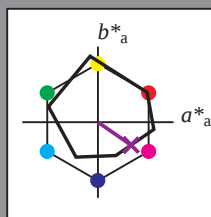
Hue texts:

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

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

$u^*_d = v50m$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

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^*

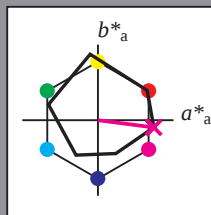
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$
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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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

$u^*_d = m00o$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

$\text{LAB}^*\text{LAB}^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

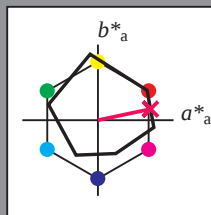
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$
data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = m50o \quad u_e^* = b88r$$

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}: 49 70 15

LAB*LCH* M_2 : 49 71 11

 $lab*ply*Ma: 1.0 \ 0.0 \ 0.5$

lch*rch* : 1.0 0.0 0.24

100 150 200 250 300 350 400 450 500 550 600 650 700 750 800 850 900 950 1000

triangle lightness t^*

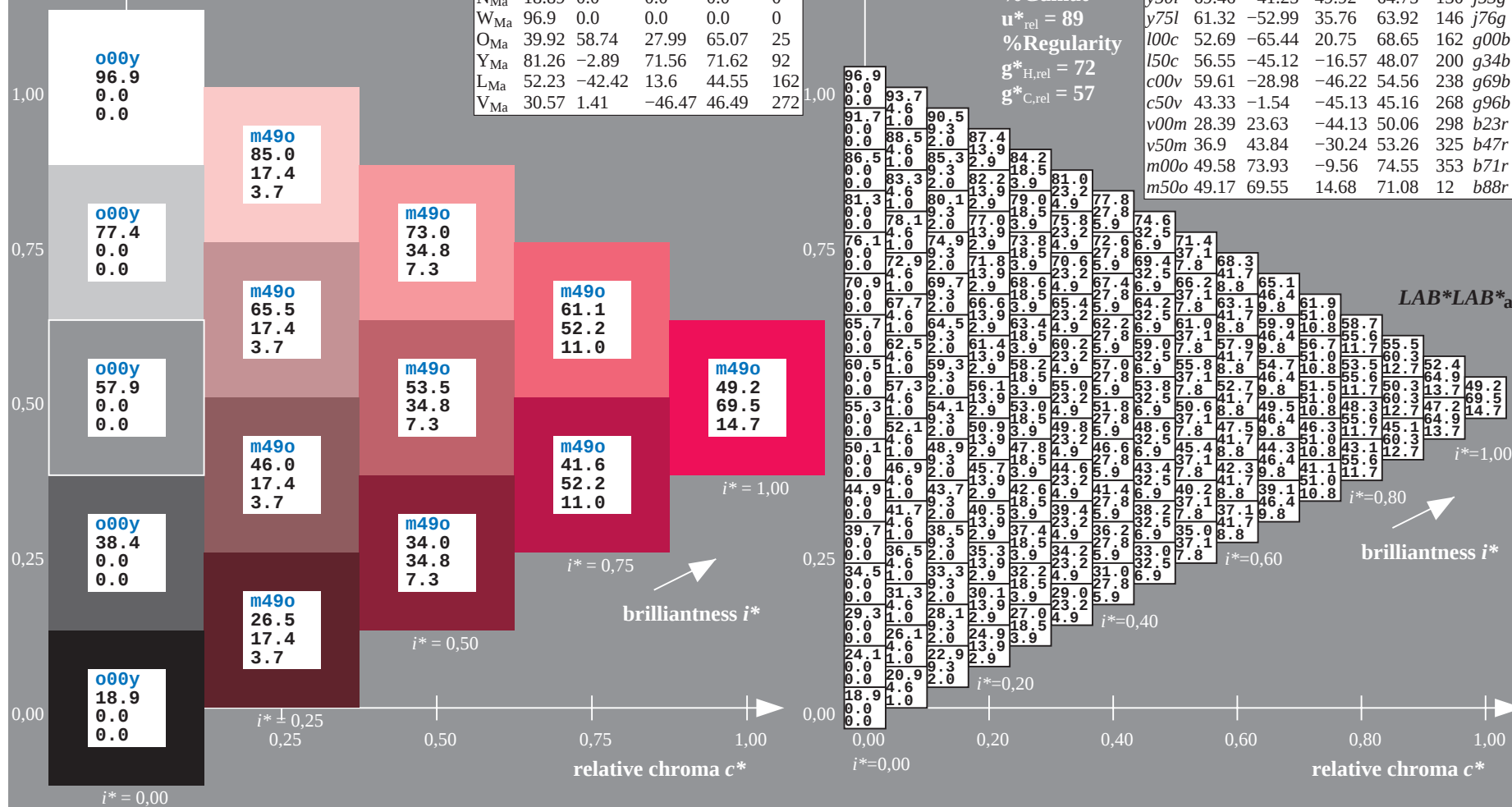
%Gamut

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

%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>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 Ee68; Colorimetric systems, Page 89/198

D65: colour scales and 9 data tables for 16 hues $000y$ to $m750$

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

output: $\rightarrow cmy\text{yn}6^* \text{ setcmykcolor}$

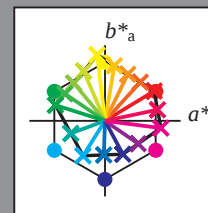
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
01	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	1910.0	1914.3	1918.5	1922.8	1927.0	1931.3	1935.5	1939.8	1944.0	1948.3	1952.5	1956.8	1961.0	1965.3	1969.5	1973.8	1978.0	1982.3	1986.5	1990.8	1995.0	1999.3	2003.5	2007.8	2012.0	2016.3	2020.5	2024.8	2029.0	2033.3	2037.5	2041.8	2046.0	2050.3	2054.5	2058.8	2063.0	2067.3	2071.5	2075.8	2080.0	2084.3	2088.5	2092.8	2097.0	2101.3	2105.5	2109.8	2114.0	2118.3	2122.5	2126.8	2131.0	2135.3	2139.5	2143.8	2148.0	2152.3	2156.5	2160.8	2165.0	2169.3	2173.5	2177.8	2182.0	2186.3	2190.5	2194.8	2199.0	2203.3	2207.5	2211.8	2216.0	2220.3	2224.5	2228.8	2233.0	2237.3	2241.5	2245.8	2250.0	2254.3	2258.5	2262.8	2267.0	2271.3	2275.5	2279.8	2284.0	2288.3	2292.5	2296.8	2301.0	2305.3	2309.5	2313.8	2318.0	2322.3	2326.5	2330.8	2335.0	2339.3	2343.5	2347.8	2352.0	2356.3	2360.5	2364.8	2369.0	2373.3	2377.5	2381.8	2386.0	2390.3	2394.5	2398.8	2403.0	2407.3	2411.5	2415.8	2420.0	2424.3	2428.5	2432.8	2437.0	2441.3	2445.5	2449.8	2454.0	2458.3	2462.5	2466.8	2471.0	2475.3	2479.5	2483.8	2488.0	2492.3	2496.5	2500.8	2505.0	2509.3	2513.5	2517.8	2522.0	2526.3	2530.5	2534.8	2539.0	2543.3	2547.5	2551.8	2556.0	2560.3	2564.5	2568.8	2573.0	2577.3	2581.5	2585.8	2590.0	2594.3	2598.5	2602.8	2607.0	2611.3	2615.5	2619.8	2624.0	2628.3	2632.5	2636.8	2641.0	2645.3	2649.5	2653.8	2658.0	2662.3	2666.5	2670.8	2675.0	2679.3	2683.5	2687.8	2692.0	2696.3	2700.5	2704.8	2709.0	2713.3	2717.5	2721.8	2726.0	2730.3	2734.5	2738.8	2743.0	2747.3	2751.5	2755.8	2760.0	2764.3	2768.5	2772.8	2777.0	2781.3	2785.5	2789.8	2794.0	2798.3	2802.5	2806.8	2811.0	2815.3	2819.5	2823.8	2828.0	2832.3	2836.5	2840.8	2845.0	2849.3	2853.5	2857.8	2862.0	2866.3	2870.5	2874.8	2879.0	2883.3	2887.5	2891.8	2896.0	2900.3	2904.5	2908.8	2913.0	2917.3	2921.5	2925.8	2930.0	2934.3	2938.5	2942.8	2947.0	2951.3	2955.5	2959.8	2964.0	2968.3	2972.5	2976.8	2981.0	2985.3	2989.5	2993.8	2998.0	3002.3	3006.5	3010.8	3015.0	3019.3	3023.5	3027.8	3032.0	3036.3	3040.5	3044.8	3049.0	3053.3	3057.5	3061.8	3066.0	3070.3	3074.5	3078.8	3083.0	3087.3	3091.5	3095.8	3100.0	3104.3	3108.5	3112.8	3117.0	3121.3	3125.5	3129.8	3134.0	3138.3	3142.5	3146.8	3151.0	3155.3	3159.5	3163.8	3168.0	3172.3	3176.5	3180.8	3185.0	3189.3	3193.5	3197.8	3202.0	3206.3	3210.5	3214.8	3219.0	3223.3	3227.5	3231.8	3236.0	3240.3	3244.5	3248.8	3253.0	3257.3	3261.5	3265.8	3270.0	3274.3	3278.5	3282.8	3287.0	3291.3	3295.5	3299.8	3304.0	3308.3	3312.5	3316.8	3321.0	3325.3	3329.5	3333.8	3338.0	3342.3	3346.5	3350.8	3355.0	3359.3	3363.5	3367.8	3372.0	3376.3	3380.5	3384.8	3389.0	3393.3	3397.5	3401.8	3406.0	3410.3	3414.5	3418.8	3423.0	3427.3	3431.5	3435.8	3440.0	3444.3	3448.5	3452.8	3457.0	3461.3	3465.5	3469.8	3474.0	3478.3	3482.5	3486.8	3491.0	3495.3	3499.5	3503.8	3508.0	3512.3	3516.5	3520.8	3525.0	3529.3	3533.5	3537.8	3542.0	3546.3	3550.5	3554.8	3559.0	3563.3	3567.5	3571.8	3576.0	3580.3	3584.5	3588.8	3593.0	3597.3	3601.5	3605.8	3610.0	3614.3	3618.5	3622.8	3627.0	3631.3	3635.5	3639.8	3644.0	3648.3	3652.5	3656.8	3661.0	3665.3	3669.5	3673.8	3678.0	3682.3	3686.5	3690.8	3695.0	3699.3	3703.5	3707.8	3712.0	3716.3	3720.5	3724.8	3729.0	3733.3	3737.5	3741.8	3746.0	3750.3	3754.5	3758.8	3763.0	3767.3	3771.5	3775.8	3780.0	3784.3	3788.5	3792.8	3797.0	3801.3	3805.5	3809.8	3814.0	3818.3	3822.5	3826.8	3831.0	3835.3	3839.5	3843.8	3848.0	3852.3	3856.5	3860.8	3865.0	3869.3	3873.5	3877.8	3882.0	3886.3	3890.5	3894.8	3899.0	3903.3	3907.5	3911.8	3916.0	3920.3	3924.5	3928.8	3933.0	3937.3	3941.5	3945.8	3950.0	3954.3	3958.5	3962.8	3967.0	3971.3	3975.5	3979.8	3984.0	3988.3	3992.5	3996.8	4001.0	4005.3	4009.5	4013.8	4018.0	4022.3	4026.5	4030.8	4035.0	4039.3	4043.5	4047.8	4052.0	4056.3	4060.5	4064.8	4069.0	4073.3	4077.5	4081.8	4086.0	4090.3	4094.5	4098.8	4103.0	4107.3	4111.5	4115.8	4120.0	4124.3	4128.5	4132.8	4137.0	4141.3	4145.5	4149.8	4154.0	4158.3	4162.5	4166.8	4171.0	4175.3	4179.5	4183.8	4188.0	4192.3	4196.5	4200.8	4205.0	4209.3	4213.5	4217.8	4222.0	4226.3	4230.5	4234.8	4239.0	4243.3	4247.5	4251.8	4256.0	4260.3	4264.5	4268.8	4273.0	4277.3	4281.5	4285.8	4290.0	4294.3	4298.5	4302.8	4307.0	4311.3	4315.5	4319.8	4324.0	4328.3	4332.5	4336.8	4341.0	4345.3	4349.5	4353.8	4358.0	4362.3	4366.5	4370.8	4375.0	4379.3	4383.5	4387.8	4392.0	4396.3	4400.5	4404.8	4409.0	4413.3	4417.5	4421.8	4426.0	4430.3	4434.5	4438.8	4443.0	4447.3	4451.5	4455.8	4460.0	4464.3	4468.5	4472.8	4477.0	4481.3	4485.5	4489.8	4494.0	4498.3	4502.5	4506.8	4511.0	4515.3	4519.5	4523.8	4528.0	4532.3	4536.5	4540.8	4545.0	4549.3	4553.5	4557.8	4562.0	4566.3	4570.5	4574.8	4579.0	4583.3	4587.5	4591.8	4596.0	4600.3	4604.5	4608.8	4613.0	4617.3	4621.5	4625.8	4630.0	4634.3	4638.5	4642.8	4647.0	4651.3	4655.5	4659.8	4664.0	4668.3	4672.5	4676.8	4681.0	4685.3	4689.5	4693.8	4698.0	4702.3	4706.5	4710.8	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

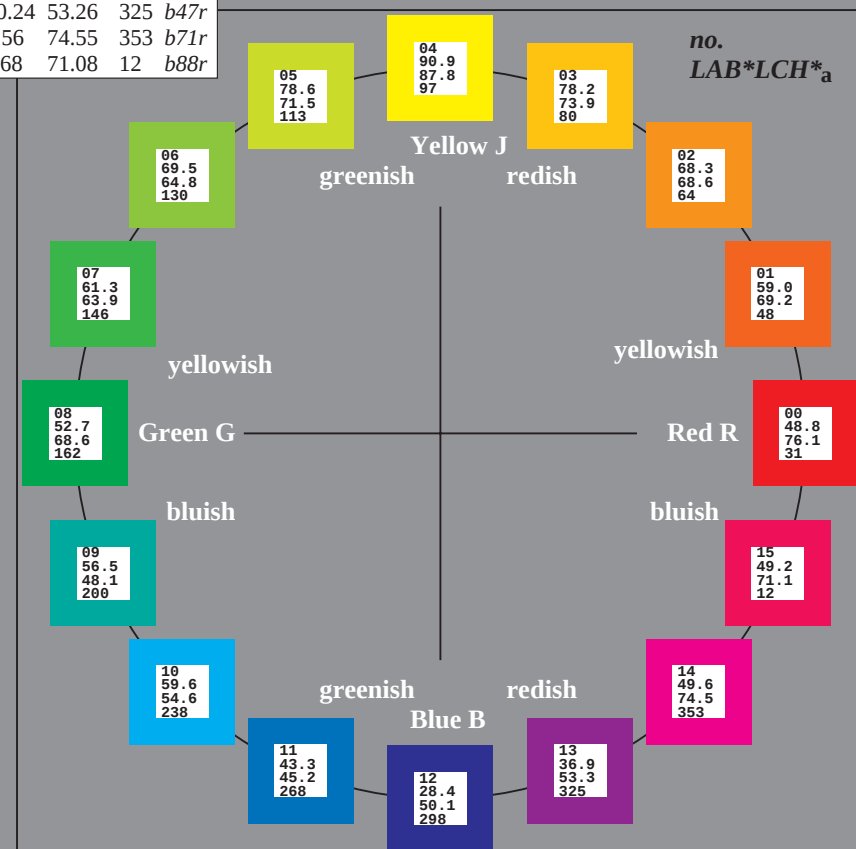
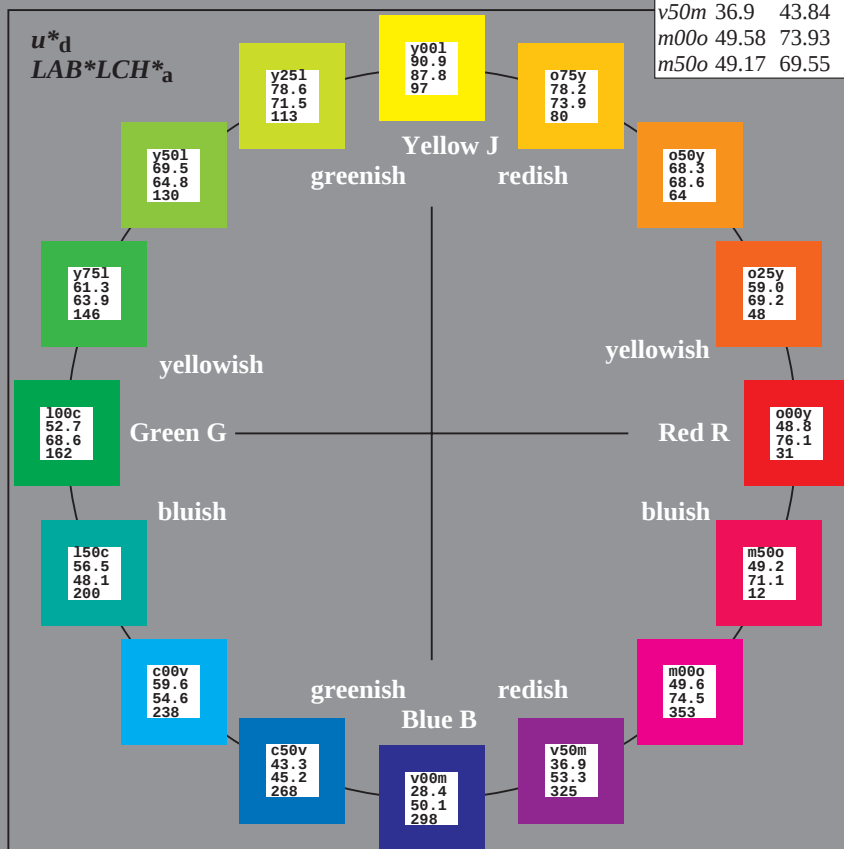
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
$o00y$	48.75	65.07	39.43	76.08	31	$r08j$
$o25y$	59.04	46.67	51.1	69.21	48	$r33j$
$o50y$	68.32	30.09	61.62	68.58	64	$r57j$
$o75y$	78.23	12.39	72.85	73.9	80	$r81j$
$y00l$	90.92	-10.29	87.24	87.85	97	$j06g$
$y25l$	78.57	-28.11	65.75	71.51	113	$j29g$
$y50l$	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
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

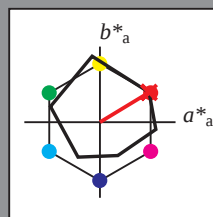
ORS19_96a; adapted (a) CIELAB data

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	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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		$b88r$

$\text{LAB}^*\text{LCH}^*_{Ma}$

$i^*=1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

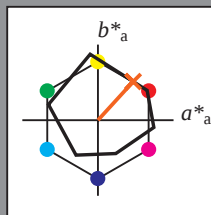
Hue texts:

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

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

$u^*_d = o25y$
 $LAB^*LCH^*_{Ma}$

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

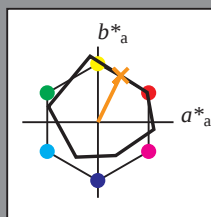
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

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

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

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

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

$u^*_d = o50y$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

$\text{LAB}^*\text{LCH}^*_{Ma}$

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

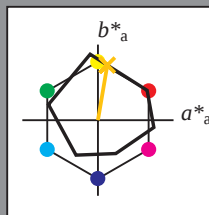
Hue texts:

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

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

$u^*_d = o75y$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

brilliantness i^*

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^*

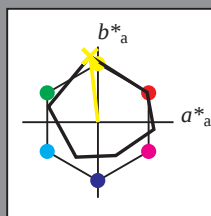
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

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^*

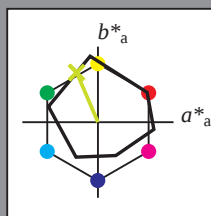
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

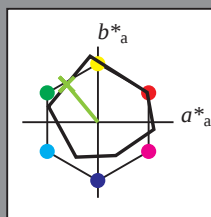
$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

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

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

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

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

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

$u^*_d = y50l$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

$\text{LAB}^*\text{LCH}^*_{Ma}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

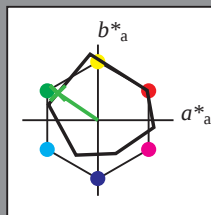
$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$
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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

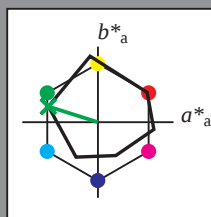
$i^*=0.00$

relative chroma c^*

relative chroma c^*

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

$u^*_{rel} = 89$

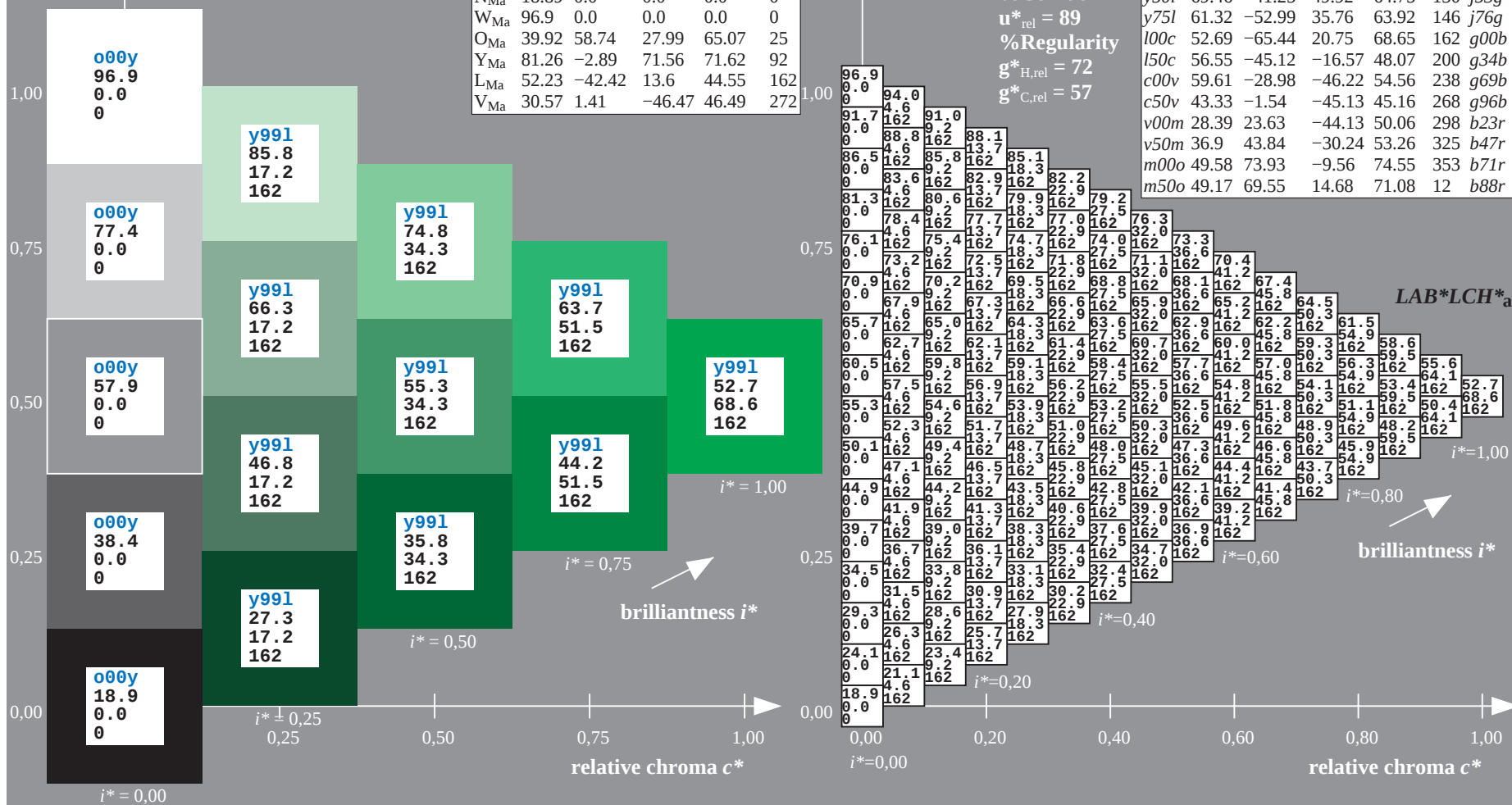
%Regularity

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

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

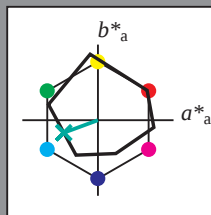
ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	48.75	65.07	39.43	76.08	31
o25y	59.04	46.67	51.1	69.21	48
o50y	68.32	30.09	61.62	68.58	64
o75y	78.23	12.39	72.85	73.9	80
y00l	90.92	-10.29	87.24	87.85	97
y25l	78.57	-28.11	65.75	71.51	113
y50l	69.46	-41.25	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

$u^*_d = 100c$
 $LAB^*LCH^*_{Ma}$



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

$u^*_{rel} = 89$

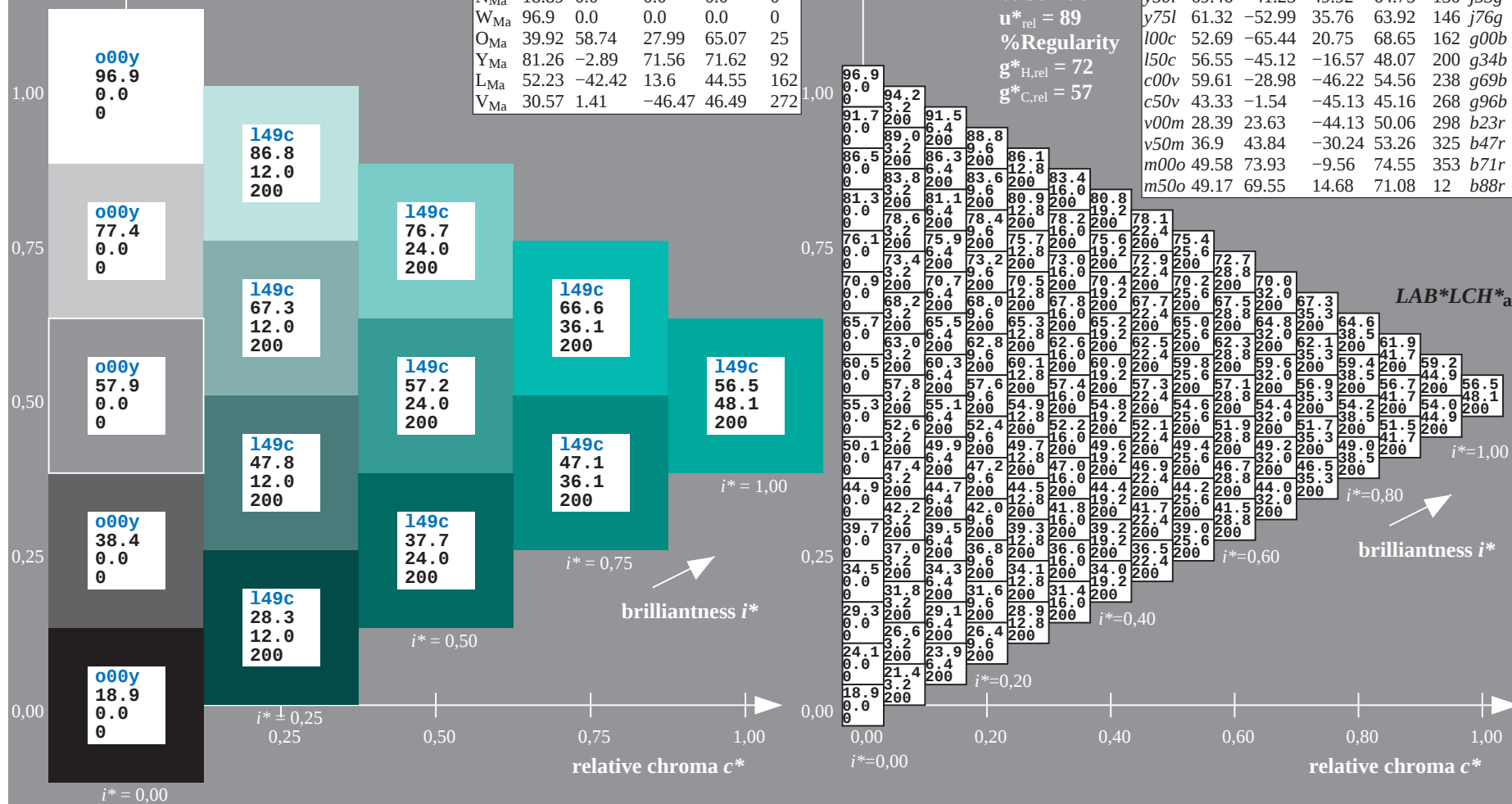
%Regularity

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

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

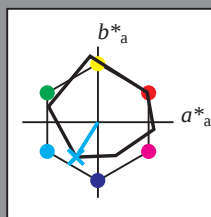
ORS19_96a; adapted (a) CIELAB data					
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
o00y	48.75	65.07	39.43	76.08	31
o25y	59.04	46.67	51.1	69.21	48
o50y	68.32	30.09	61.62	68.58	64
o75y	78.23	12.39	72.85	73.9	80
y00l	90.92	-10.29	87.24	87.85	97
y25l	78.57	-28.11	65.75	71.51	113
y50l	69.46	-41.25	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

$u^*_d = 150c$
 $LAB^*LCH^*_{a}$



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

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

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^*

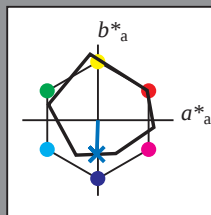
Hue texts:

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

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	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

$LAB^*LCH^*_{Ma}$

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

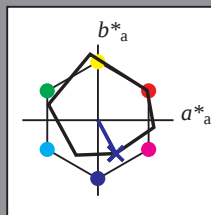
Hue texts:

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

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	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

$u^*_d = v00m$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

$\text{LAB}^*\text{LCH}^*_{Ma}$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

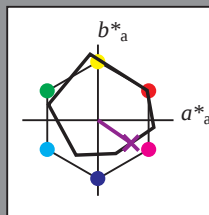
Hue texts:

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

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

$u^*_d = v50m$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

$\text{LAB}^*\text{LCH}^*_{Ma}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

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^*

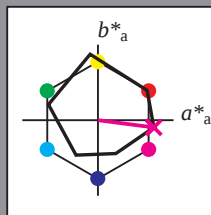
Hue texts:

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

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

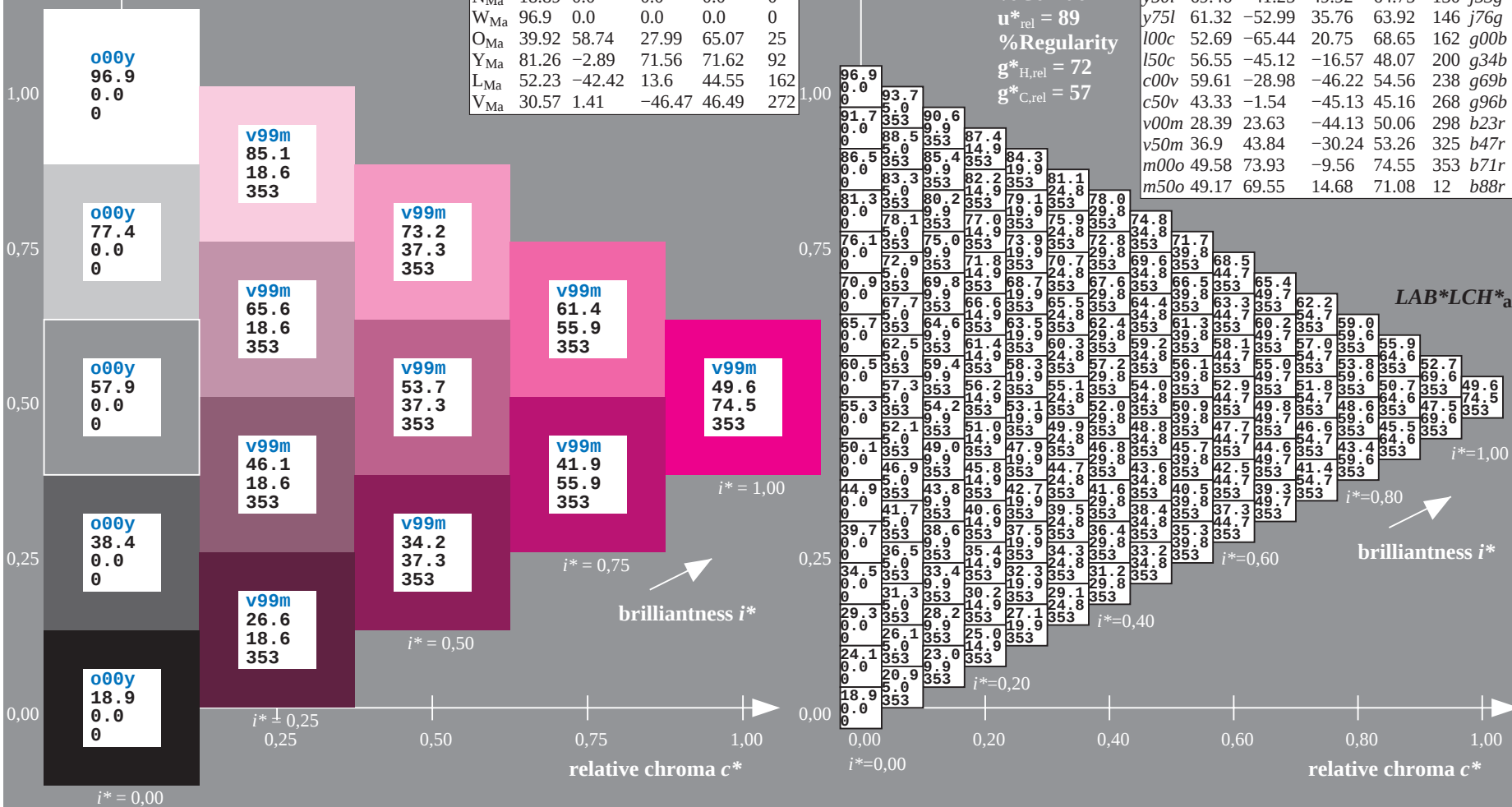
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_d = m00o$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$



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^*

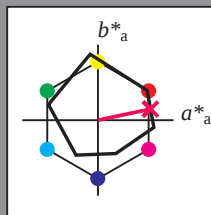
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

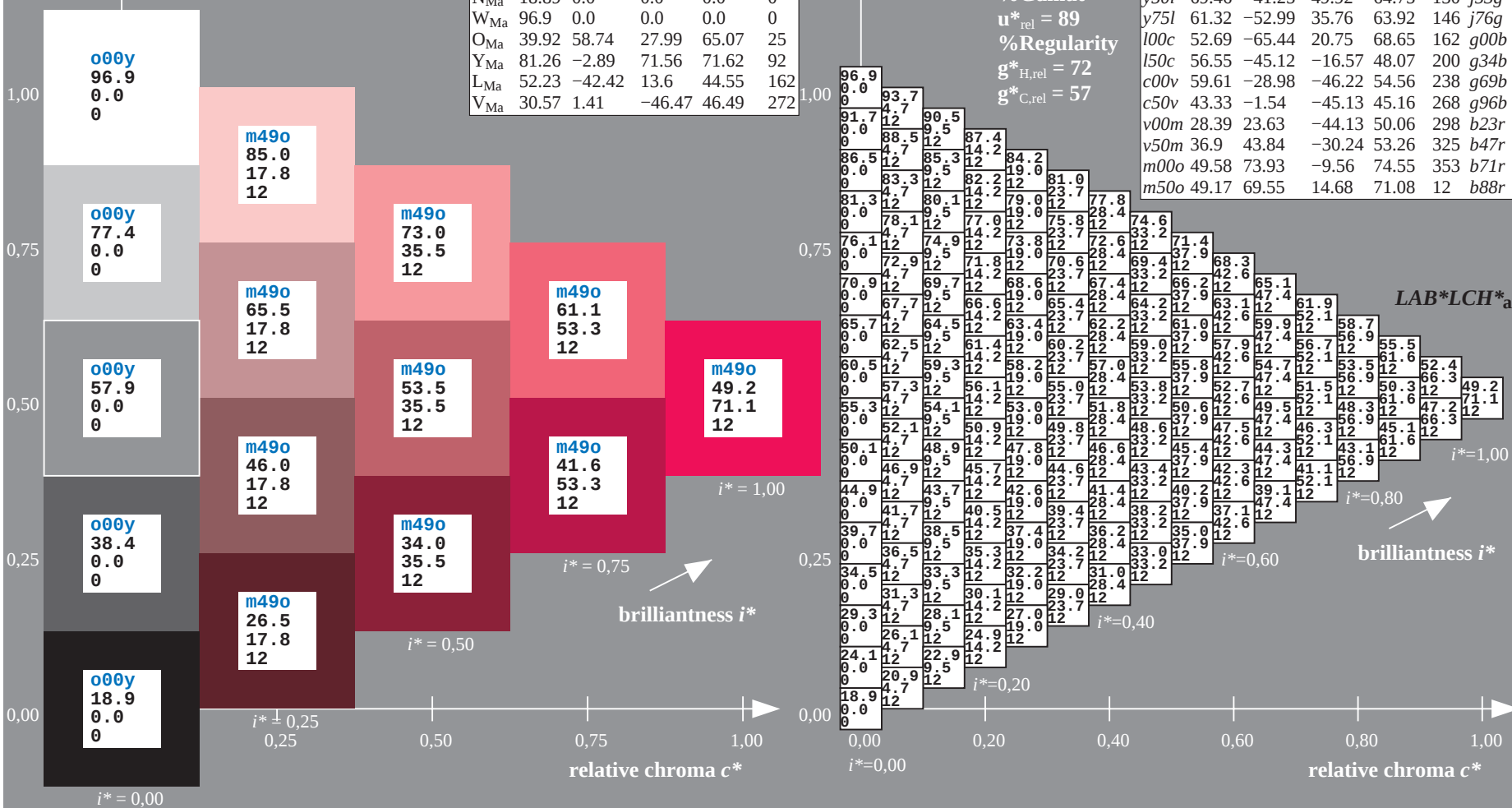
$g^*_{H,\text{rel}} = 72$

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

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

$u^*_d = m50o$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$



See for similar files: <http://www.ps.bam.de/Ee68/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

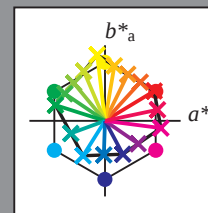
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a	
01	18.9	8.6	12.7	31.6	35.8	42.9	44.2	48.5	52.7	22.6	27.9	31.5	35.8	40.1	44.4	48.6	52.9	57.2	61.4	31.2	36.9	40.1	44.2	48.4	52.7	57.0	61.3	65.6	69.9	74.2	78.5	82.8	87.1	91.4	95.7	100.0	104.3	108.6	112.9
02	20.1	24.0	28.3	32.6	36.9	41.2	45.5	49.7	54.0	22.7	28.6	32.9	37.1	41.3	45.5	49.8	54.0	58.2	62.5	32.4	37.6	41.3	45.6	49.9	54.1	58.4	62.7	67.0	71.3	75.6	79.9	84.2	88.5	92.8	97.1	101.4	105.7	110.0	
03	21.3	25.0	29.1	33.4	37.7	42.1	46.4	50.7	55.0	23.4	29.8	33.7	38.1	42.4	46.7	51.0	55.2	59.5	63.8	32.5	38.4	42.6	46.8	51.1	55.3	59.6	63.7	67.8	71.9	76.0	80.1	84.2	88.3	92.4	96.5	100.6	104.7	108.8	
04	22.5	26.3	30.3	34.6	38.9	43.2	47.5	51.8	56.1	24.5	31.0	34.8	39.2	43.5	47.8	52.1	56.4	60.7	65.0	33.4	39.3	43.5	47.8	52.1	56.4	60.7	65.0	69.3	73.6	77.9	82.2	86.5	90.8	95.1	99.4	103.7	108.0		
05	23.6	27.4	31.6	35.9	40.2	44.5	48.8	53.1	57.4	25.5	32.0	35.8	40.2	44.5	48.8	53.1	57.4	61.7	66.0	34.4	40.3	44.5	48.8	53.1	57.4	61.7	66.0	70.3	74.6	78.9	83.2	87.5	91.8	96.1	100.4	104.7	109.0		
06	24.8	28.6	32.8	37.1	41.4	45.7	50.0	54.3	58.6	26.5	33.0	36.8	41.2	45.5	49.8	54.1	58.4	62.7	67.0	35.4	41.3	45.5	49.8	54.1	58.4	62.7	67.0	71.3	75.6	79.9	84.2	88.5	92.8	97.1	101.4	105.7	110.0		
07	25.9	29.7	33.9	38.2	42.5	46.8	51.1	55.4	59.7	27.5	34.0	37.8	42.2	46.5	50.8	55.1	59.4	63.7	68.0	36.4	42.3	46.5	50.8	55.1	59.4	63.7	68.0	72.3	76.6	80.9	85.2	89.5	93.8	98.1	102.4	106.7	111.0		
08	27.1	30.9	35.1	39.4	43.7	48.0	52.3	56.6	60.9	28.5	35.0	38.8	43.2	47.5	51.8	56.1	60.4	64.7	69.0	37.4	43.3	47.5	51.8	56.1	60.4	64.7	69.0	73.3	77.6	81.9	86.2	90.5	94.8	99.1	103.4	107.7	112.0		
09	28.2	32.0	36.2	40.5	44.8	49.1	53.4	57.7	62.0	29.5	36.0	39.8	44.2	48.5	52.8	57.1	61.4	65.7	70.0	38.4	44.3	48.5	52.8	57.1	61.4	65.7	70.0	74.3	78.6	82.9	87.2	91.5	95.8	100.1	104.4	108.7	113.0		
10	29.4	33.2	37.4	41.7	46.0	50.3	54.6	58.9	63.2	30.5	37.0	40.8	45.2	49.5	53.8	58.1	62.4	66.7	71.0	39.4	45.3	49.5	53.8	58.1	62.4	66.7	71.0	75.3	79.6	83.9	88.2	92.5	96.8	101.1	105.4	109.7	114.0		
11	30.5	34.3	38.5	42.8	47.1	51.4	55.7	59.9	64.2	31.5	38.0	41.8	46.2	50.5	54.8	59.1	63.4	67.7	72.0	40.4	46.3	50.5	54.8	59.1	63.4	67.7	72.0	76.3	80.6	84.9	89.2	93.5	97.8	102.1	106.4	110.7	115.0		
12	31.7	35.5	39.7	44.0	48.3	52.6	56.9	61.2	65.5	32.5	39.0	42.8	47.2	51.5	55.8	60.1	64.4	68.7	73.0	41.4	47.3	51.5	55.8	60.1	64.4	68.7	73.0	77.3	81.6	85.9	90.2	94.5	98.8	103.1	107.4	111.7	116.0		
13	32.8	36.6	40.8	45.1	49.4	53.7	58.0	62.3	66.6	33.5	40.0	43.8	48.2	52.5	56.8	61.1	65.4	69.7	74.0	42.4	48.3	52.5	56.8	61.1	65.4	69.7	74.0	78.3	82.6	86.9	91.2	95.5	99.8	104.1	108.4	112.7	117.0		
14	33.9	37.7	41.9	46.2	50.5	54.8	59.1	63.4	67.7	34.5	41.0	44.8	49.2	53.5	57.8	62.1	66.4	70.7	75.0	43.4	49.3	53.5	57.8	62.1	66.4	70.7	75.0	79.3	83.6	87.9	92.2	96.5	100.8	105.1	109.4	113.7	118.0		
15	35.1	38.9	43.1	47.4	51.7	56.0	60.3	64.6	68.9	35.5	42.0	45.8	50.2	54.5	58.8	63.1	67.4	71.7	76.0	44.4	50.3	54.5	58.8	63.1	67.4	71.7	76.0	80.3	84.6	88.9	93.2	97.5	101.8	106.1	110.4	114.7	119.0		
16	36.2	40.0	44.2	48.5	52.8	57.1	61.4	65.7	69.9	36.5	43.0	46.8	51.2	55.5	59.8	64.1	68.4	72.7	77.0	45.4	51.3	55.5	59.8	64.1	68.4	72.7	77.0	81.3	85.6	89.9	94.2	98.5	102.8	107.1	111.4	115.7	120.0		
17	37.4	41.2	45.4	49.7	54.0	58.3	62.6	66.9	71.2	37.5	44.0	47.8	52.2	56.5	60.8	65.1	69.4	73.7	78.0	46.4	52.3	56.5	60.8	65.1	69.4	73.7	78.0	82.3	86.6	90.9	95.2	99.5	103.8	108.1	112.4	116.7	121.0		
18	38.5	42.3	46.5	50.8	55.1	59.4	63.7	68.0	72.3	38.5	45.0	48.8	53.2	57.5	61.8	66.1	70.4	74.7	79.0	47.4	53.3	57.5	61.8	66.1	70.4	74.7	79.0	83.3	87.6	91.9	96.2	100.5	104.8	109.1	113.4	117.7	122.0		
19	39.7	43.5	47.7	52.0	56.3	60.6	64.9	69.2	73.5	39.5	46.0	49.8	54.2	58.5	62.8	67.1	71.4	75.7	80.0	48.4	54.3	58.5	62.8	67.1	71.4	75.7	80.0	84.3	88.6	92.9	97.2	101.5	105.8	110.1	114.4	118.7	123.0		
20	40.8	44.6	48.8	53.1	57.4	61.7	66.0	70.3	74.6	40.5	47.0	50.8	55.2	59.5	63.8	68.1	72.4	76.7	81.0	49.4	55.3	59.5	63.8	68.1	72.4	76.7	81.0	85.3	89.6	93.9	98.2	102.5	106.8	111.1	115.4	119.7	124.0		
21	42.0	45.8	50.0	54.3	58.6	62.9	67.2	71.5	75.8	41.5	48.0	51.8	56.2	60.5	64.8	69.1	73.4	77.7	82.0	50.4	56.3	60.5	64.8	69.1	73.4	77.7	82.0	86.3	90.6	94.9	99.2	103.5	107.8	112.1	116.4	120.7	125.0		
22	43.1	46.9	51.1	55.4	59.7	64.0	68.3	72.6	76.9	42.5	49.0	52.8	57.2	61.5	65.8	70.1	74.4	78.7	83.0	51.4	57.3	61.5	65.8	70.1	74.4	78.7	83.0	87.3	91.6	95.9	100.2	104.5	108.8	113.1	117.4	121.7	126.0		
23	44.3	48.1	52.3	56.6	60.9	65.2	69.5	73.8	78.1	43.5	50.0	53.8	58.2	62.5	66.8	71.1	75.4	79.7	84.0	52.4	58.3	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		
24	45.4	49.2	53.4	57.7	62.0	66.3	70.6	74.9	79.2	44.5	51.0	54.8	59.2	63.5	67.8	72.1	76.4	80.7	85.0	53.4	59.3	63.5	67.8	72.1	76.4	80.7	85.0	89.3	93.6	97.9	102.2	106.5	110.8	115.1	119.4	123.7	128.0		
25	46.6	50.4	54.6	58.9	63.2	67.5	71.8	76.1	80.4	45.5	52.0	55.8	60.2	64.5	68.8	73.1	77.4	81.7	86.0	54.4	60.3	64.5	68.8	73.1	77.4	81.7	86.0	90.3	94.6	98.9	103.2	107.5	111.8	116.1	120.4	124.7	129.0		
26	47.7	51.5	55.7	60.0	64.3	68.6	72.9	77.2	81.5	46.5	53.0	56.8	61.2	65.5	69.8	74.1	78.4	82.7	87.0	55.4	61.3	65.5	69.8	74.1	78.4	82.7	87.0	91.3	95.6	99.9	104.2	108.5	112.8	117.1	121.4	125.7	130.0		
27	48.9	52.7	56.9	61.2	65.5	69.8	74.1	78.4	82.7	47.5	54.0	57.8	62.2	66.5	70.8	75.1	79.4	83.7	88.0	56.4	62.3	66.5	70.8	75.1	79.4	83.7	88.0	92.3	96.6	100.9	105.2	109.5	113.8	118.1	122.4	126.7	131.0		
28	50.0	53.8	58.0	62.3	66.6	70.9	75.2	79.5	83.8	48.5	55.0	58.8	63.2	67.5	71.8	76.1	80.4	84.7	89.0	57.4	63.3	67.5	71.8	76.1	80.4	84.7	89.0	93.3	97.6	101.9	106.2	110.5	114.8	119.1	123.4	127.7	132.0		
29	51.2	55.0	59.2	63.5	67.8	72.1	76.4	80.7	85.0	49.5	56.0	59.8	64.2	68.5	72.8	77.1	81.4	85.7	90.0	58.4	64.3	68.5	72.8	77.1	81.4	85.7	90.0	94.3	98.6	102.9	107.2	111.5	115.8	120.1	124.4	128.7	133.0		
30	52.3	56.1	60.3	64.6	68.9	73.2	77.5	81.8	86.1	50.5	57.0	60.8	65.2	69.5	73.8	78.1	82.4	86.7	91.0	59.4	65.3	69.5	73.8	78.1	82.4	86.7	91.0	95.3	99.6	103.9	108.2	112.5	116.8	121.1	125.4	129.7	134.0		
31	53.5	57.3	61.5	65.8	70.1	74.4	78.7	83.0	87.3	51.5	58.0	61.8	66.2	70.5	74.8	79.1	83.4	87.7	92.0	60.4	66.3	70.5	74.8	79.1	83.4	87.7	92.0	96.3	100.6	104.9	109.2	113.5	117.8	122.1	126.4	130.7	135.0		
32	54.6	58.4	62.6	66.9	71.2	75.5	79.8	84.1	88.4	52.5	59.0	62.8	67.2	71.5	75.8	80.1	84.4	88.7	93.0	61.4	67.3	71.5	75.8	80.1	84.4	88.7	93.0	97.3	101.6	105.9	110.2	114.5	118.8	123.1	127.4	131.7	136.0		
33	55.8	59.6	63.8	68.1	72.4	76.7	81.0	85.3	89.6	53.5	60.0	63.8	68.2	72.5	76.8	81.1	85.4	89.7	94.0	62.4	68.3	72.5	76.8	81.1	85.4	89.7	94.0	98.3	102.6	106.9	111.2	115.5	119.8	124.1	128.4	132.7	137.0		
34	56.9	60.7	64.9	69.2	73.5	77.8	82.1	86.4	90.7	54.5	61.0	64.8	69.2	73.5	77.8	82.1	86.4	90.7	95.0	63.4	69.3	73.5	77.8	82.1	86.4	90.7	95.0	99.3	103.6	107.9	112.2	116.5	120.8	125.1	129.4	133.7	138.0		

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

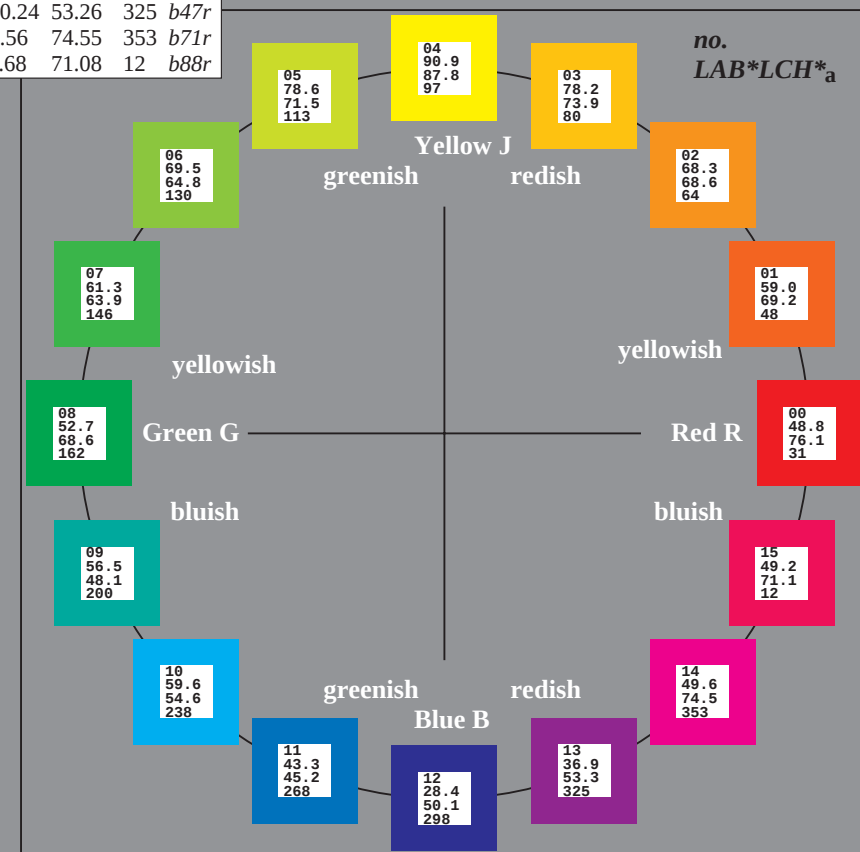
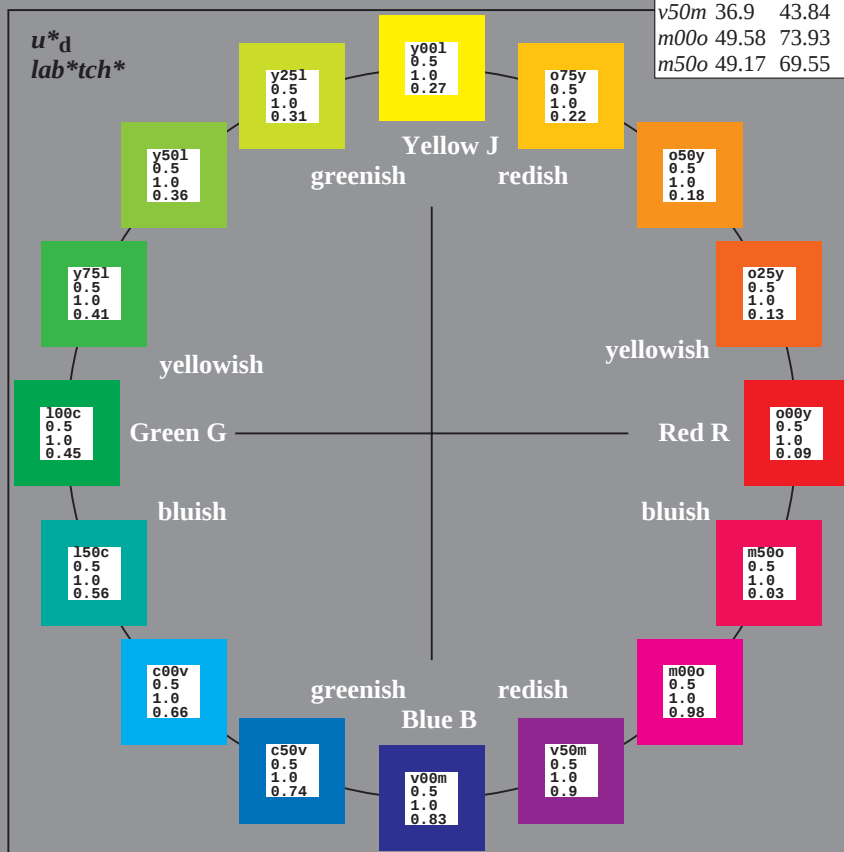
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	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	$C^*_{ab,a}$	$h^*_{ab,a}$
<i>O</i> _{Ma}	48.75	65.07	39.43	76.08	31
<i>Y</i> _{Ma}	90.92	-10.29	87.24	87.85	97
<i>L</i> _{Ma}	52.69	-65.44	20.75	68.65	162
<i>C</i> _{Ma}	59.61	-28.98	-46.22	54.56	238
<i>V</i> _{Ma}	28.39	23.63	-44.13	50.06	298
<i>M</i> _{Ma}	49.58	73.93	-9.56	74.55	353
<i>N</i> _{Ma}	18.89	0.0	0.0	0.0	0
<i>W</i> _{Ma}	96.9	0.0	0.0	0.0	0
<i>O</i> _{CIE}	39.92	58.74	27.99	65.07	92
<i>Y</i> _{CIE}	81.26	-2.89	71.56	71.62	25
<i>L</i> _{CIE}	52.23	-42.42	13.6	44.55	162
<i>V</i> _{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^*

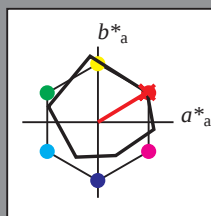
Hue texts:

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

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

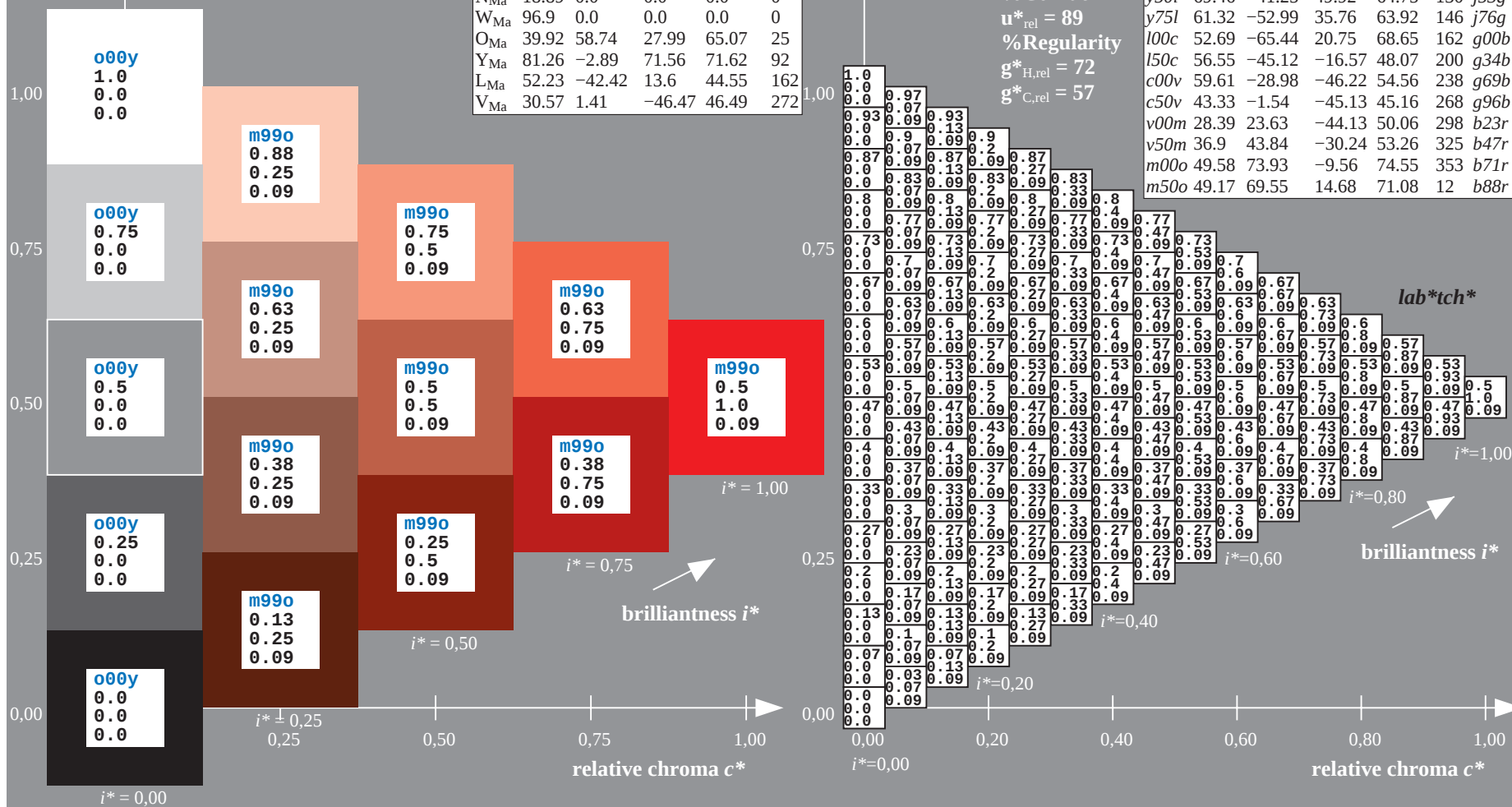
$u^*_{\text{rel}} = 89$

% 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
$o00y$	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^*

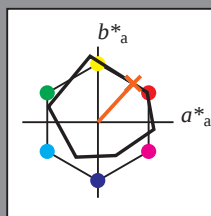
Hue texts:

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

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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

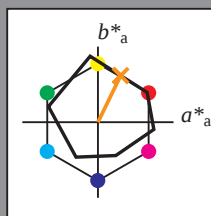
Hue texts:

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

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):

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

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

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

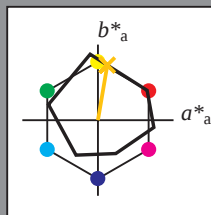
Hue texts:

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

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^*

lab^*tch^*

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

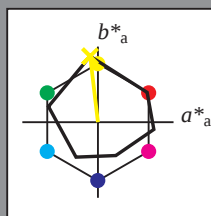
Hue texts:

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

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

lab^*tch^*

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

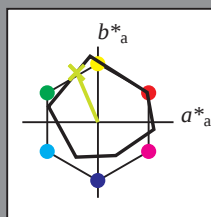
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

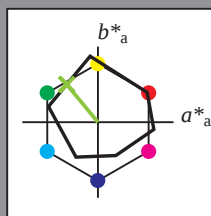
Hue texts:

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

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

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

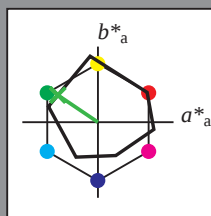
Hue texts:

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

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

lab^*tch^*

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

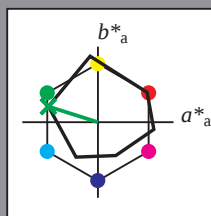
Hue texts:

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

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):

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

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

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

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

triangle lightness t^*

% Gamut

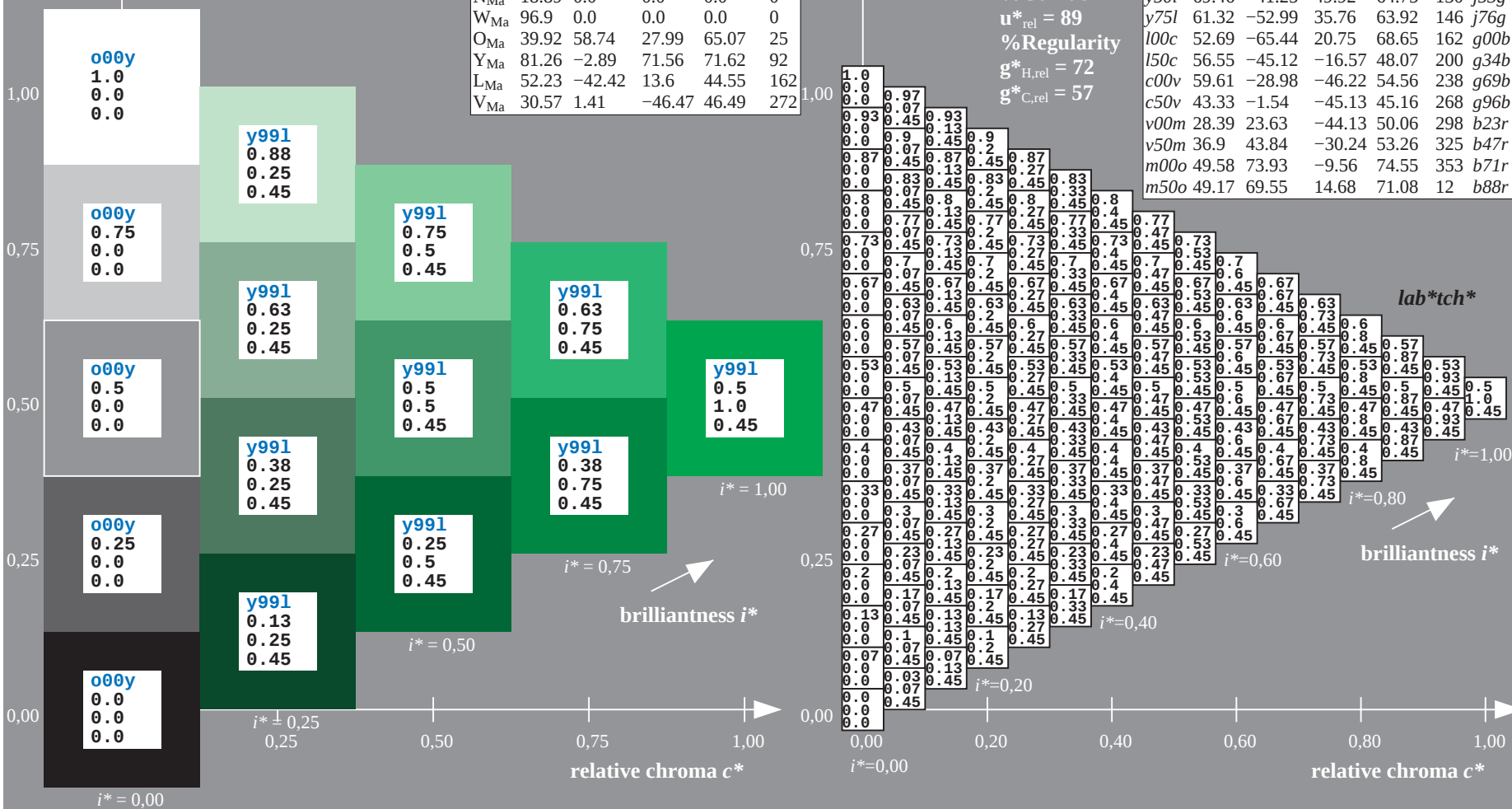
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						$u^*_d = 100c$ lab^*tch^*	
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^*

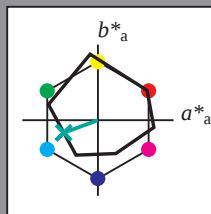
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

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

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

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

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

$u^*_d = 150c$
 lab^*tch^*

lab^*tch^*

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

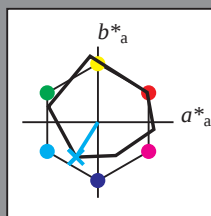
Hue texts:

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

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^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

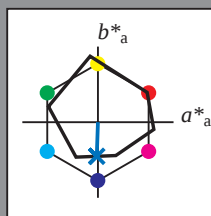
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

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

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

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

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

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

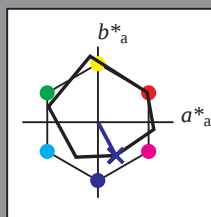
Hue texts:

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

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

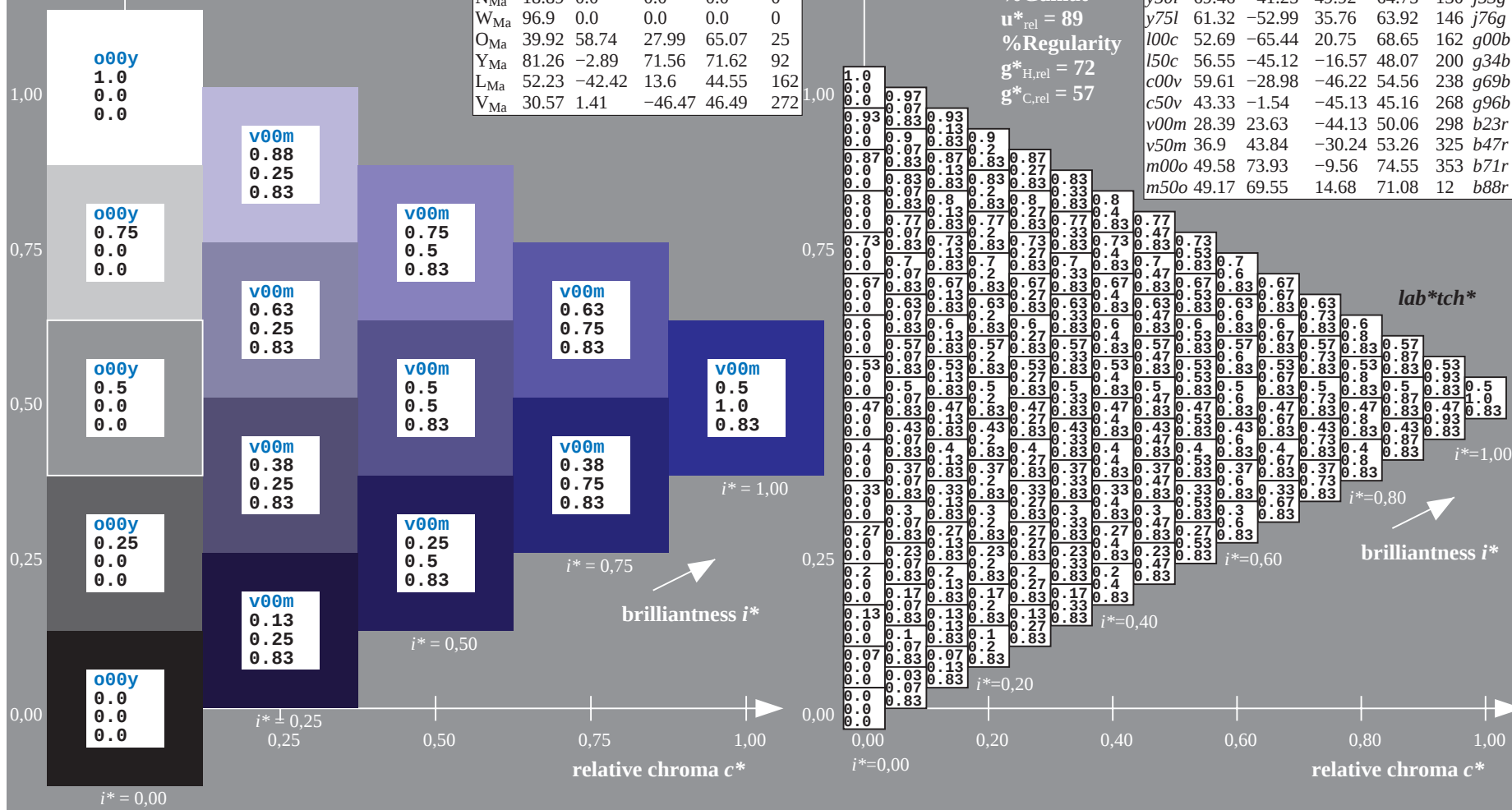
$g^*_{H,rel} = 72$

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

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

$u^*_d = v00m$
 lab^*tch^*



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^*

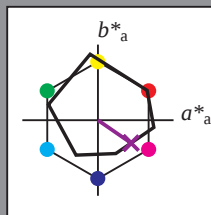
Hue texts:

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

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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

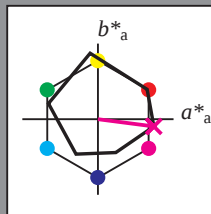
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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

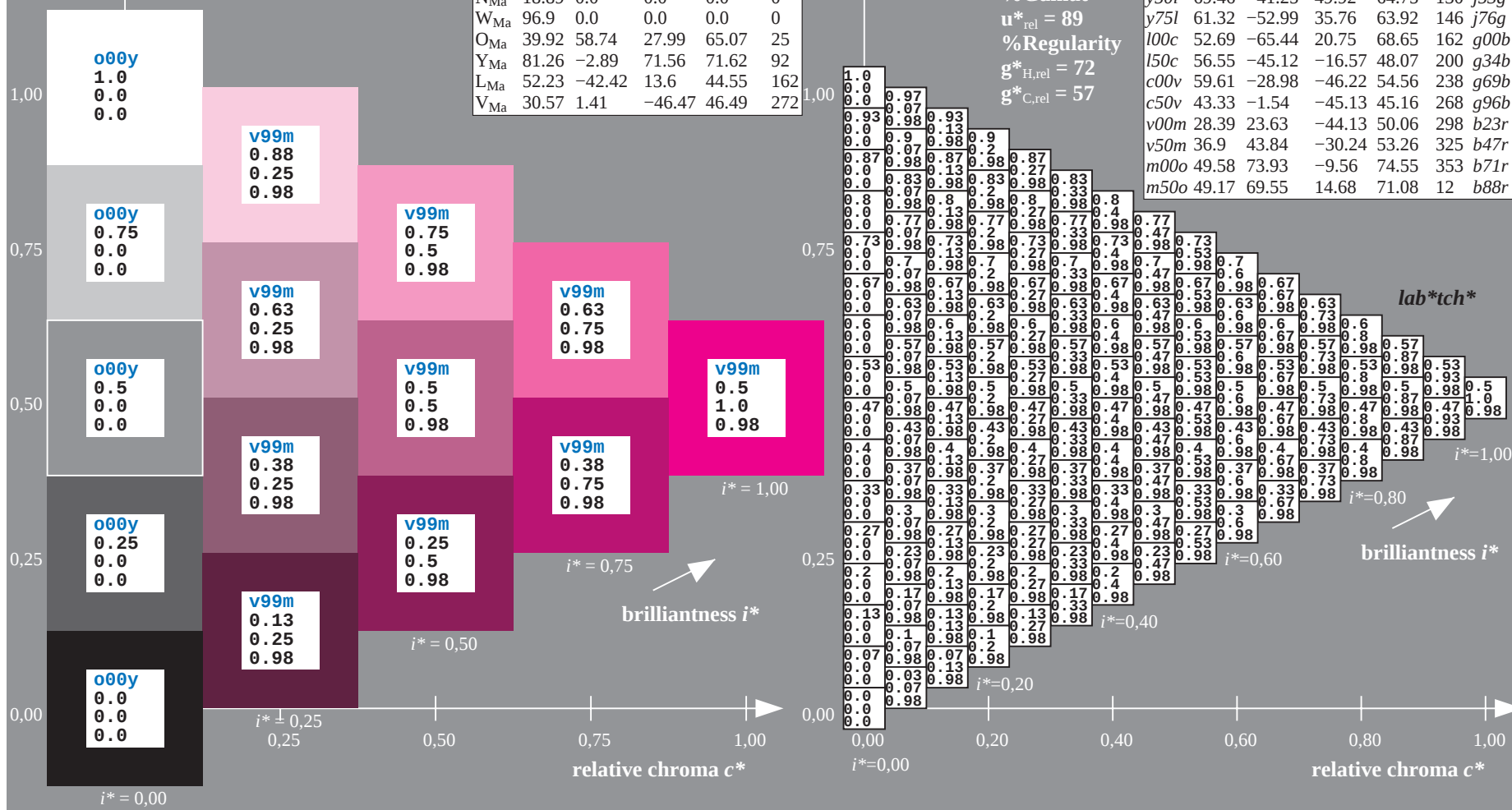
$g^*_{H,rel} = 72$

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

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

$u^*_d = m00o$
 lab^*tch^*



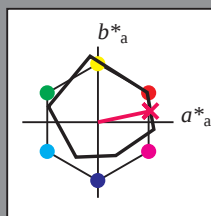
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.033$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = m500 \quad u_e^* = b88r$$

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 70 15

LAB*LCH* M_2 : 49 71 11

 $lab*ply*Ma: 1.0 \ 0.0 \ 0.5$

*lch**rch** : 1.0 0.0 0.24

1.0 0.0

triangle lightness t^*

0

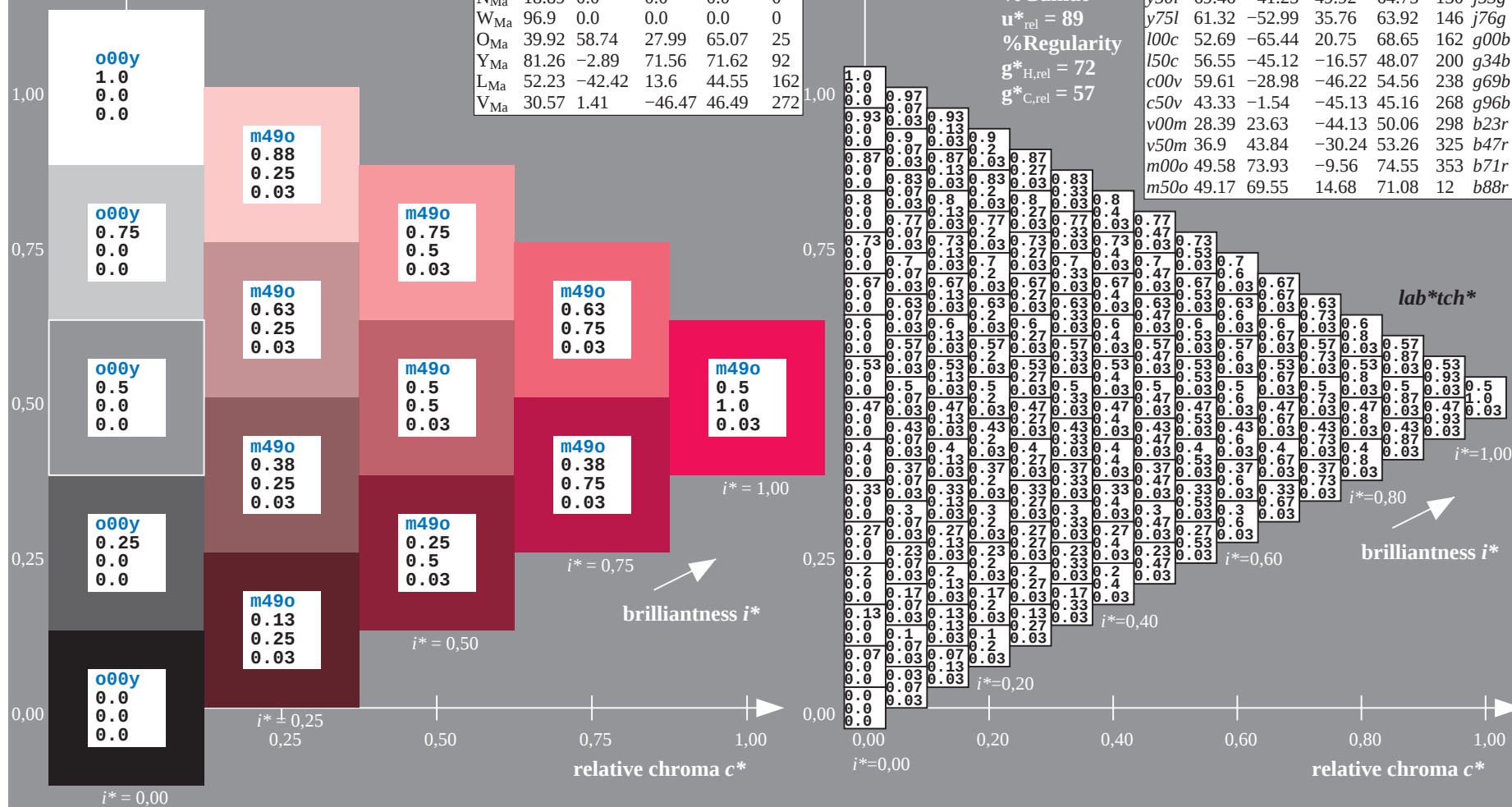
%Gamut

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

%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 Ee68; Colorimetric systems, Page 125/198
D65: colour scales and 9 data tables for 16 hues 000y to m75o

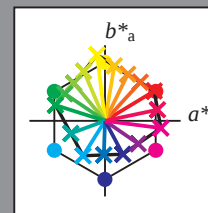
```
input: 000n / w / nnn0 / www set...
output: ->cmyn6* setcmykcolor
```


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

$u^*_{rel} = 89$

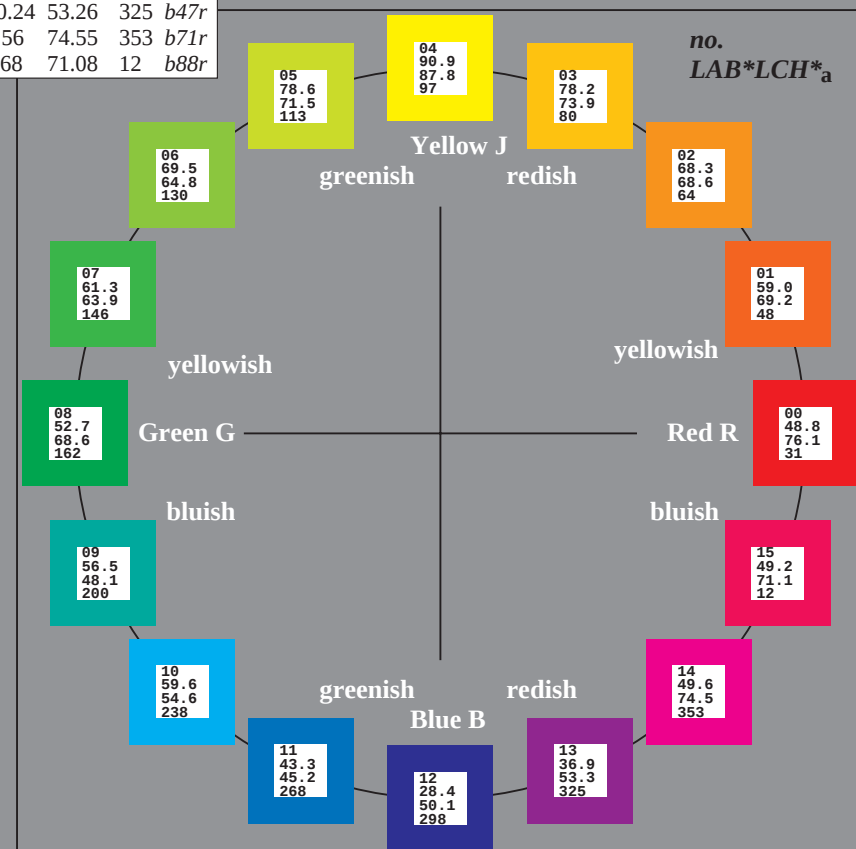
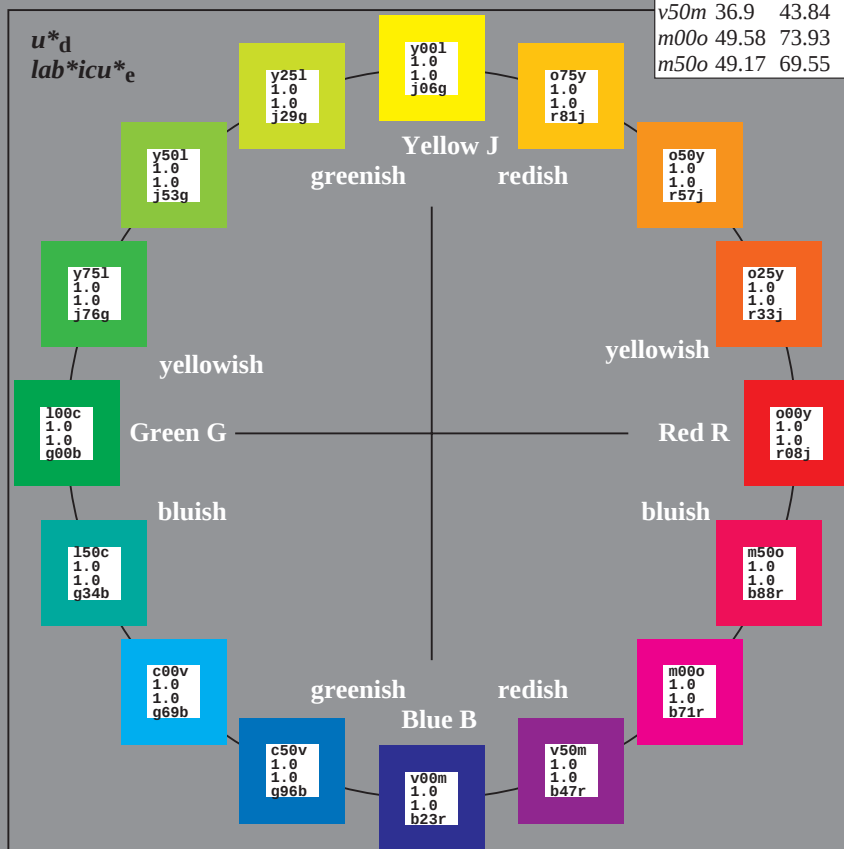
%Regularity

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

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

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 $h^* = lab^*h^* = h_{ab}/360 = 0.087$

data for any colour:

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

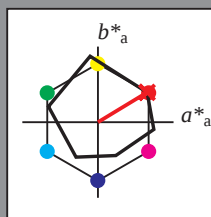
Hue texts:

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

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

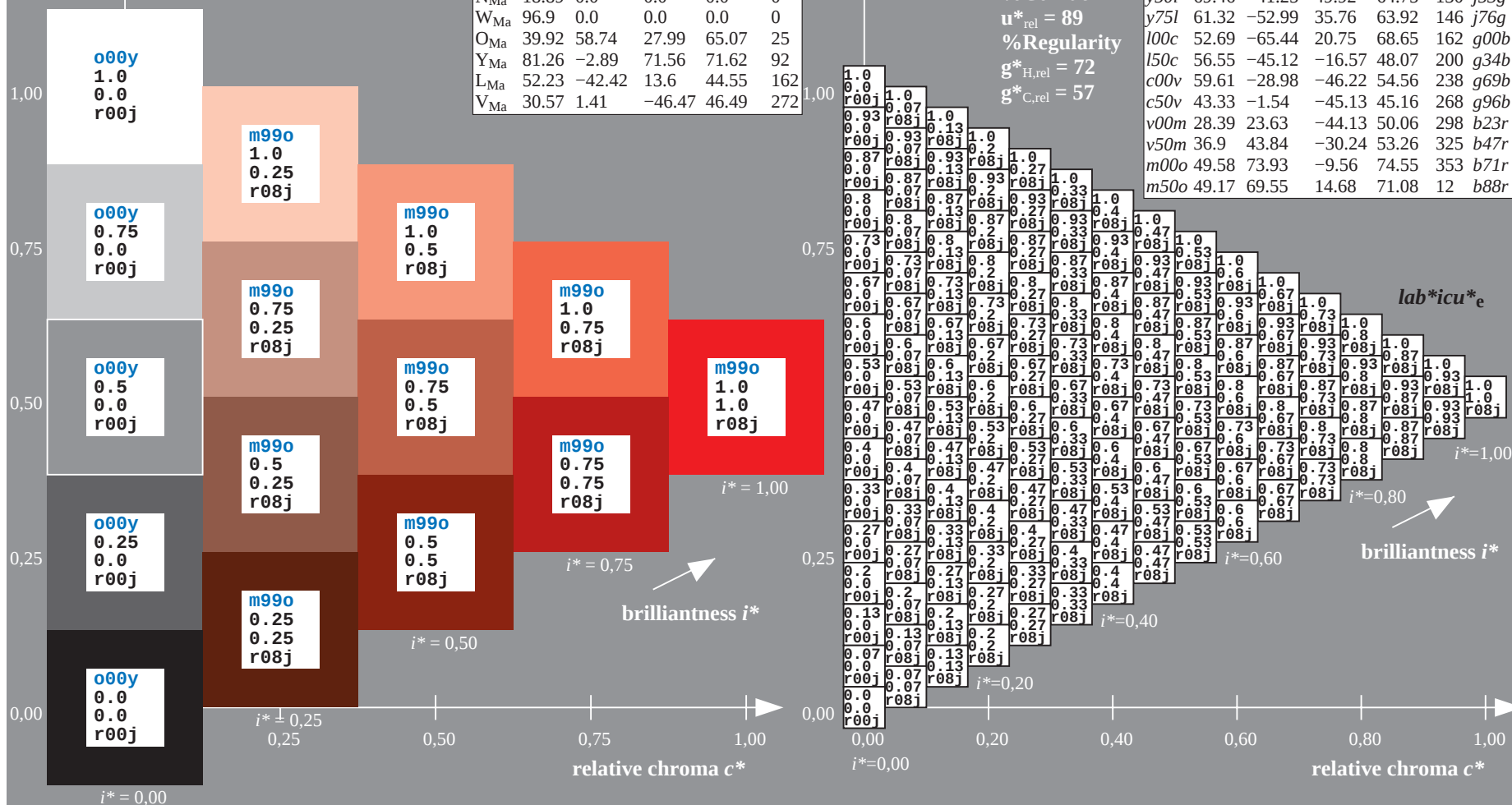
$u^*_{rel} = 89$

% 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^*

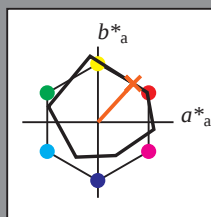
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$LAB^*LAB^*_{Ma}$: 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

$lab^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

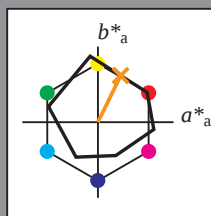
Hue texts:

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

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^*

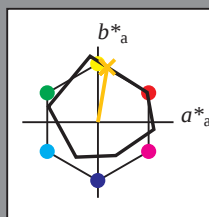
Hue texts:

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

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 $h^* = lab^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

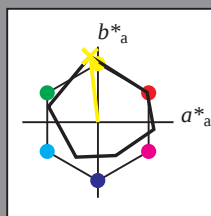
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$LAB^*LAB^*_{Ma}$: 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

$lab^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

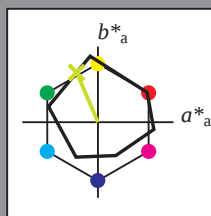
Hue texts:

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

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^*

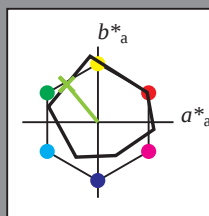
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$LAB^*LAB^*_{Ma}$: 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 $h^* = lab^*h^* = h_{ab}/360 = 0.406$

data for any colour:

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

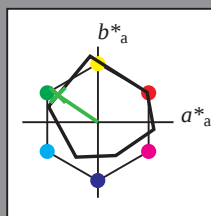
Hue texts:

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

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

$lab^*icu^*_e$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

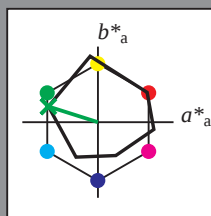
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$LAB^*LAB^*_{Ma}$: 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

$lab^*icu^*_e$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

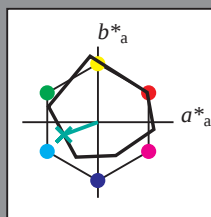
Hue texts:

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

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

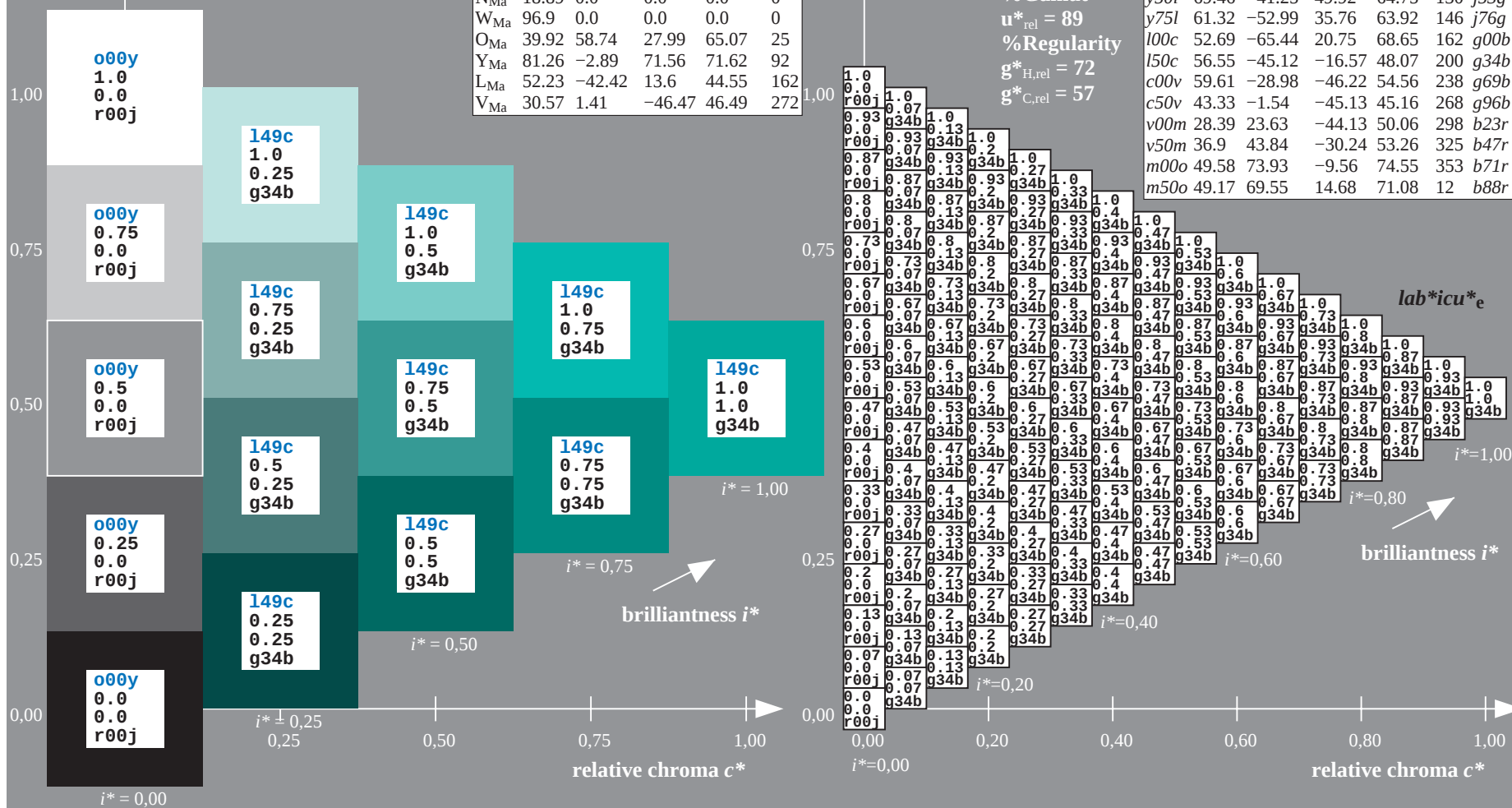
$u^*_{rel} = 89$

% 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

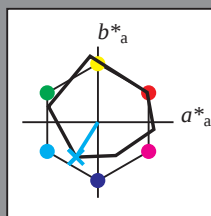
Hue texts:

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

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

$\text{lab}^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

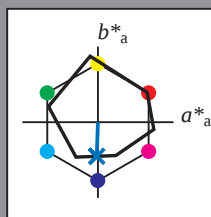
Hue texts:

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

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

$\text{lab}^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

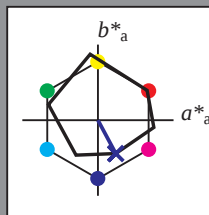
Hue texts:

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

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

$\text{lab}^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

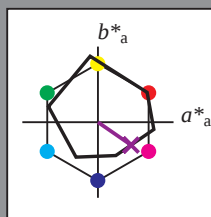
Hue texts:

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

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

$\text{lab}^*\text{icu}^*_e$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

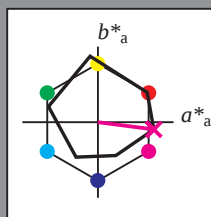
Hue texts:

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

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):

$LAB^*LAB^*_{Ma}$: 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

$lab^*icu^*_e$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.033$

data for any colour:

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

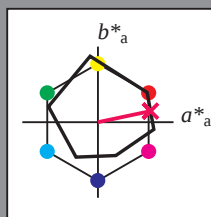
Hue texts:

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

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	$C^*_{ab,a}$	$h^*_{ab,a}$	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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

$\text{lab}^*icu^*_e$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

See for similar files: <http://www.ps.bam.de/Ee68/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=1

	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*				
01	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	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	0.13	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.13	0.13	0.13	0.13			
03	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.25	0.25	0.25	0.25		
04	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.38	0.38	0.38	0.38		
05	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5			
06	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	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.63	0.63	0.63	0.63		
07	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	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.75	0.75	0.75	0.75		
08	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	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.88	0.88	0.88	0.88		
09	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	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		
10	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
11	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
12	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
13	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
14	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
15	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	0.75	0.88	1.0	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63		
16	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	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75		
17	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	1.0	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		
18	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	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		
19	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
20	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
21	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
22	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	0.75	0.88	1.0	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
23	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	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
24	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	1.0	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
25	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	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		
26	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	
27	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	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	

Input and output:

Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

device hue text:

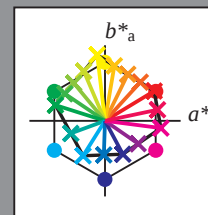
u^*_d = 16 hues *o00y*, *o25y*, ..., *m50o*

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

$u^*_{rel} = 89$

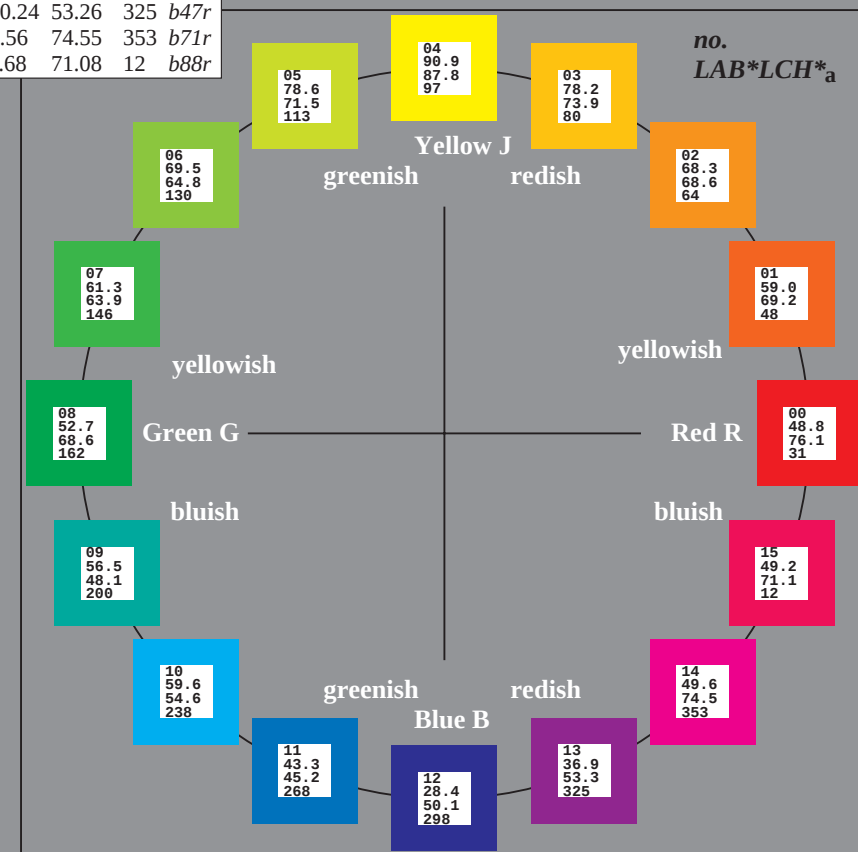
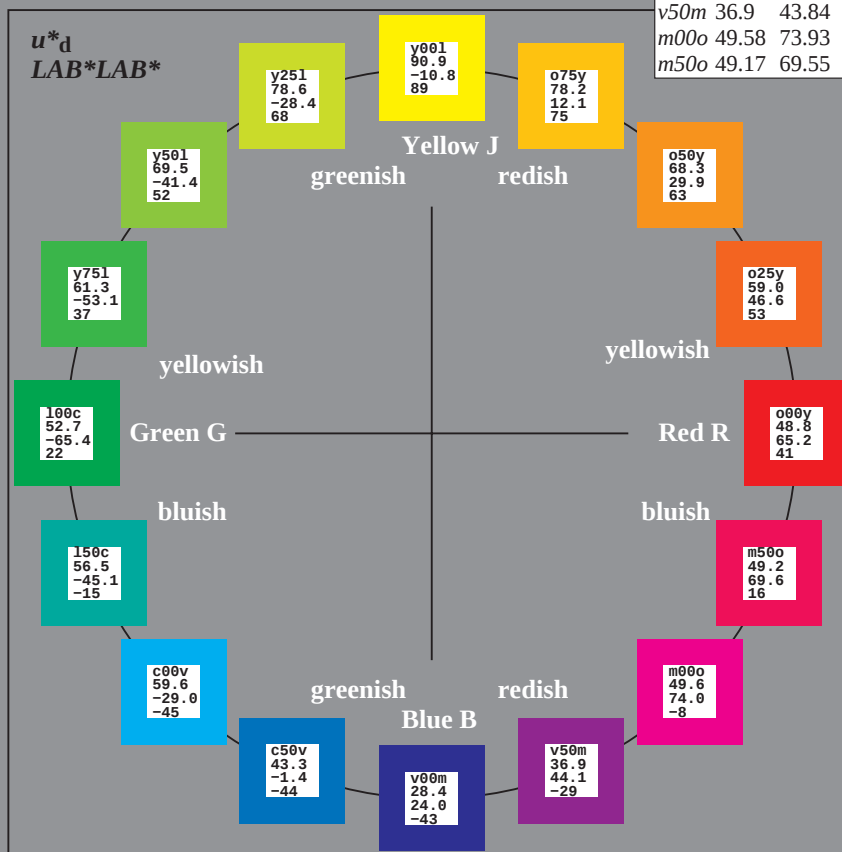
%Regularity

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

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

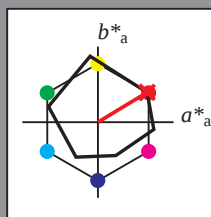
ORS19_96; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
<i>O_M</i>	48.75	65.16	40.76	76.86	32
<i>Y_M</i>	90.92	-10.78	89.36	90.01	97
<i>L_M</i>	52.69	-65.4	22.15	69.05	161
<i>C_M</i>	59.61	-29.04	-44.69	53.3	237
<i>V_M</i>	28.39	24.0	-43.18	49.4	299
<i>M_M</i>	49.58	74.01	-8.22	74.47	354
<i>N_M</i>	18.89	0.5	0.77	0.92	57
<i>W_M</i>	96.9	-0.57	2.23	2.3	104
<i>O_CIE</i>	39.92	58.74	27.99	65.07	25
<i>Y_CIE</i>	81.26	-2.89	71.56	71.62	92
<i>L_CIE</i>	52.23	-42.42	13.6	44.55	162
<i>V_CIE</i>	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	$L^*=L^*_a$	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^*

$i^*=1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

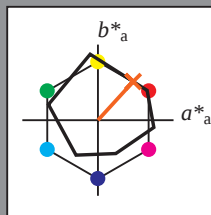
Hue texts:

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

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

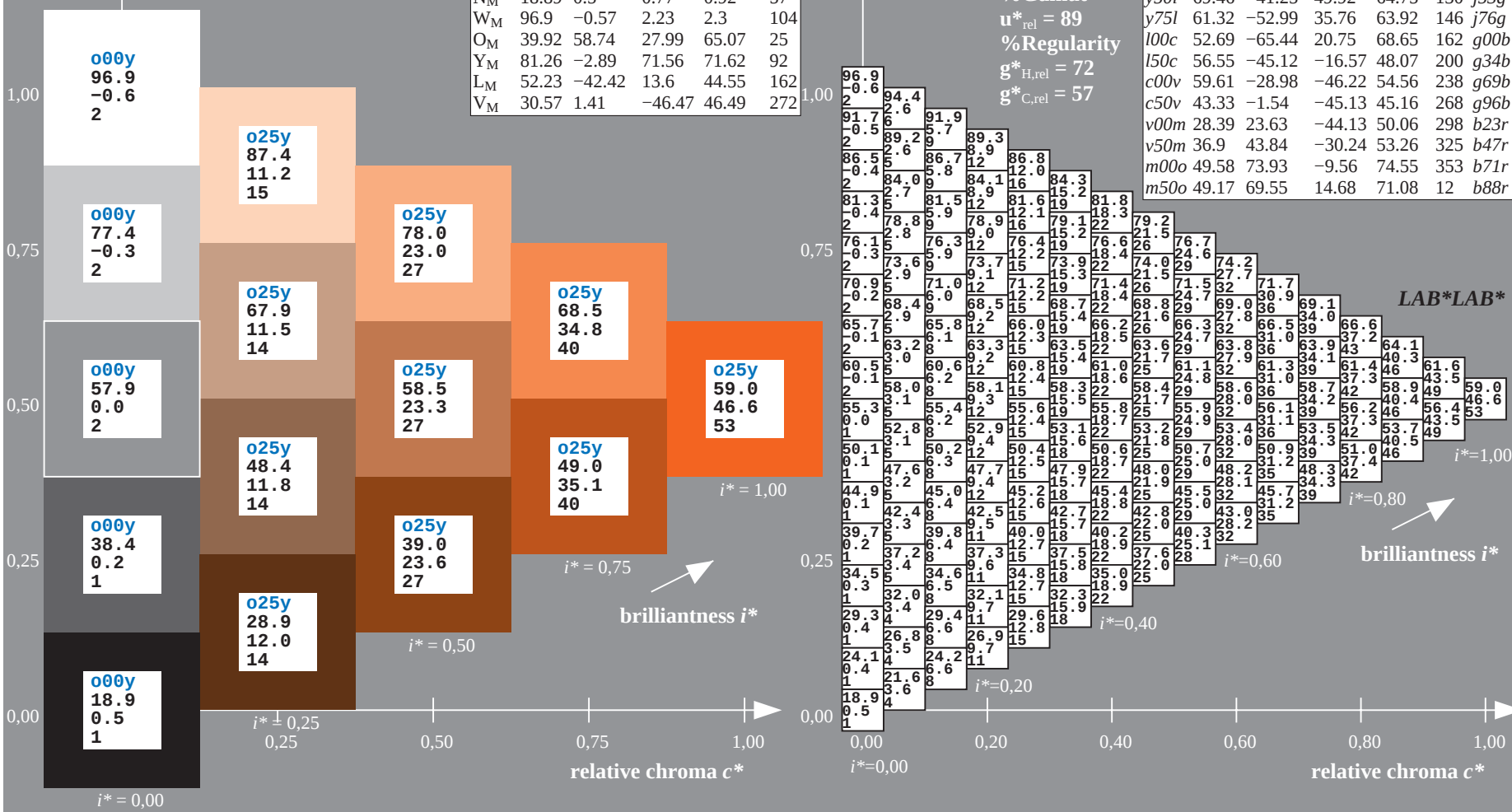
$g^*_{H,rel} = 72$

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

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	$b88r$

$u^*_d = o25y$
 LAB^*LAB^*



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^*

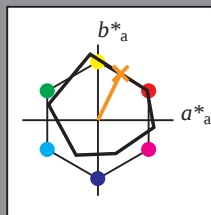
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

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

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

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

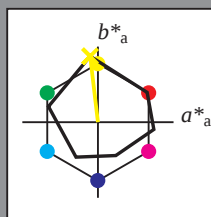
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

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

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

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^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

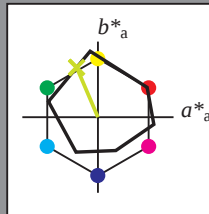
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.314$
data for any colour: Data for maximum colour (Ma):

lab*tch* and lab*icu*

Hue texts:

$$u_d^* = y25l \quad u_e^* = j29g$$

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	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**M₂: 79 -28 66

LAP*ICH* - : 70 72 112

LAB LCH Ma: 79 72 11

*lab*olv**Ma: 0.75 1.0 0.0

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

triangle lightness t^*

88

%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>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>	

*LAB*LAB**

 $i^*=1,00$ brilliantness *i**

BAM-test chart Ee68; Colorimetric systems, Page 151/198
D65: colour scales and 9 data tables for 16 hues 000y to m75o

```
input: 000n / w / nnn0 / www set...
output: ->cmyn6* setcmykcolor
```

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^*

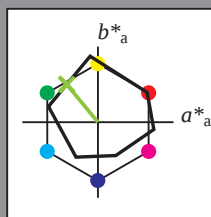
Hue texts:

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

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

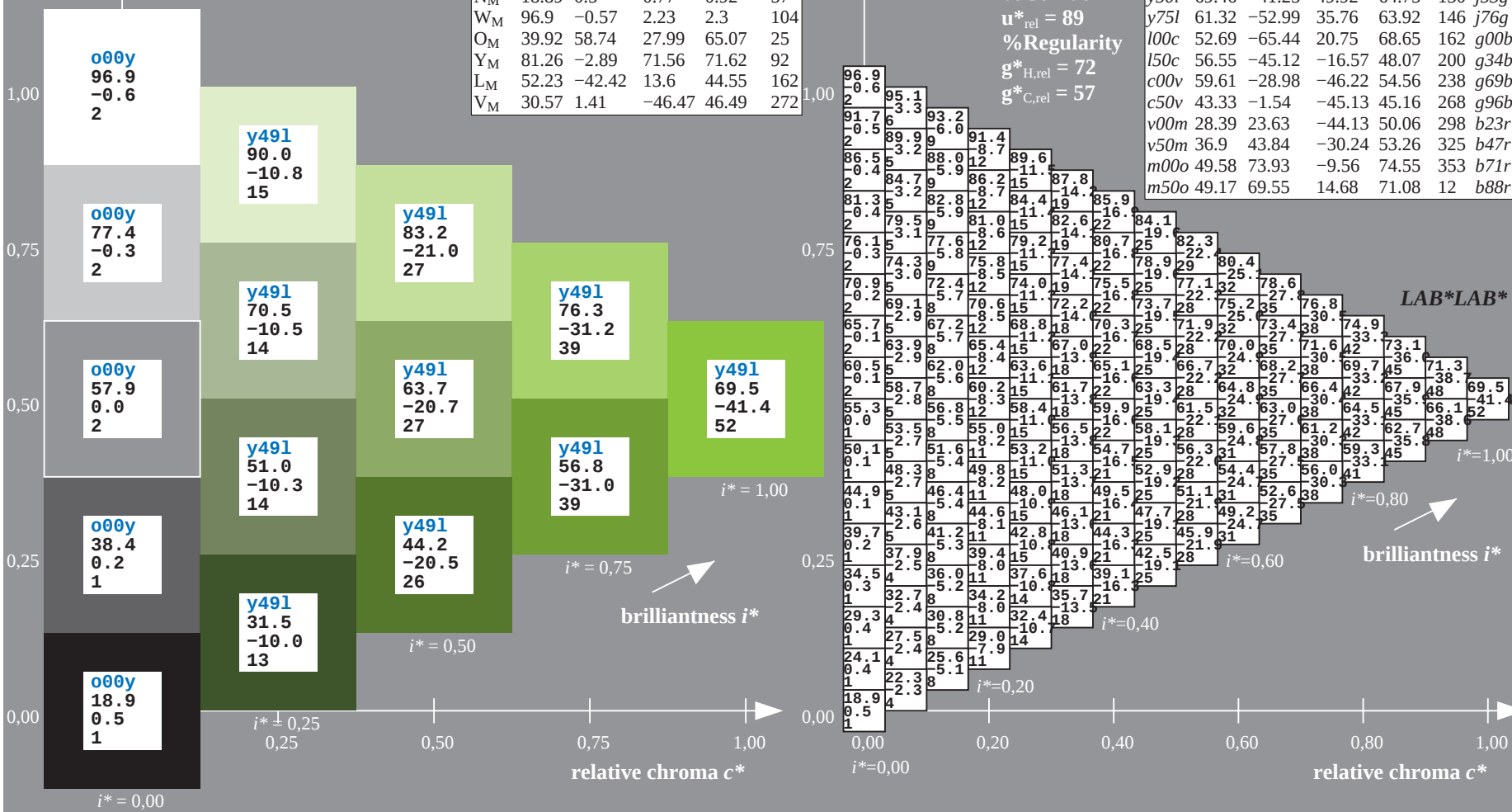
$u^*_{\text{rel}} = 89$

%Regularity

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

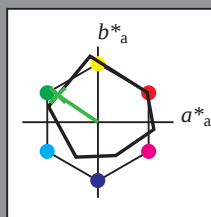
$g^*_{C,\text{rel}} = 57$

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			



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_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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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

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

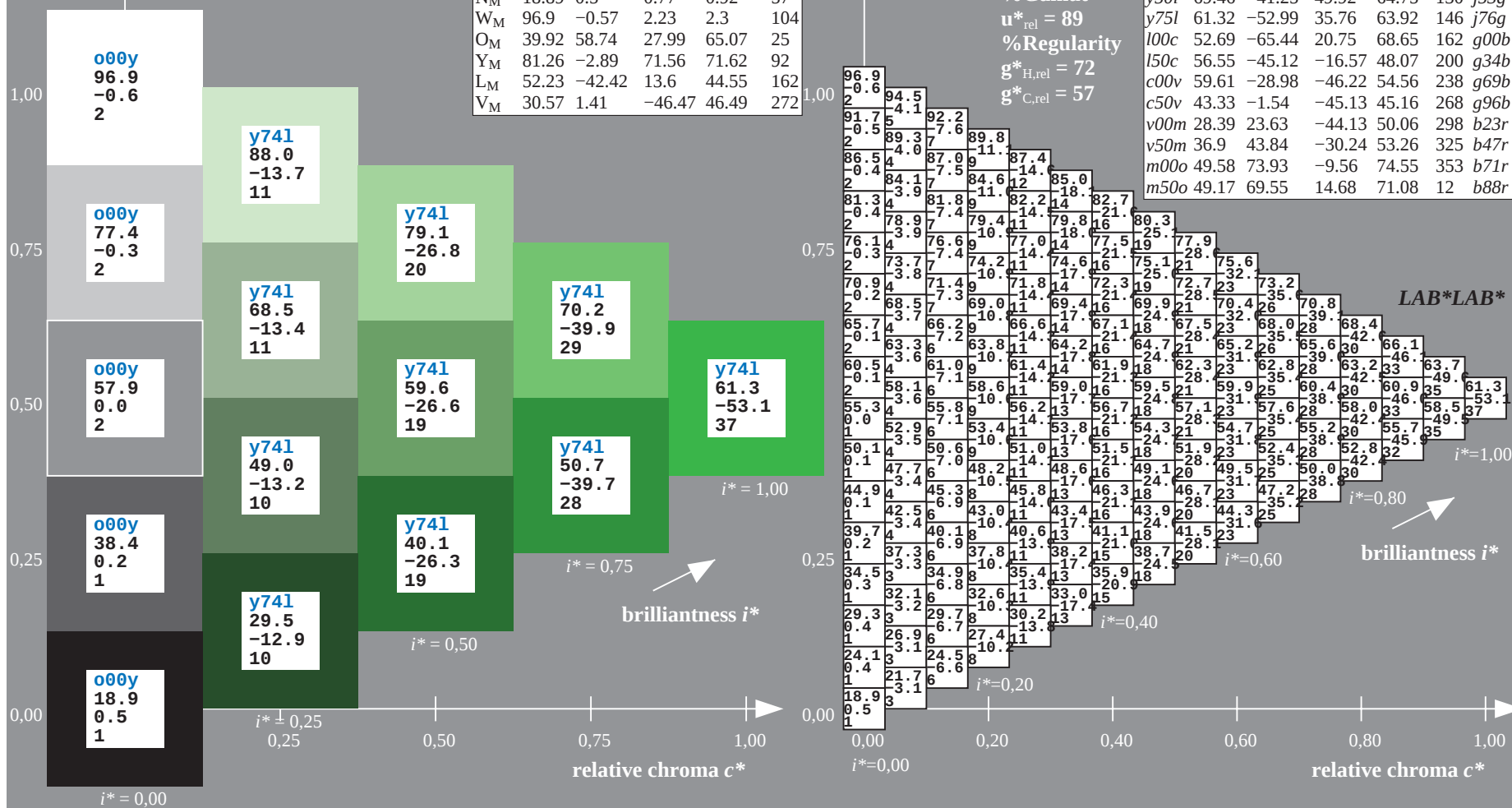
%Regularity

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

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

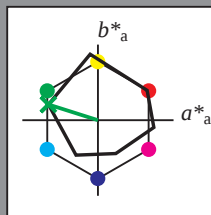
ORS19_96a; adapted (a) CIELAB data									
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e			
o00y	48.75	65.07	39.43	76.08	31	r08j			
o25y	59.04	46.67	51.1	69.21	48	r33j			
o50y	68.32	30.09	61.62	68.58	64	r57j			
o75y	78.23	12.39	72.85	73.9	80	r81j			
y00l	90.92	-10.29	87.24	87.85	97	j06g			
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			

$u^*_d = y75l$
 LAB^*LAB^*



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):

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

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

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

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

triangle lightness t^*

%Gamut

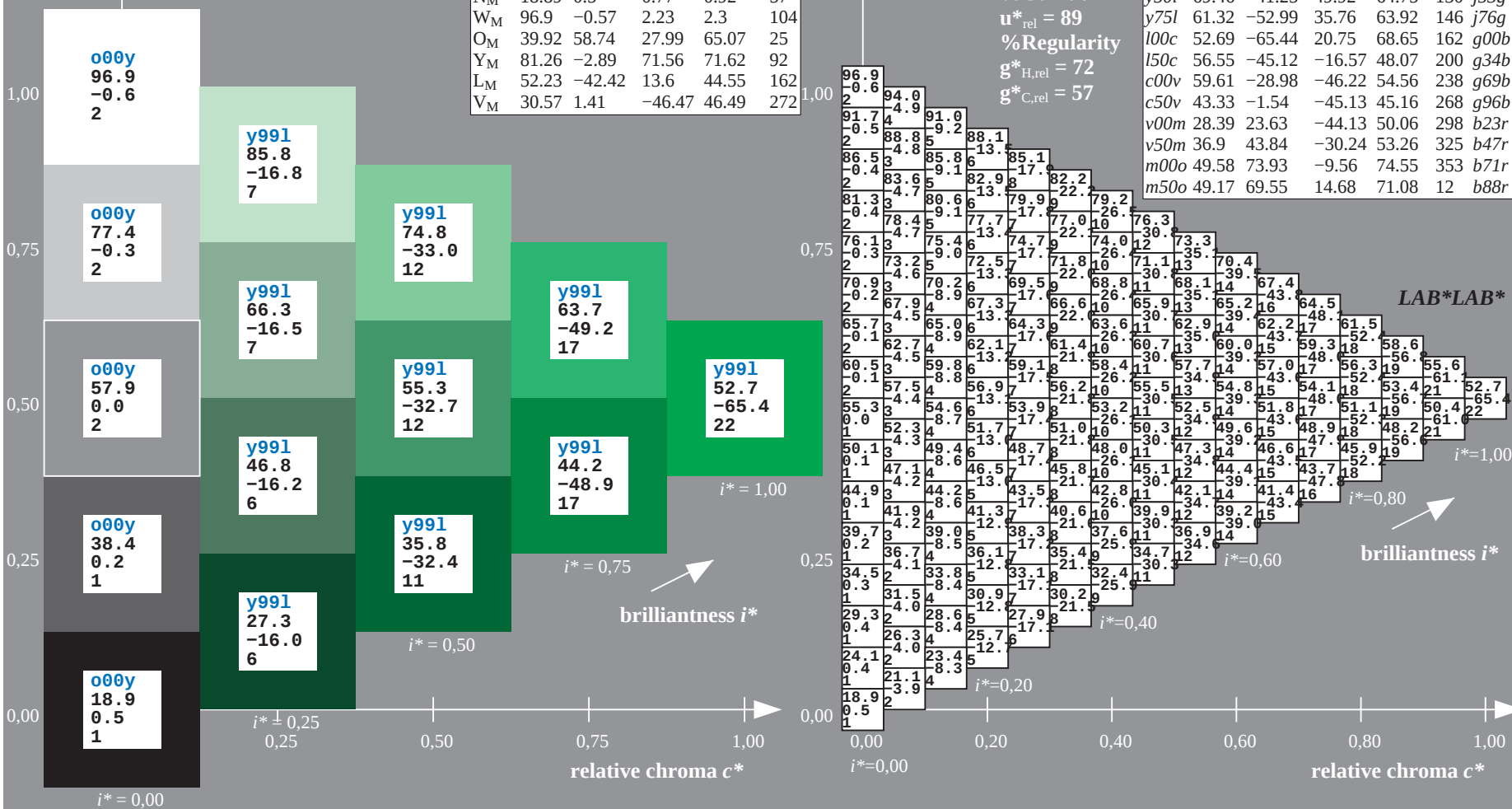
$u^*_{rel} = 89$

%Regularity

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

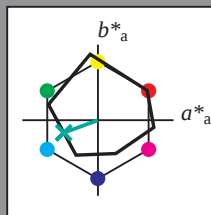
$g^*_{C,rel} = 57$

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	$b88r$			



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	$L^*=L^*_a$	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

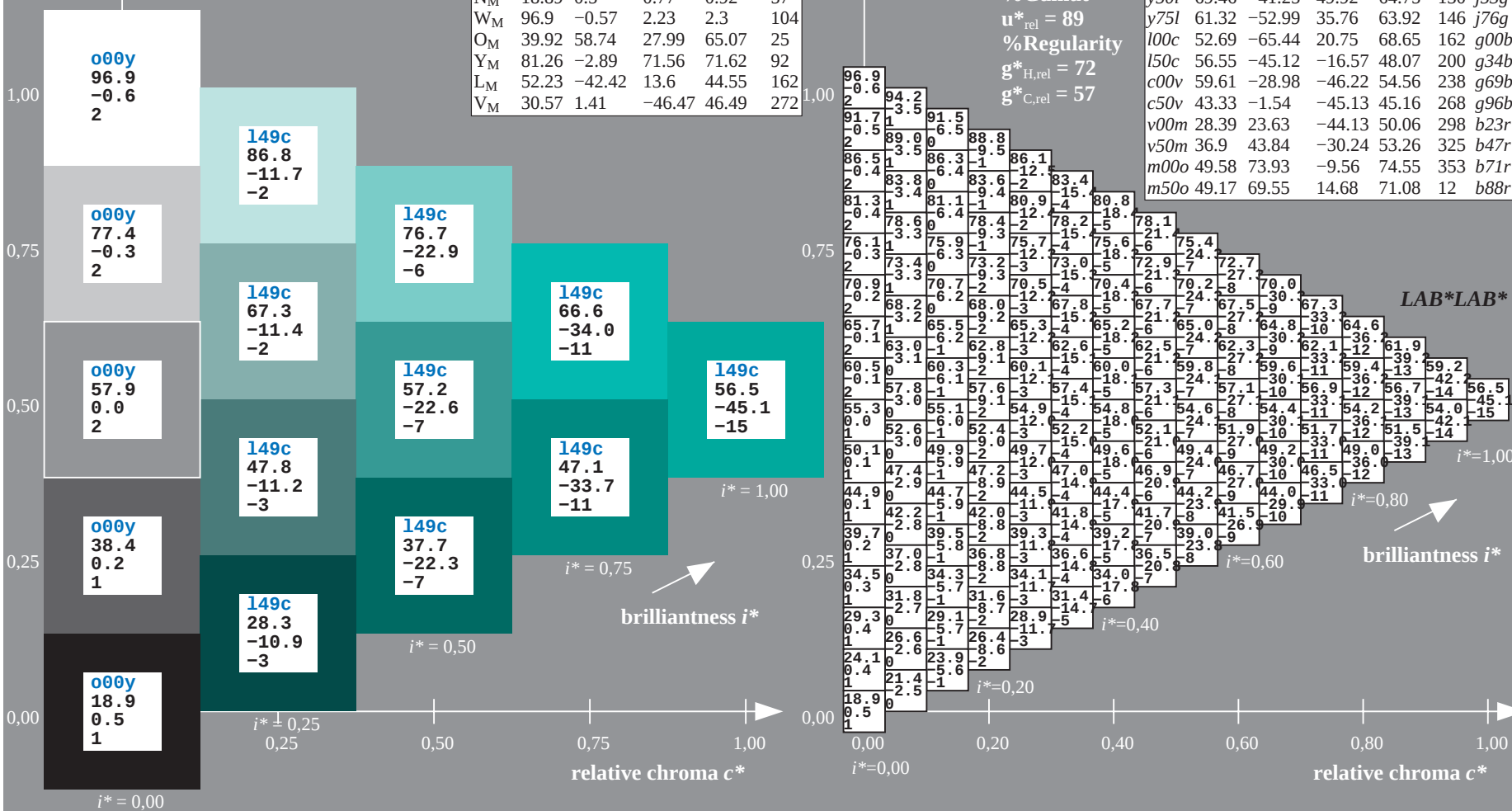
$u^*_{rel} = 89$

%Regularity

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

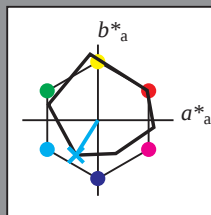
$g^*_{C,rel} = 57$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$
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_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):

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

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

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

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

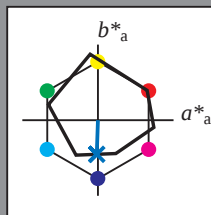
$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

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

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

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

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

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

brilliantness i^*

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^*

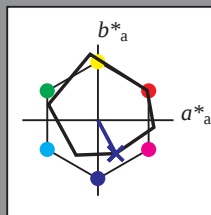
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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	$b88r$

$u^*_d = v00m$

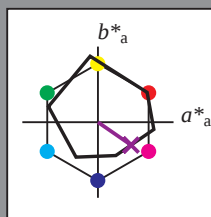
LAB^*LAB^*

LAB^*LAB^*

brilliantness i^*

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^*

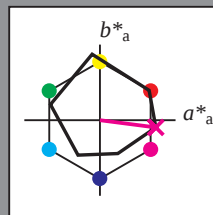
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab} \cdot h^* = h_{ab}/360 = 0.98$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u_d^* = m00o \quad u_e^* = b71r$$

contrast reduction factor:

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

ORS19_96; CIELAB data						
u^*_d	L^*_{-T}	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		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		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		16
V _M	30.57	1.41	-46.47	46.49		27

Data for maximum colour (Ma):

LAB*LAB*Ma: 50 74 -10

LAB*LCH*M₂: 50 75 352

lab*oly*_M2: 1.0 0.0 1.0

*lab*rgb*_Ma*: 1.0 0.0 0.58

triangle lightness t^*

100

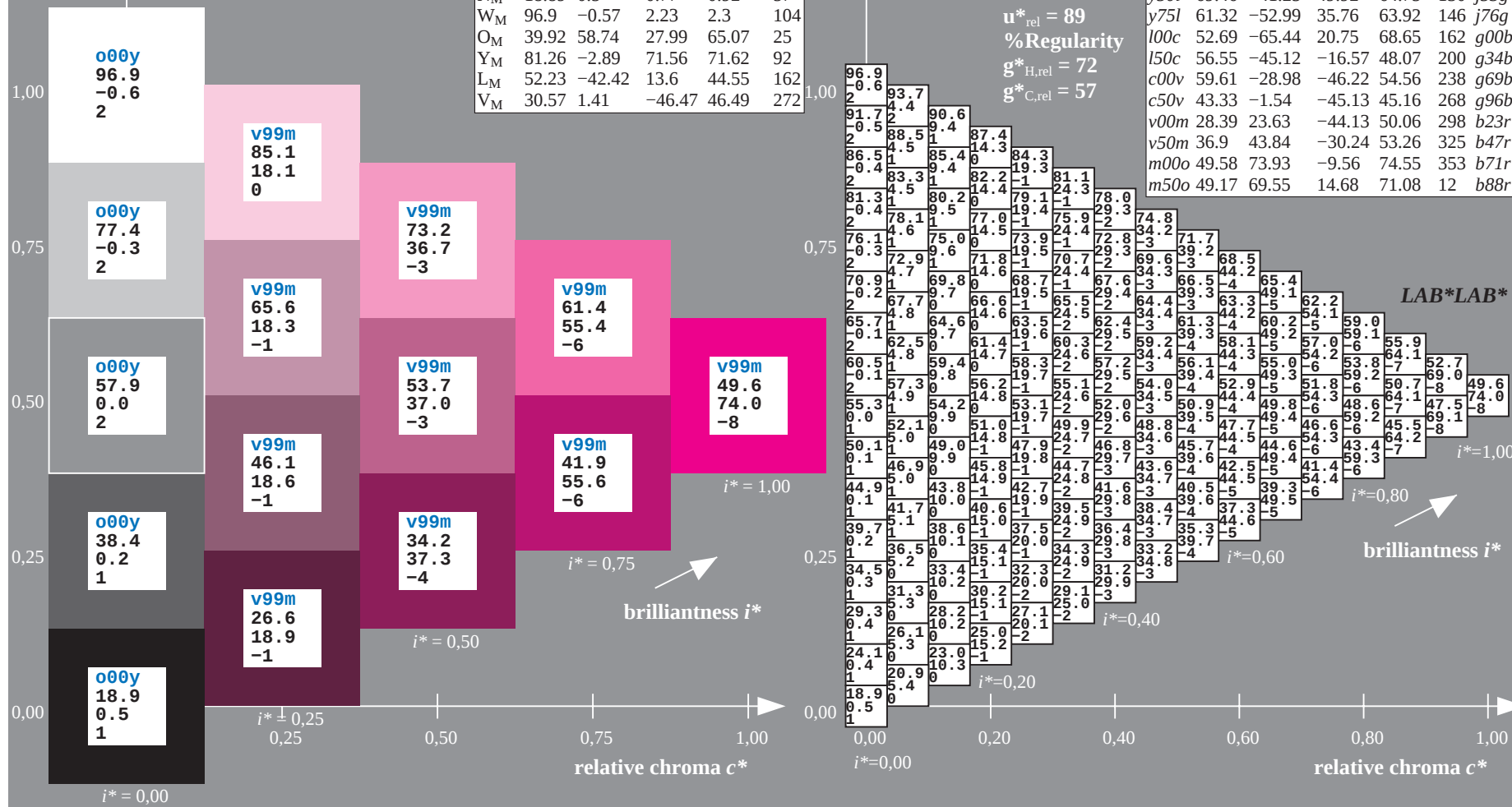
%Gamut

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

%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 Ee68; Colorimetric systems, Page 160/198
D65: colour scales and 9 data tables for 16 hues 000° to 750°

```
input: 000n / w / nnn0 / www set...
output: ->cmyn6* setcmykcolor
```

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^*

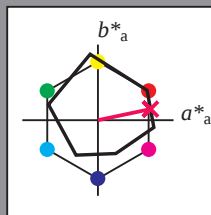
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

$LAB^*LAB^*_Ma$: 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	$b88r$

LAB^*LAB^*

brilliantness i^*

See for similar files: <http://www.ps.bam.de/Ee68/>; www.ps.bam.de/Version 2.1, io=1,1, ColSpX=1
Technical information: <http://www.ps.bam.de>

BAM registration: 20081001-Ee68/10L/L68E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems

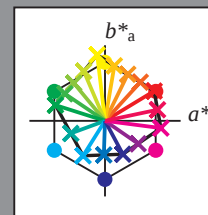
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*			
01	18.9	23.1	27.3	31.6	35.8	40.6	44.2	48.5	52.7	22.6	27.9	31.5	35.8	40.1	44.4	48.6	52.9	57.2	26.4	31.2	36.9	40.1	44.2	48.4	52.7	57.0	61.3	66.9	70.9	84.9	78.8	72.8	66.8	60.8	54.8	48.7	18.9	18.9	18.9	18.9	
02	0.5	-7.7	-16.0	-24.2	-32.4	-40.7	-48.9	-57.2	-65.4	8.6	-0.9	-10.6	-18.1	-26.3	-34.4	-42.6	-50.8	-59.0	16.7	7.9	-2.3	-12.1	-20.5	-28.6	-36.8	-44.9	-53.1	-0.6	7.6	15.9	24.1	32.3	40.5	48.7	56.9	65.2	0.5	0.5	0.5	0.5	
03	2.0	24.0	28.3	32.6	36.9	41.2	45.5	49.7	54.0	22.7	28.6	32.9	37.1	41.3	45.5	49.8	54.0	58.2	26.5	32.4	37.6	41.3	45.6	49.9	54.1	58.4	62.7	92.2	81.7	81.1	75.1	69.1	63.1	57.1	51.0	45.0	28.6	28.6	28.6	28.6	
04	3.4	-3.2	-10.8	-18.6	-26.5	-34.5	-42.5	-50.6	-58.7	7.9	0.4	-7.9	-16.1	-24.3	-32.6	-40.8	-49.1	-57.3	17.8	8.4	-1.0	-10.1	-18.3	-26.4	-34.6	-42.8	-50.9	-0.4	7.8	16.0	24.2	32.4	40.6	48.8	57.0	65.2	0.4	0.4	0.4	0.4	
05	-5	-5	-3	-1	1	3	5	7	9	23.4	29.3	33.7	38.1	42.4	46.7	51.0	55.2	59.5	26.6	32.5	38.4	42.6	46.8	51.1	55.3	59.5	63.7	87.6	82.5	77.4	71.4	65.4	59.3	53.3	47.3	41.3	38.4	38.4	38.4	38.4	
06	6.4	0.0	-6.9	-14.7	-22.3	-30.0	-37.7	-45.6	-53.5	11.4	3.3	-3.3	-11.0	-18.8	-26.6	-34.6	-42.6	-50.7	18.9	9.6	0.2	-8.0	-16.2	-24.5	-32.7	-41.0	-49.2	-7.7	-4.0	-0.3	7.9	16.1	24.3	32.6	40.8	49.0	57.2	0.2	0.2	0.2	0.2
07	-10	-18	-11	-9	-7	-6	-4	-2	0	7	-5	5	3	-1	1	3	5	8	1	0	1	6	9	12	14	17	20	23	-4	2	7	12	16	21	26	31	36	1	1	1	1
08	22.5	26.3	29.9	34.2	38.4	42.8	47.1	51.5	55.8	24.0	31.0	34.8	38.8	43.1	47.5	51.8	56.1	60.4	26.9	33.1	39.6	43.5	47.8	52.1	56.4	60.7	65.0	82.9	77.8	72.7	67.6	61.6	55.6	49.6	43.6	37.6	48.1	48.1	48.1	48.1	
09	9.3	2.8	-3.3	-10.2	-18.5	-26.1	-33.7	-41.4	-49.1	14.2	6.2	-0.7	-7.0	-14.9	-22.5	-30.1	-37.9	-45.7	18.8	11.3	3.2	-3.5	-11.2	-19.8	-28.6	-37.4	-46.2	-1.0	-7.4	-15.0	-22.7	-30.4	-38.1	-45.8	-53.5	-61.2	9.3	9.3	9.3	9.3	
10	23.6	27.6	31.1	34.8	38.2	43.5	47.8	52.2	56.5	25.7	32.2	36.0	39.6	43.9	48.2	52.5	56.8	61.2	27.9	34.3	40.8	44.5	48.6	52.9	57.2	61.6	65.9	78.3	73.2	68.1	63.0	57.9	51.9	45.9	39.8	33.8	57.9	57.9	57.9	57.9	
11	12.3	5.6	-0.4	-6.7	-12.4	-19.3	-27.3	-35.7	-44.5	11.7	9.2	7	-3.4	-10.7	-18.7	-26.3	-34.1	-42.2	3.3	14.1	6.1	-0.2	-7.8	-15.2	-22.6	-30.3	-38.0	-14.1	-11.1	-7.4	-3.7	0.0	8.2	16.4	24.6	32.8	0.0	0.0	0.0	0.0	
12	-21	-21	-22	-22	-22	-22	-22	-18	-17	-15	-18	-16	-16	-16	-14	-12	-11	-9	-14	-12	-10	-10	-8	-7	-5	-3	-2	-16	-10	-4	2	6	11	16	21	2	2	2	2		
13	28.4	28.8	32.2	35.9	39.8	44.3	48.6	52.9	57.3	26.9	33.4	37.3	40.9	44.5	49.0	53.3	57.6	61.9	29.0	35.5	42.0	45.8	49.4	53.7	57.9	62.3	66.6	73.6	68.5	63.4	58.3	53.2	48.1	42.1	36.1	30.1	67.6	67.6	67.6	67.6	
14	15.2	8.4	2.3	-3.7	-10.2	-18.0	-26.1	-33.8	-41.4	20.9	12.1	5.4	-0.6	-6.8	-14.4	-22.5	-30.1	-37.7	25.1	17.0	9.0	2.5	-3.5	-10.8	-18.8	-26.4	-34.0	-14.7	-11.0	-7.3	-3.6	0.1	8.3	16.5	24.7	-0.2	-0.2	-0.2	-0.2		
15	-27	-27	-27	-27	-27	-28	-25	-23	-22	-23	-21	-21	-21	-21	-22	-22	-19	-16	-20	-18	-15	-16	-16	-16	-14	-12	-11	-27	-21	-16	-10	-4	1	6	11	16	2	2	2	2	
16	26.0	30.1	33.7	37.2	40.8	44.4	48.4	53.7	58.0	28.1	34.6	38.6	42.2	45.7	49.5	54.1	58.3	62.7	30.2	36.9	43.1	47.1	50.6	54.3	58.8	63.0	67.3	68.9	63.8	58.8	53.7	48.6	43.5	38.4	32.4	26.4	77.4	77.4	77.4	77.4	
17	18.1	11.3	5.1	-0.9	-7.0	-13.8	-21.7	-29.7	-38.7	62.3	0.0	15.1	8.3	2.2	-3.8	-18.1	-26.3	-33.9	27.9	12.0	5.1	-0.7	-7.0	-14.5	-22.6	-30.2	-21.9	-18.2	-14.5	-10.8	-7.2	-3.5	0.2	8.4	16.6	24.7	-0.3	-0.3	-0.3	-0.3	
18	-32	-32	-33	-33	-33	-33	-33	-31	-29	-29	-27	-27	-27	-27	-27	-25	-23	-25	-23	-21	-21	-21	-21	-21	-22	-22	-19	-18	-13	-7	-2	1	6	11	2	2	2	2			
19	27.2	31.3	35.0	38.5	42.1	45.8	49.8	54.5	58.7	29.3	35.8	39.8	43.5	47.0	50.6	54.5	59.2	63.4	31.3	37.8	44.3	48.3	51.9	55.5	59.3	63.8	68.1	64.3	59.2	54.1	49.0	43.9	38.8	33.7	28.6	22.6	87.1	87.1	87.1	87.1	
20	21.1	14.1	7.9	1.8	-4.2	-10.5	-17.4	-25.3	-33.3	62.5	0.0	18.0	11.1	4.9	-1.0	-7.2	-13.9	-21.8	30.0	14.9	8.1	2.0	-4.0	-10.5	-18.2	-26.4	-25.5	-21.8	-18.1	-14.4	-10.7	-7.0	-3.3	0.4	8.6	16.7	-0.4	-0.4	-0.4	-0.4	
21	-38	-38	-38	-38	-38	-39	-39	-39	-36	-34	-32	-32	-32	-32	-33	-33	-31	-31	-29	-26	-27	-27	-27	-27	-27	-27	-25	-39	-33	-27	-22	-16	-10	-5	1	6	2	2	2	2	
22	28.4	32.5	36.2	39.8	43.3	46.9	50.7	54.9	59.6	30.5	37.0	41.0	44.7	48.3	51.8	55.5	59.6	64.3	32.5	39.0	45.5	49.4	53.2	56.7	60.3	64.3	68.9	59.6	54.5	49.4	44.3	39.2	34.2	29.1	24.0	18.9	96.9	96.9	96.9	96.9	
23	16.2	9.7	3.0	-0.4	-1.4	-5.7	-13.9	-21.9	-29.8	0.0	20.9	14.0	7.7	1.7	-4.3	-18.6	-17.5	-25.5	33.7	25.8	17.9	11.0	4.8	-1.2	-7.3	-14.0	-21.8	-29.6	-25.3	-21.7	-18.0	-14.3	-10.6	-6.9	-3.2	0.5	-0.6	-0.6	-0.6		
24	-43	-43	-44	-44	-44	-44	-44	-44	-41	-38	-38	-38	-38	-38	-38	-38	-38	-36	-34	-32	-32	-32	-32	-32	-32	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33	-33		
25	30.1	35.1	39.8	45.9	48.7	52.6	56.8	61.1	65.4	33.8	39.0	43.6	48.5	54.9	57.5	61.2	65.3	69.5	37.6	42.8	47.5	52.2	57.4	63.3	66.3	69.9	73.8	69.9	66.2	62.5	58.8	55.1	51.4	47.7	43.9	39.2	91.7	90.9	18.9	18.9	
26	16.2	9.7	3.0	-0.4	-1.4	-5.7	-13.9	-21.9	-29.8	0.0	20.9	14.0	7.7	1.7	-4.3	-18.6	-17.5	-25.5	33.7	25.8	17.9	11.0	4.8	-1.2	-7.3	-14.0	-21.8	-29.6	-25.3	-21.7	-18.0	-14.3	-10.6	-6.9	-3.2	0.5	-0.6	-0.6	-0.6		
27	23.6	27.6	31.1	34.8	38.2	43.5	47.8	52.2	56.5	25.7	32.2	36.0	39.6	43.9	48.2	52.5	56.8	61.2	27.9	34.3	40.8	44.5	48.6	52.9	57.2	61.6	65.9	78.3	73.2	68.1	63.0	57.9	51.9	45.9	39.8	33.8	57.9	57.9	57.9	57.9	
28	-21	-21	-22	-22	-22	-22	-22	-18	-17	-15	-18	-16	-16	-16	-14	-12	-11	-9	-14	-12	-10	-10	-8	-7	-5	-3	-2	-16	-10	-4	2	6	11	16	21	2	2	2	2		
29	28.4	28.8	32.2	35.9	39.8	44.3	48.6	52.9	57.3	26.9	33.4	37.3	40.9	44.5	49.0	53.3	57.6	61.9	29.0	35.5	42.0	45.8	49.4	53.7	57.9	62.3	66.6	73.6	68.5	63.4	58.3	53.2	48.1	42.1	36.1	30.1	67.6	67.6	67.6	67.6	
30	15.2	8.4																																							

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
<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

$u^*_{rel} = 89$

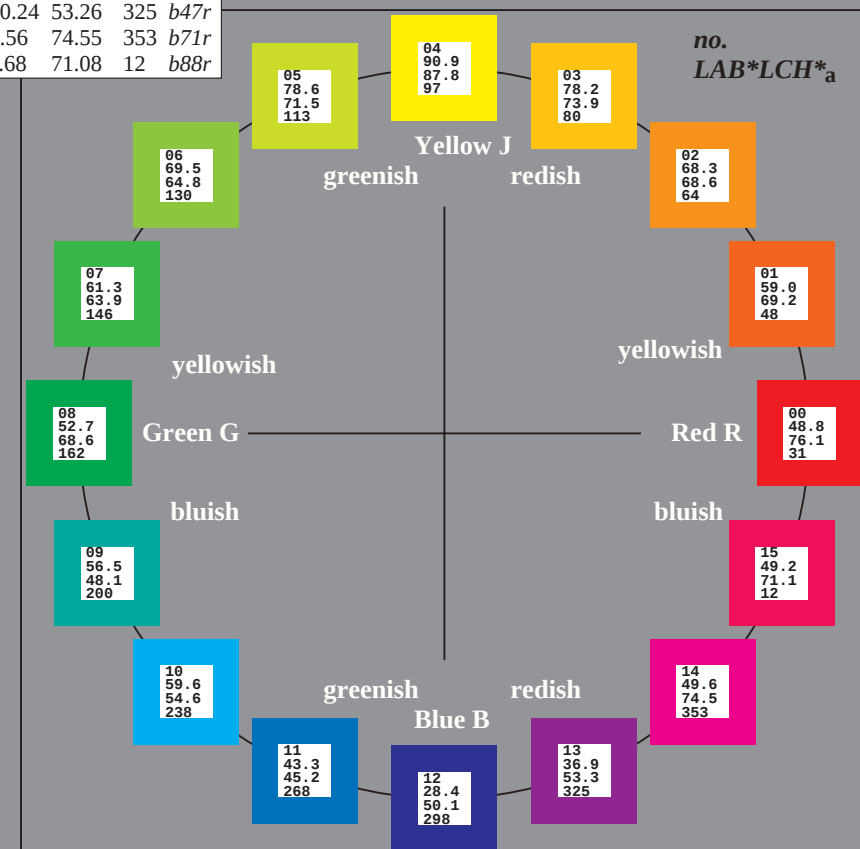
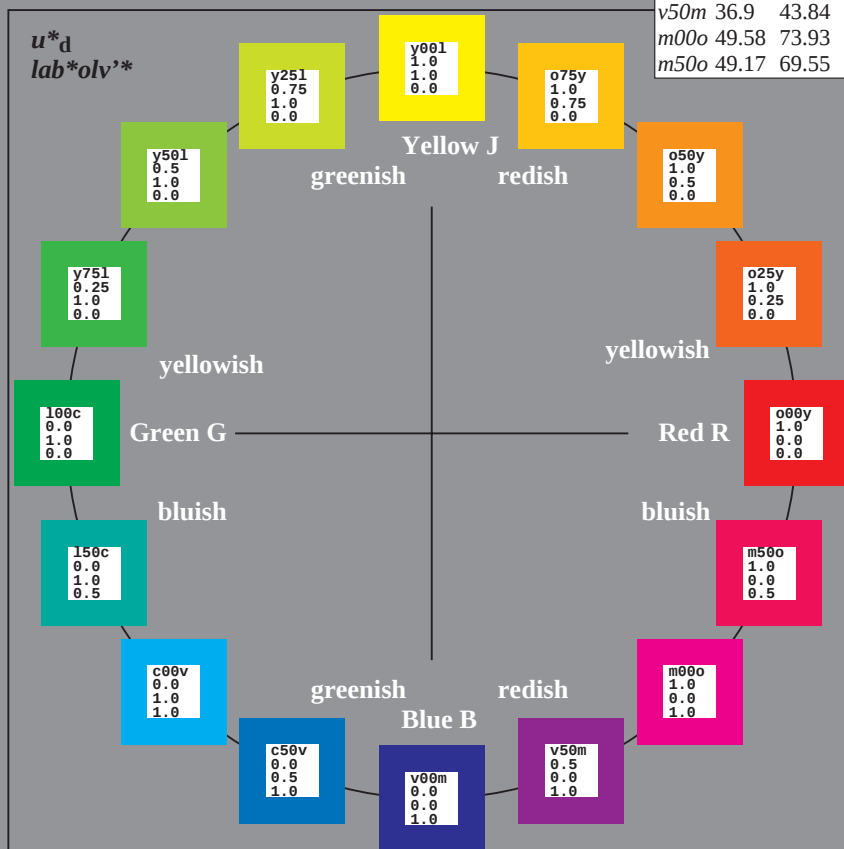
%Regularity

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

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

ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
<i>O_M</i>	48.75	65.16	40.76	76.86	32
<i>Y_M</i>	90.92	-10.78	89.36	90.01	97
<i>L_M</i>	52.69	-65.4	22.15	69.05	161
<i>C_M</i>	59.61	-29.04	-44.69	53.3	237
<i>V_M</i>	28.39	24.0	-43.18	49.4	299
<i>M_M</i>	49.58	74.01	-8.22	74.47	354
<i>N_M</i>	18.89	0.5	0.77	0.92	57
<i>W_M</i>	96.9	-0.57	2.23	2.3	104
<i>O_{CIE}</i>	39.92	58.74	27.99	65.07	25
<i>Y_{CIE}</i>	81.26	-2.89	71.56	71.62	92
<i>L_{CIE}</i>	52.23	-42.42	13.6	44.55	162
<i>V_{CIE}</i>	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^*

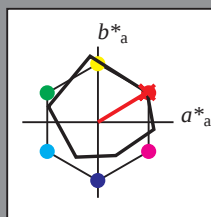
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	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	$b88r$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.132$

data for any colour:

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

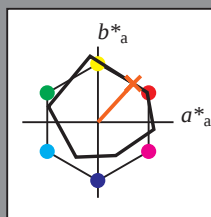
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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^*	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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.178$

data for any colour:

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

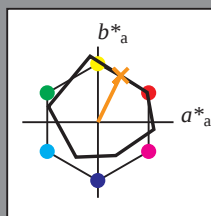
Hue texts:

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

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):

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

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

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

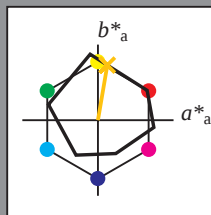
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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^*	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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

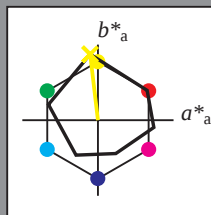
Hue texts:

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

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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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	$b88r$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.314$ data for any colour: Data for maximum colour (Ma):

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

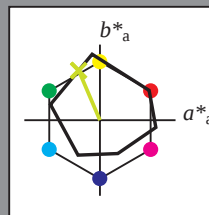
Hue texts:

$$u_d^* = y25l \quad u_e^* = j29q$$

contrast reduction factor:

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

triangle rightness &



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	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*_M: 79 -28 66

LAD*LGH* 79 72 115

LAB*LCH*Ma: 79 72 1

lab*olv*Ma: 0.75 1.0 0.0

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

triangle lightness t^*

triangle rightness &

%Gamut

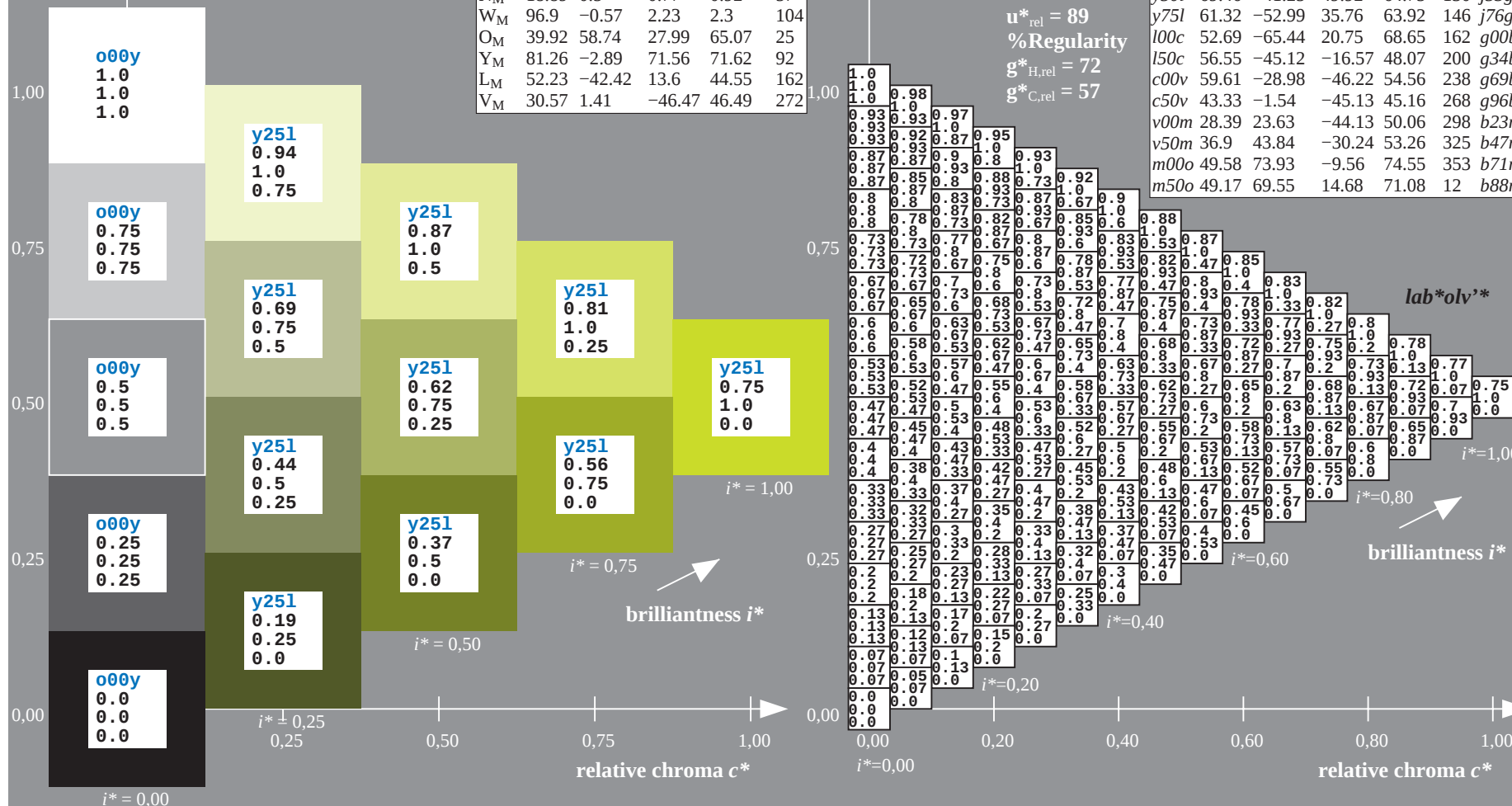
$$\mathbf{u}_{\text{rel}}^* = 89$$

%Regularity

$$g^*_{H,rel} = 72$$
$$g^*_{C,rel} = 57$$

$u^*_d = y_{25l}$
 $lab^*olv'^*$

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 Ee68; Colorimetric systems, Page 169/198
D65: colour scales and 9 data tables for 16 hues 000° to 750°

```
input: 000n / w / nnn0 / www set...
output: ->cmyn6* setcmykcolor
```

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^*

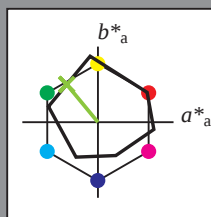
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	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):

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

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

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

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

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

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^*

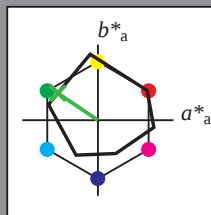
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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^*	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^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

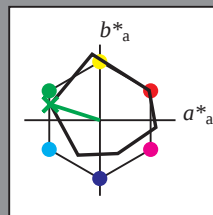
relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.451$
data for any colour: Data for maximum colour (Ma):

$$u^*_d = 100c$$

$$lab^*olv'^*$$

Hue texts:
 $u^*_d = l00c$ $u^*_e = g00b$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_d	L^*_{-1}	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		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*_{Ma}: 53 -65 21

LAB*LCH*M_a: 53 69 162

*lab*oly**M₃: 0.0 1.0 0.0

 $lab*rgb*M_2: 0.0 \quad 1.0 \quad 0.0$ triangle lightness t^*

10

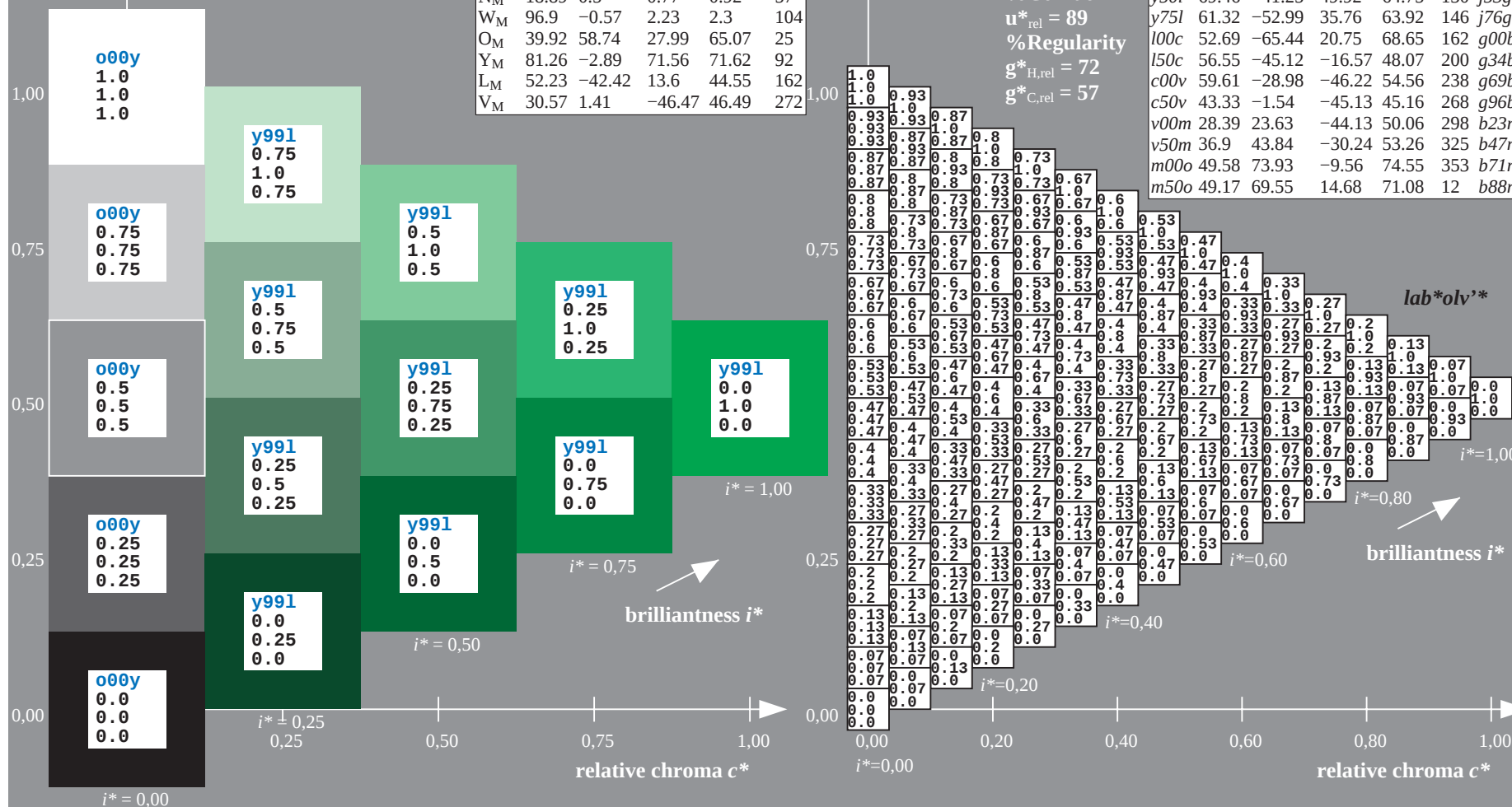
%Gamut

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

% Regular

$$g^*_{H,rel} = 52$$

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>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>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-Ee68/10/L68E00NA.PS/.TXT 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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

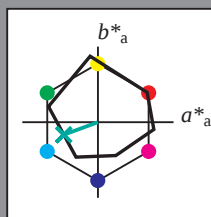
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_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):

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

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

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

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

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^*	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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.661$

data for any colour:

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

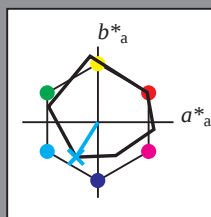
Hue texts:

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

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):

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

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

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

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

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

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

data for any colour:

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

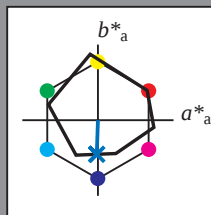
Hue texts:

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

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):

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

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

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 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^*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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

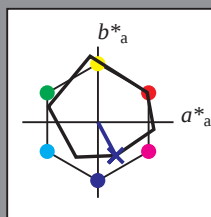
Hue texts:

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

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

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

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

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^*

$i^* = 0.80$

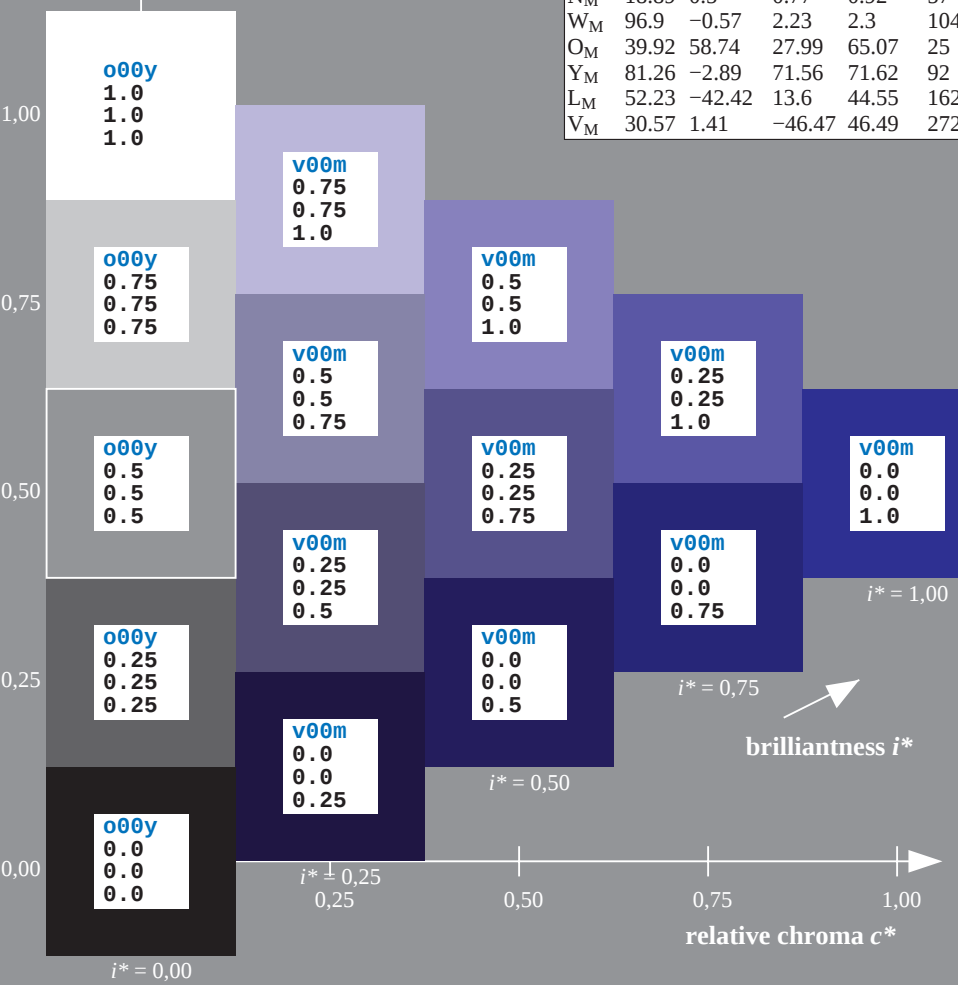
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*



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^*

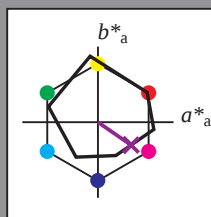
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 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			

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^*

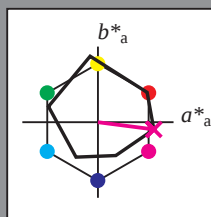
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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	99.01	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	$b88r$

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

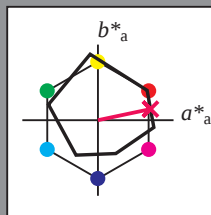
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.033$ data for any colour:

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

Hue texts:

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

contrast reduction factor:

 $C_D = 1.0$ 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	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**M₂: 49 70 15

LAP*ICH*5 : 49 71 11

Lab. LCH Ma. 49-71-1
Lab. LCH Ma. 49-69-25

*lab*olv**Ma: 1.0 0.0 0.5

*lab*rgb*_Ma: 1.0 0.0 0.24*

triangle lightness t^*

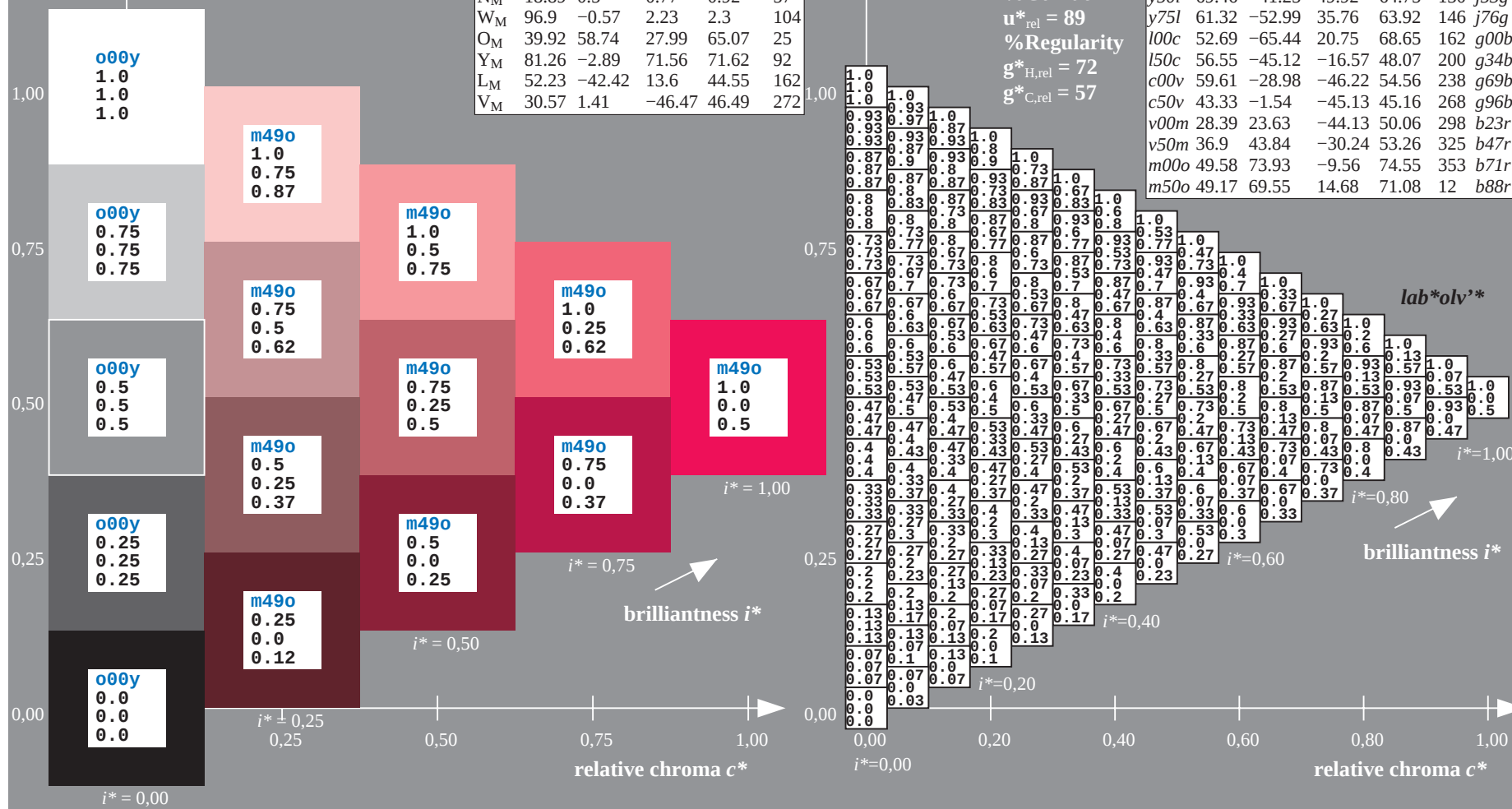
%Gamut

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

%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 Ee68; Colorimetric systems, Page 179/198
D65: colour scales and 9 data tables for 16 hues 000y to m75o

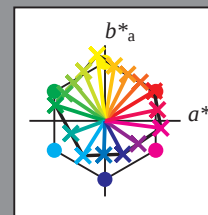
```
input: 000n / w / nnn0 / www set...
output: ->cmy6* setcmykcolor
```


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

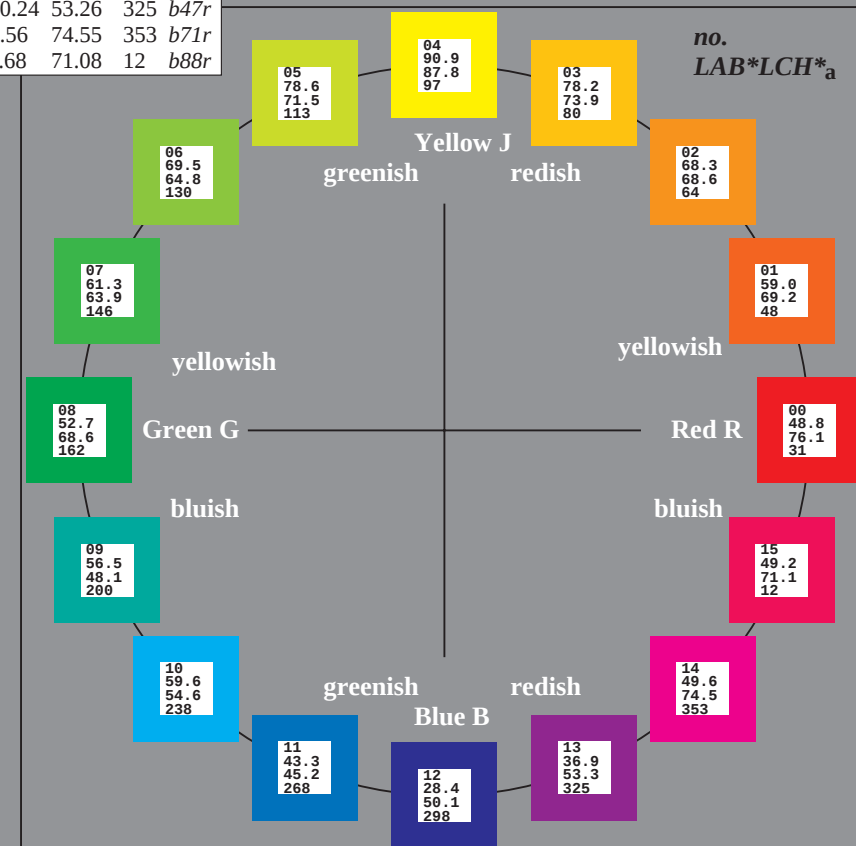
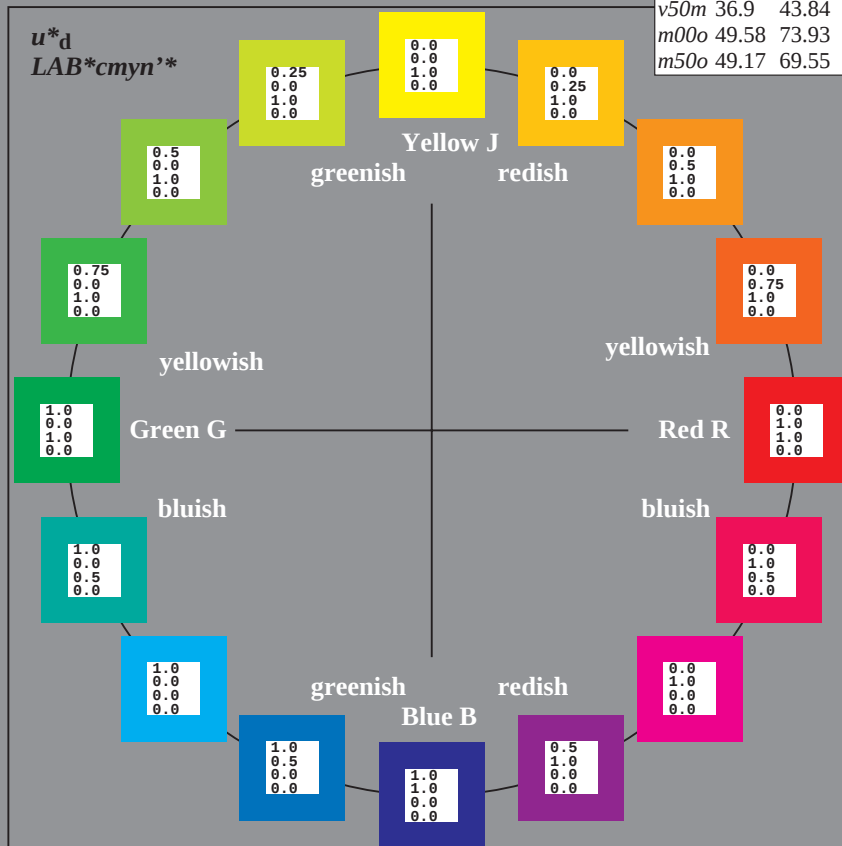
u^*_d	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_e
<i>o00y</i>	48.75	65.07	39.43	76.08	31	<i>r08j</i>
<i>o25y</i>	59.04	46.67	51.1	69.21	48	<i>r33j</i>
<i>o50y</i>	68.32	30.09	61.62	68.58	64	<i>r57j</i>
<i>o75y</i>	78.23	12.39	72.85	73.9	80	<i>r81j</i>
<i>y00l</i>	90.92	-10.29	87.24	87.85	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
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

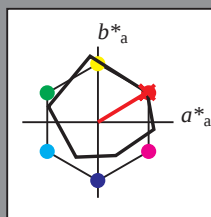
ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
<i>O_M</i>	48.75	65.16	40.76	76.86	32
<i>Y_M</i>	90.92	-10.78	89.36	90.01	97
<i>L_M</i>	52.69	-65.4	22.15	69.05	161
<i>C_M</i>	59.61	-29.04	-44.69	53.3	237
<i>V_M</i>	28.39	24.0	-43.18	49.4	299
<i>M_M</i>	49.58	74.01	-8.22	74.47	354
<i>N_M</i>	18.89	0.5	0.77	0.92	57
<i>W_M</i>	96.9	-0.57	2.23	2.3	104
<i>O_CIE</i>	39.92	58.74	27.99	65.07	25
<i>Y_CIE</i>	81.26	-2.89	71.56	71.62	92
<i>L_CIE</i>	52.23	-42.42	13.6	44.55	162
<i>V_CIE</i>	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	$L^*=L^*_a$	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	$b88r$	

$\text{LAB}^*\text{cmy}n^*_{**}$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

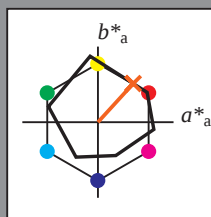
$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

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

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

$u^*_d = o25y$
 $LAB^*cmy^n^*$

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	

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

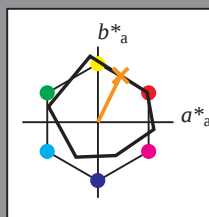
$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

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

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

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^*_d = o50y$
 $\text{LAB}^*\text{cmy}n^*_{**}$

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	$b88r$	

$\text{LAB}^*\text{cmy}n^*_{**}$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.223$

data for any colour:

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

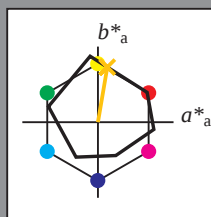
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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^*	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	$b88r$

$\text{LAB}^*\text{cmy}n^*$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.269$

data for any colour:

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

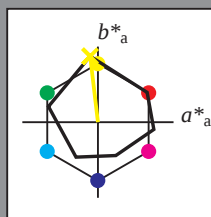
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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^*	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	$b88r$

$\text{LAB}^*\text{cmy}n^*$

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.314$

data for any colour:

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

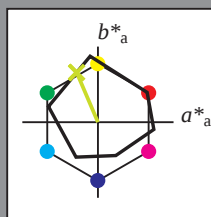
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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

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

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

$u^*_d = y25l$
 $\text{LAB}^*\text{cmyn}^*$

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	$b88r$

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.36$

data for any colour:

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

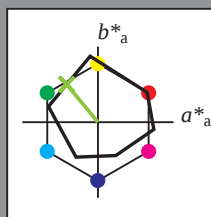
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*_a$	a^*	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

$\text{LAB}^*\text{cmy}^*\text{n}^*_{\text{yn}}^*$

$i^* = 1.00$

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^*

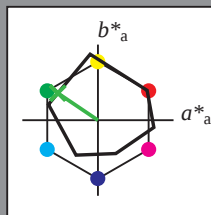
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_d	$L^*=L^*$	a^*	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 : 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

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

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

$u^*_d = y75l$
 LAB^*cmyn^*

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^*cmyn^*

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$

data for any colour:

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

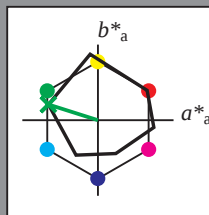
Hue texts:

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

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):

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

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

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

$\text{lab}^*\text{rgb}^*_{Ma}$: 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	$b88r$

$\text{LAB}^*\text{cmy}n^*$

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.556$

data for any colour:

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

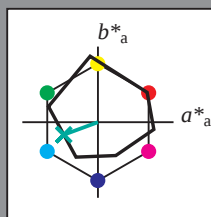
Hue texts:

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

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; 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):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 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	$b88r$

$u^*_d = 150c$
 $\text{LAB}^*\text{cmy}n^*_{**}$

$\text{LAB}^*\text{cmy}n^*_{**}$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.745$

data for any colour:

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

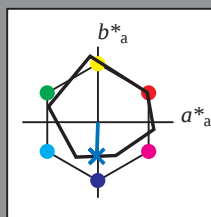
Hue texts:

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

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

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

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

$u^*_d = c50v$
 LAB^*cmyn^*

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^*cmyn^*

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.828$

data for any colour:

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

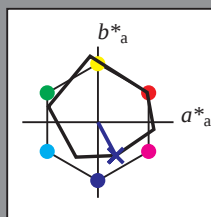
Hue texts:

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

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

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

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

$u^*_d = v00m$
 $\text{LAB}^*\text{cmyn}^*$

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	$b88r$

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.904$

data for any colour:

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

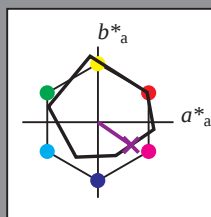
Hue texts:

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

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

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

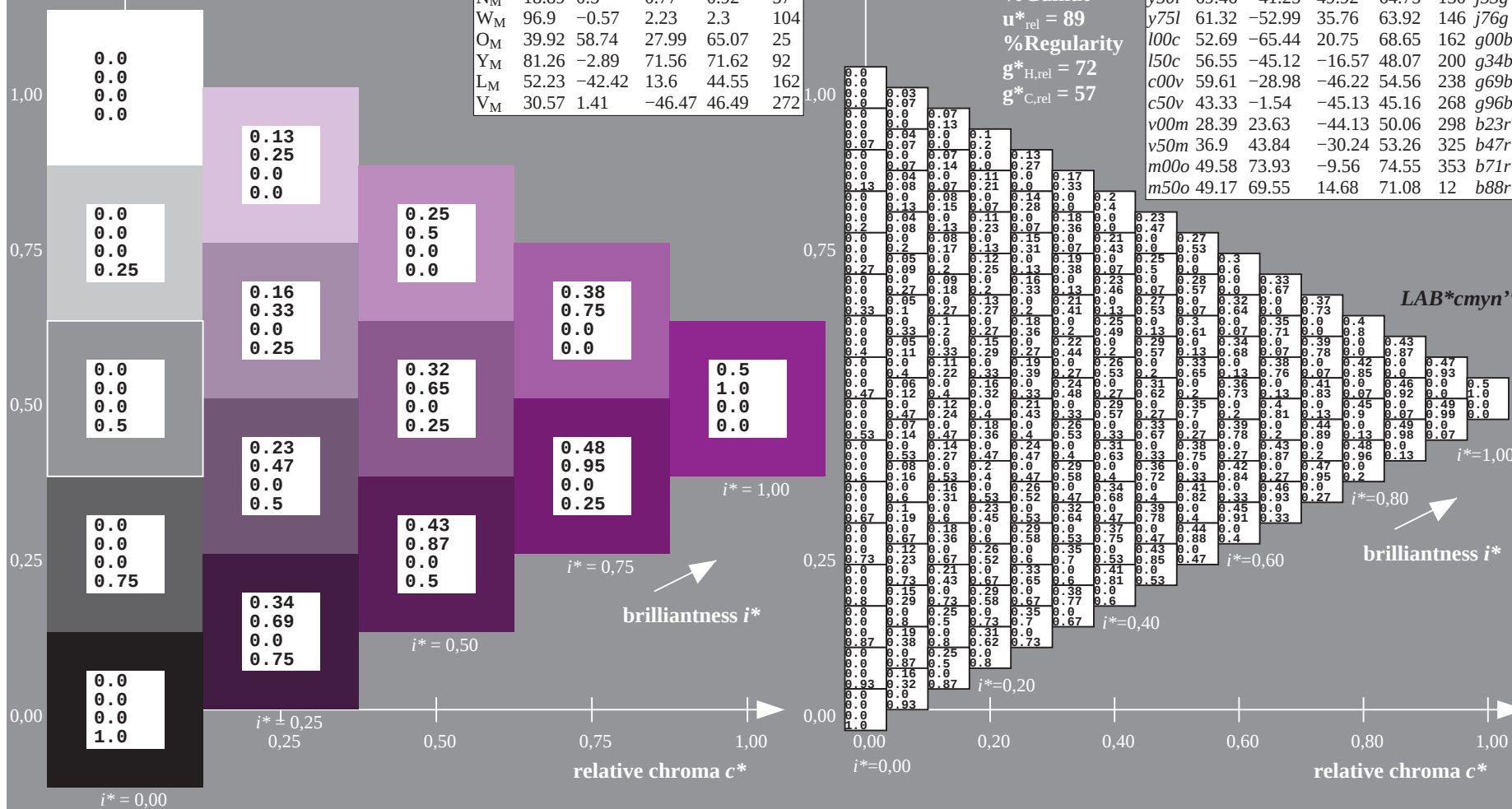
$g^*_{C,rel} = 57$

$u^*_d = v50m$

LAB^*cmyn^*

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 $h^* = lab^*h^* = h_{ab}/360 = 0.98$

data for any colour:

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

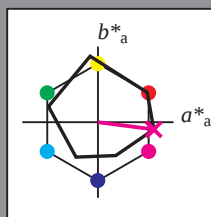
Hue texts:

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

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	$b88r$

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

relative chroma c^*

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^*

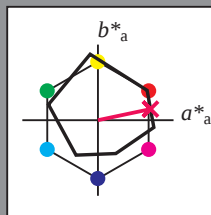
Hue texts:

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

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):

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

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

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

$u^*_d = m50o$
 $\text{LAB}^*\text{cmyn}^*$

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	$b88r$

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

[illegible]