

Input and output:

Colorimetric Printer Reflective System ORS19_96a
data for any colour:

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

elementary hue text:

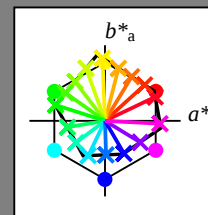
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$$c_R = 1.0$$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-28.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut

$u^*_{rel} = 89$

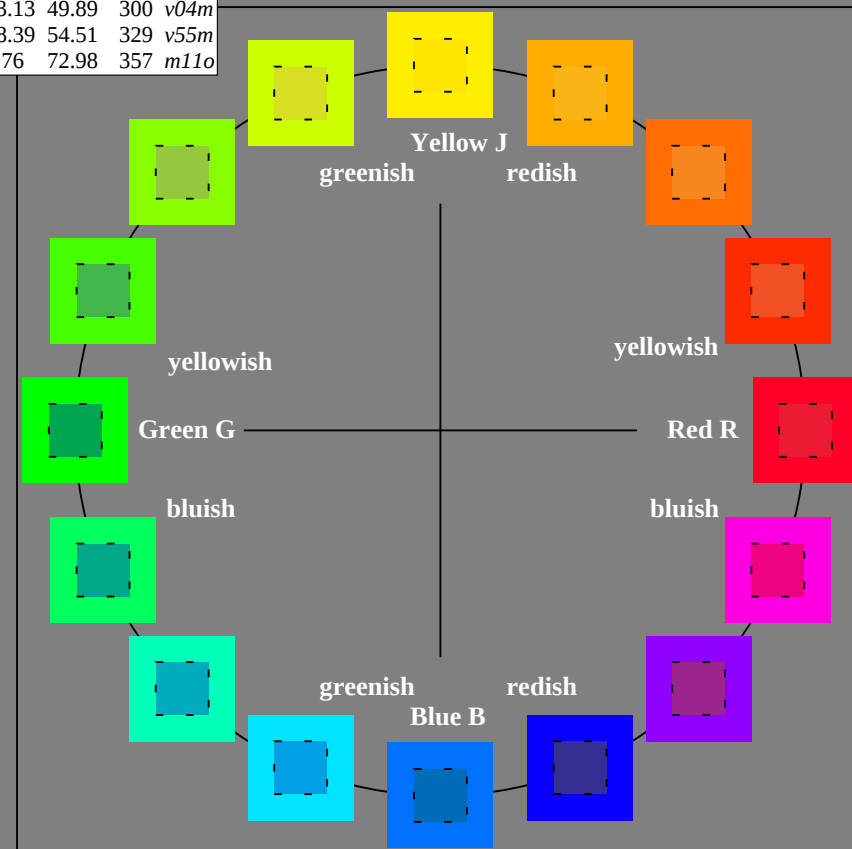
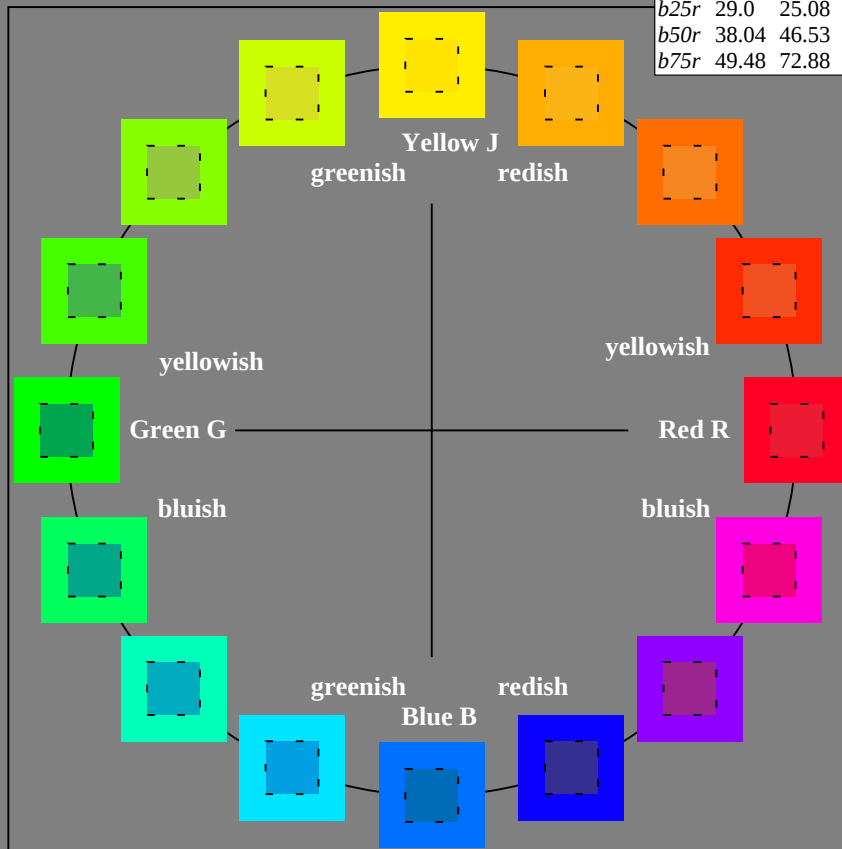
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

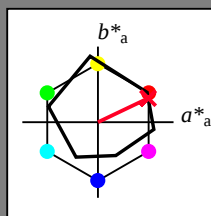
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u_e^* = r00j$ $u_d^* = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



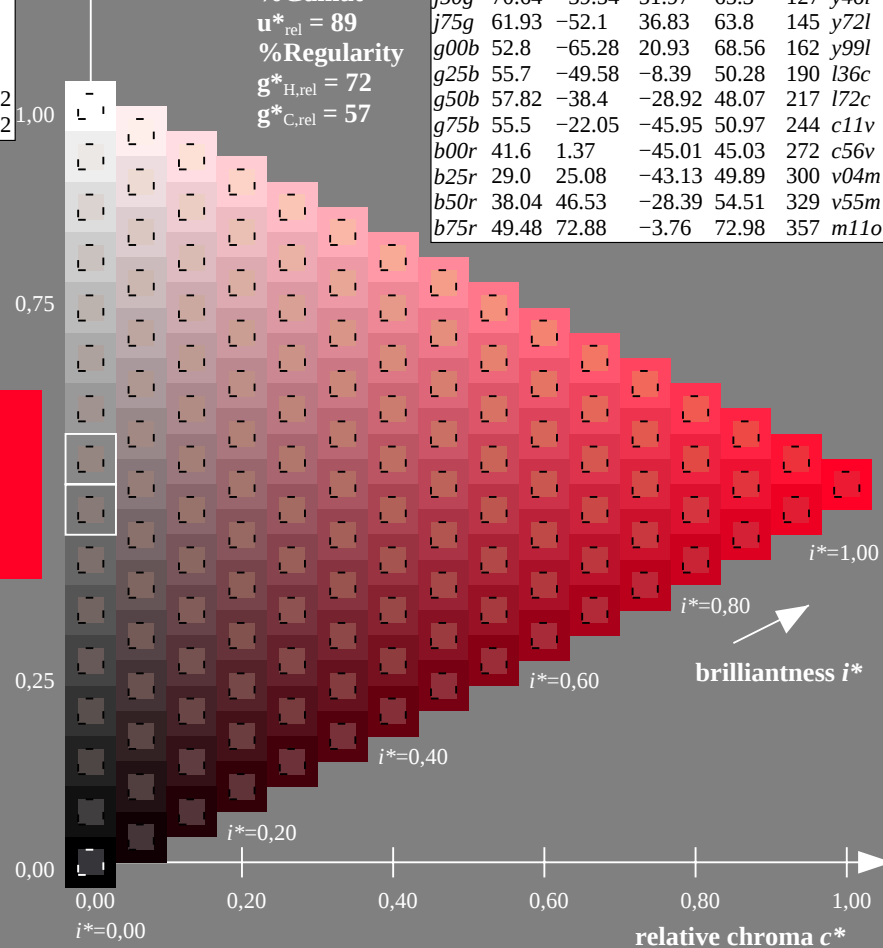
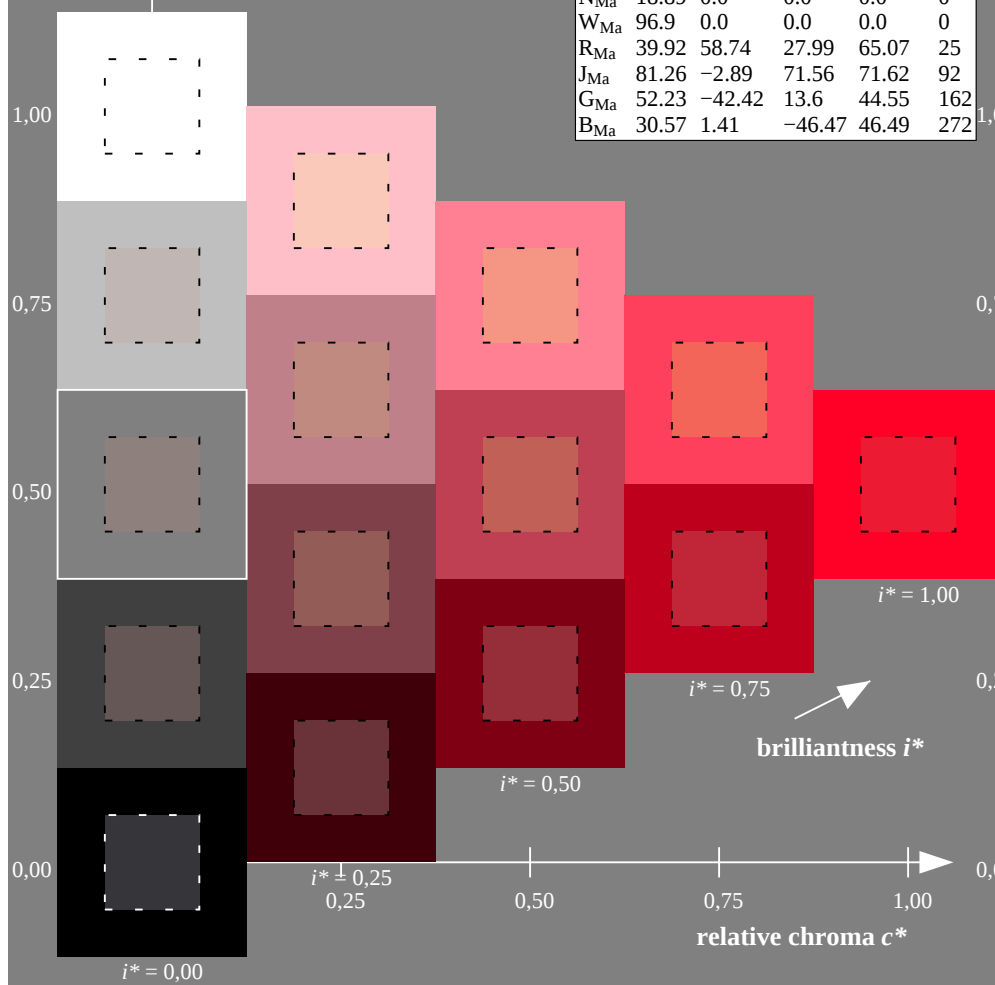
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93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

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 49 66 32
 LAB^*LCH^*Ma : 49 74 25
 lab^*rgb^*Ma : 1.0 0.0 0.0
 lab^*olv^*Ma : 1.0 0.0 0.15
triangle lightness t^*

%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:

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

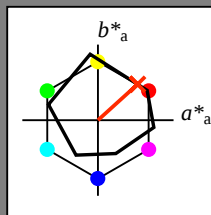
Hue texts:

$u^*_e = r25j$ $u^*_d = o17y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 52 47

$LAB^*LCH^*_{Ma}$: 56 71 42

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

$lab^*olv^*_{Ma}$: 1.0 0.17 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

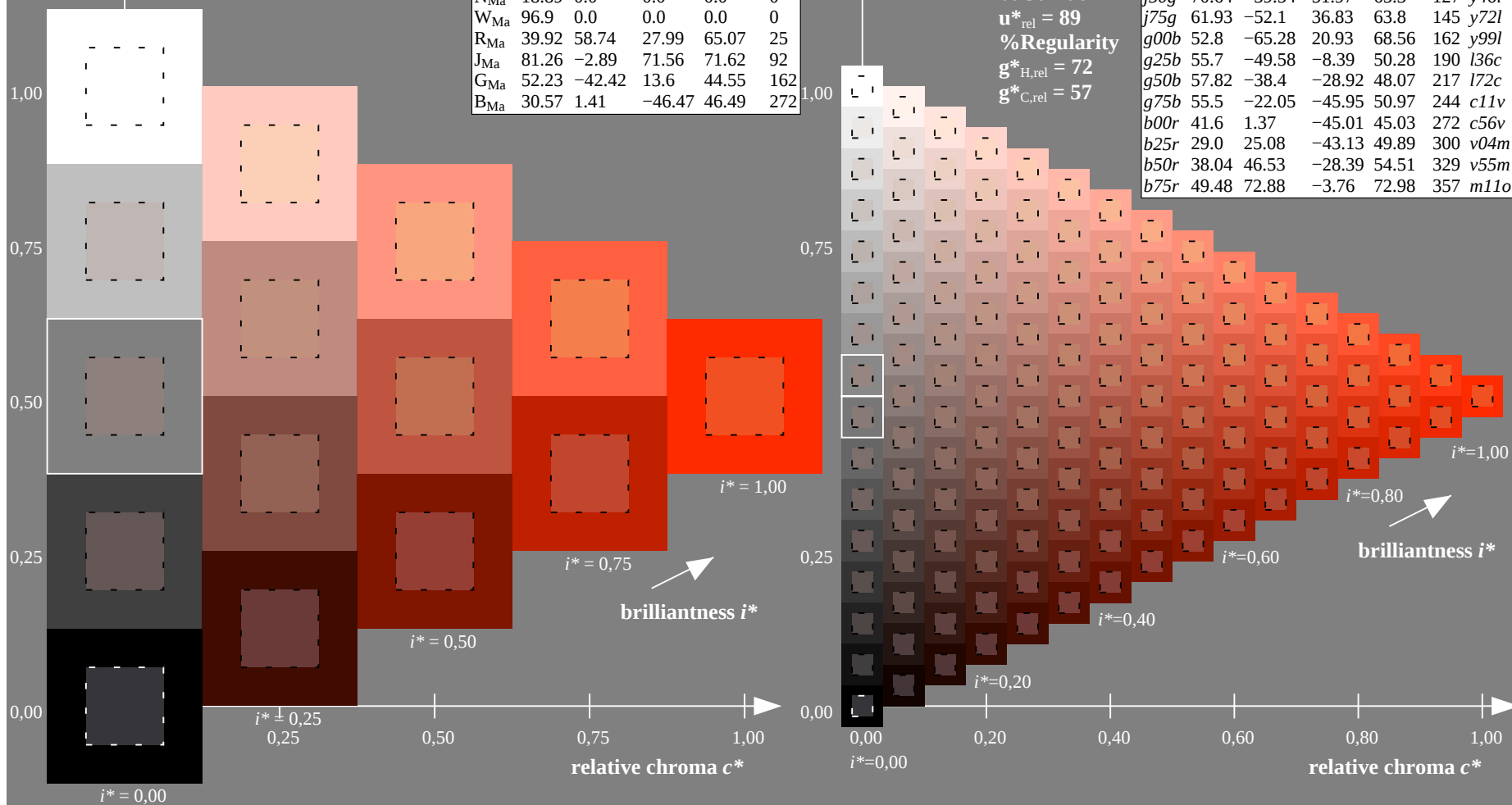
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:

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

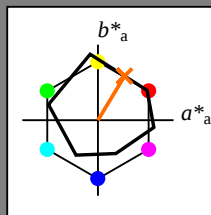
Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 35 58

$LAB^*LCH^*_{Ma}$: 65 68 58

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

$lab^*olv^*_{Ma}$: 1.0 0.42 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

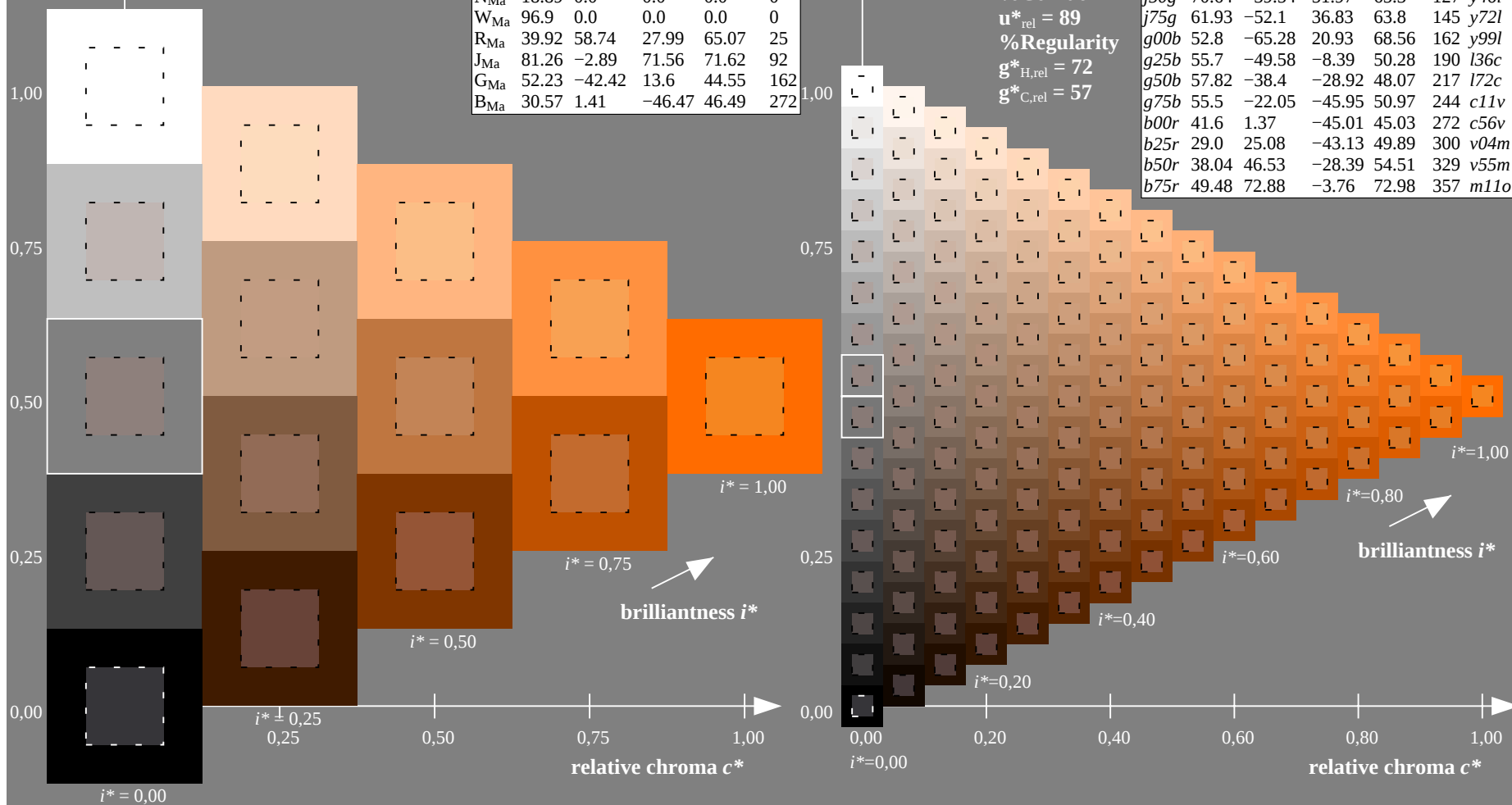
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:

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

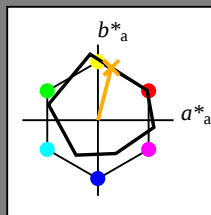
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 75 18 69

$LAB^*LCH^*_{Ma}$: 75 72 75

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

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

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

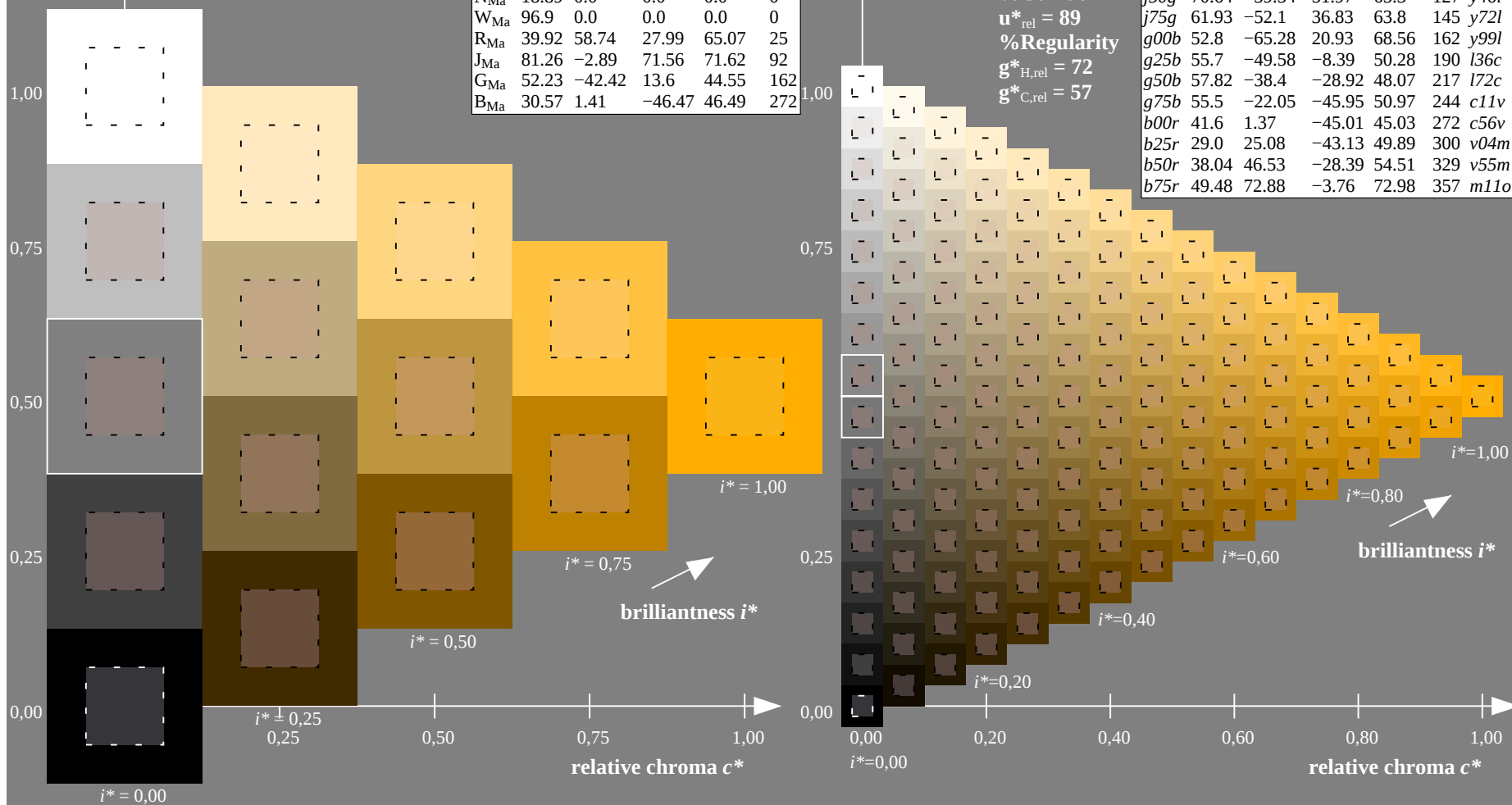
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:

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

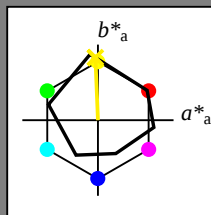
Hue texts:

$u^*_e = j00g$ $u^*_d = o92y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -3 83

$LAB^*LCH^*_{Ma}$: 87 83 92

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

$lab^*olv^*_{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

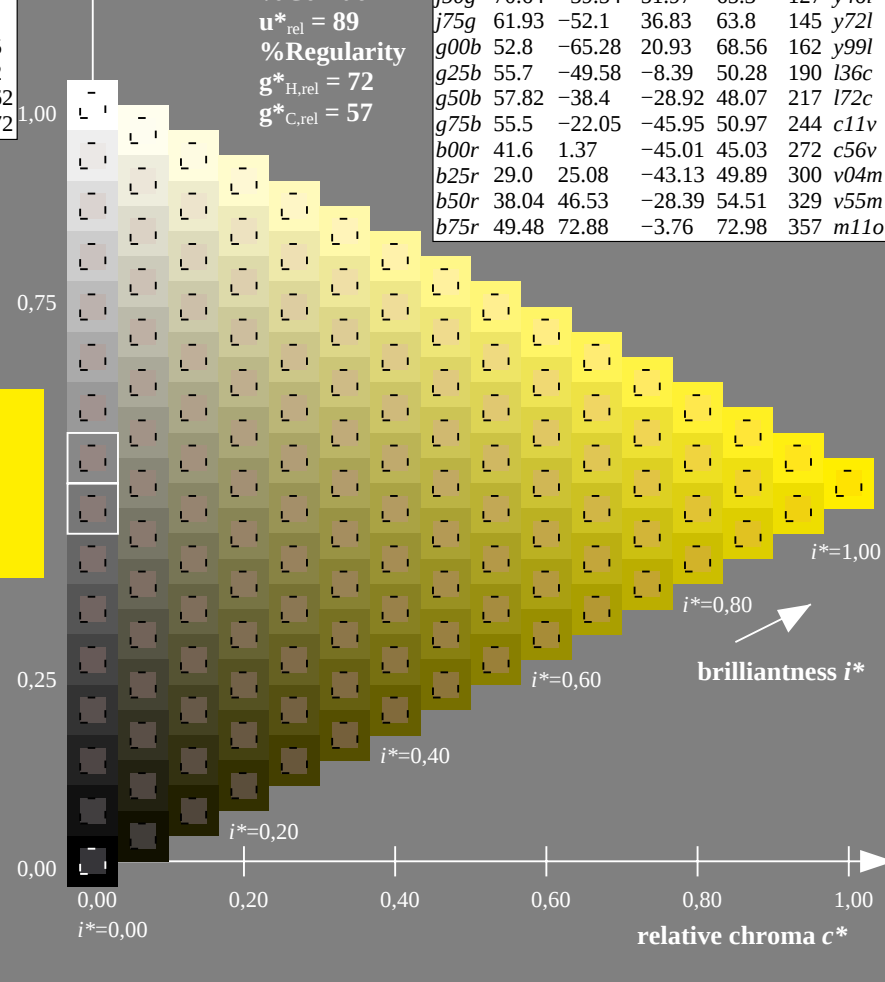
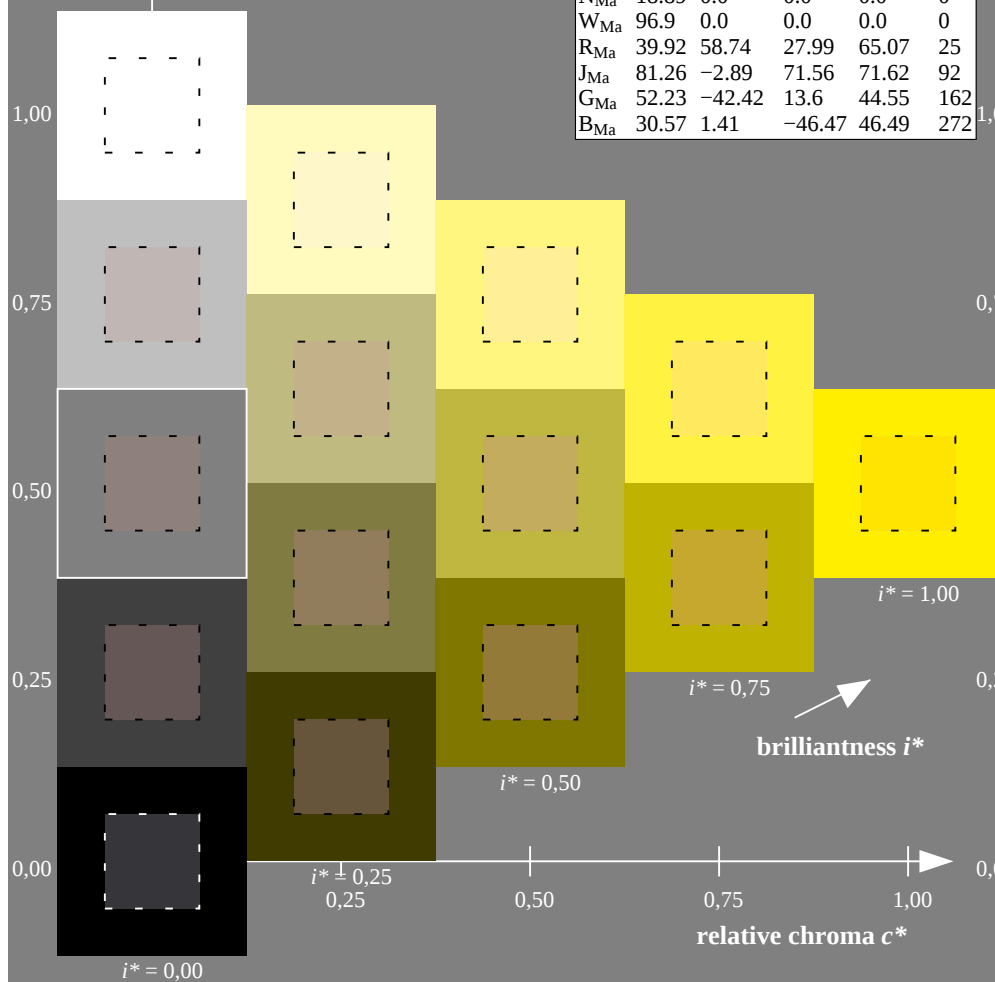
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
data for any colour:

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

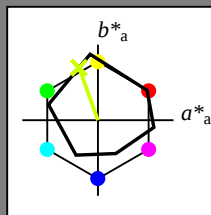
Hue texts:

$u^*_e = j25g$ $u^*_d = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

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

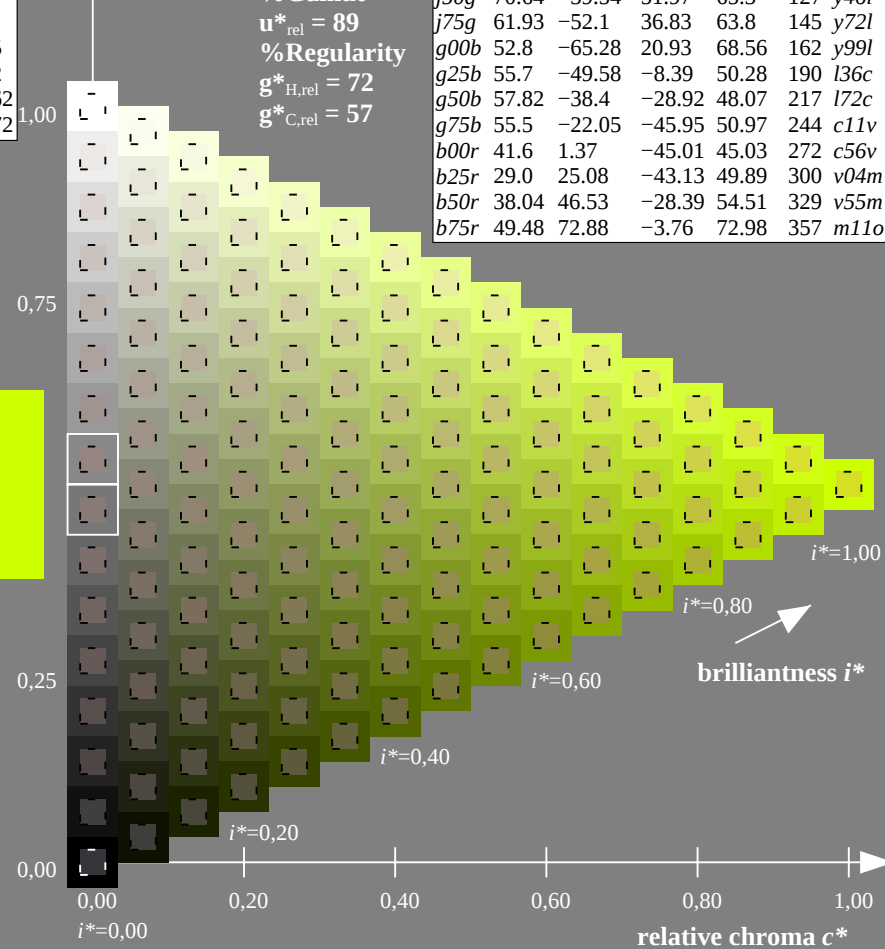
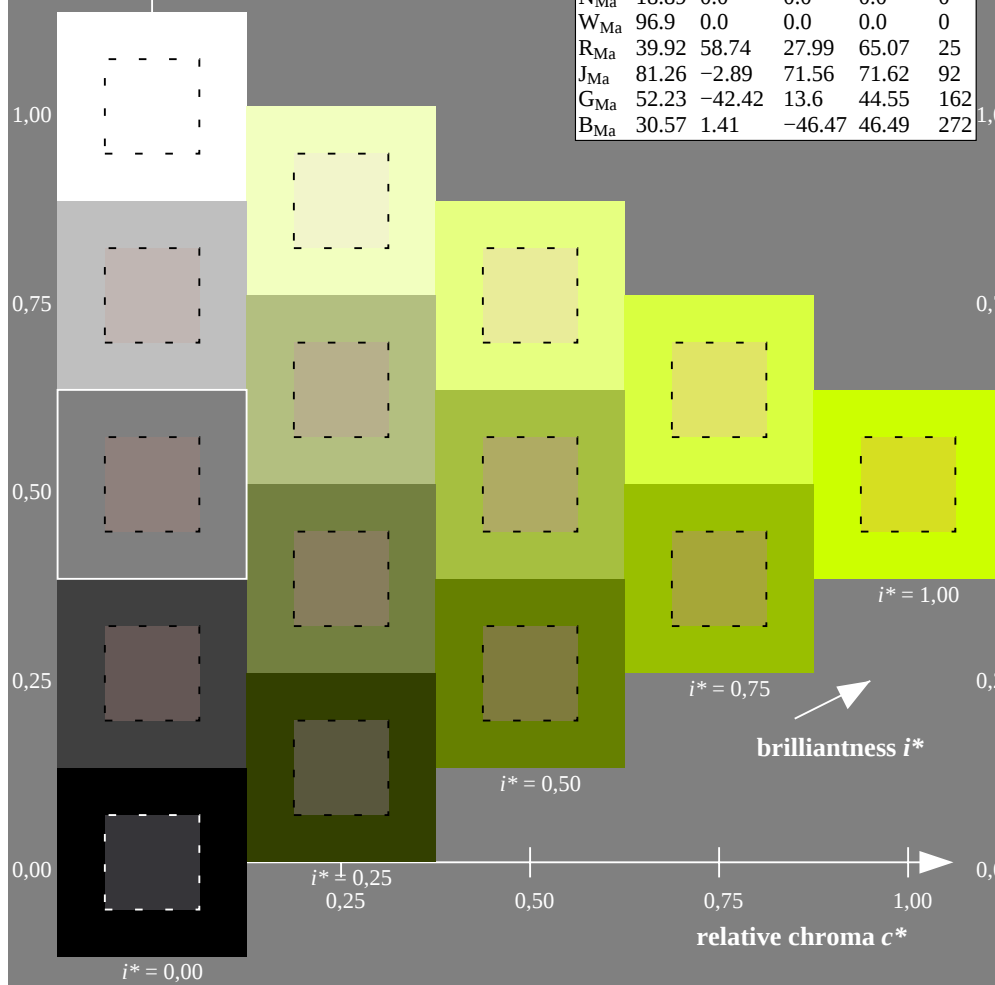
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

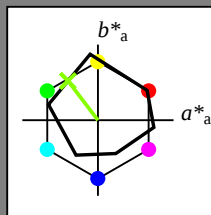
Hue texts:

$u^*_e = j50g$ $u^*_d = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

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

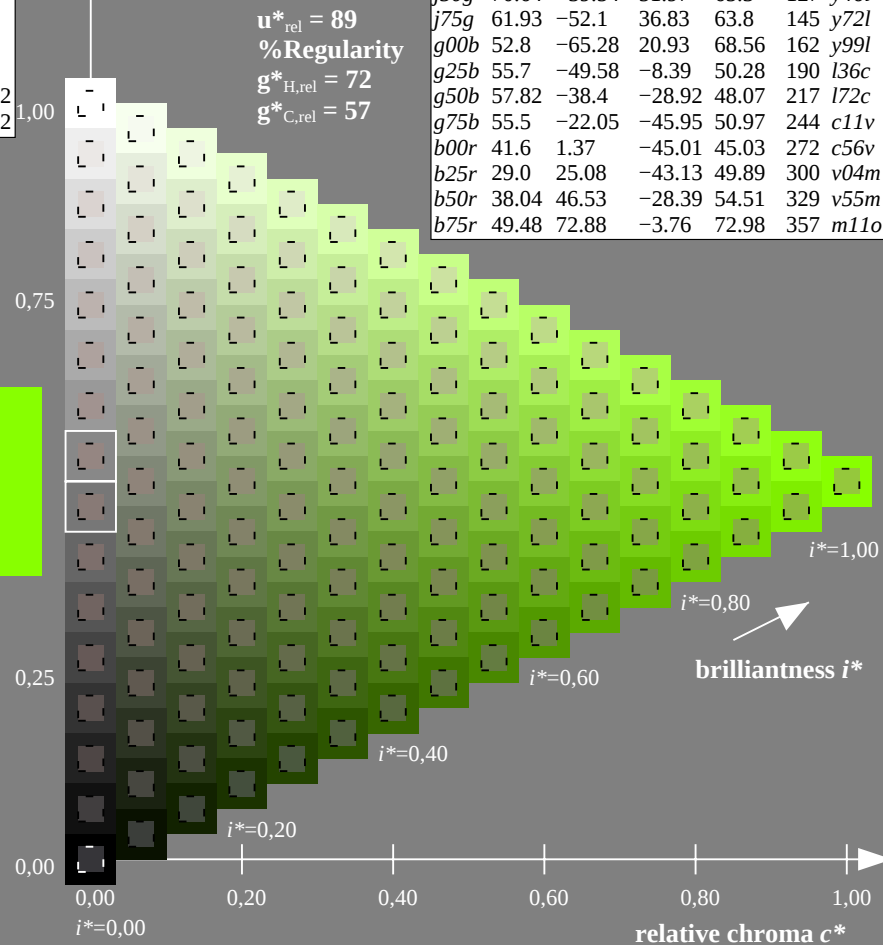
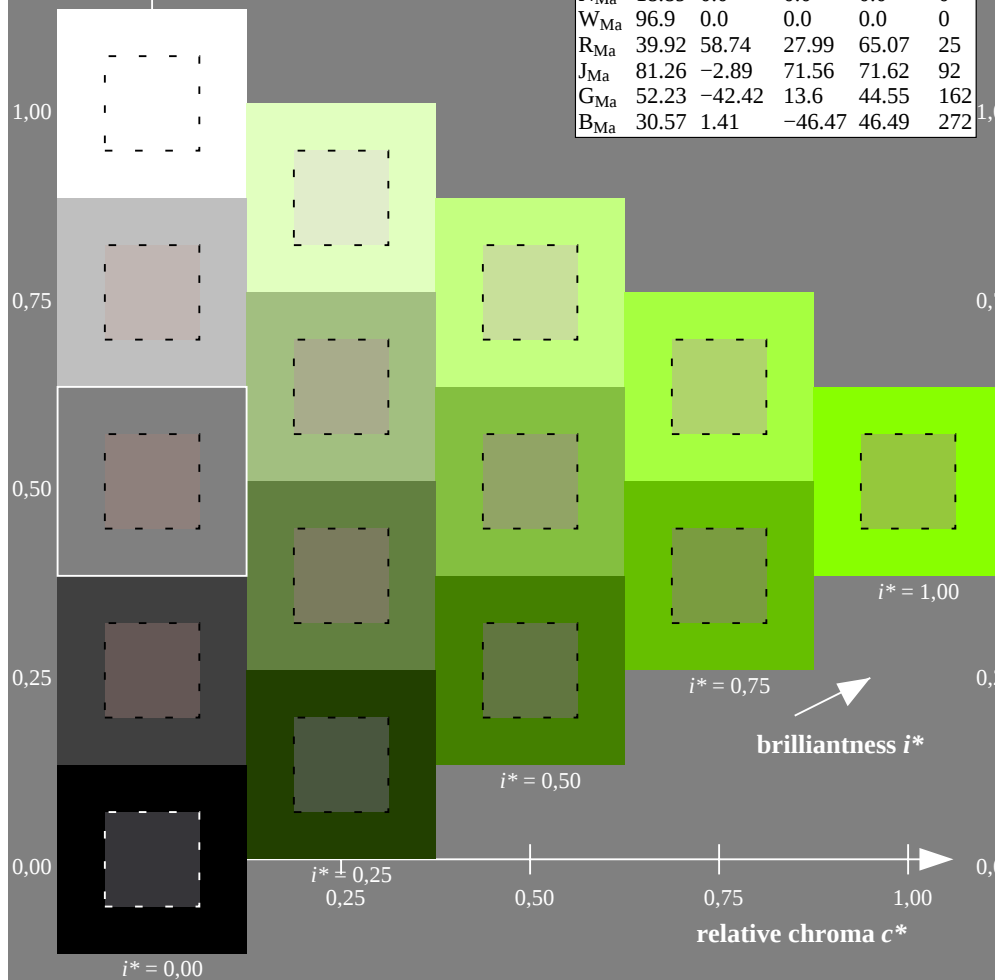
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$
data for any colour:

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

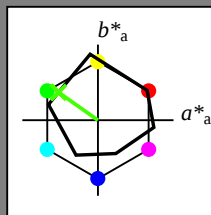
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

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

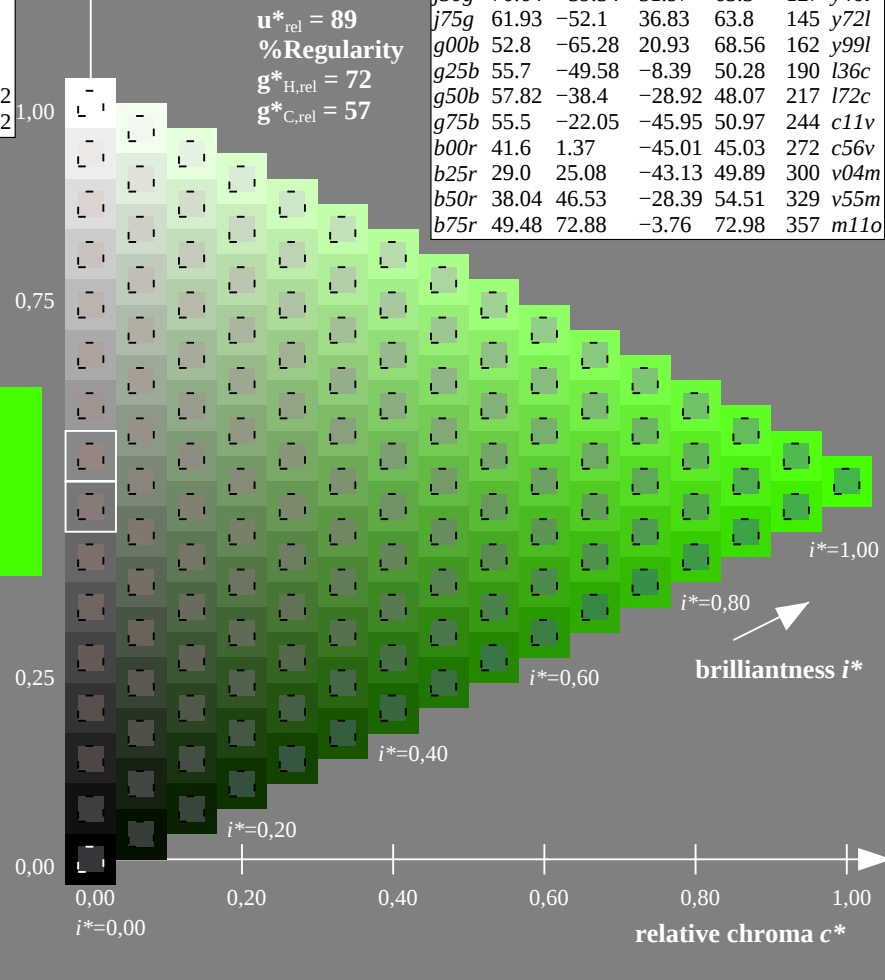
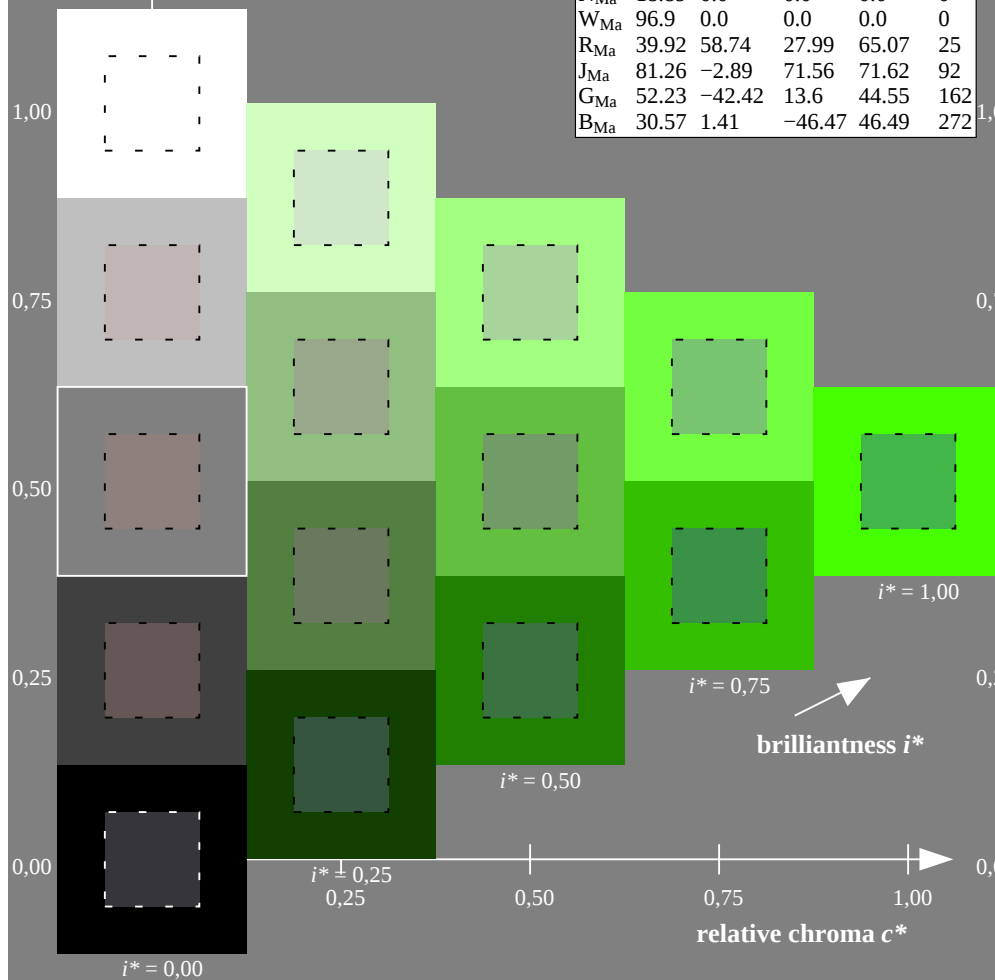
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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^*

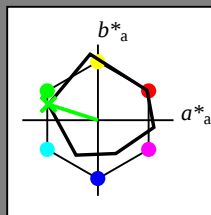
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

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

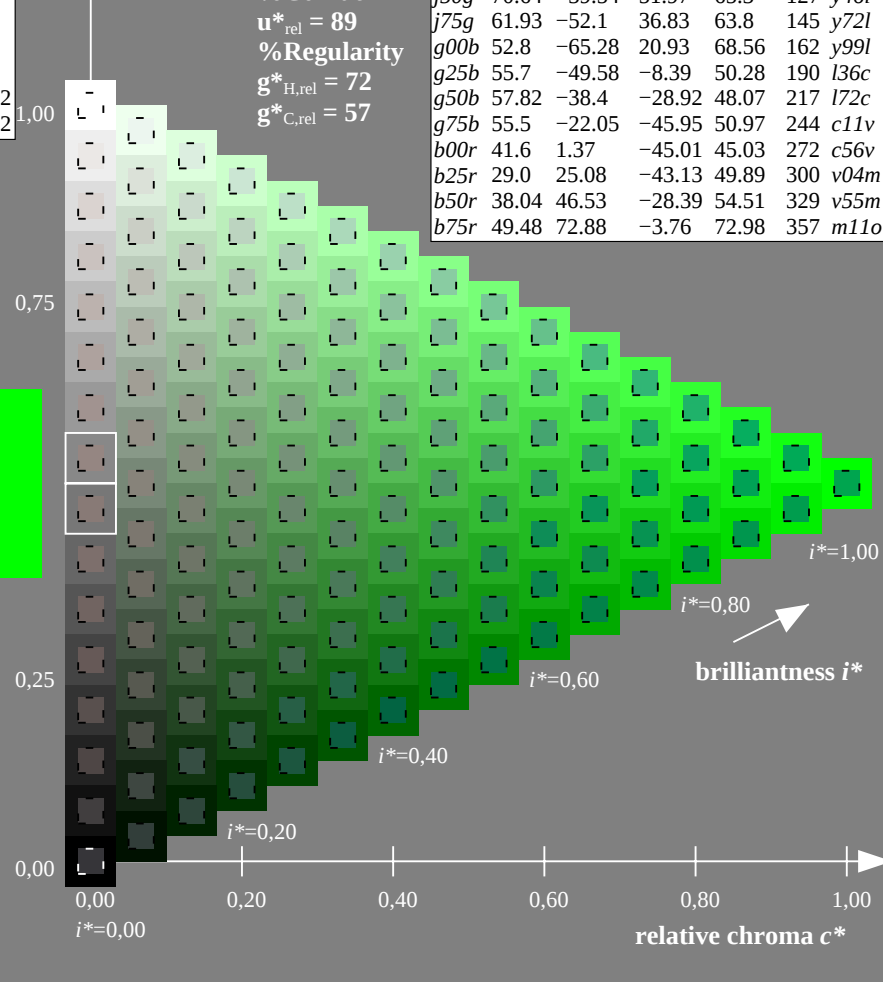
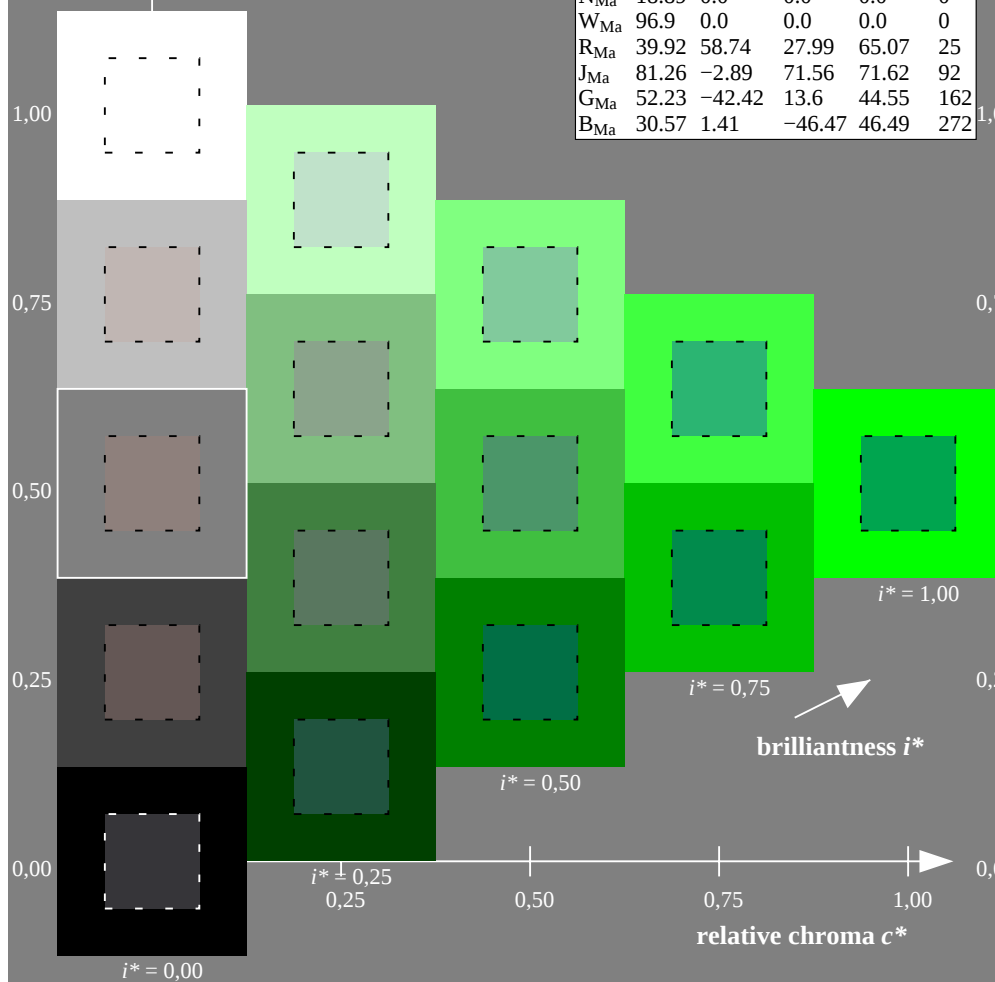
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:

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

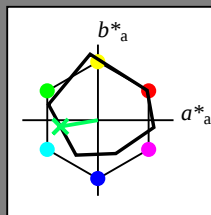
Hue texts:

$u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -50 -8

$LAB^*LCH^*_{Ma}$: 56 50 189

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

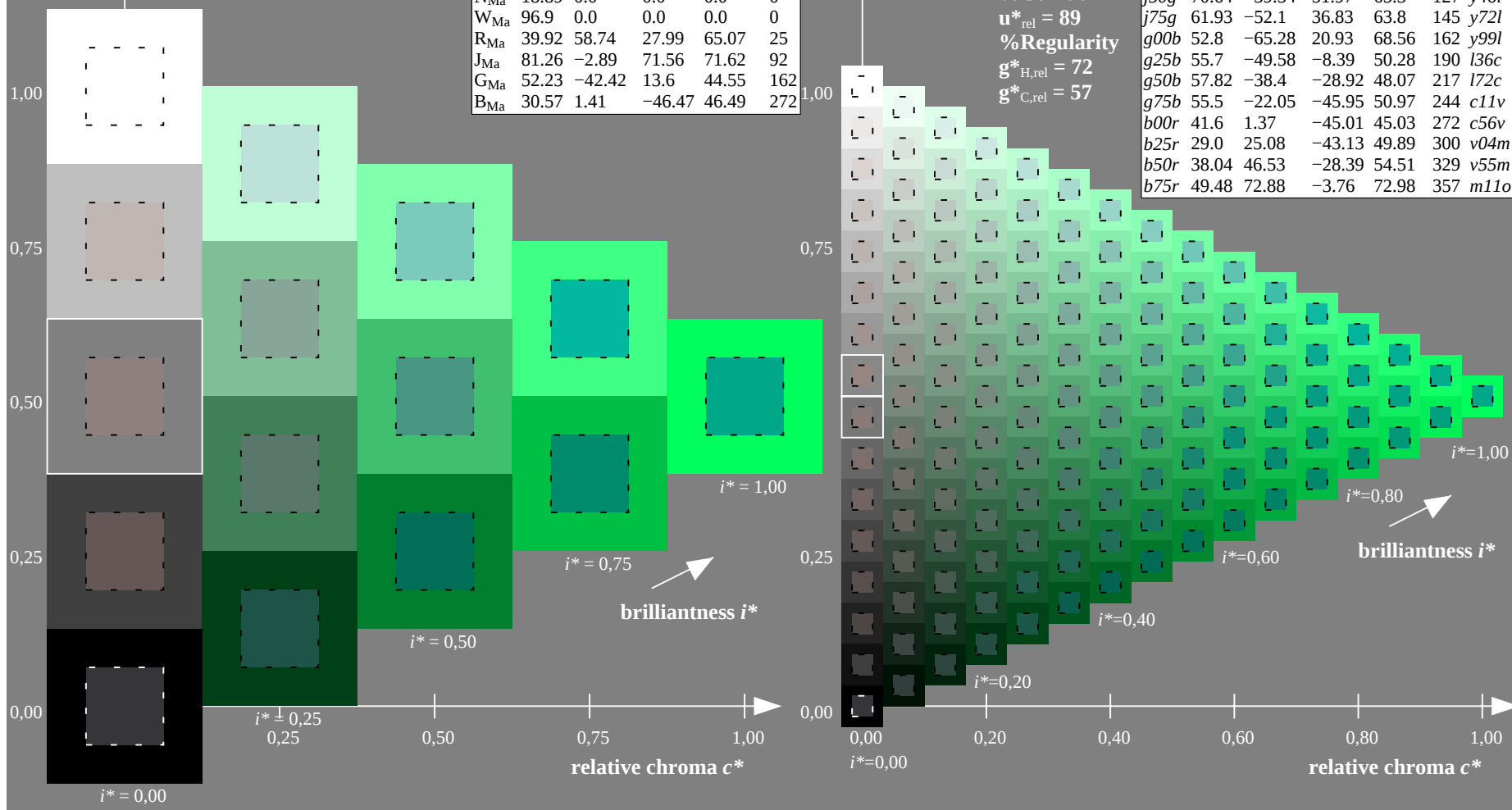
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:

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

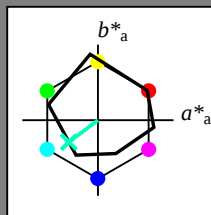
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

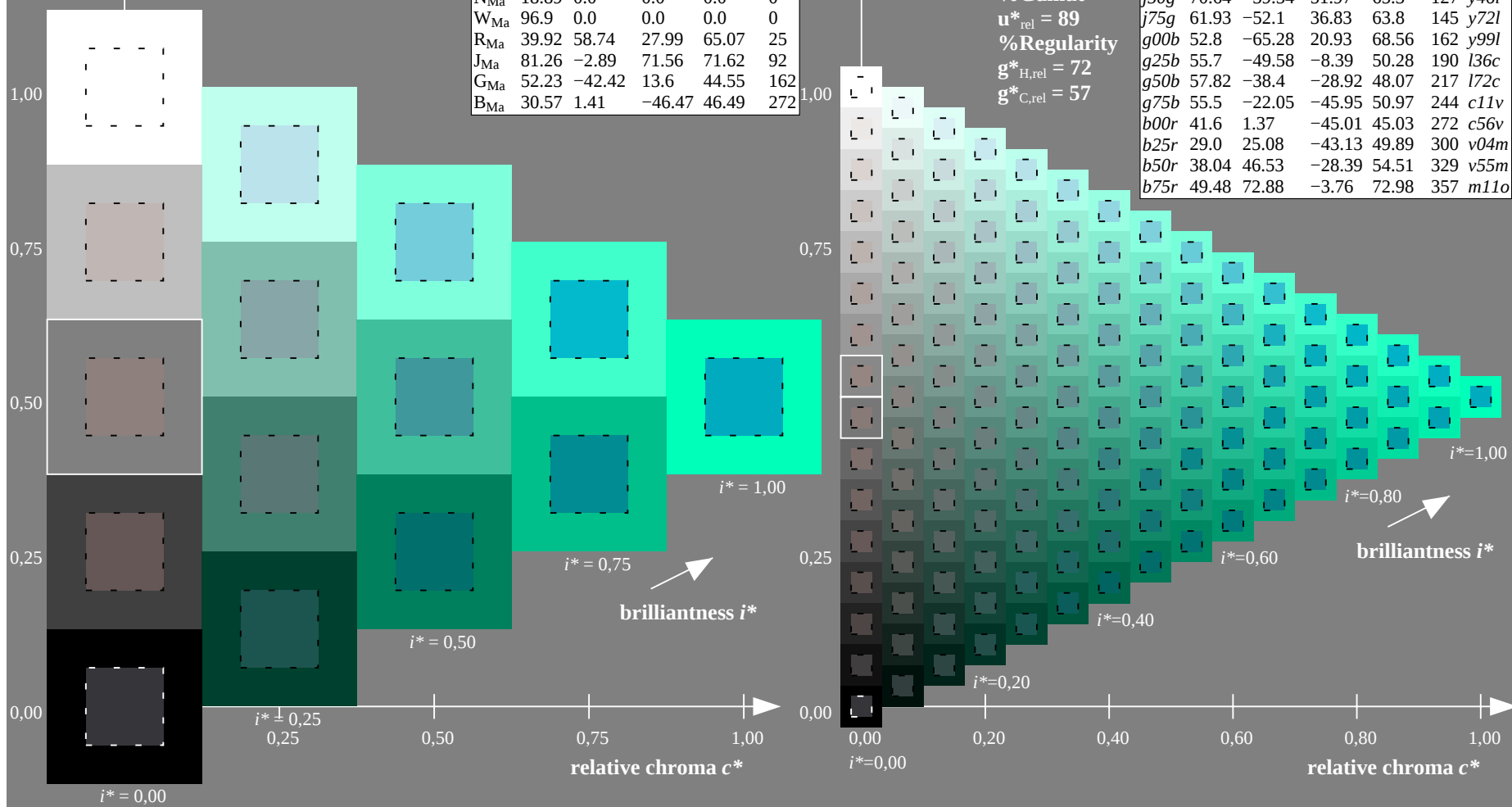
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:

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

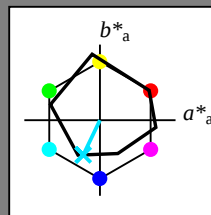
Hue texts:

$u^*_e = g75b$ $u^*_d = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

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

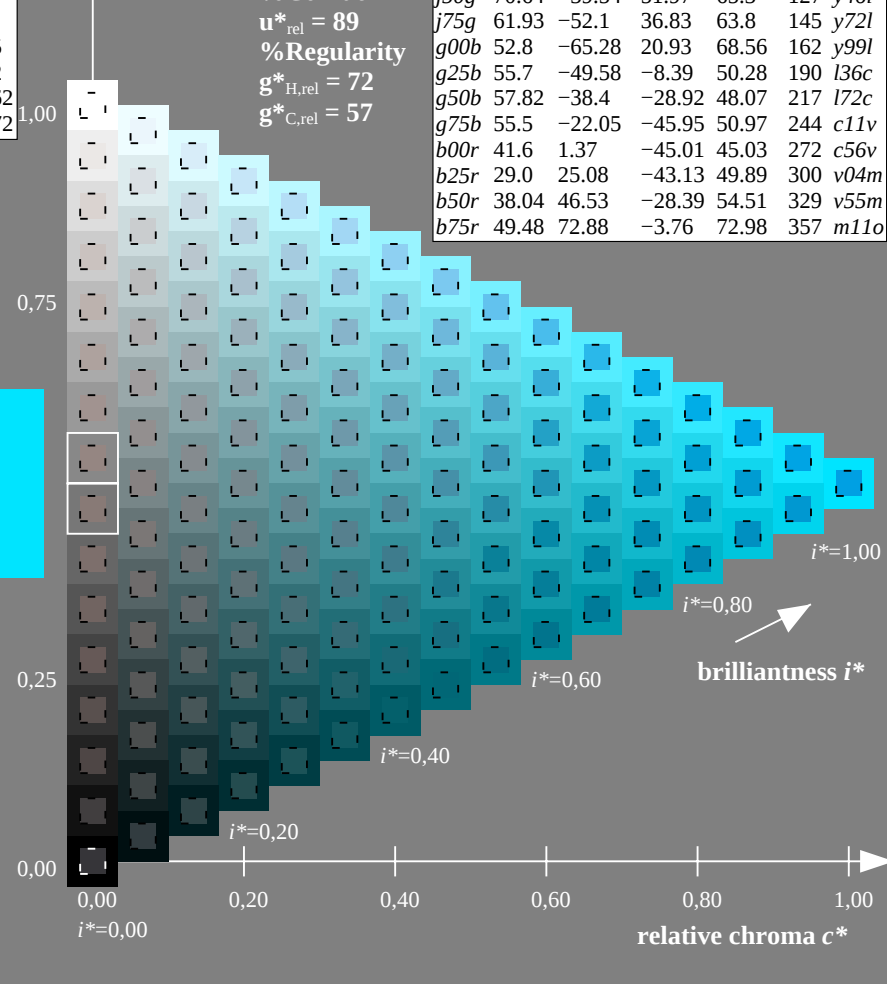
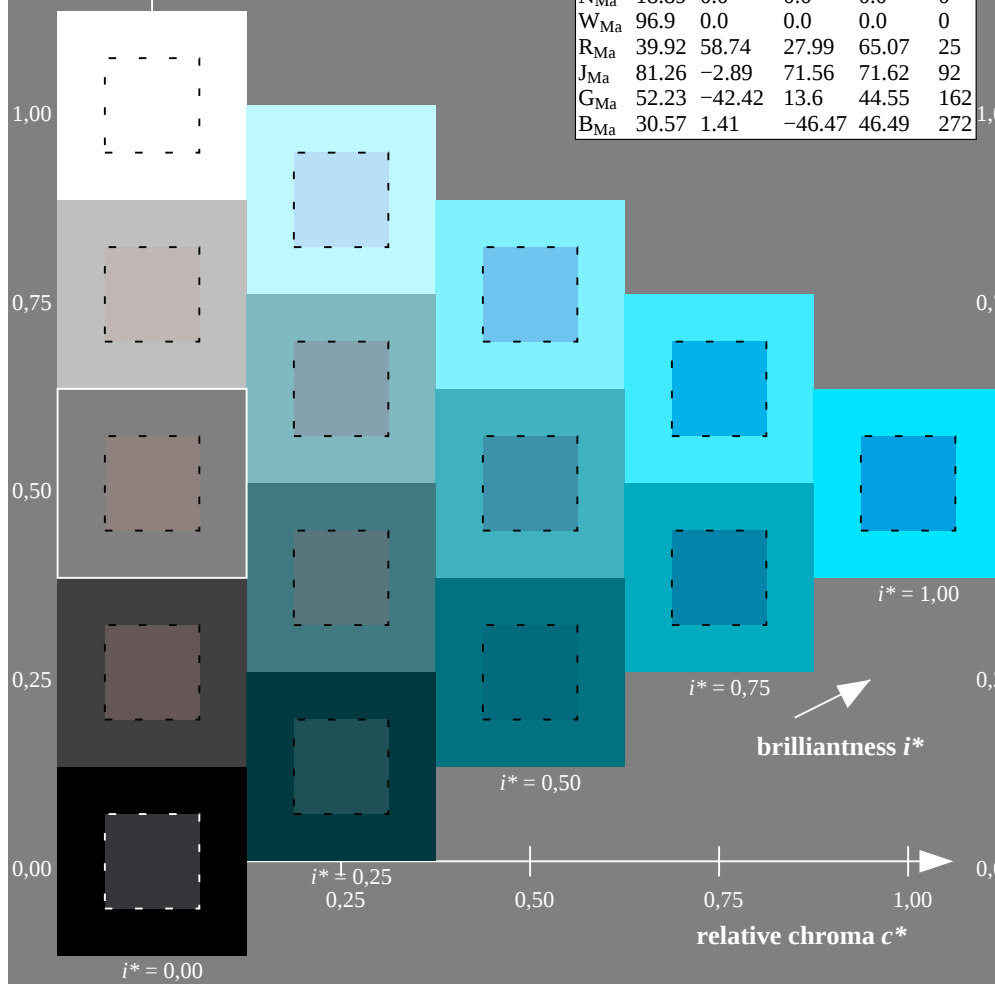
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:

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

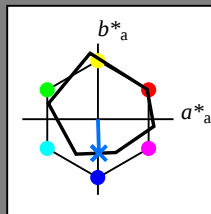
Hue texts:

$u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -45

$LAB^*LCH^*_{Ma}$: 42 45 271

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

$lab^*olv^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

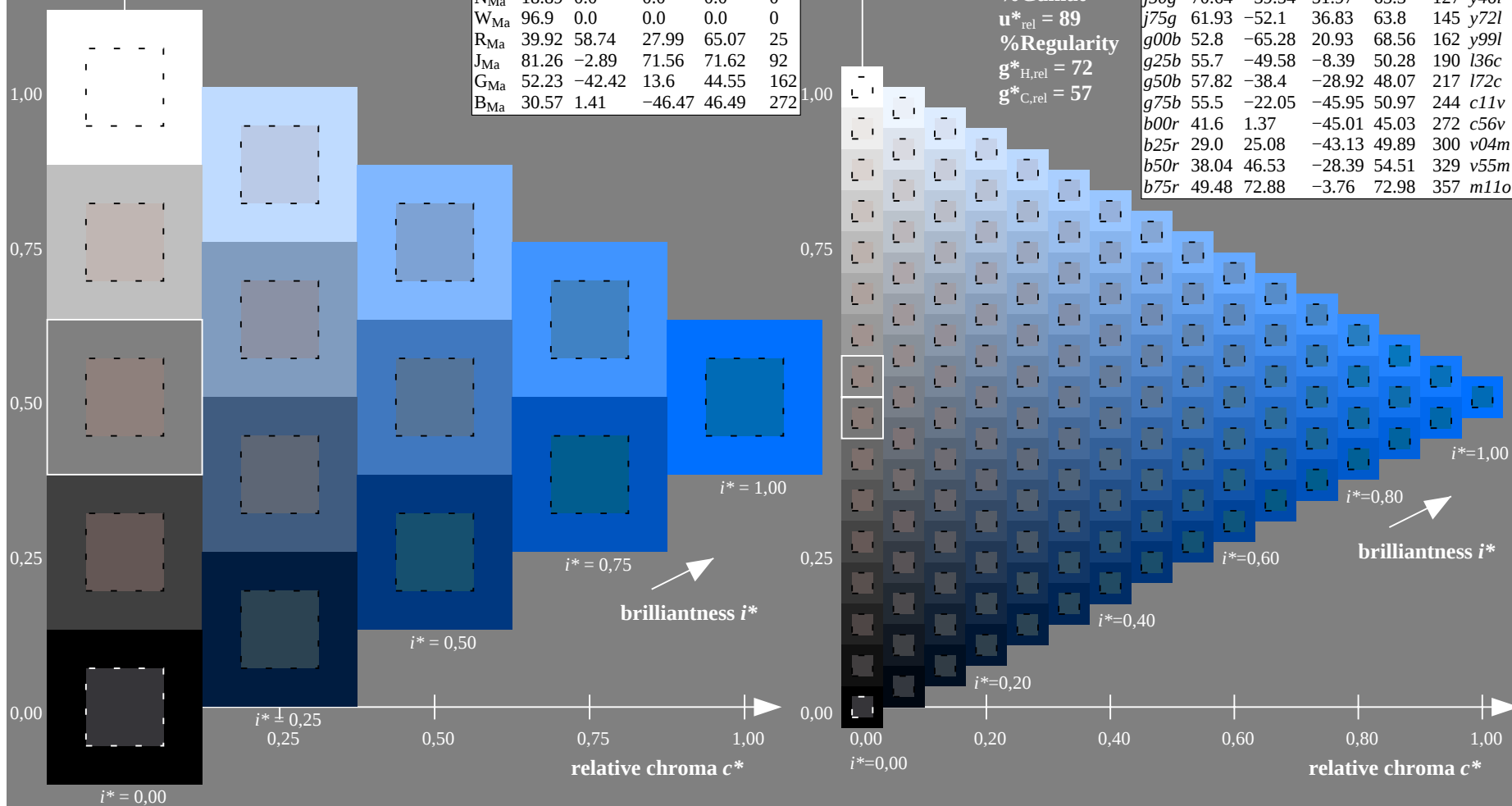
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

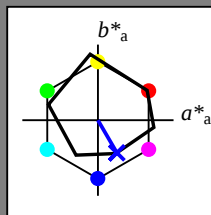
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b00r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b25r$ $u_d^* = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 29 50 300

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 0.04 0.0 1.0

triangle lightness t^*

% Gamut

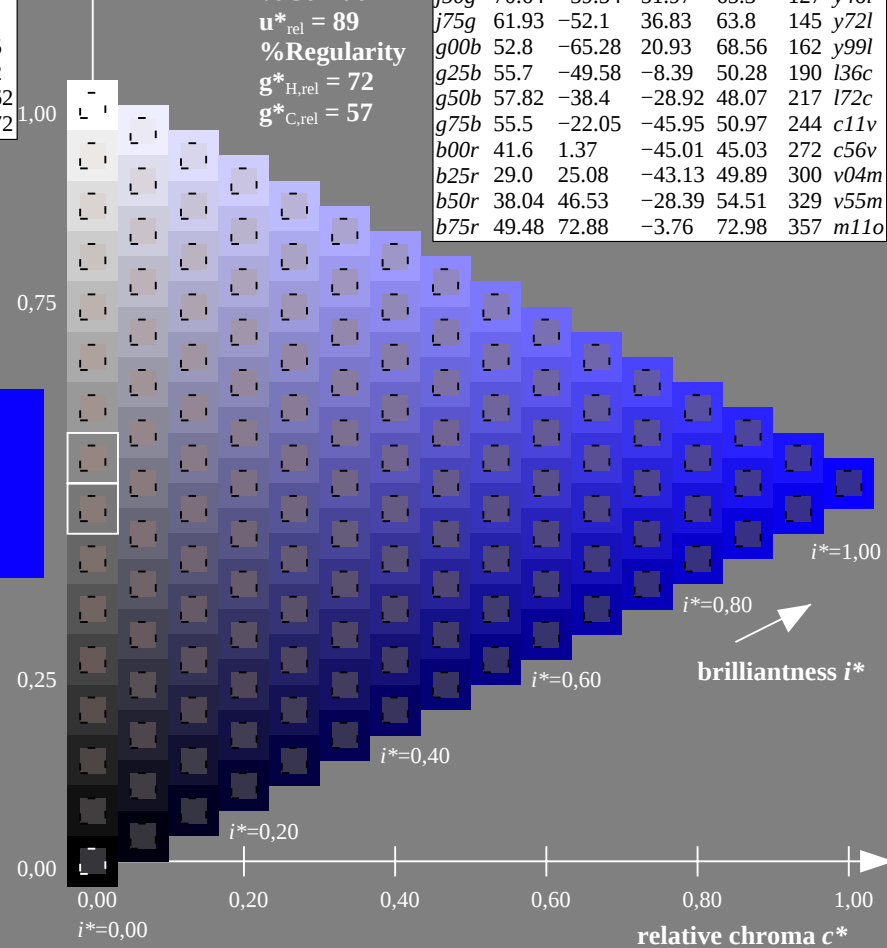
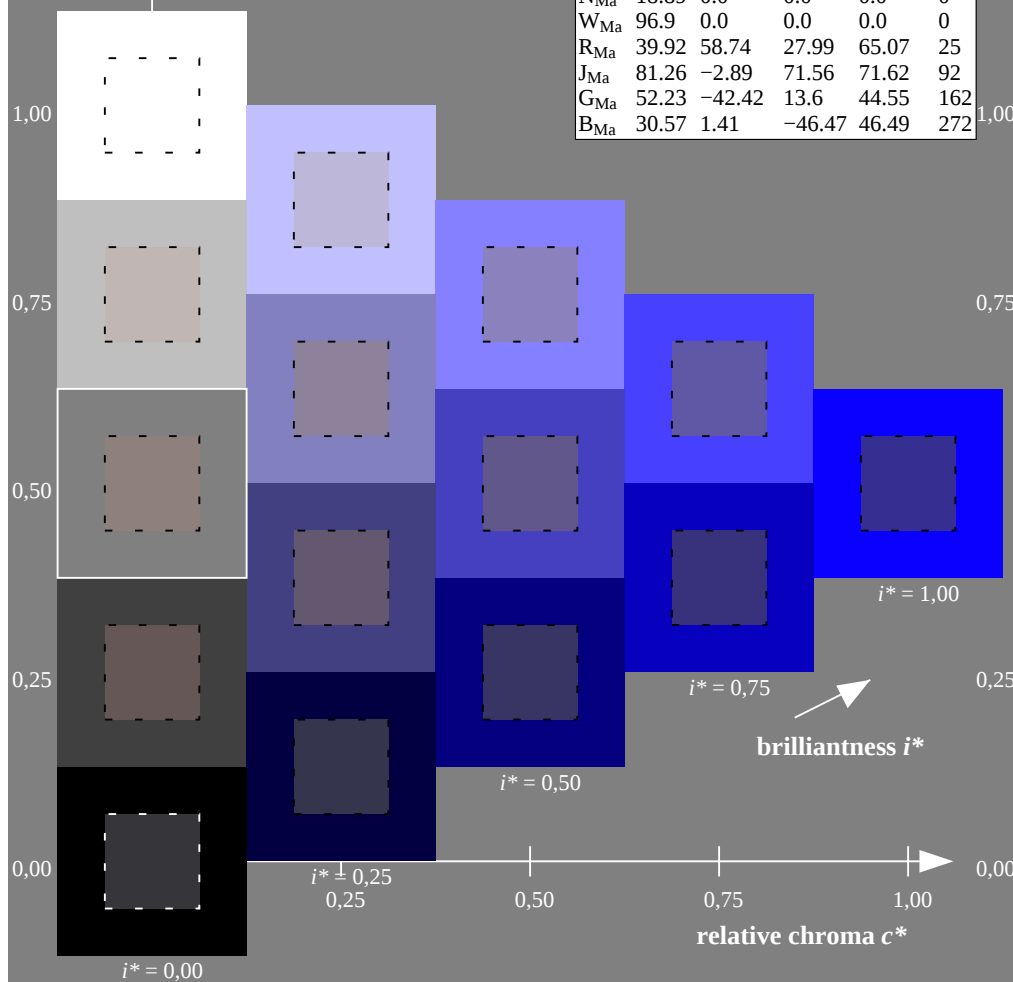
$u_{rel}^* = 89$

% Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

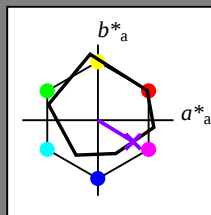
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -28

$LAB^*LCH^*_{Ma}$: 38 55 328

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

$lab^*olv^*_{Ma}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

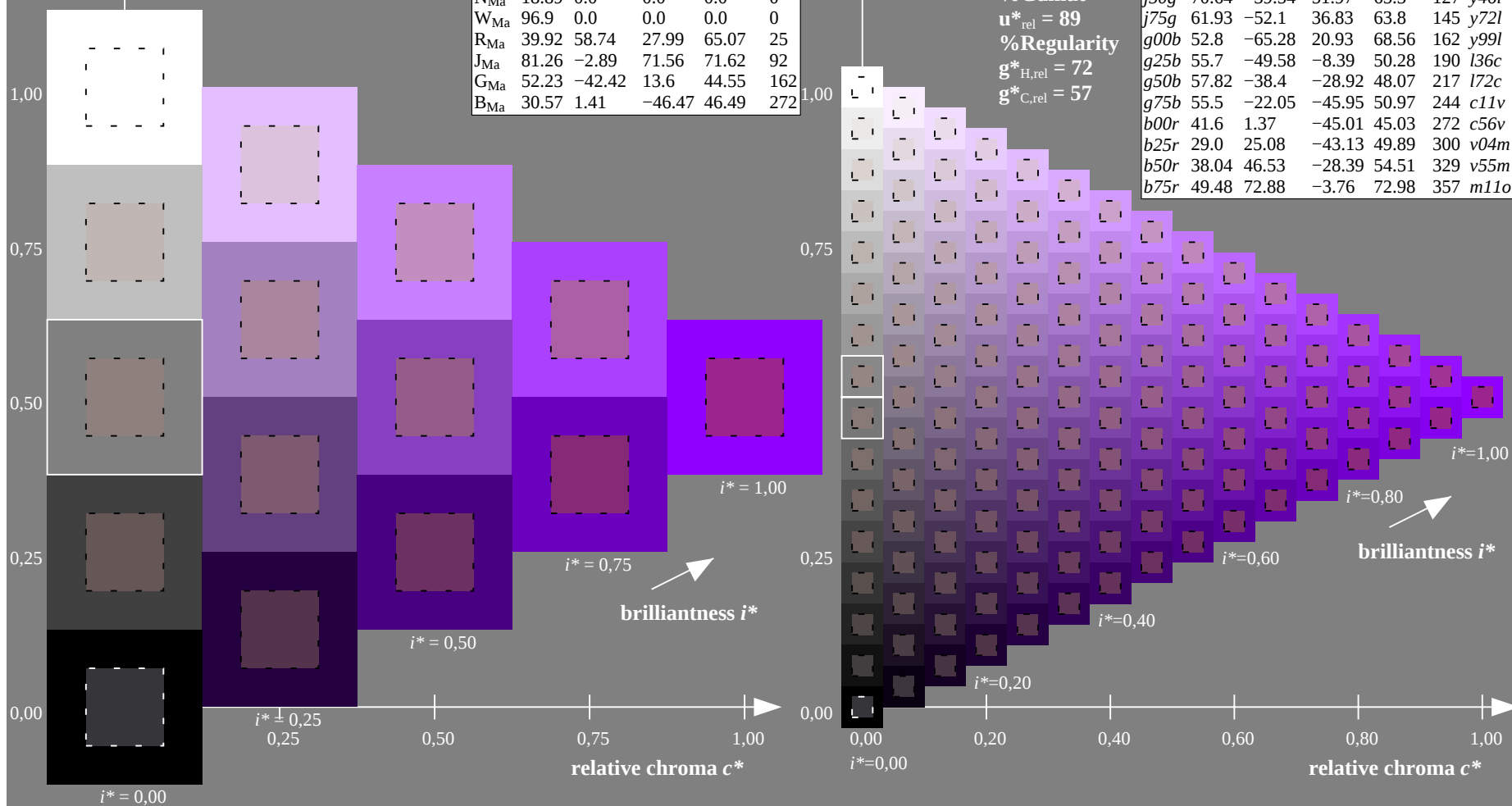
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$u^*_e = b50r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:

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

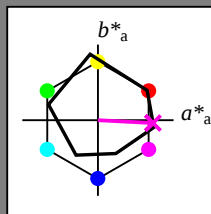
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -4

$LAB^*LCH^*_{Ma}$: 49 73 357

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

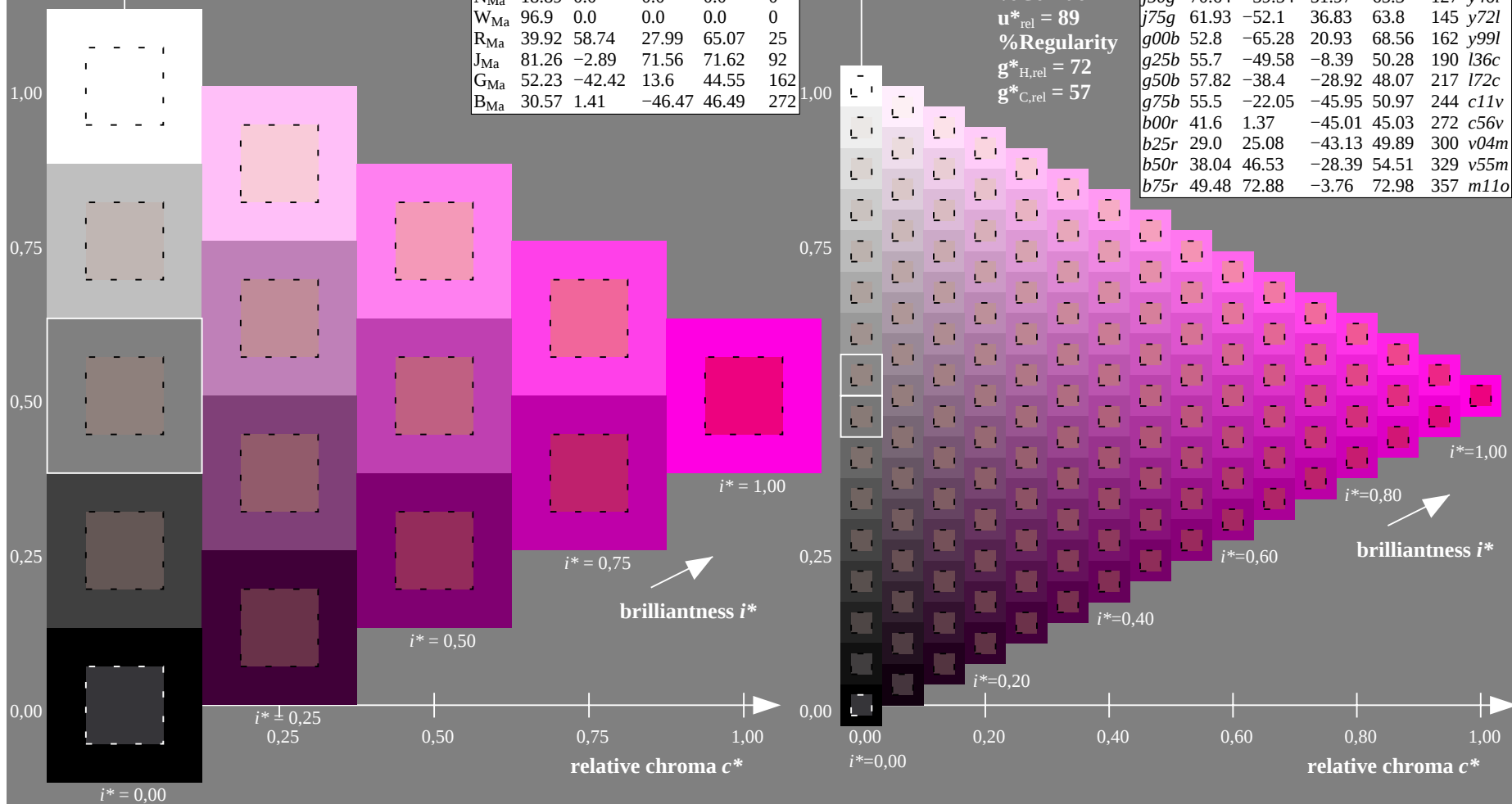
$g^*_{H,rel} = 72$

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

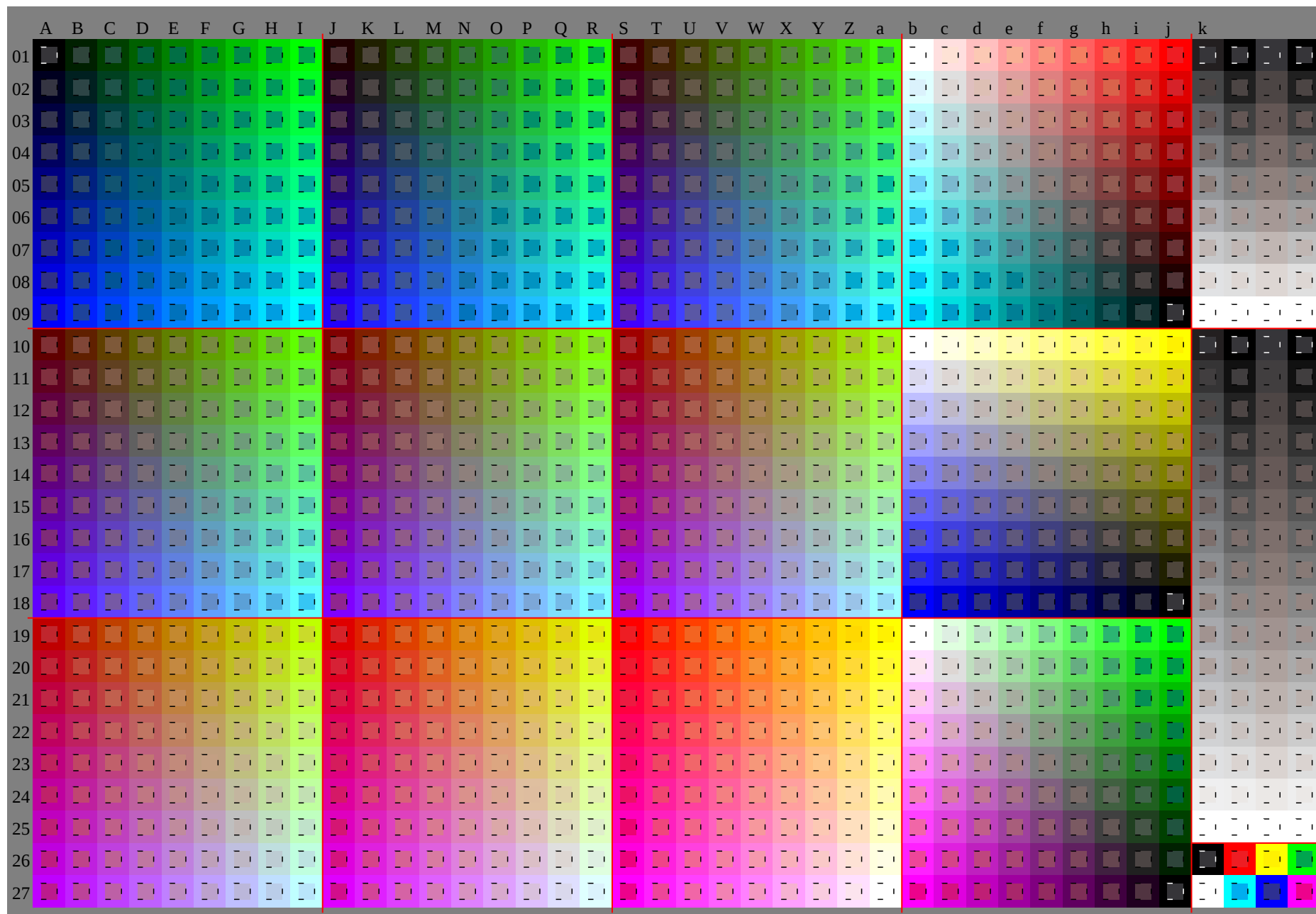
ORS19_96a; adapted (a) CIELAB data

	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$u^*_e = b75r$



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

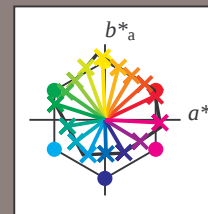


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u^*_e and number *no.* = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84o</i>
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>



%Gamut

$u^*_{rel} = 89$

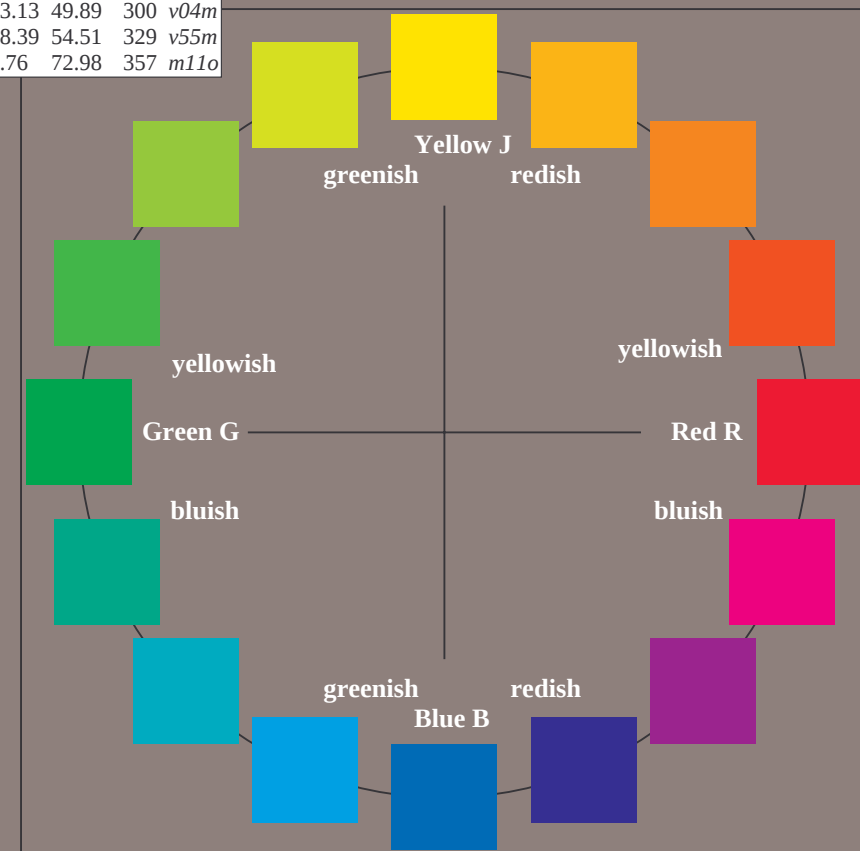
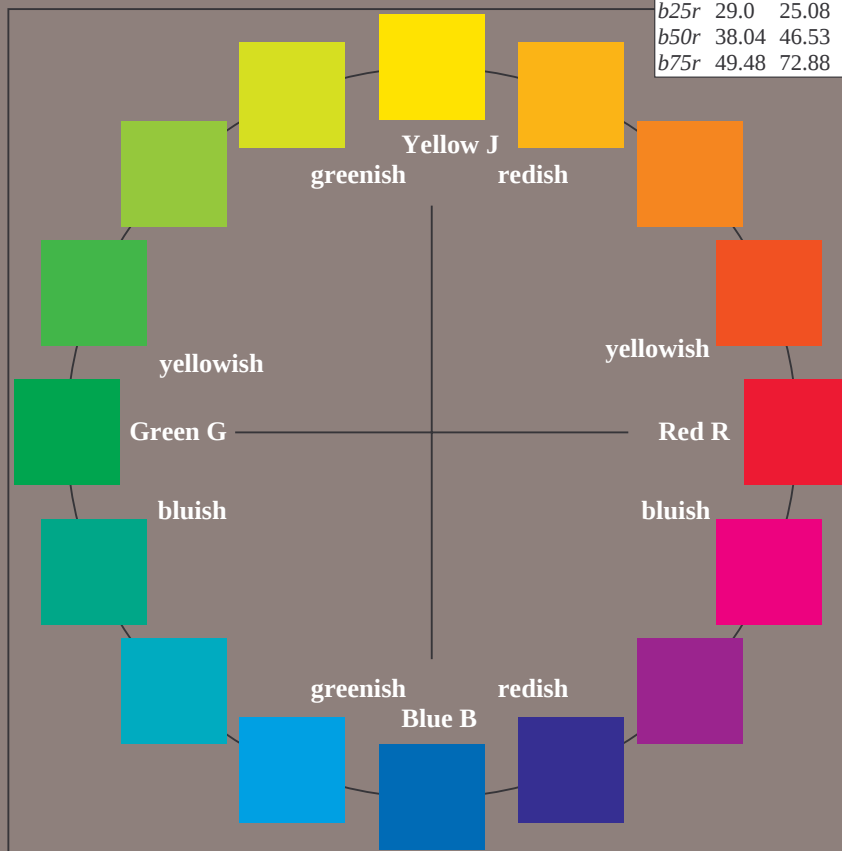
%Regularity

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

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

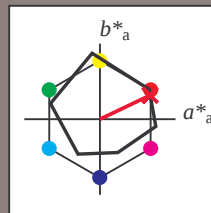
ORS19_96a; adapted (a) CIELAB data

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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r00j$ $u_d^* = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



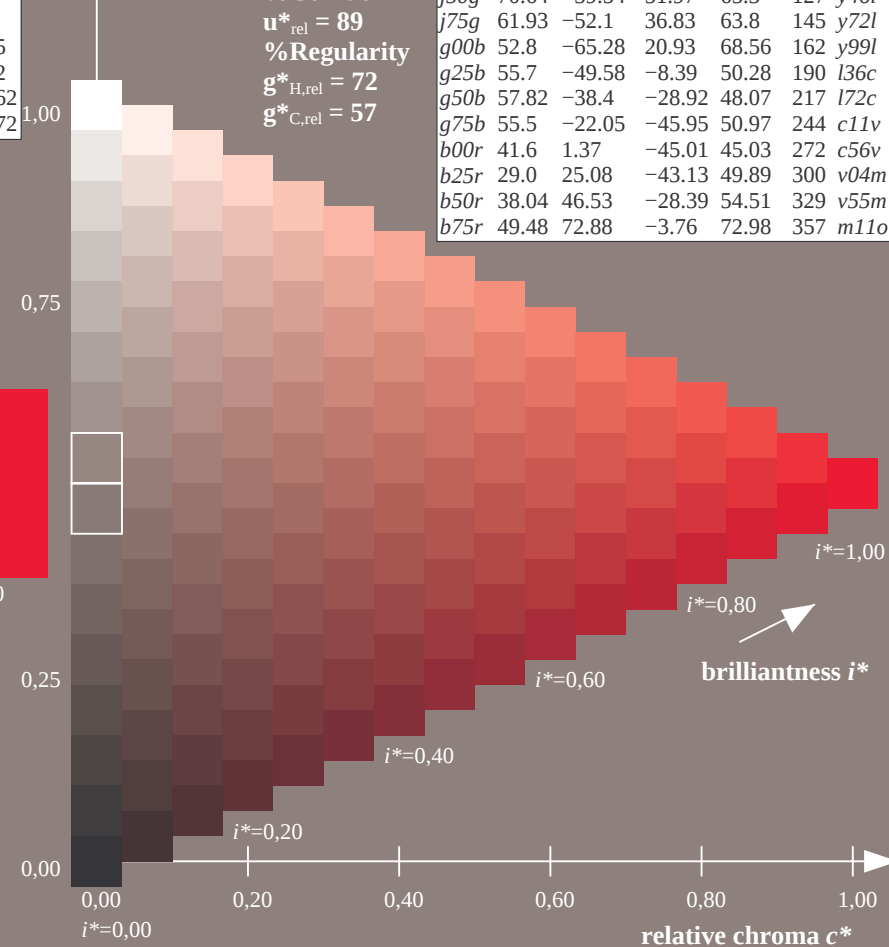
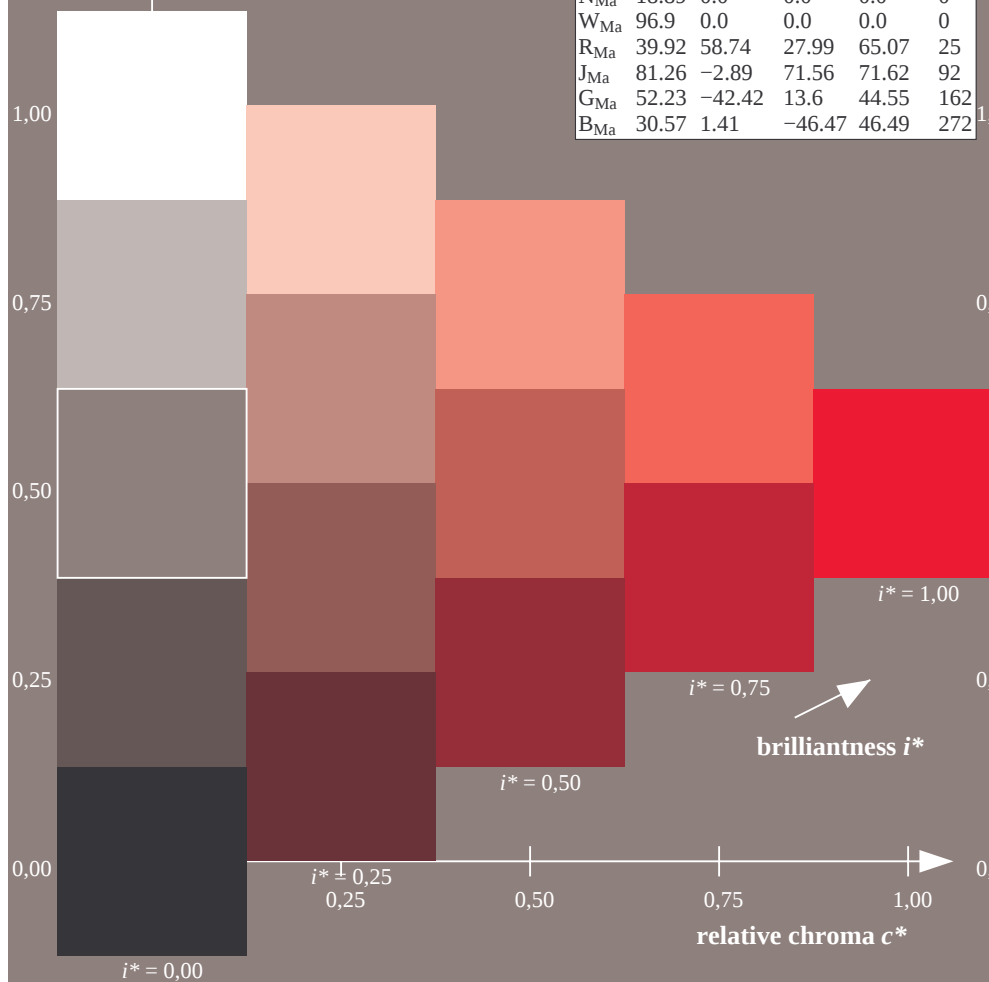
ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 66 32
 $LAB^*LCH^*_{Ma}$: 49 74 25
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness t^*

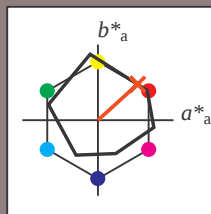
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 52 47

$LAB^*LCH^*_{Ma}$: 56 71 42

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

$lab^*olv^*_{Ma}$: 1.0 0.17 0.0

triangle lightness t^*

%Gamut

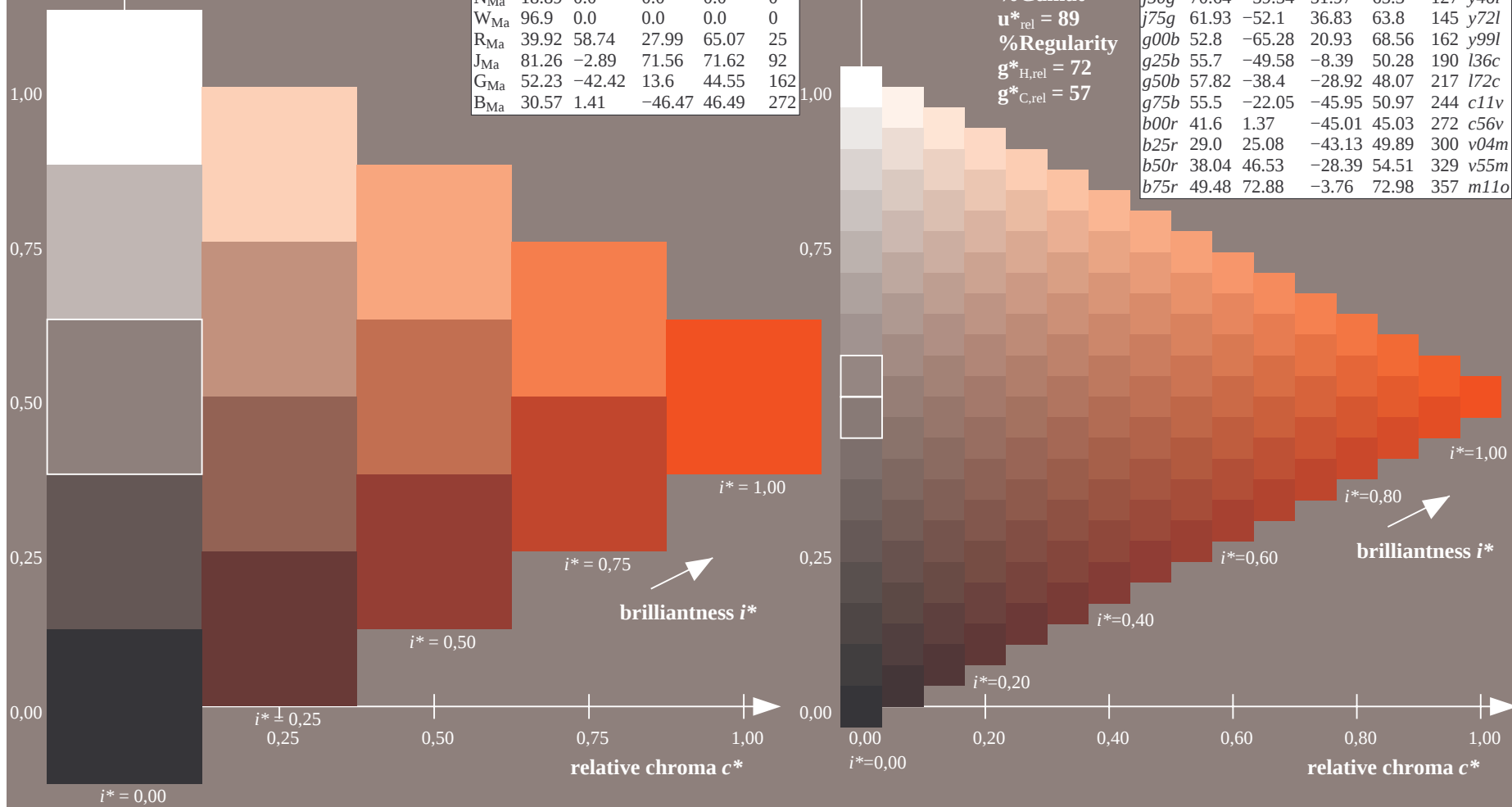
$u^*_{rel} = 89$

%Regularity

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

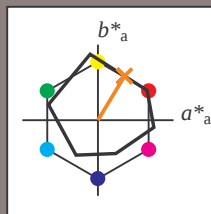
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 35 58

$LAB^*LCH^*_{Ma}$: 65 68 58

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

$lab^*olv^*_{Ma}$: 1.0 0.42 0.0

triangle lightness t^*

%Gamut

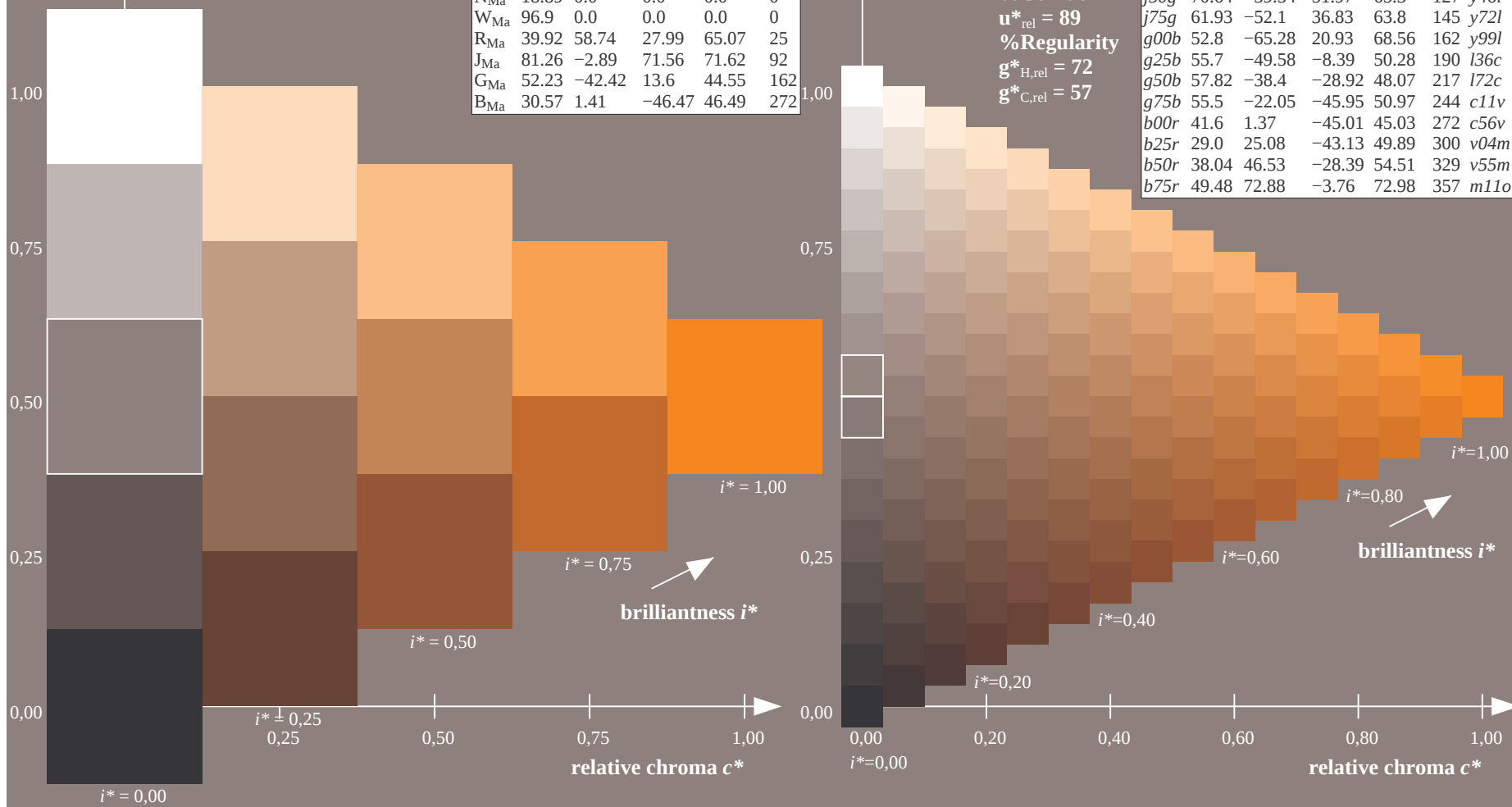
$u^*_{rel} = 89$

%Regularity

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

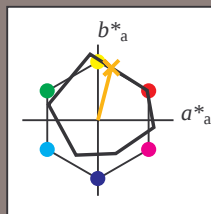
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 75 18 69

$LAB^*LCH^*_{Ma}$: 75 72 75

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

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

triangle lightness t^*

%Gamut

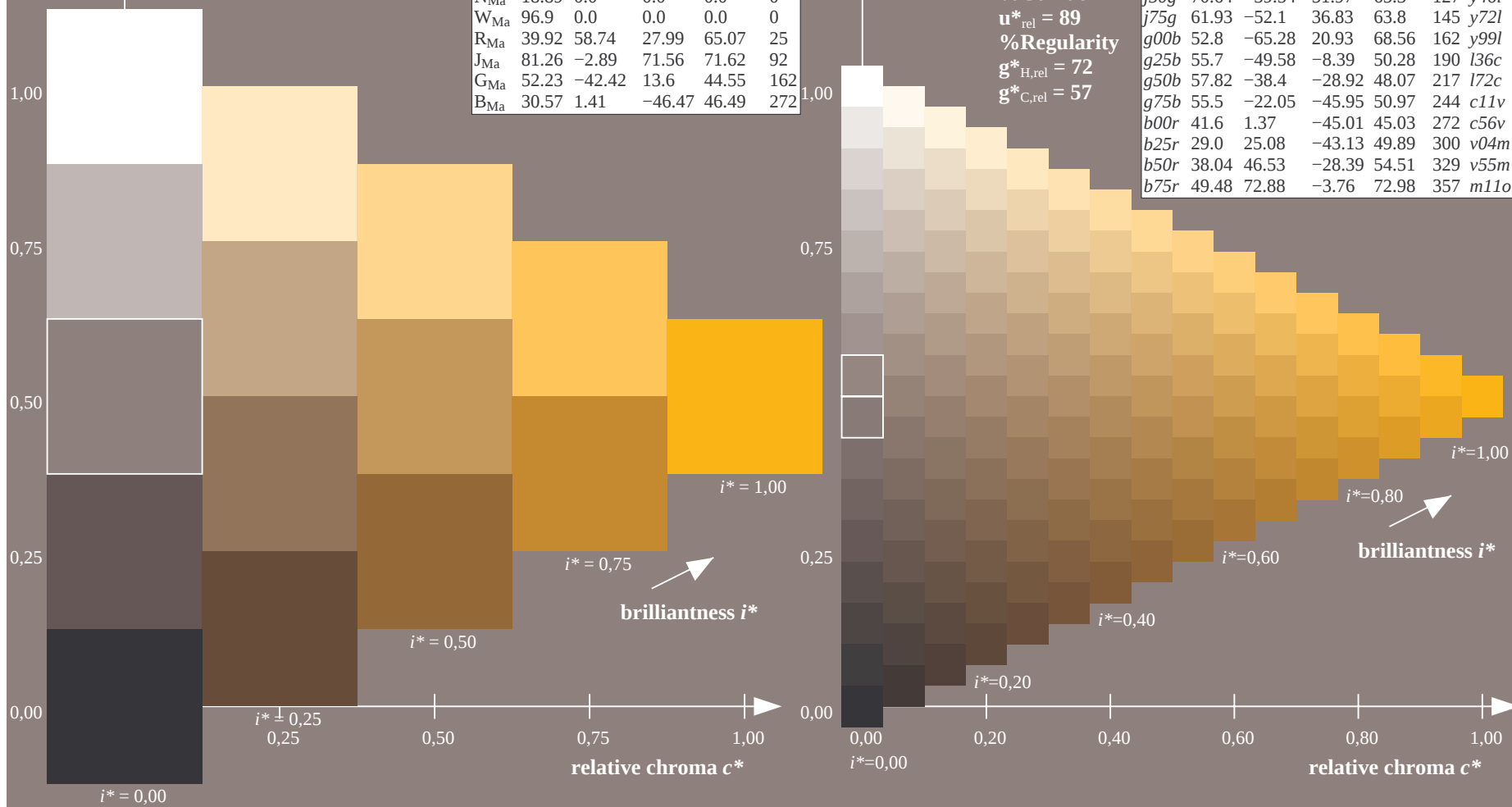
$u_{rel}^* = 89$

%Regularity

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

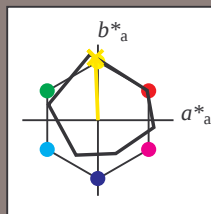
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j00g$ $u_d^* = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -3 83

$LAB^*LCH^*_{Ma}$: 87 83 92

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

$lab^*olv^*_{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

%Gamut

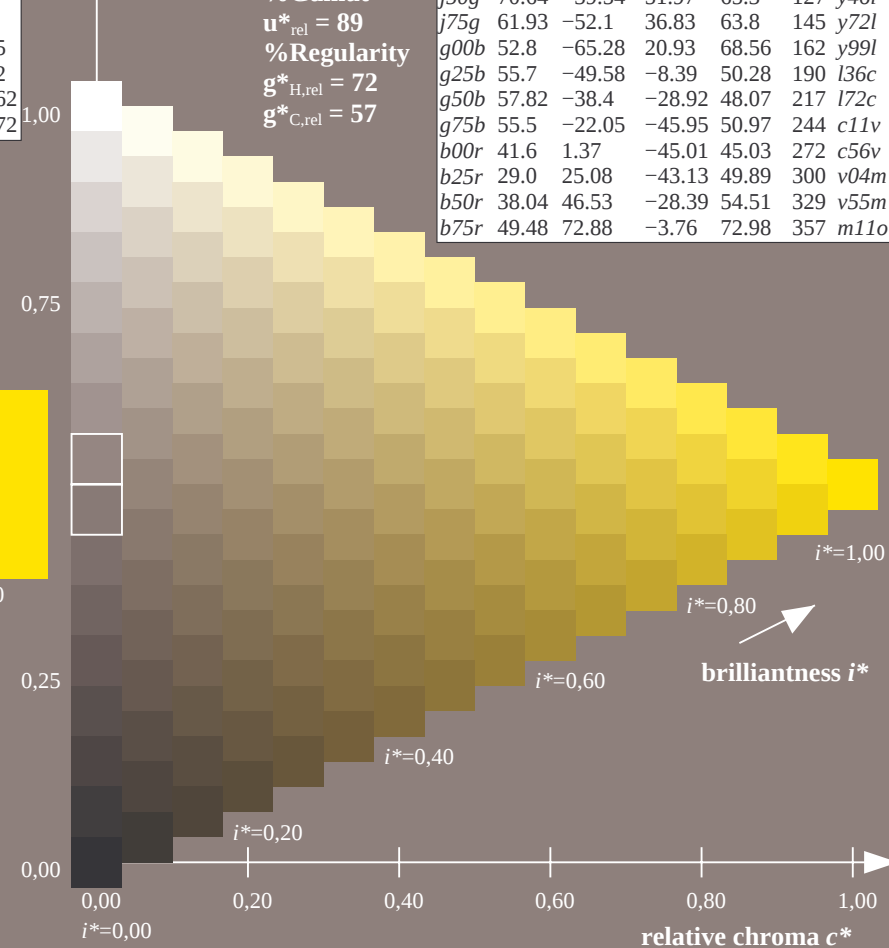
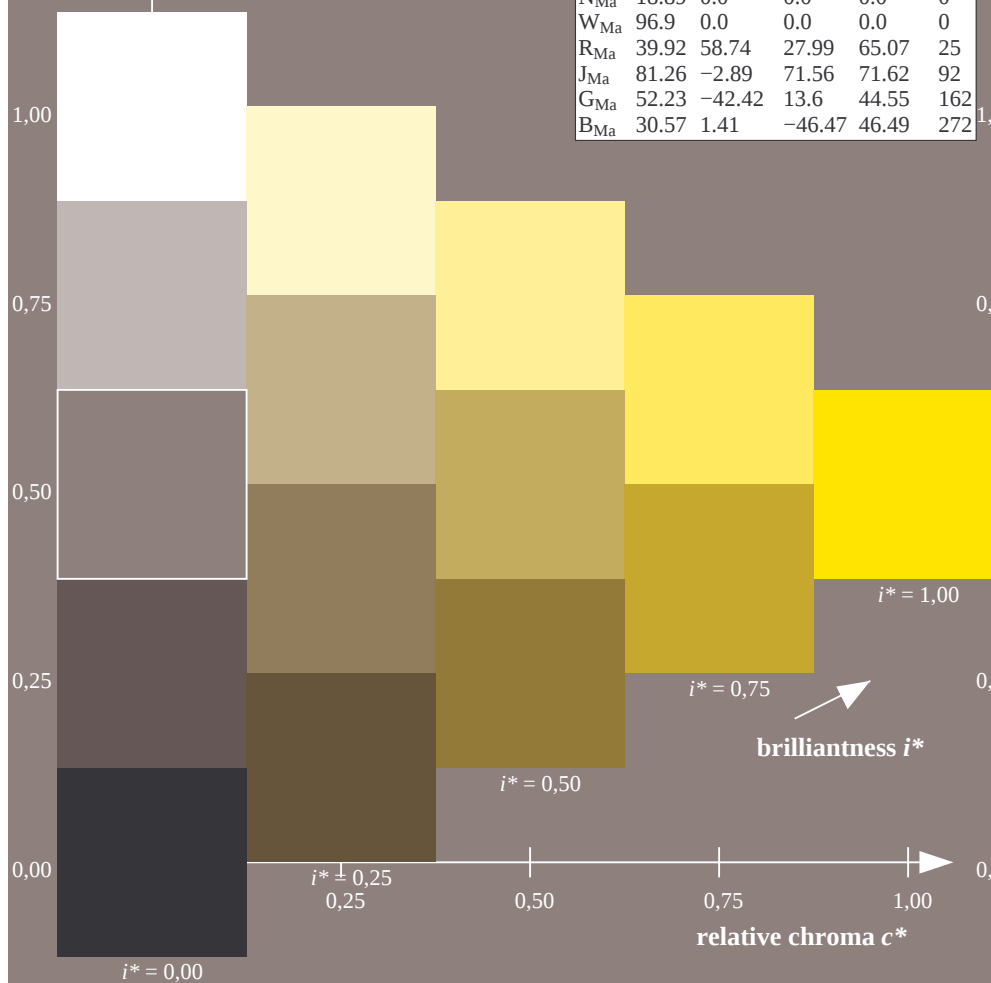
$u_{rel}^* = 89$

%Regularity

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

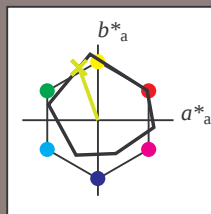
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j25g$ $u_d^* = y20l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

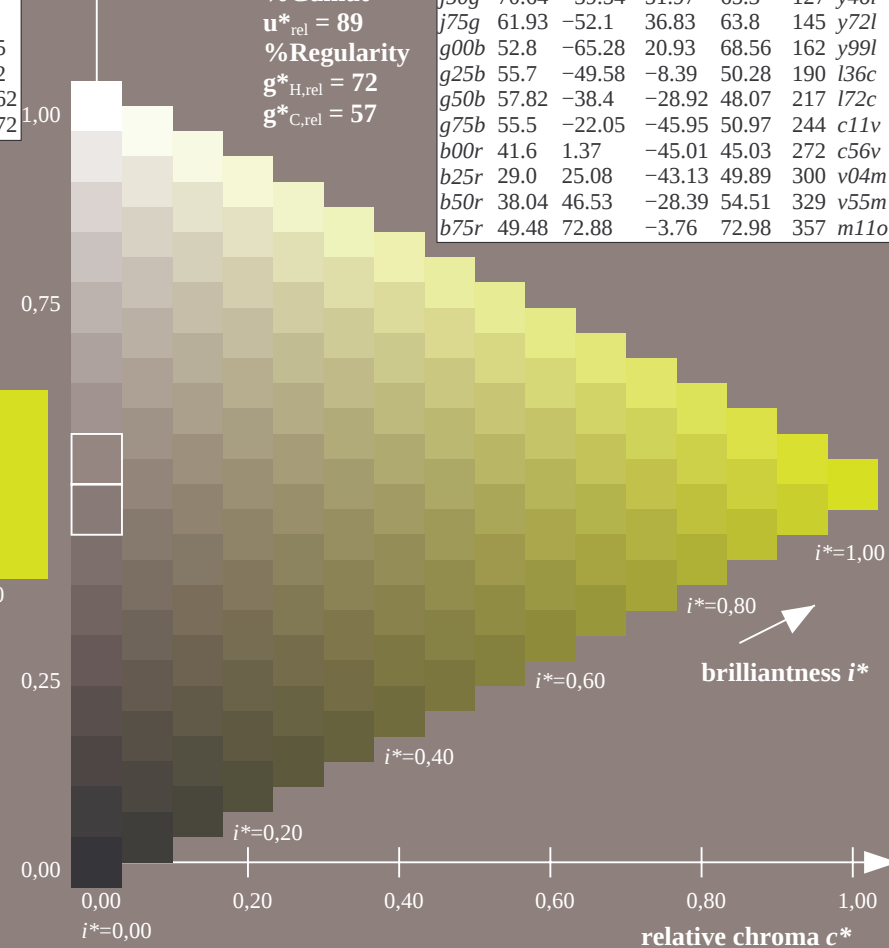
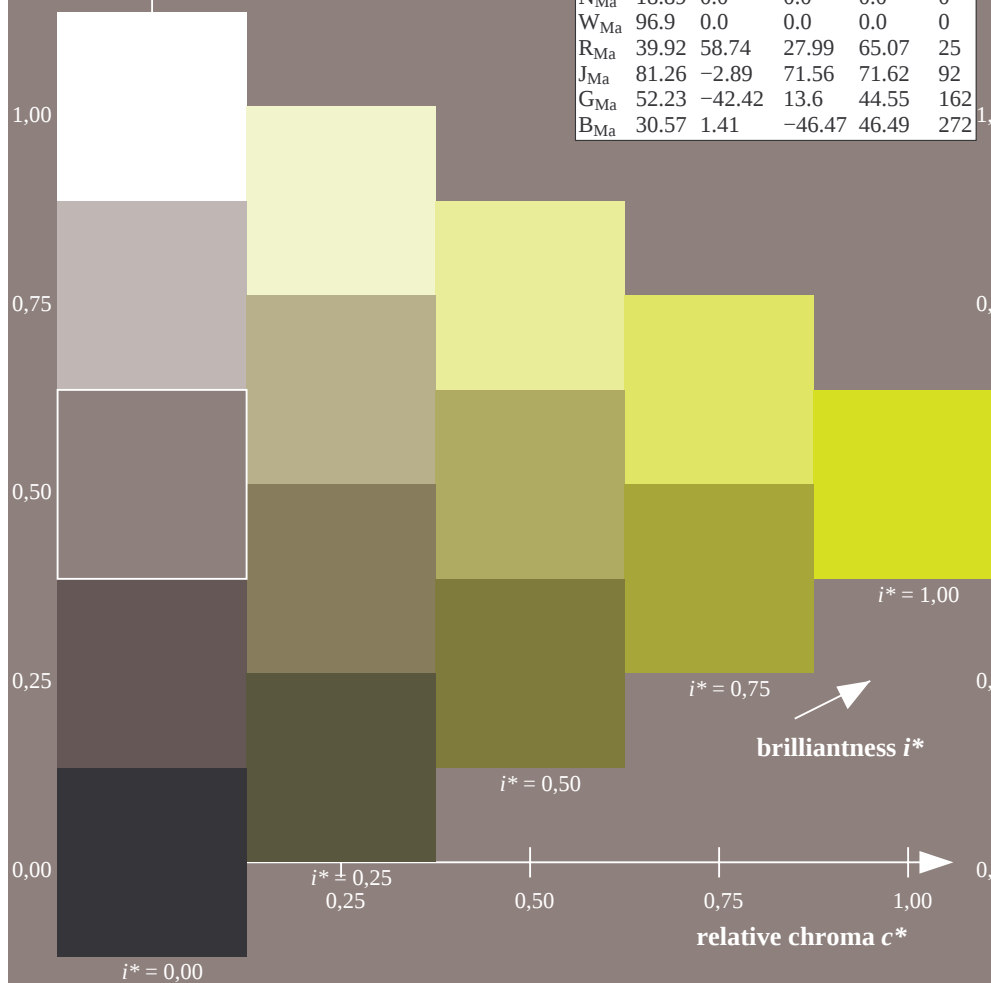
$u_{\text{rel}}^* = 89$

%Regularity

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

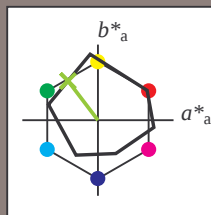
$g_{C,\text{rel}}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j50g$ $u_d^* = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -40 52

$LAB^*LCH^*_{Ma}$: 71 65 127

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

$lab^*olv^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

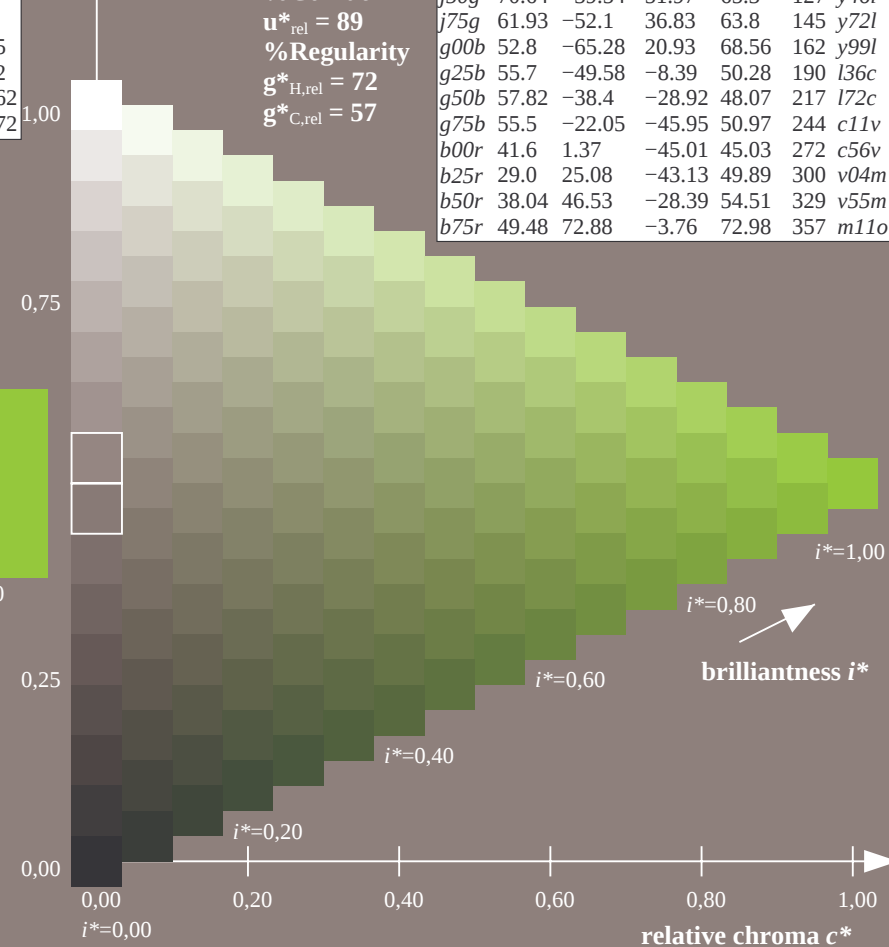
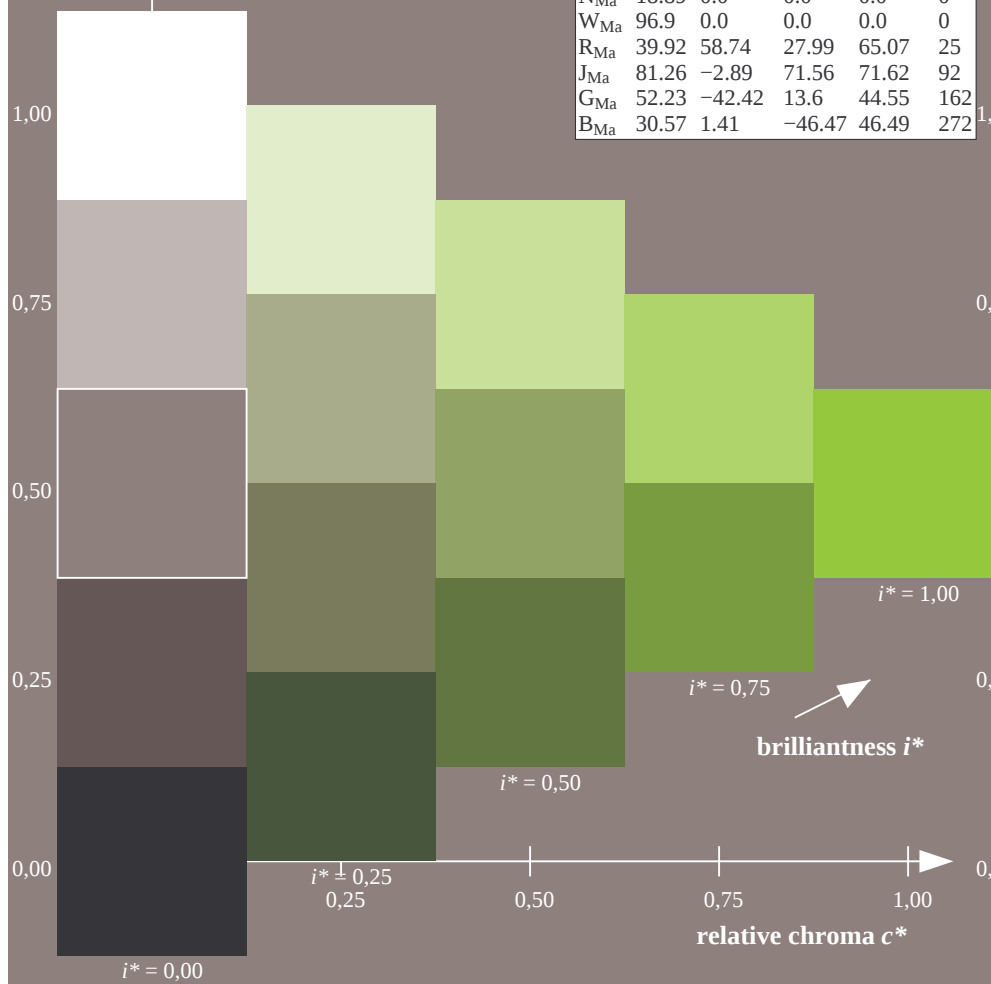
$u_{rel}^* = 89$

%Regularity

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

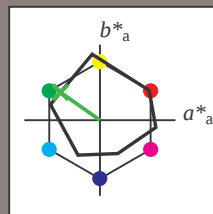
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -52 37

$LAB^*LCH^*_{Ma}$: 62 64 144

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

$lab^*olv^*_{Ma}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

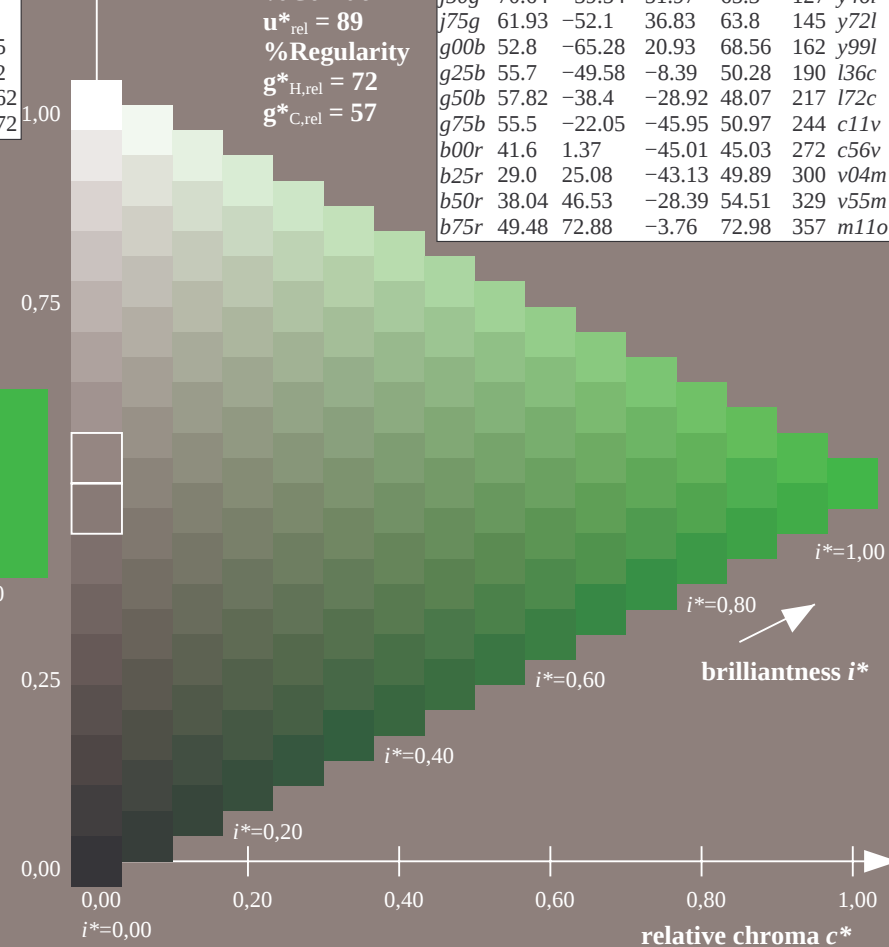
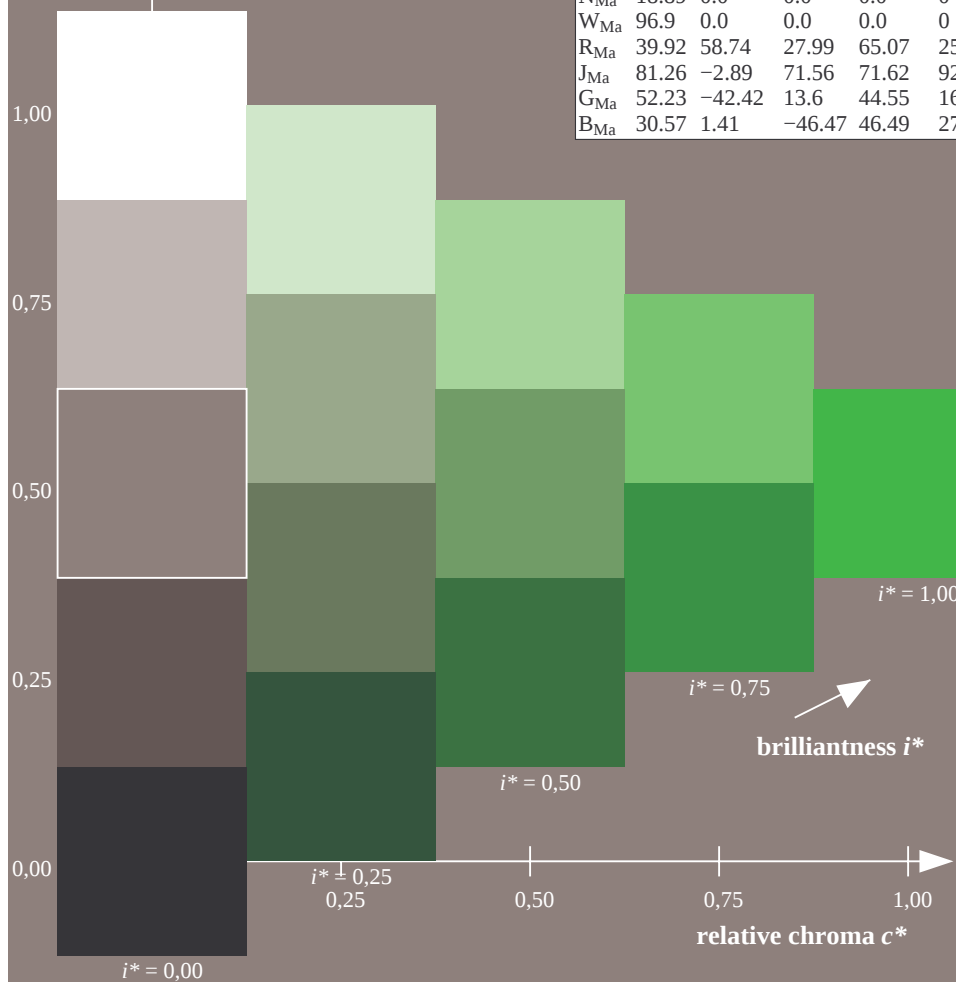
$u^*_{rel} = 89$

%Regularity

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

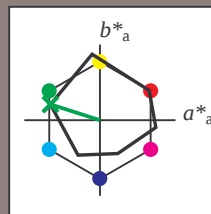
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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:
 $u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

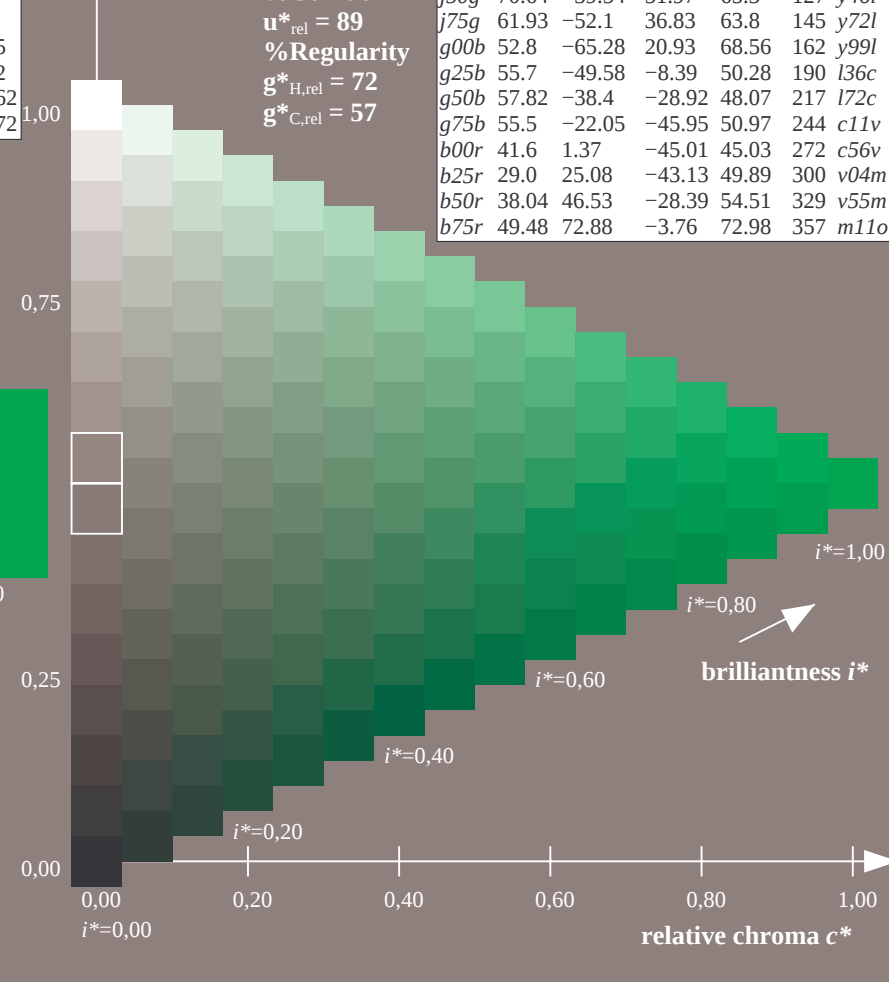
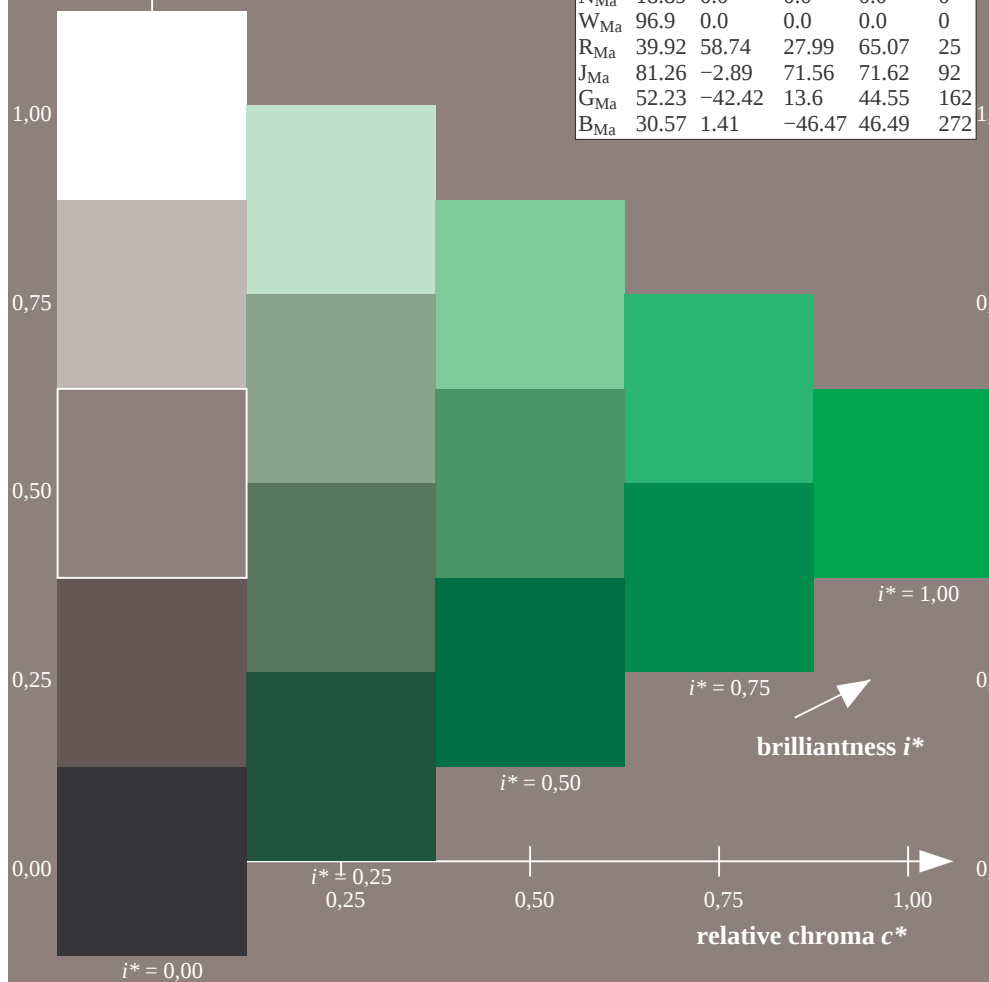
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

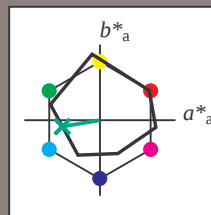
Hue texts:

$u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -50 -8

$LAB^*LCH^*_{Ma}$: 56 50 189

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

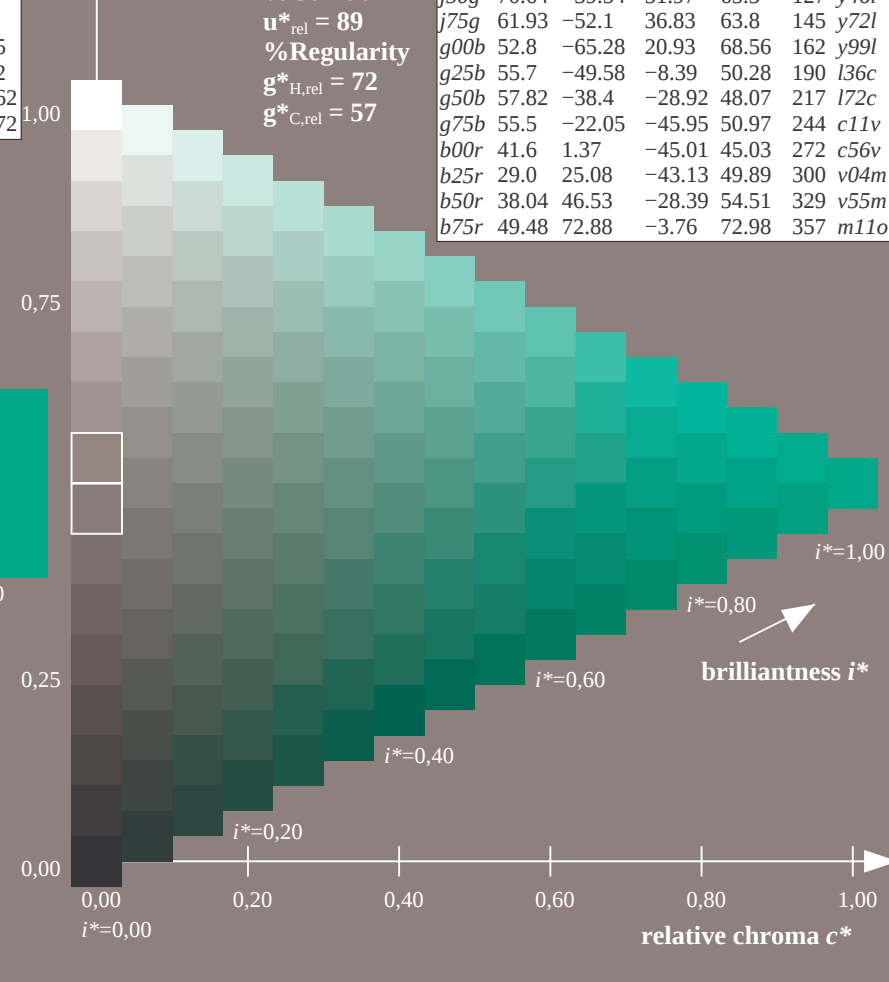
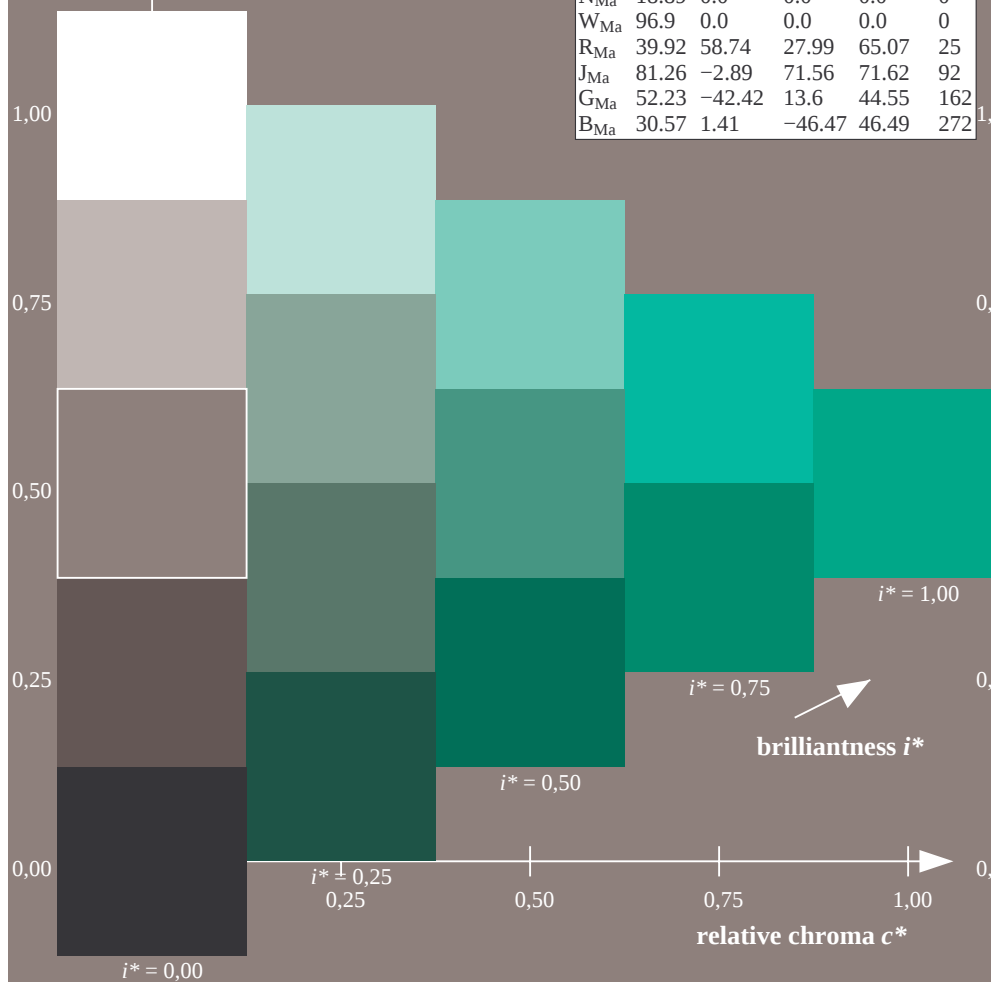
$u^*_{rel} = 89$

%Regularity

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

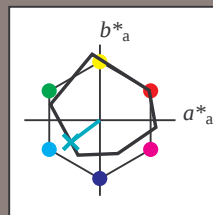
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

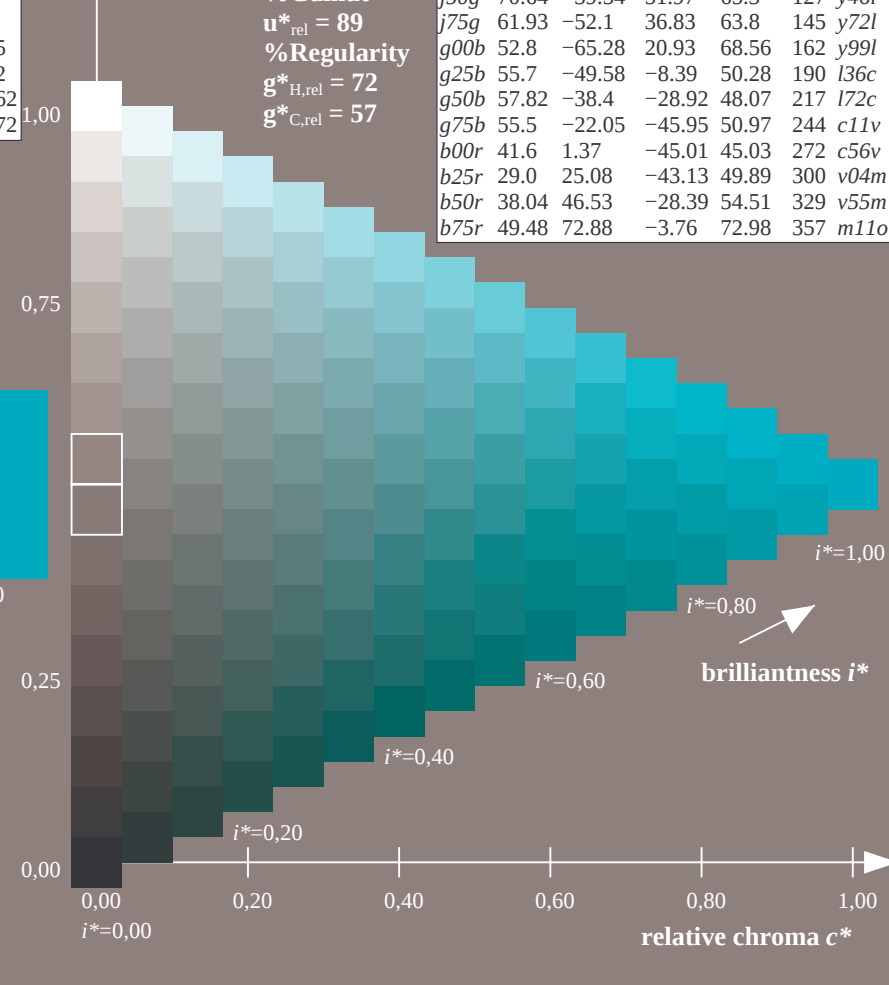
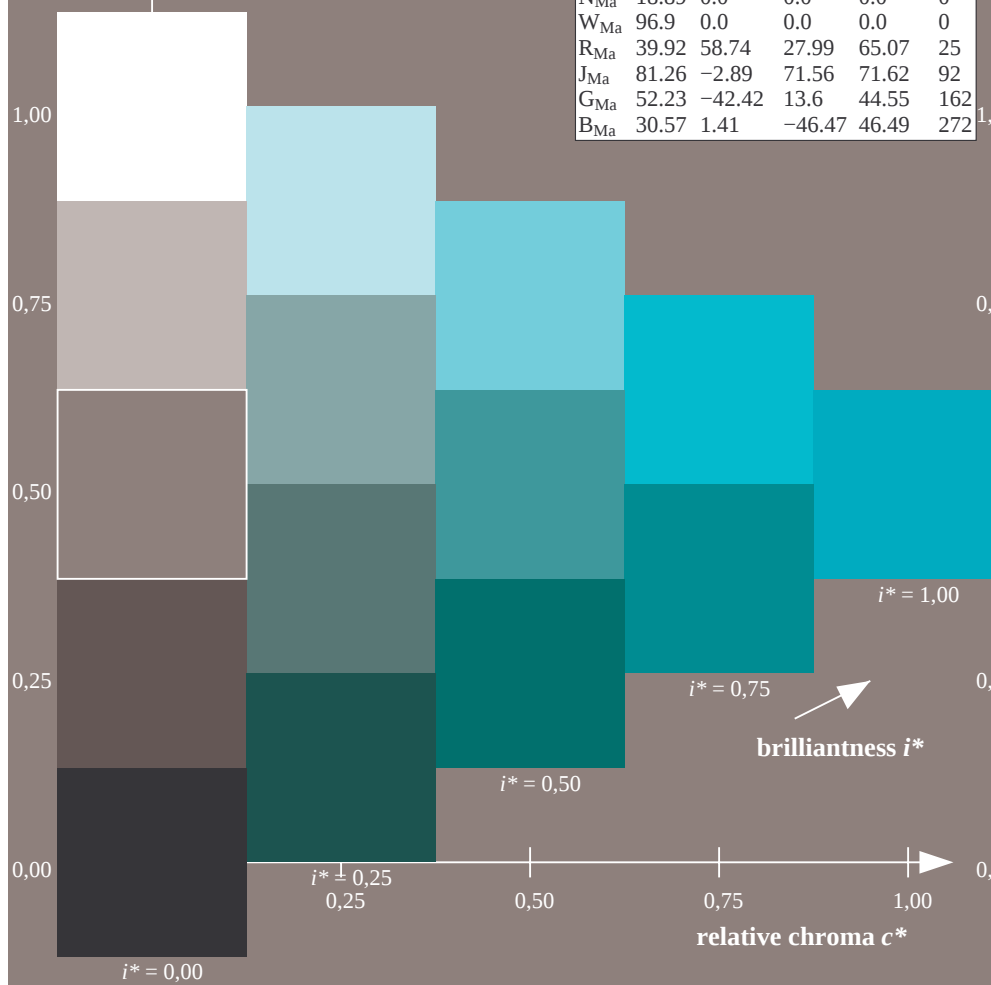
$u^*_{rel} = 89$

%Regularity

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

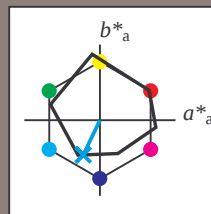
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g75b$ $u^*_d = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -22 -46

$LAB^*LCH^*_{Ma}$: 55 51 244

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

$lab^*olv^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

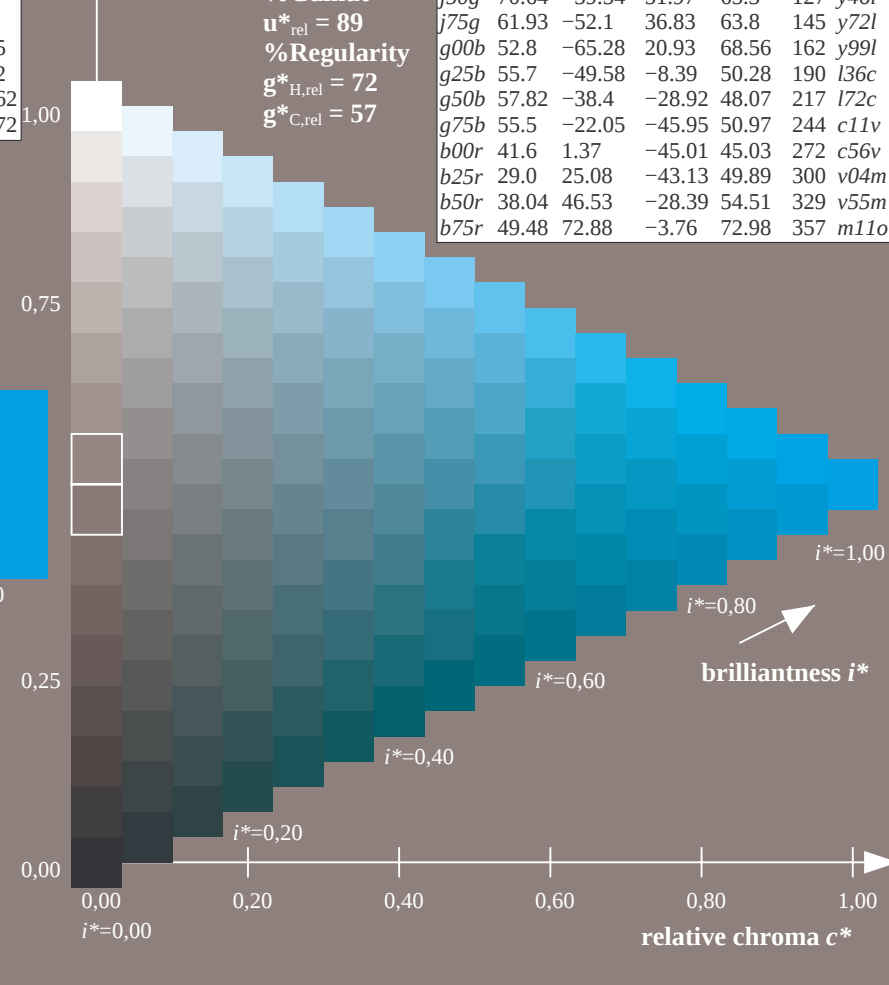
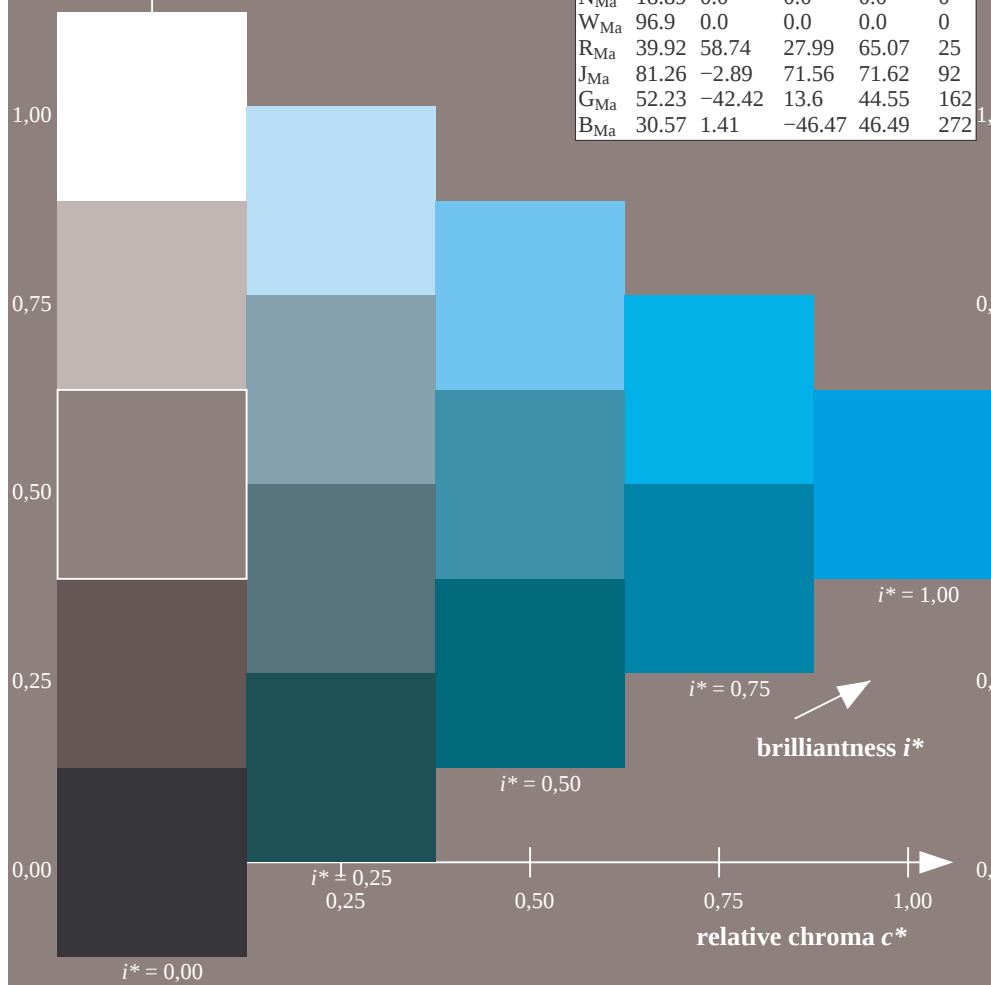
$u^*_{rel} = 89$

%Regularity

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

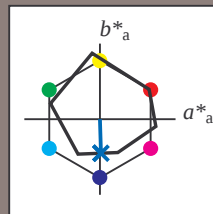
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -45

$LAB^*LCH^*_{Ma}$: 42 45 271

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

$lab^*olv^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

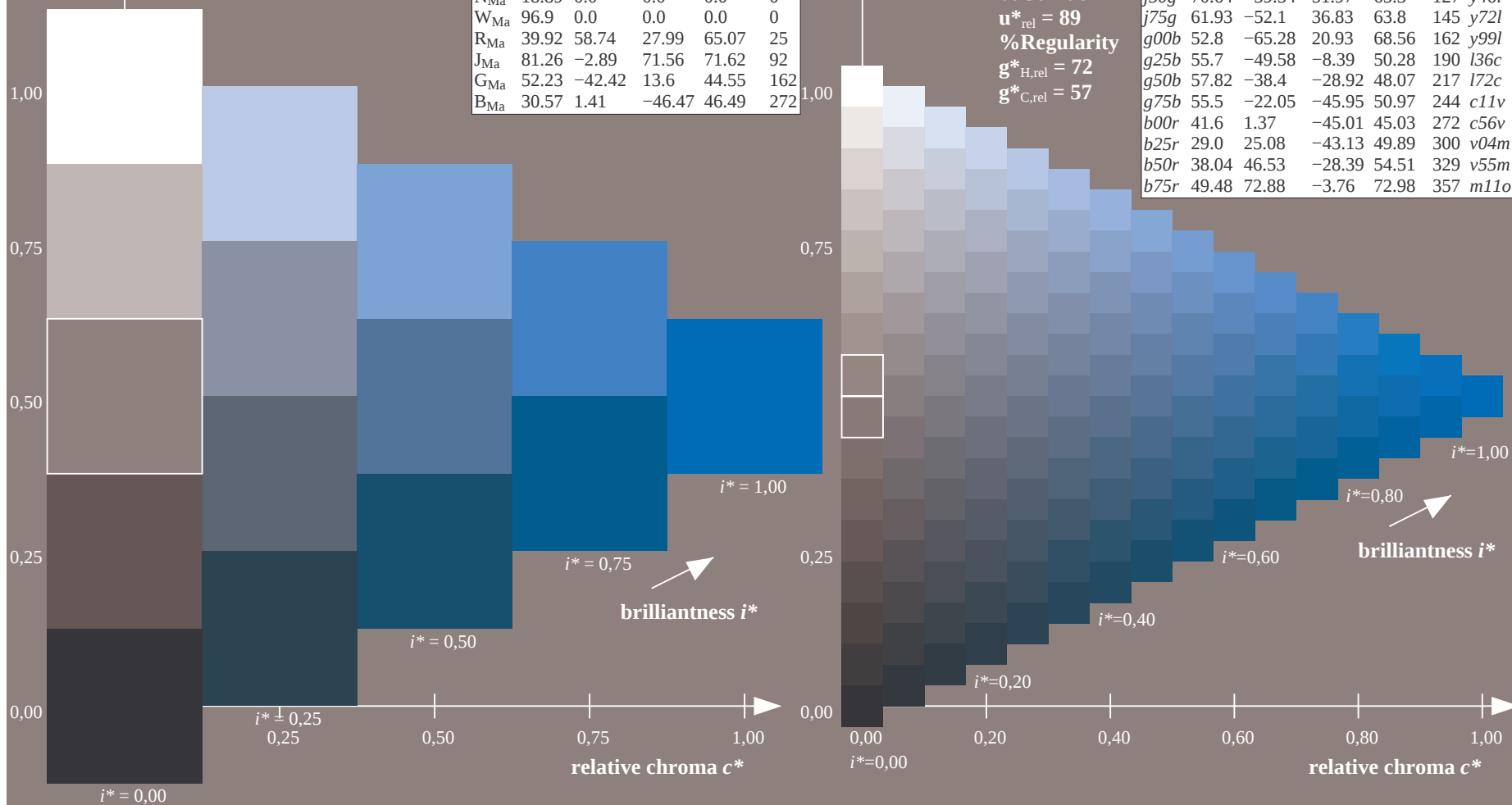
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:

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

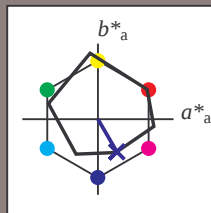
Hue texts:

$u_e^* = b25r$ $u_d^* = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -43

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*olv^*_{Ma}$: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

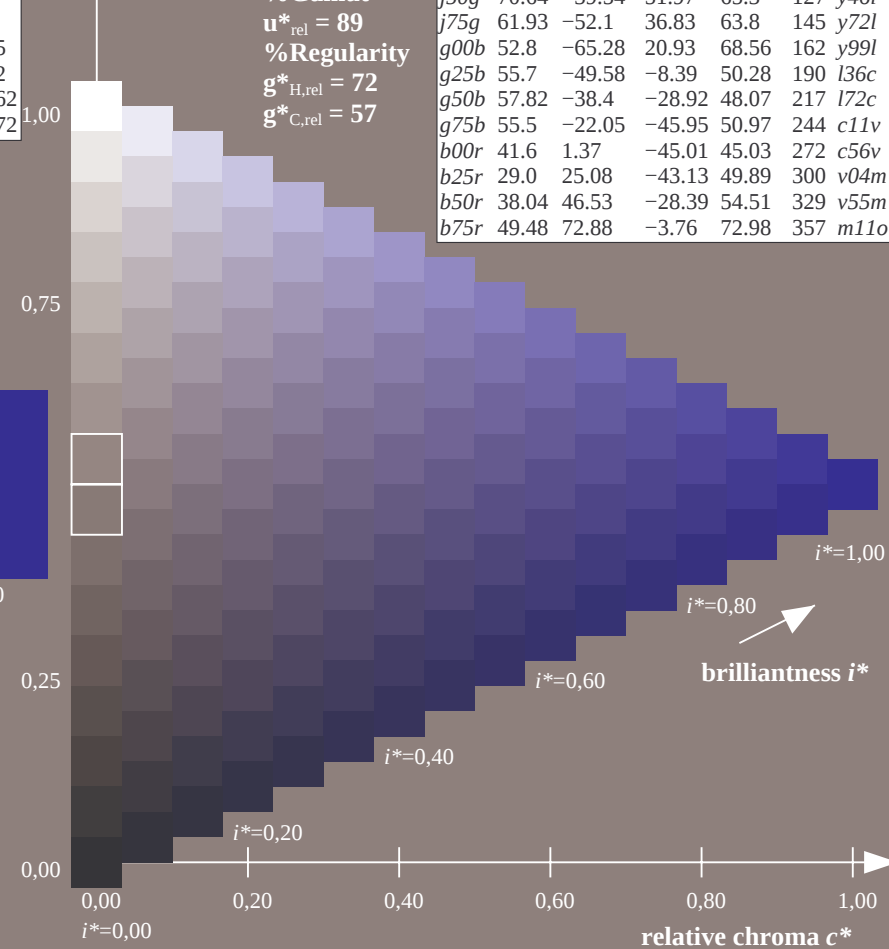
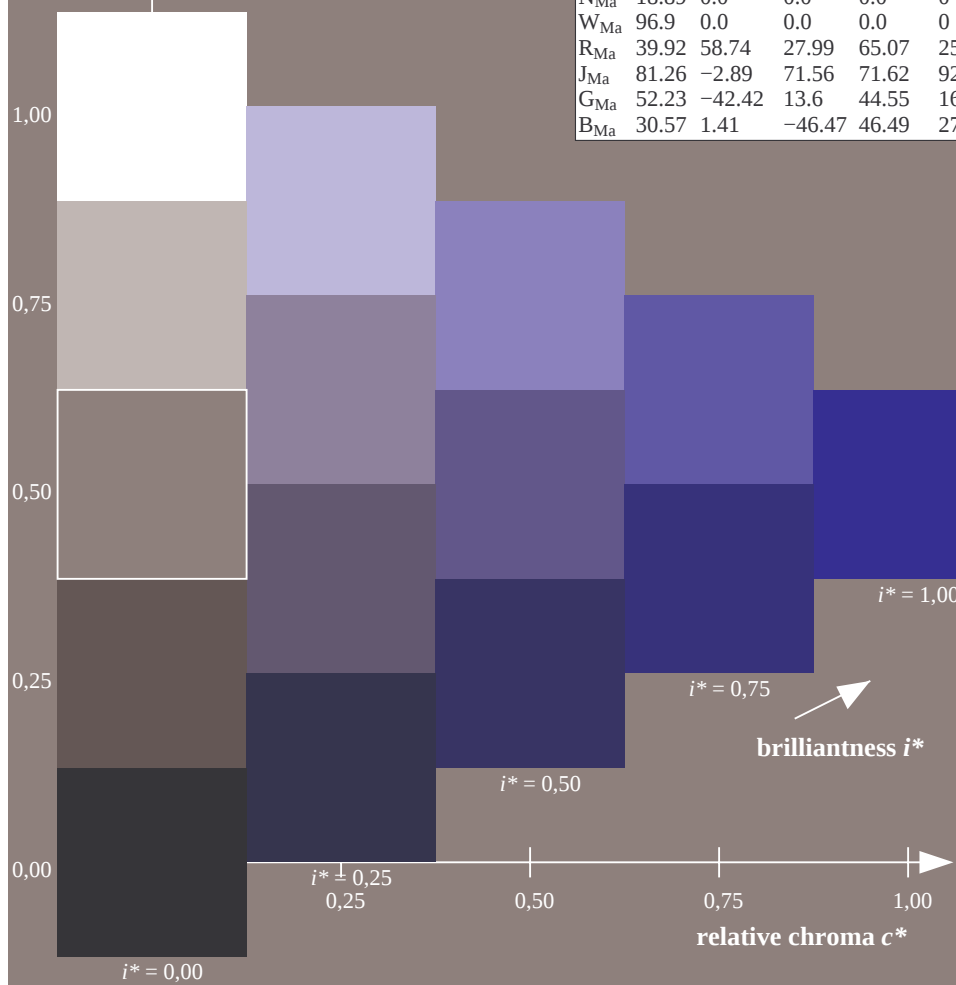
%Regularity

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

$g_{C,rel}^* = 57$

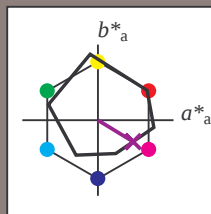
ORS19_96a; adapted (a) CIELAB data

	u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v55m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -28

$LAB^*LCH^*_{Ma}$: 38 55 328

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

$lab^*olv^*_{Ma}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

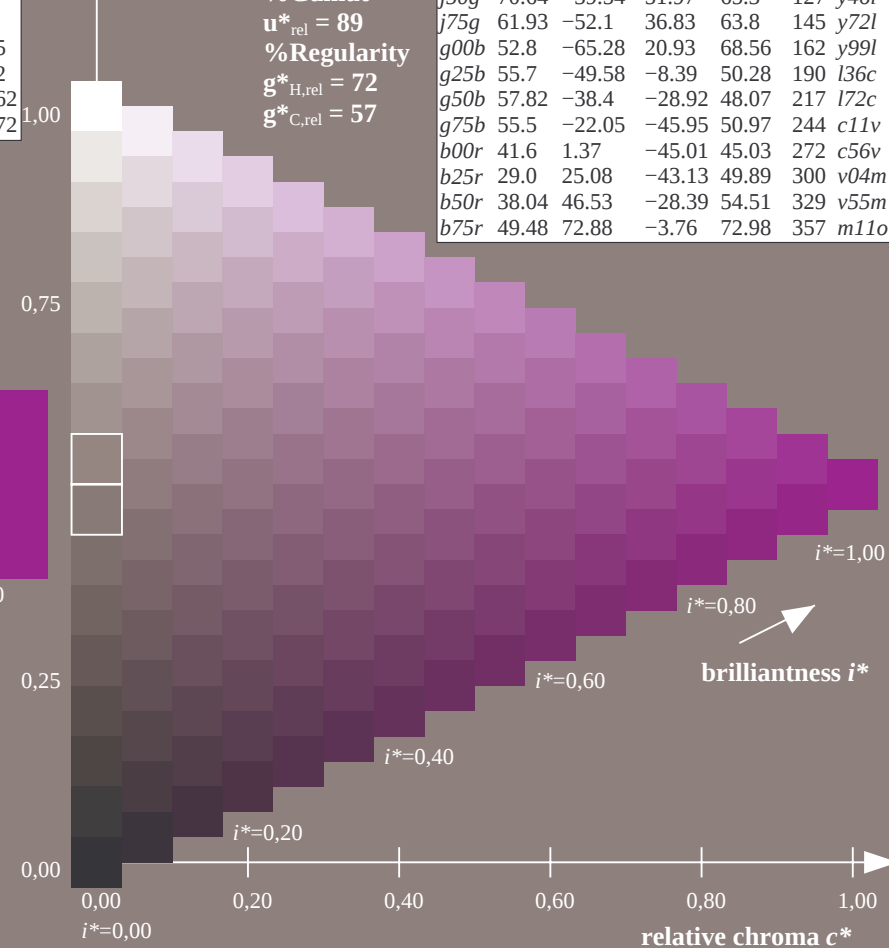
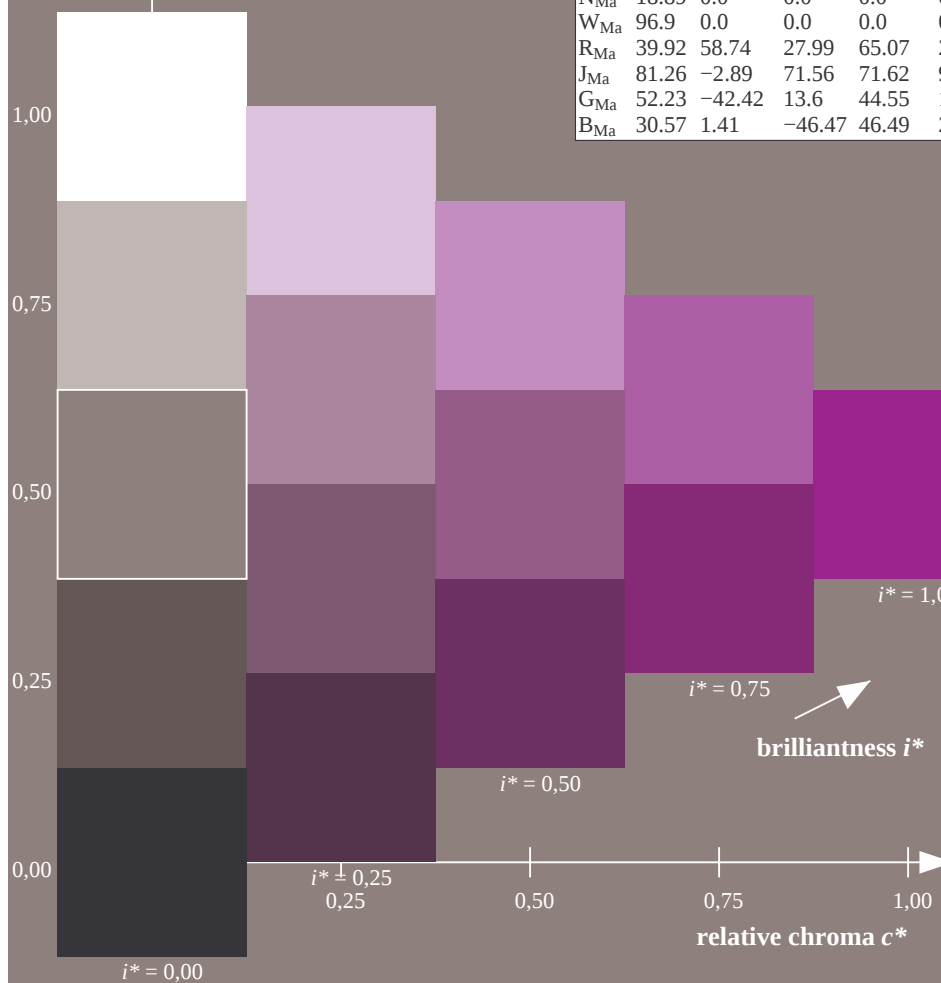
$u_{rel}^* = 89$

%Regularity

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

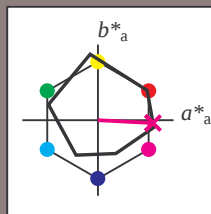
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -4

$LAB^*LCH^*_{Ma}$: 49 73 357

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

%Gamut

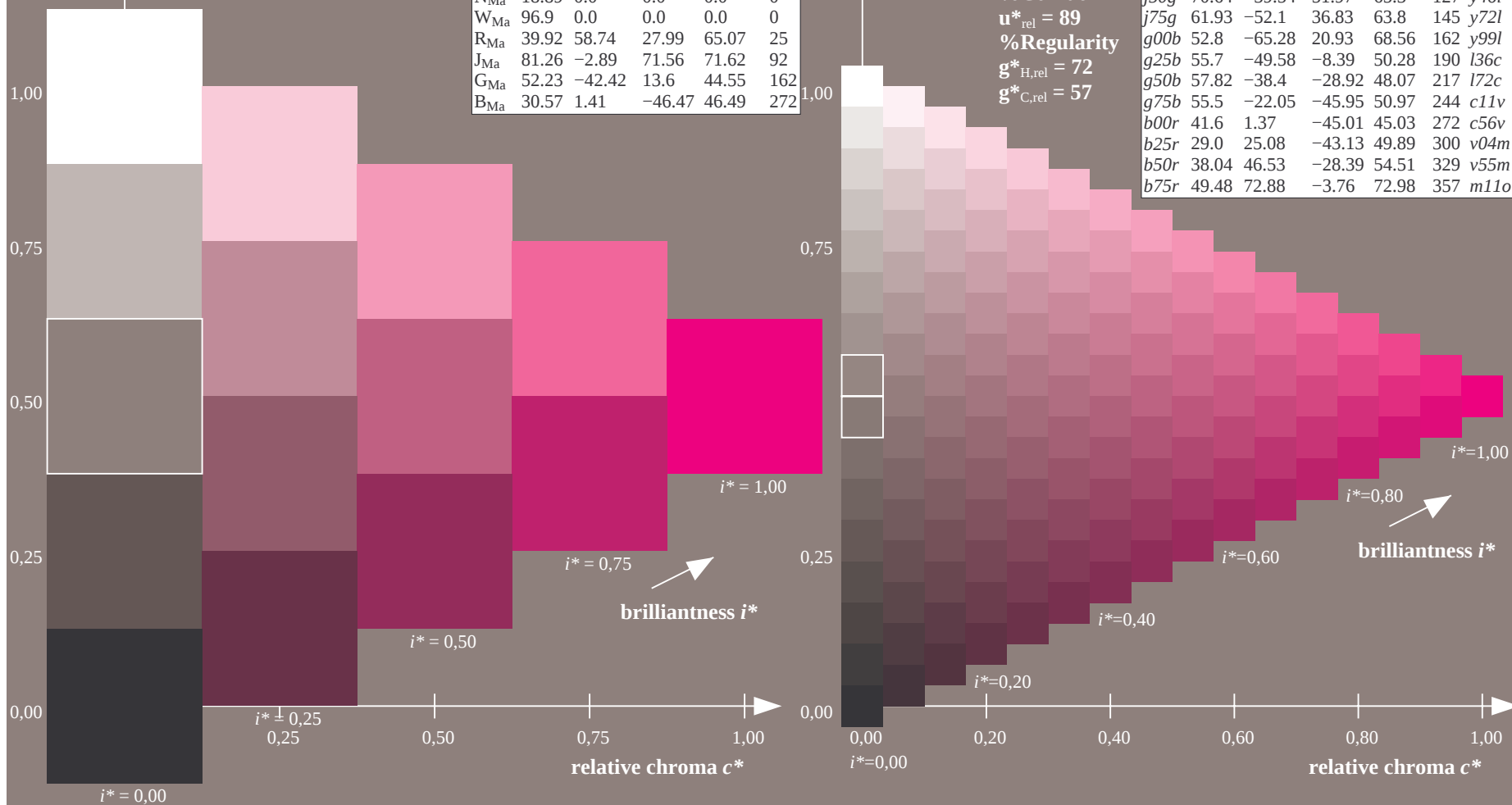
$u_{rel}^* = 89$

%Regularity

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

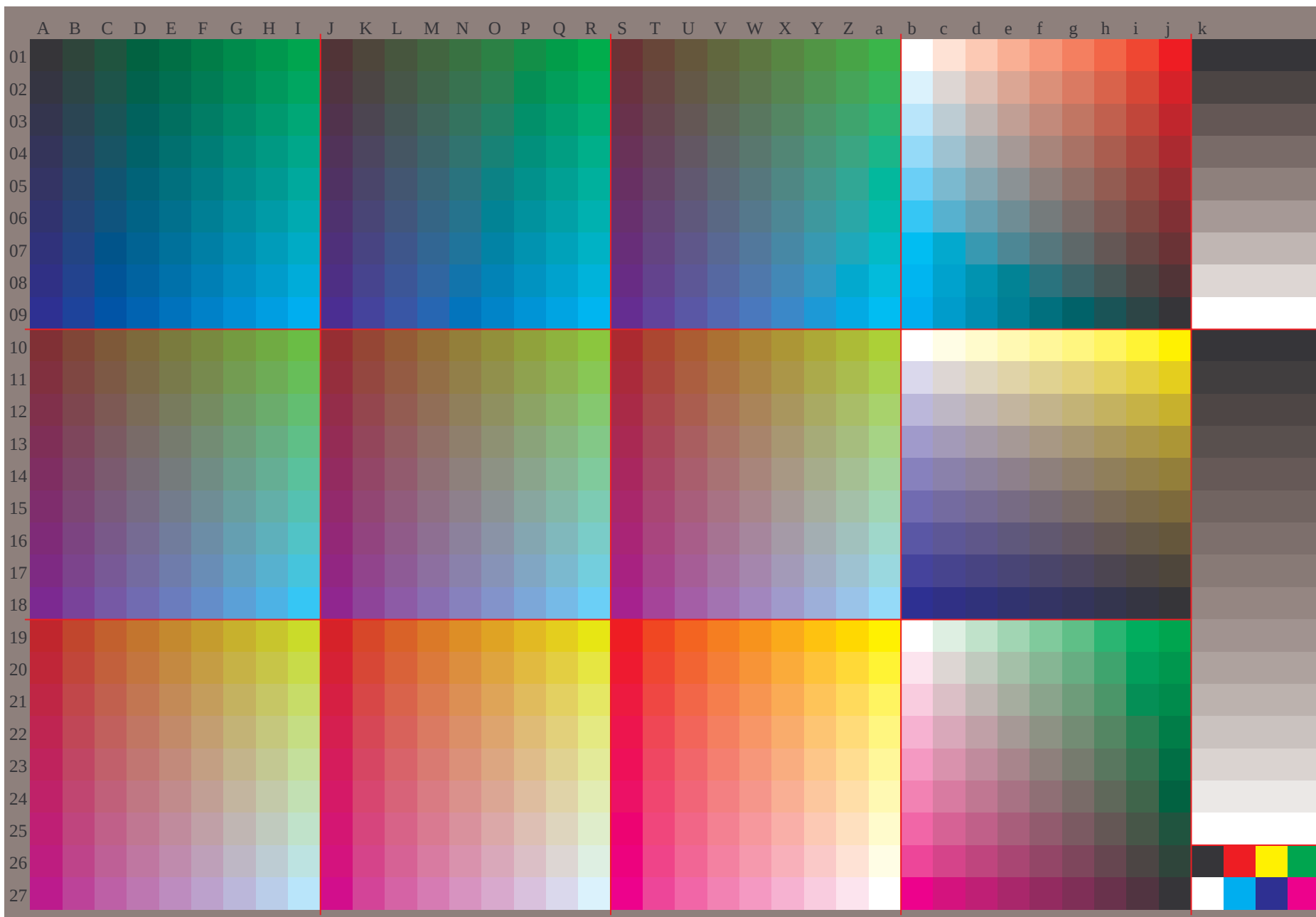
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/; www.ps.bam.de/Ee14/.HTM
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee14/10L/L14E00NA.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_e^* and number $no.$ = 00 .. 15
elementary hue text:

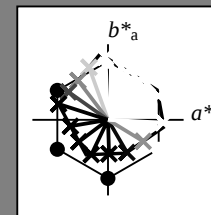
$u_e^* = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$$c_R = 1.0$$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut

$u_{rel}^* = 89$

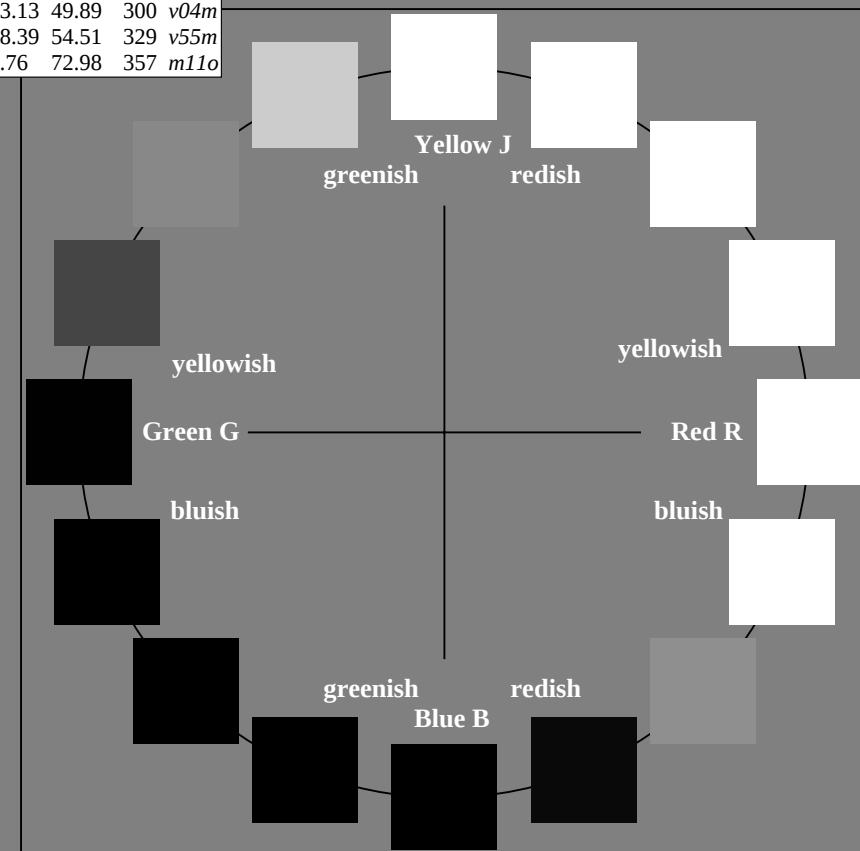
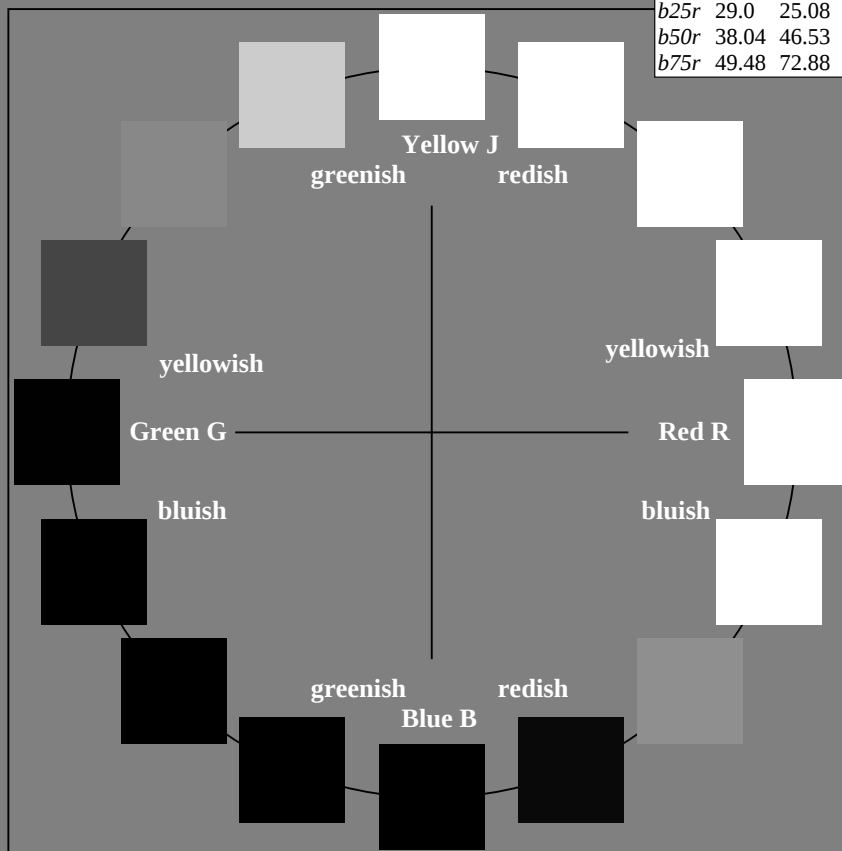
%Regularity

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

$g_{C,rel}^* = 57$

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
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

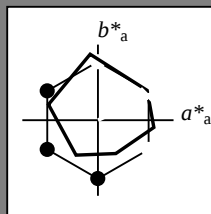
Hue texts:

$u_e^* = r00j$ $u_d^* = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 66 32

$LAB^*LCH^*_{Ma}$: 49 74 25

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

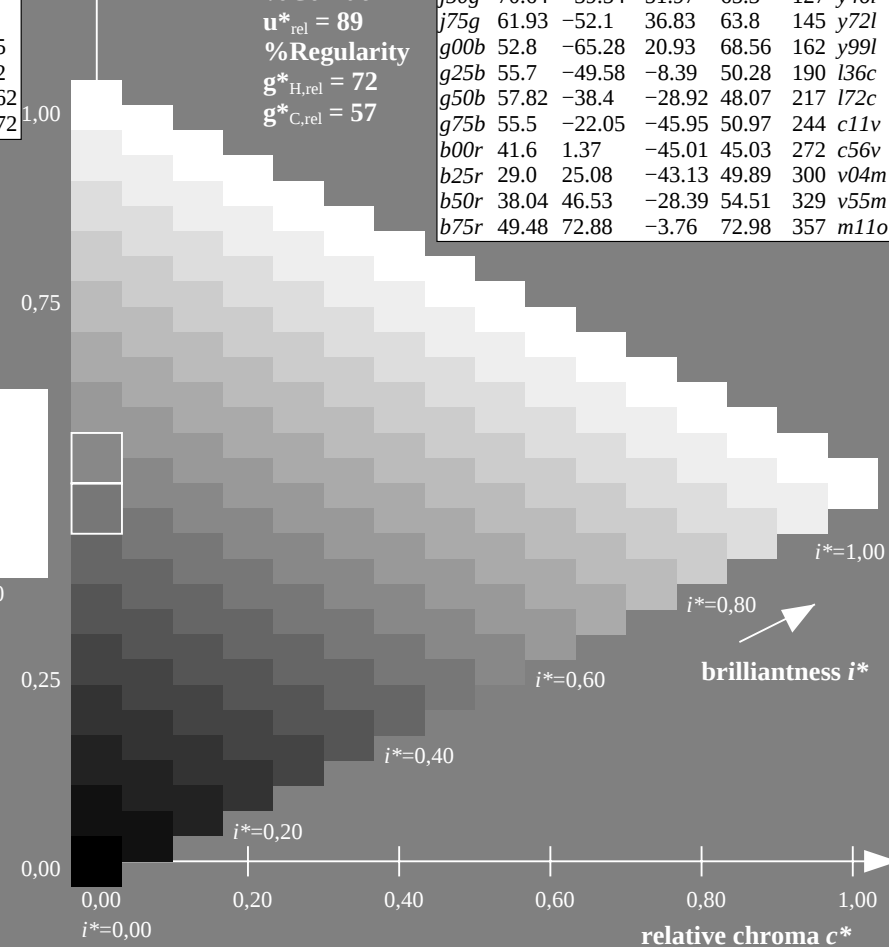
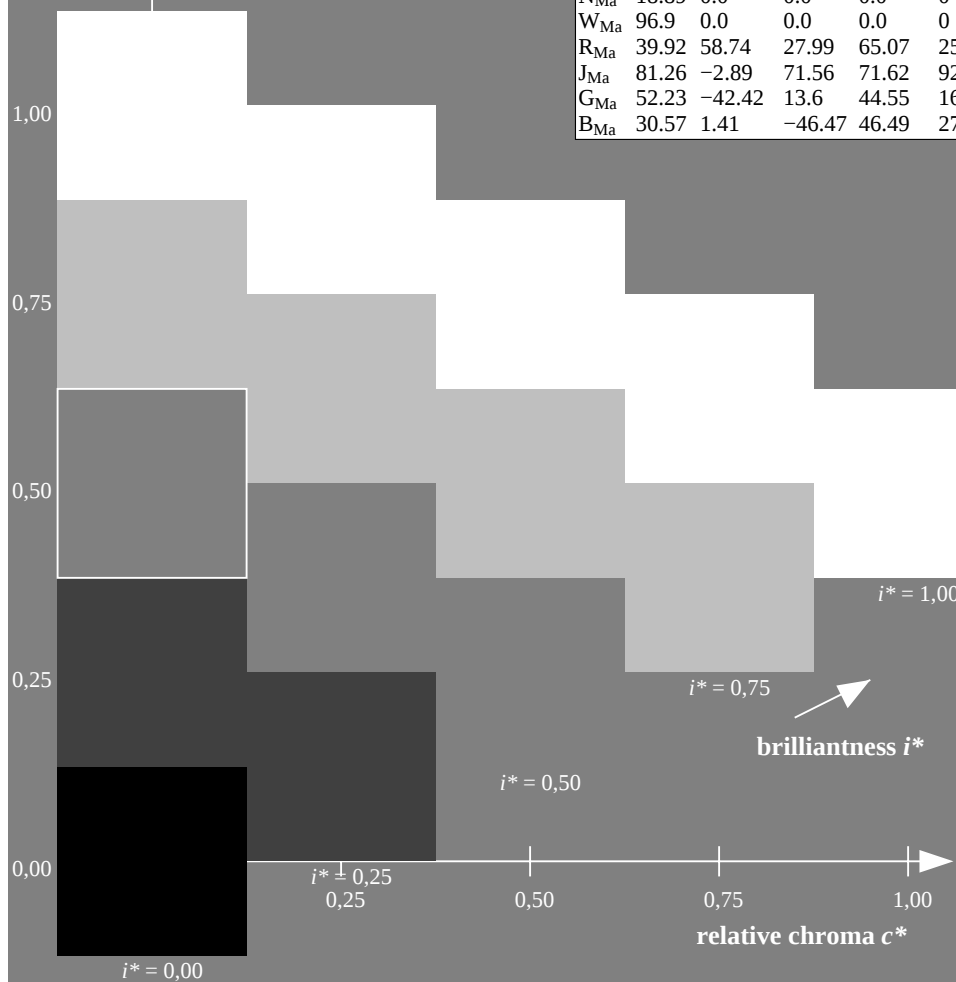
%Regularity

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

$g_{C,rel}^* = 57$

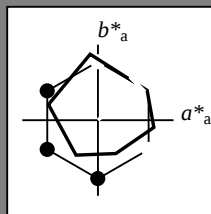
ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



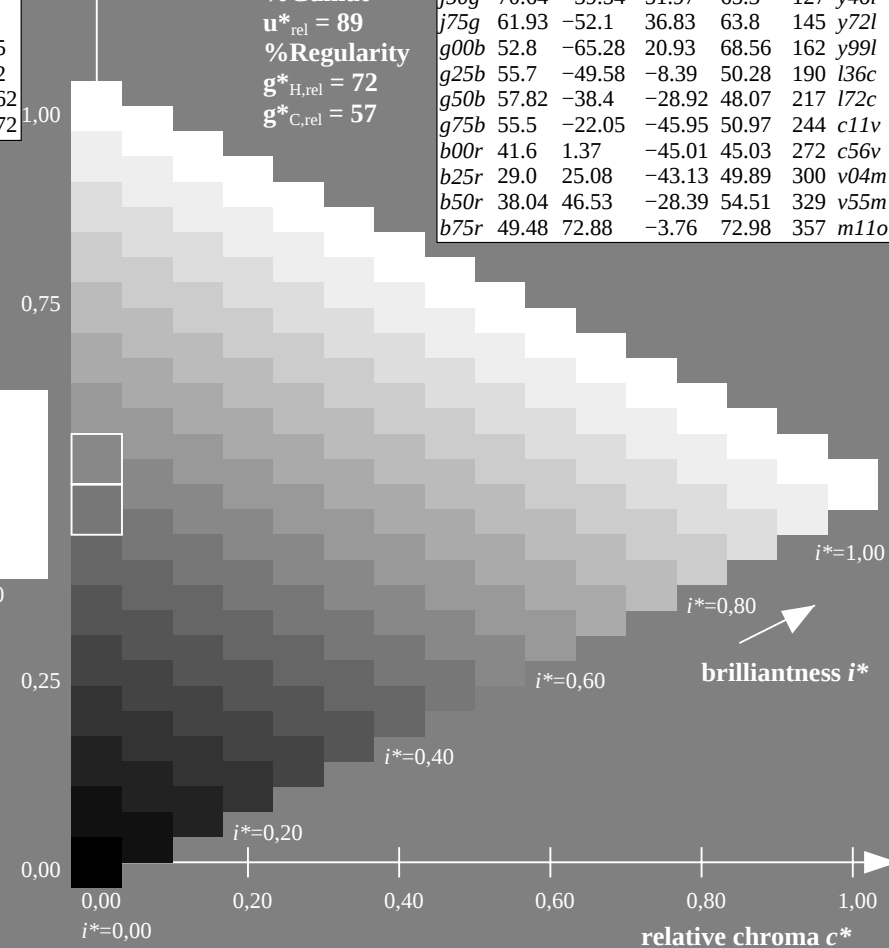
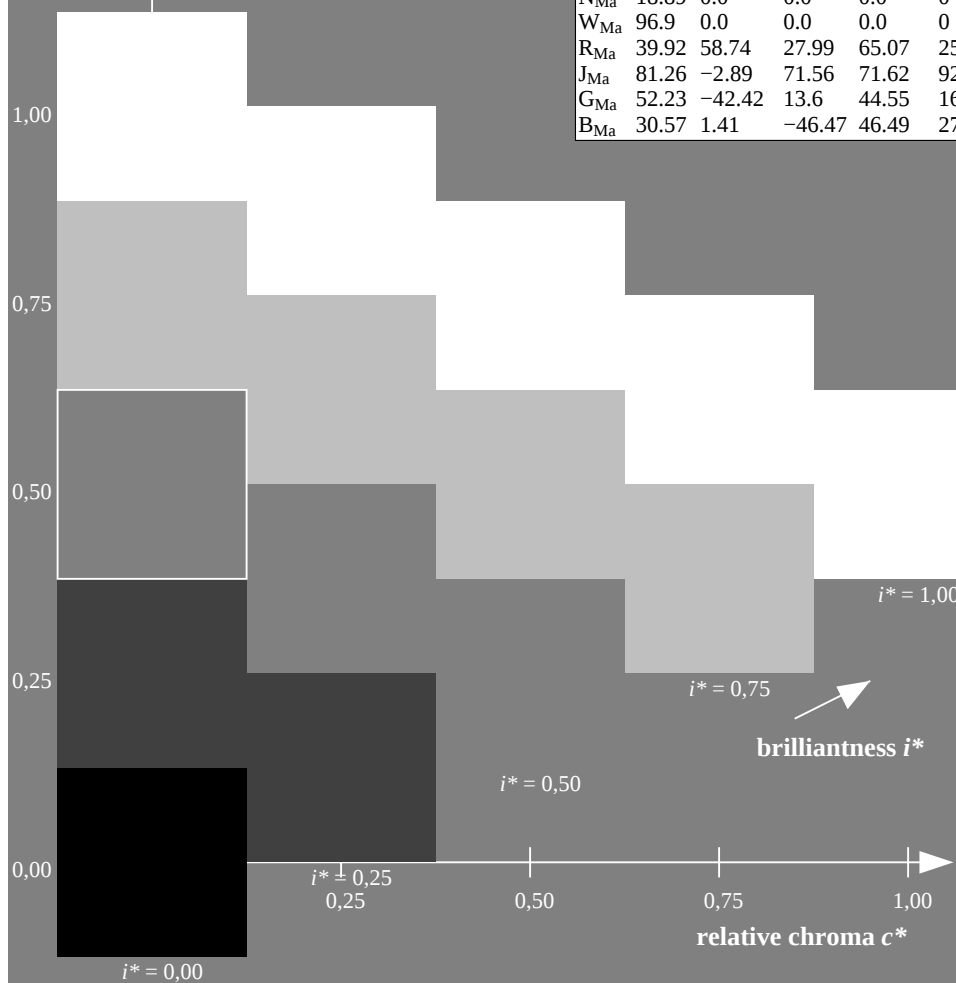
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 56 52 47
 $\text{LAB}^*\text{LCH}^*\text{Ma}$: 56 71 42
 $\text{lab}^*\text{rgb}^*\text{Ma}$: 1.0 0.25 0.0
 $\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.17 0.0
triangle lightness t^*

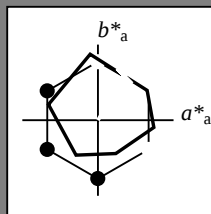
%Gamut
 $u_{\text{rel}}^* = 89$
%Regularity
 $g_{H,\text{rel}}^* = 72$
 $g_{C,\text{rel}}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r50j$ $u_d^* = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 65 35 58

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 65 68 58

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.42 0.0

triangle lightness t^*

%Gamut

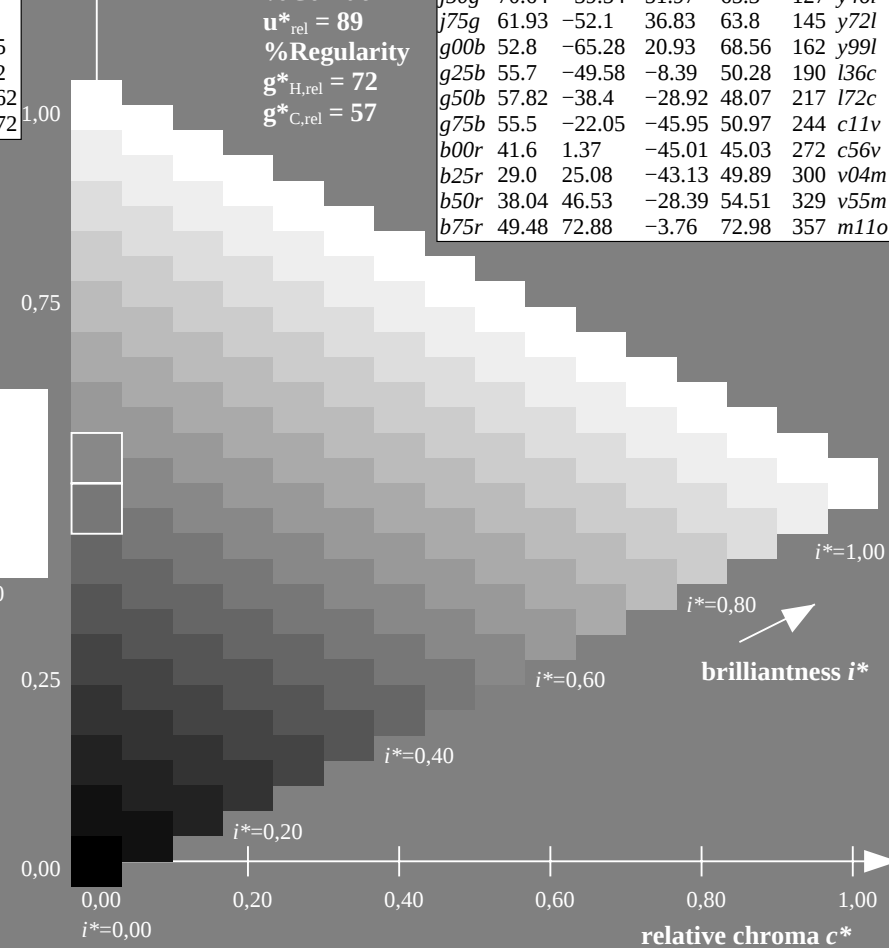
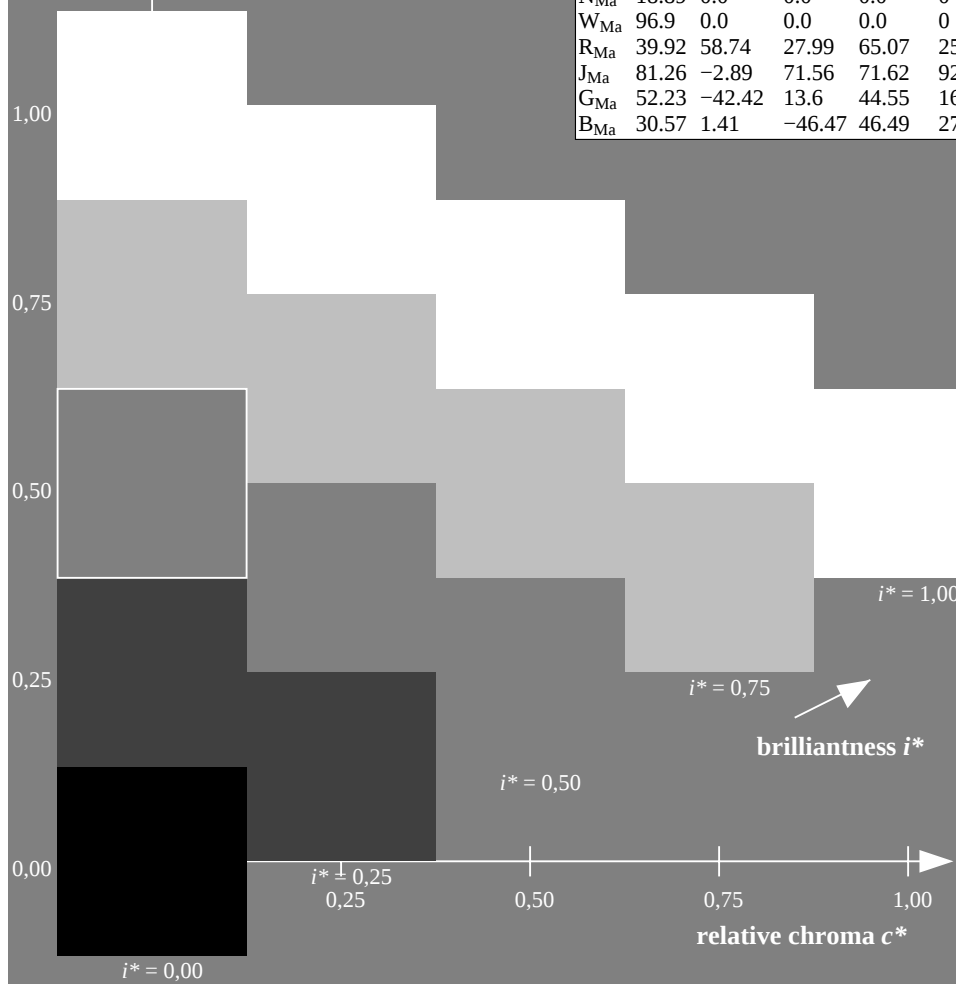
$u_{\text{rel}}^* = 89$

%Regularity

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

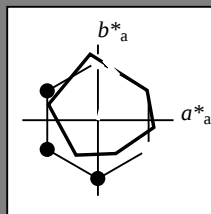
$g_{C,\text{rel}}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



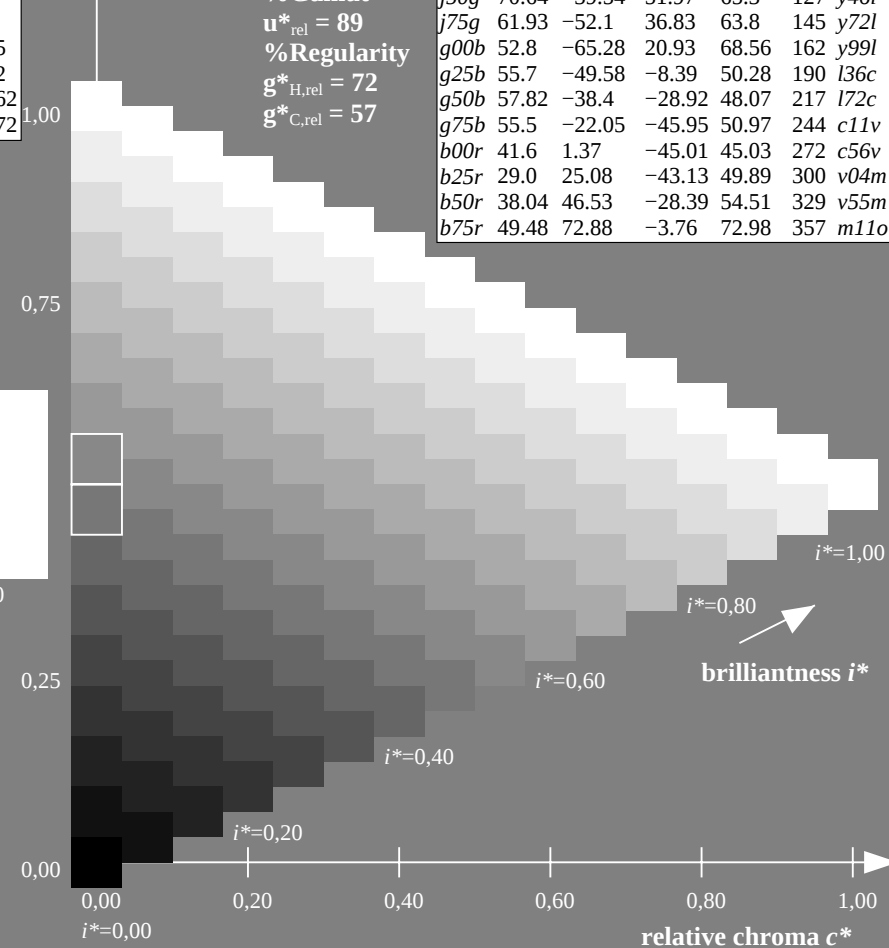
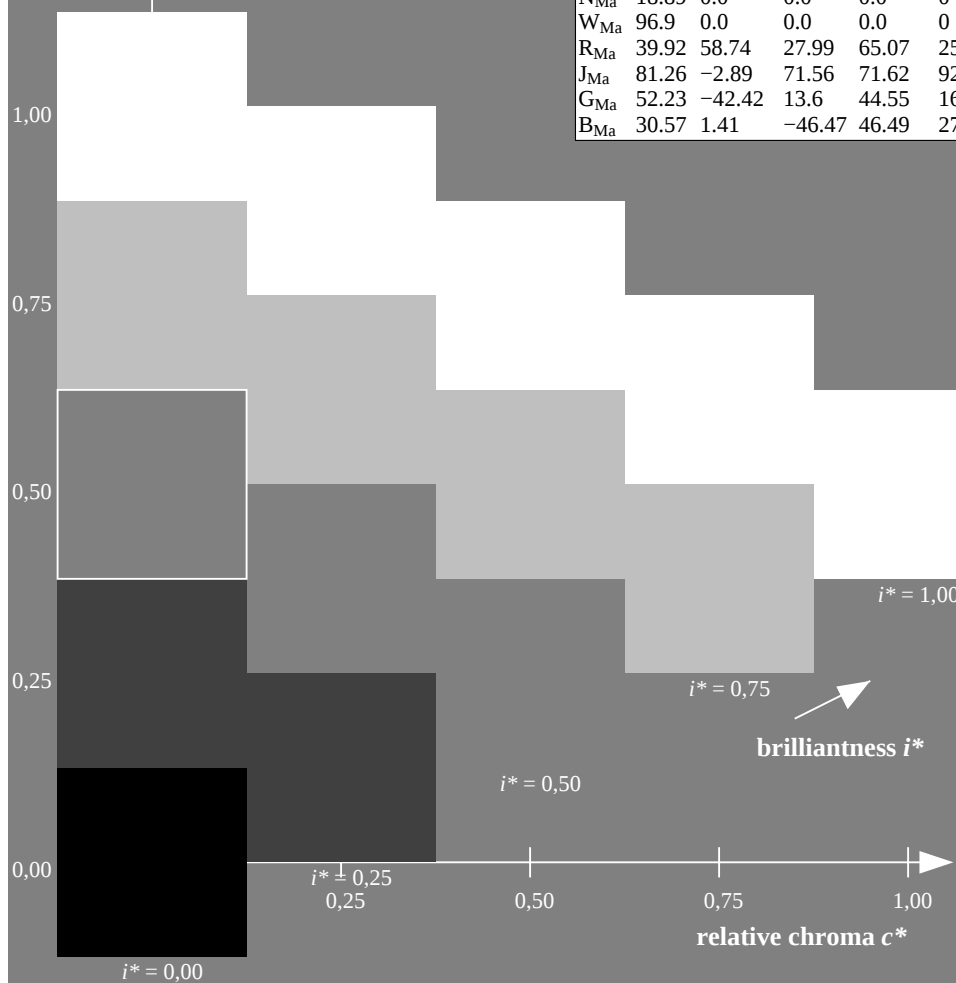
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 75 18 69
 $\text{LAB}^*\text{LCH}^*\text{Ma}$: 75 72 75
 $\text{lab}^*\text{rgb}^*\text{Ma}$: 1.0 0.75 0.0
 $\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.68 0.0
triangle lightness t^*

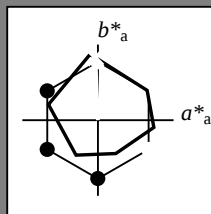
%Gamut
 $u_{\text{rel}}^* = 89$
%Regularity
 $g_{H,\text{rel}}^* = 72$
 $g_{C,\text{rel}}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j00g$ $u_d^* = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 87 -3 83

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 87 83 92

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

% Gamut

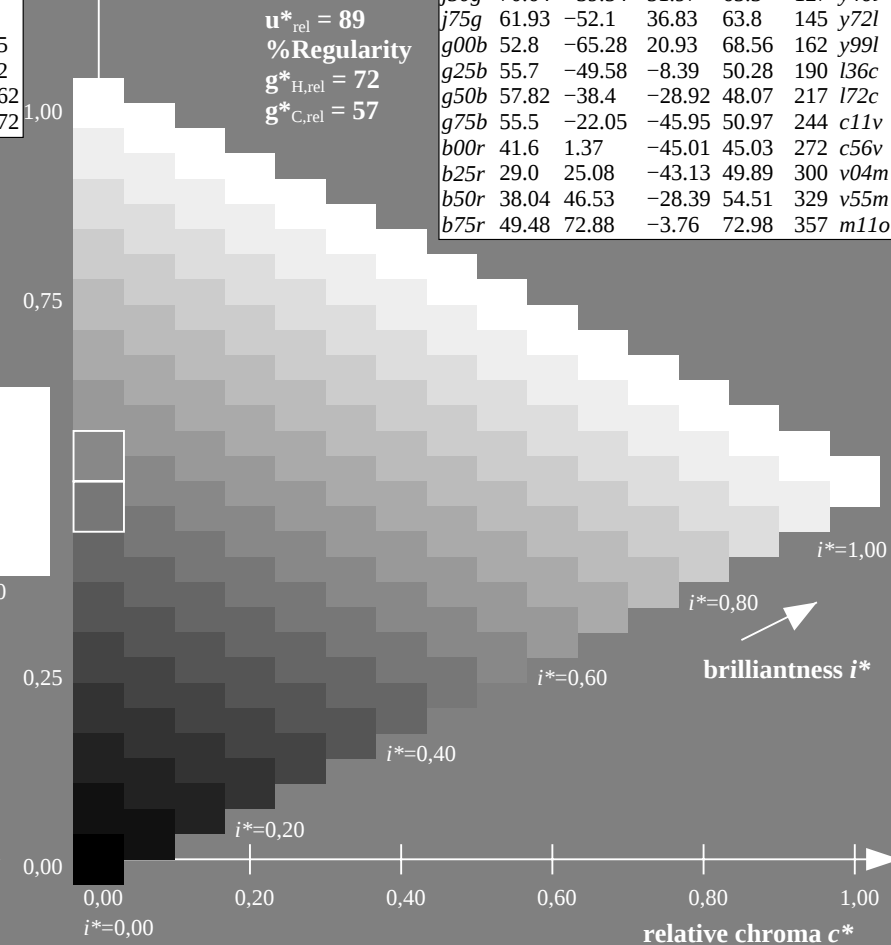
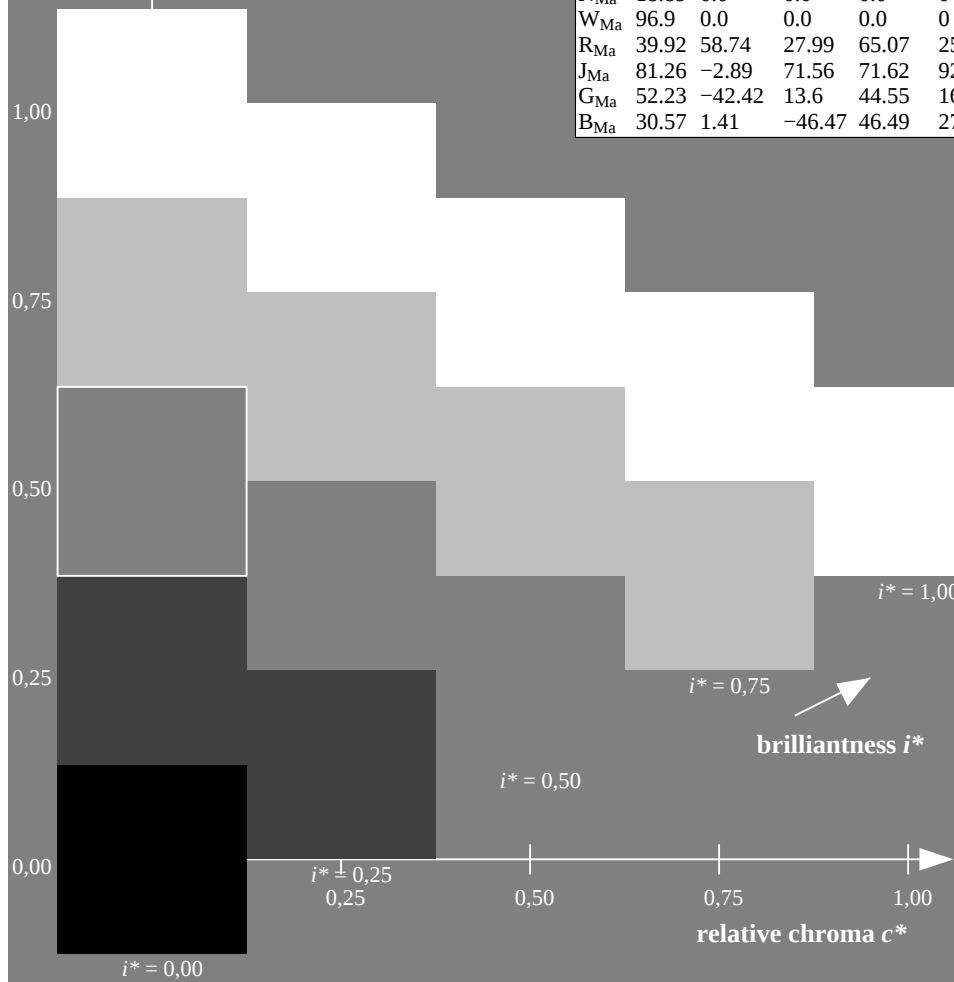
$u_{rel}^* = 89$

% Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

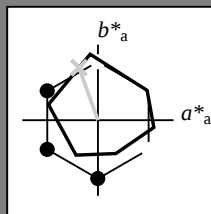
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 81 74 109

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

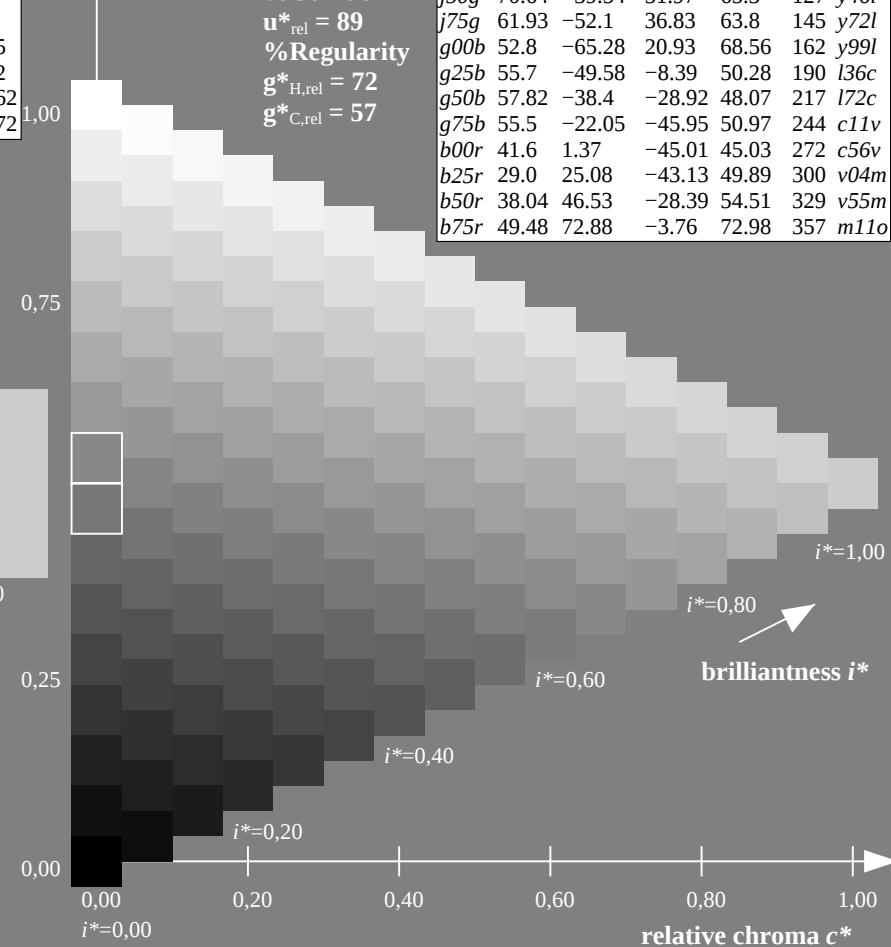
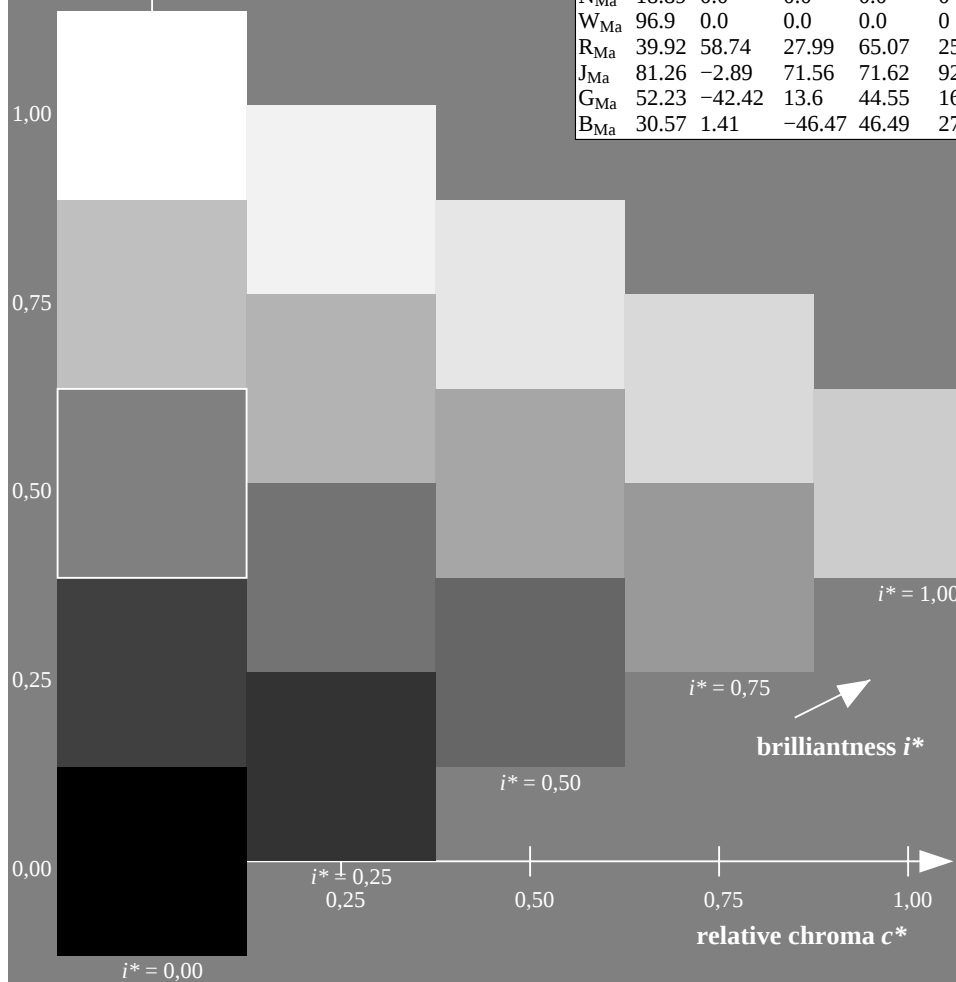
%Regularity

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

$g_{C,rel}^* = 57$

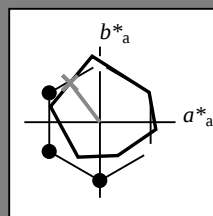
ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j50g$ $u_d^* = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -40 52

$LAB^*LCH^*_{Ma}$: 71 65 127

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

$lab^*olv^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

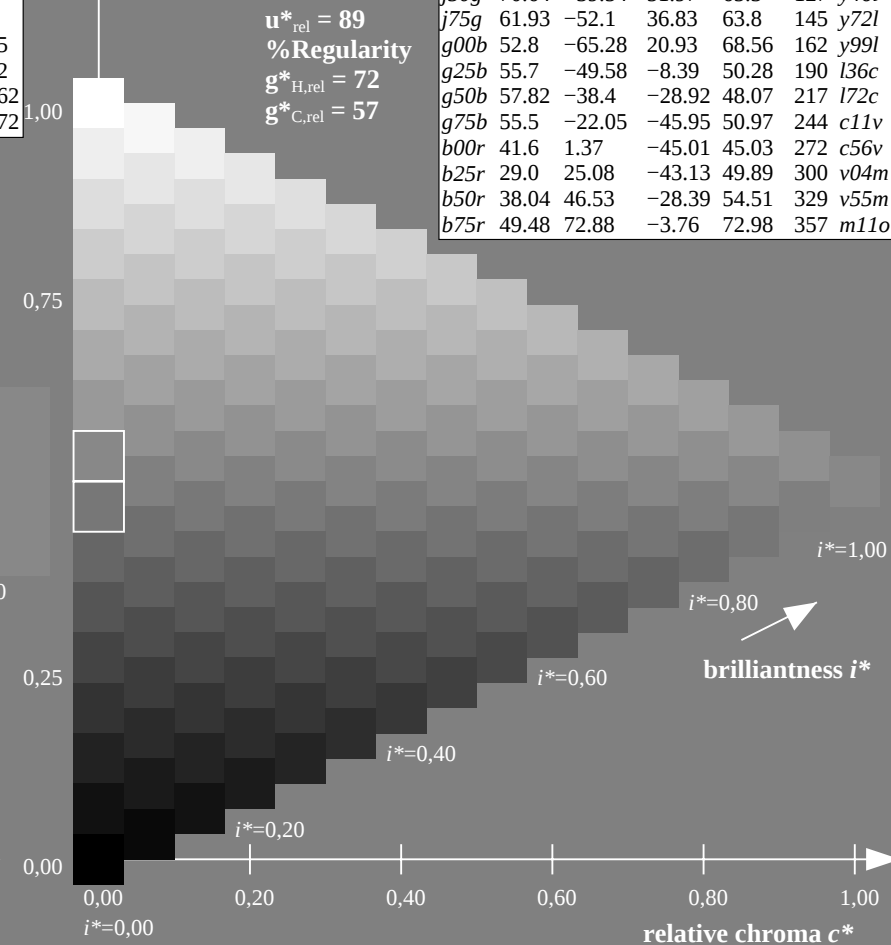
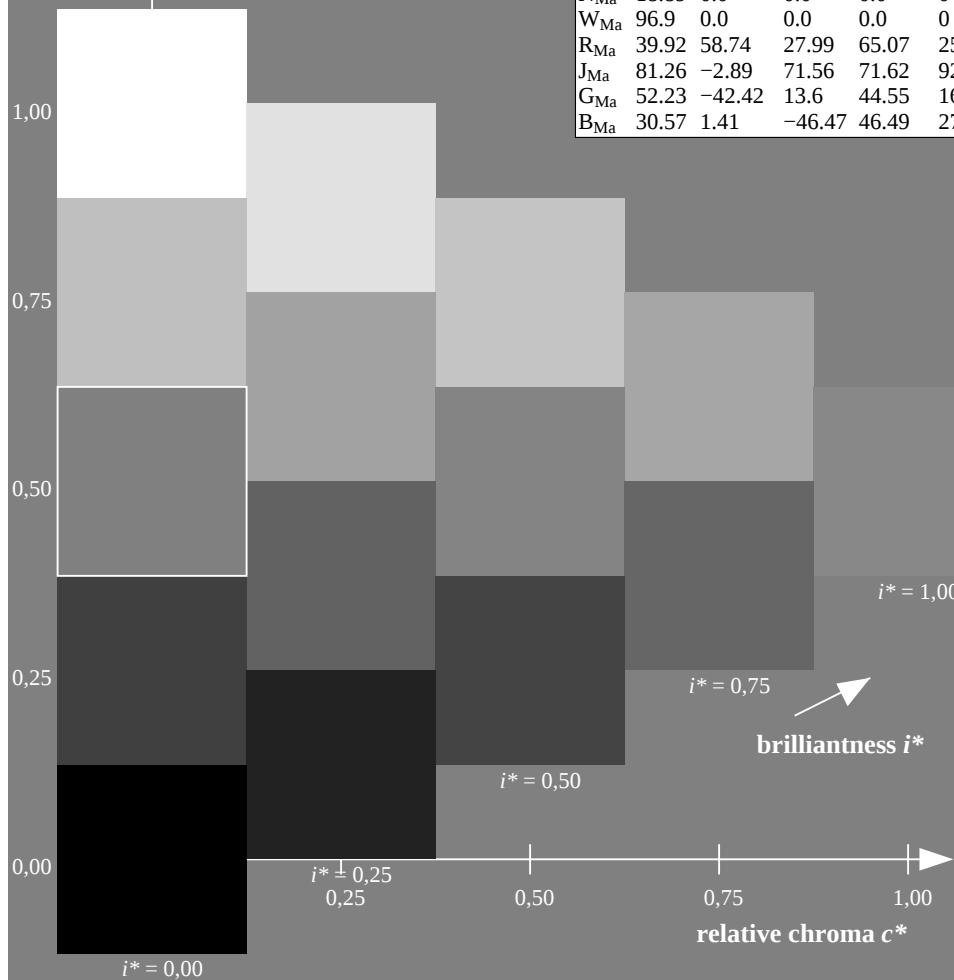
$u_{rel}^* = 89$

%Regularity

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

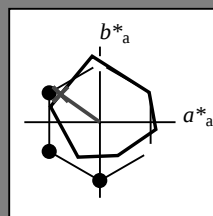
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j75g$ $u_d^* = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



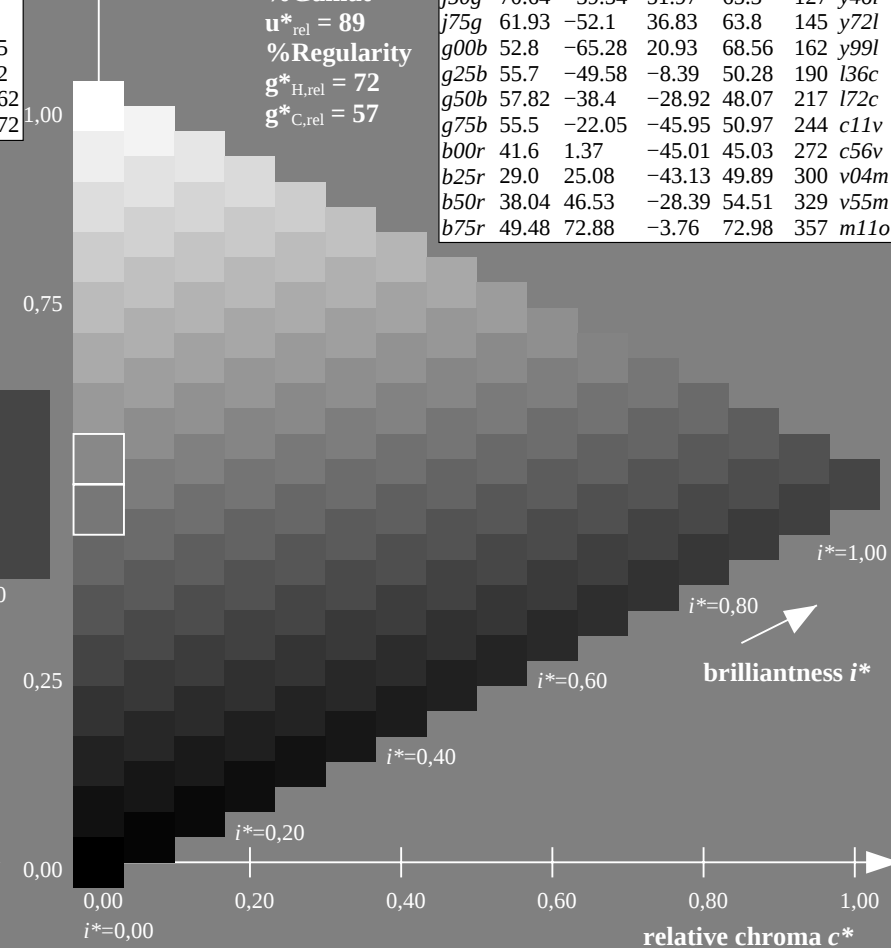
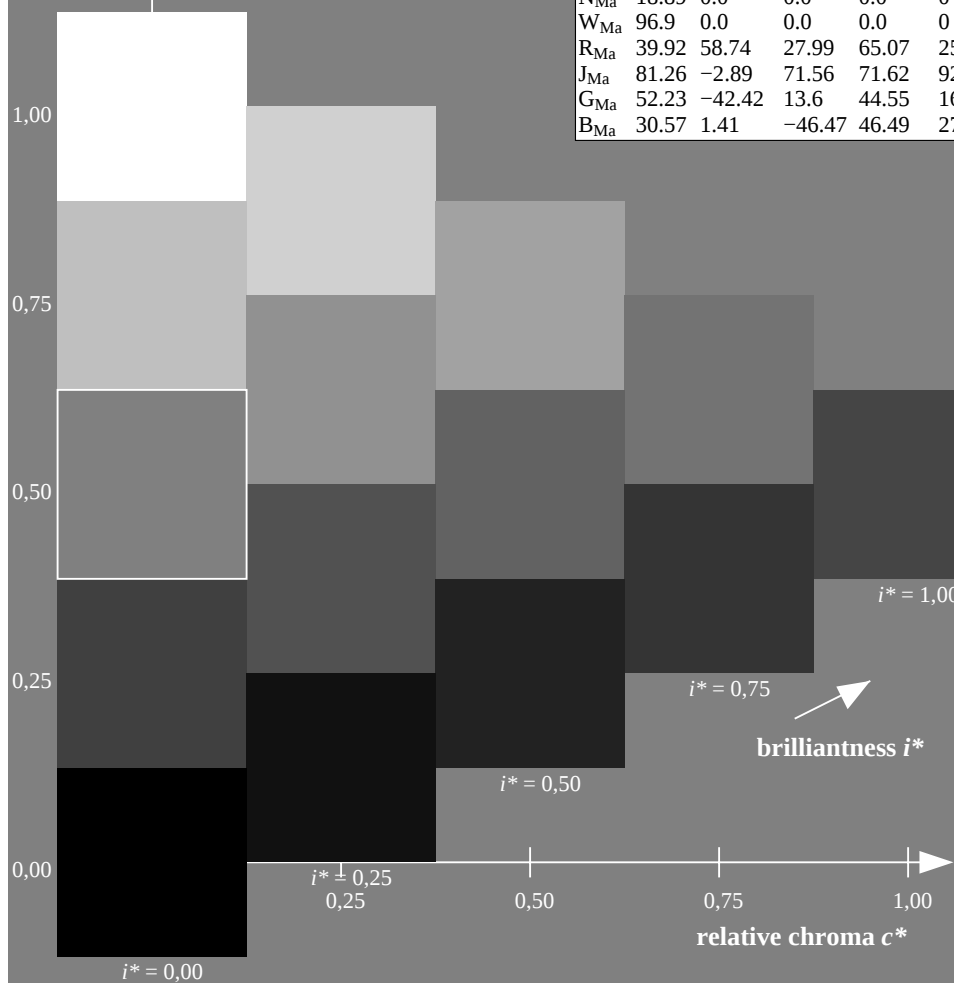
ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -52 37
 $LAB^*LCH^*_{Ma}$: 62 64 144
 $lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
 $lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness t^*

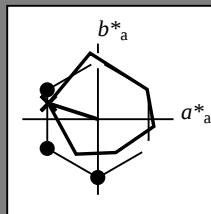
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



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:
 $u_e^* = g00b$ $u_d^* = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

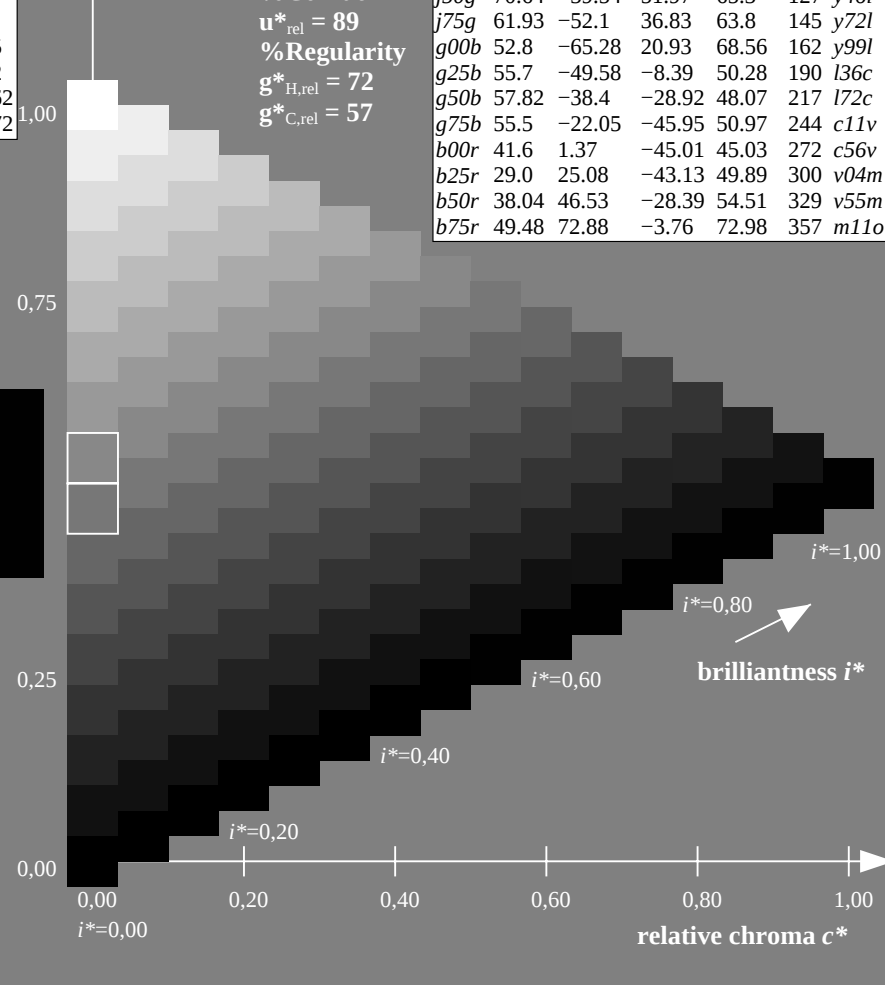
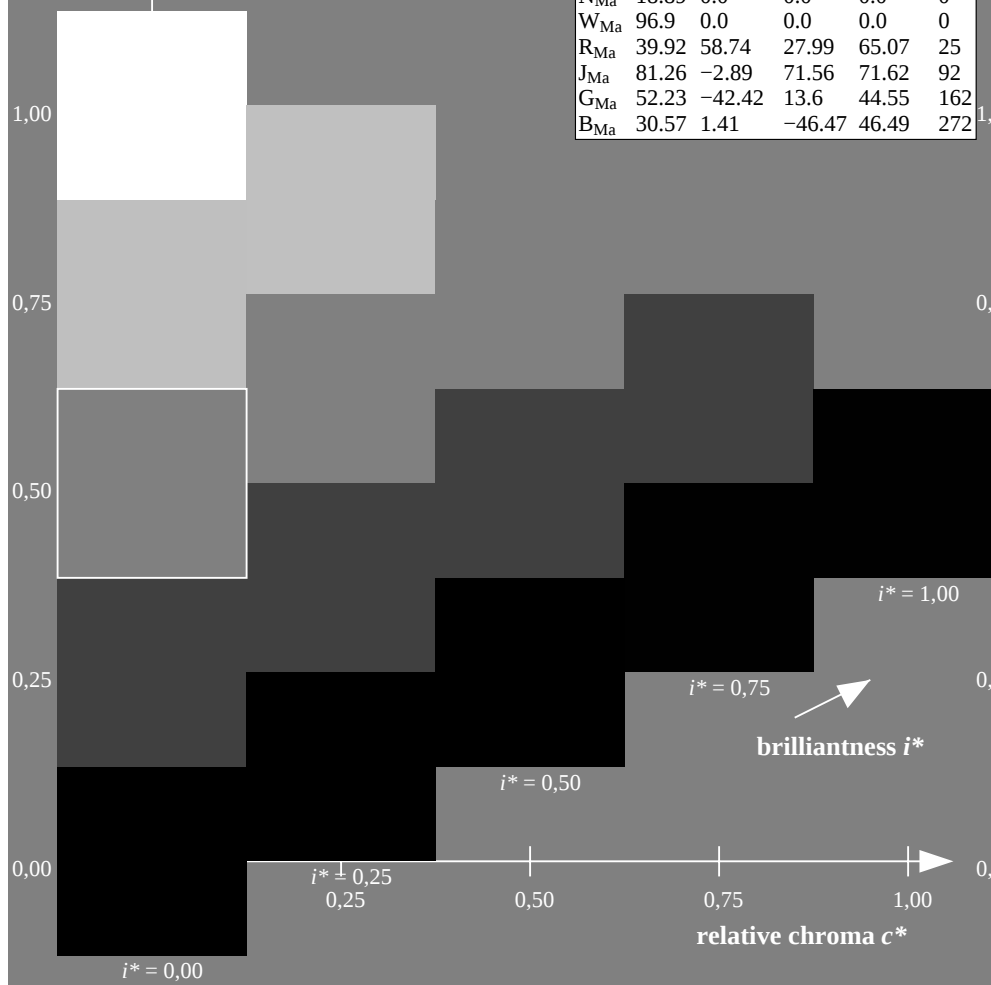
$u_{rel}^* = 89$

%Regularity

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

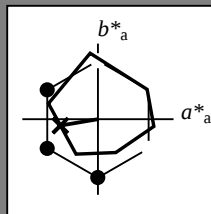
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -50 -8

$LAB^*LCH^*_{Ma}$: 56 50 189

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

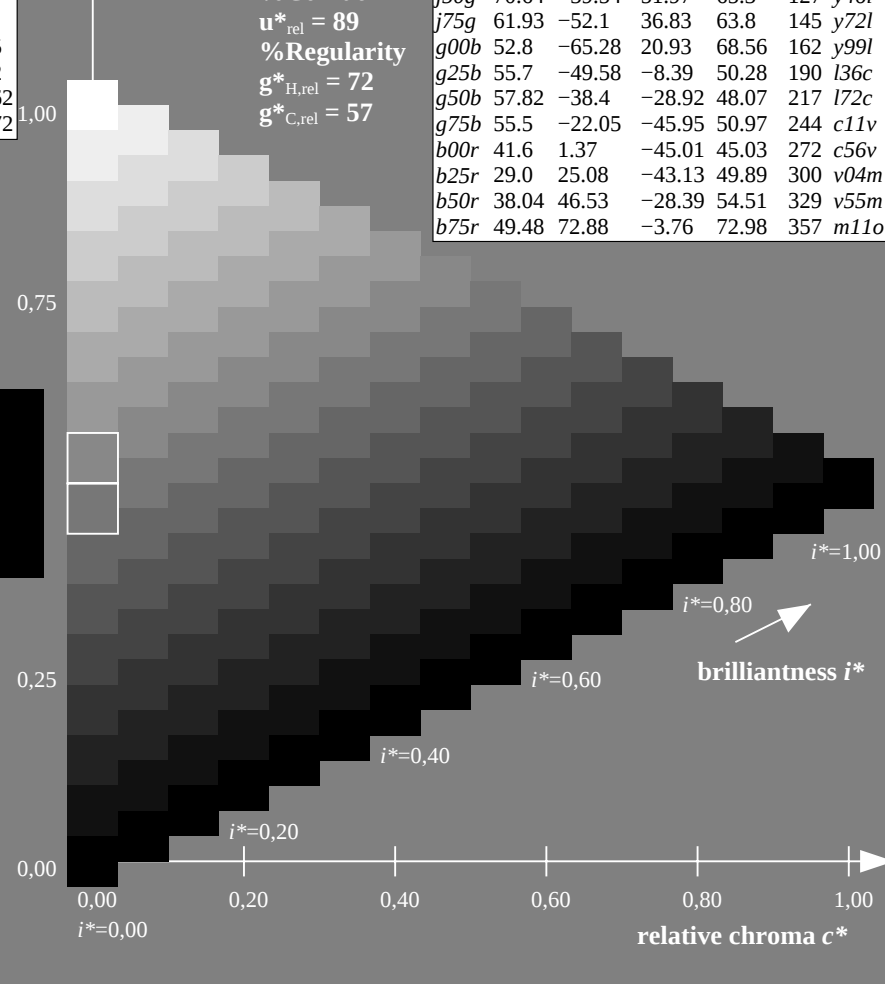
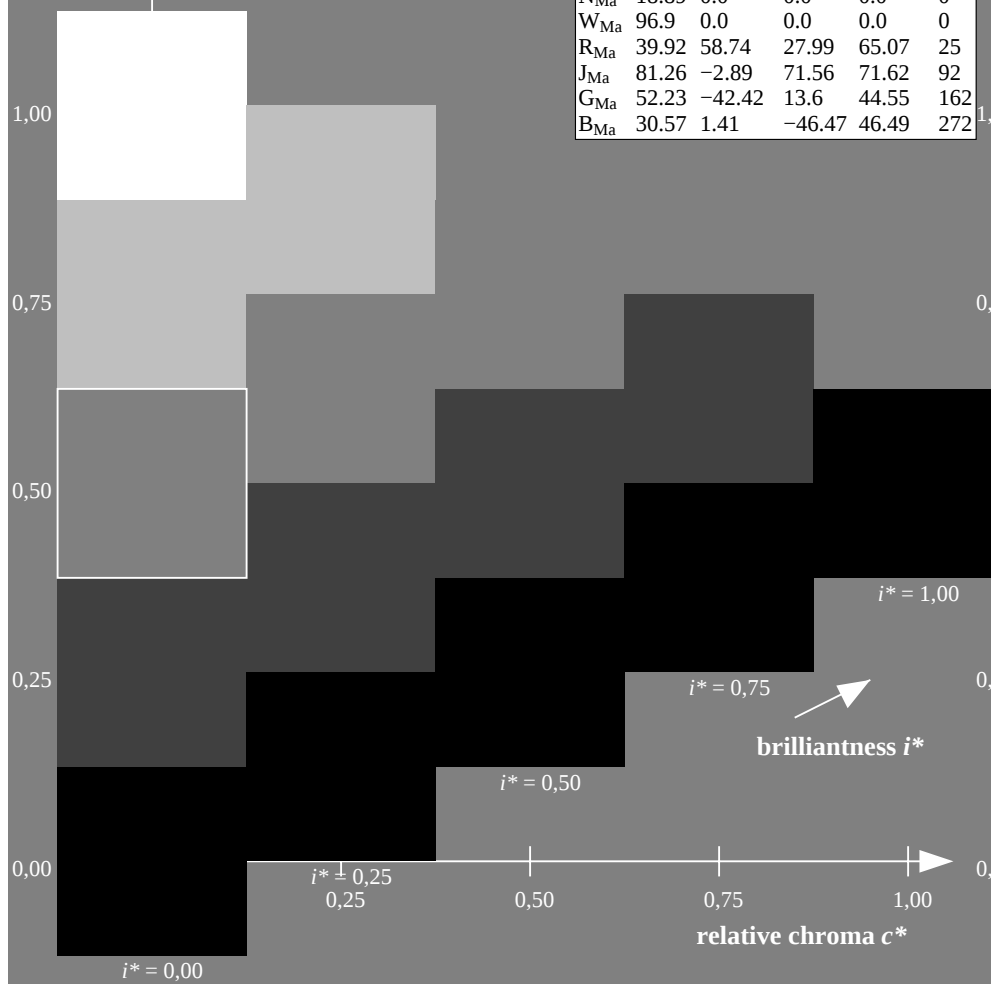
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

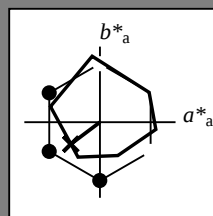
Hue texts:

$u_e^* = g50b$ $u_d^* = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

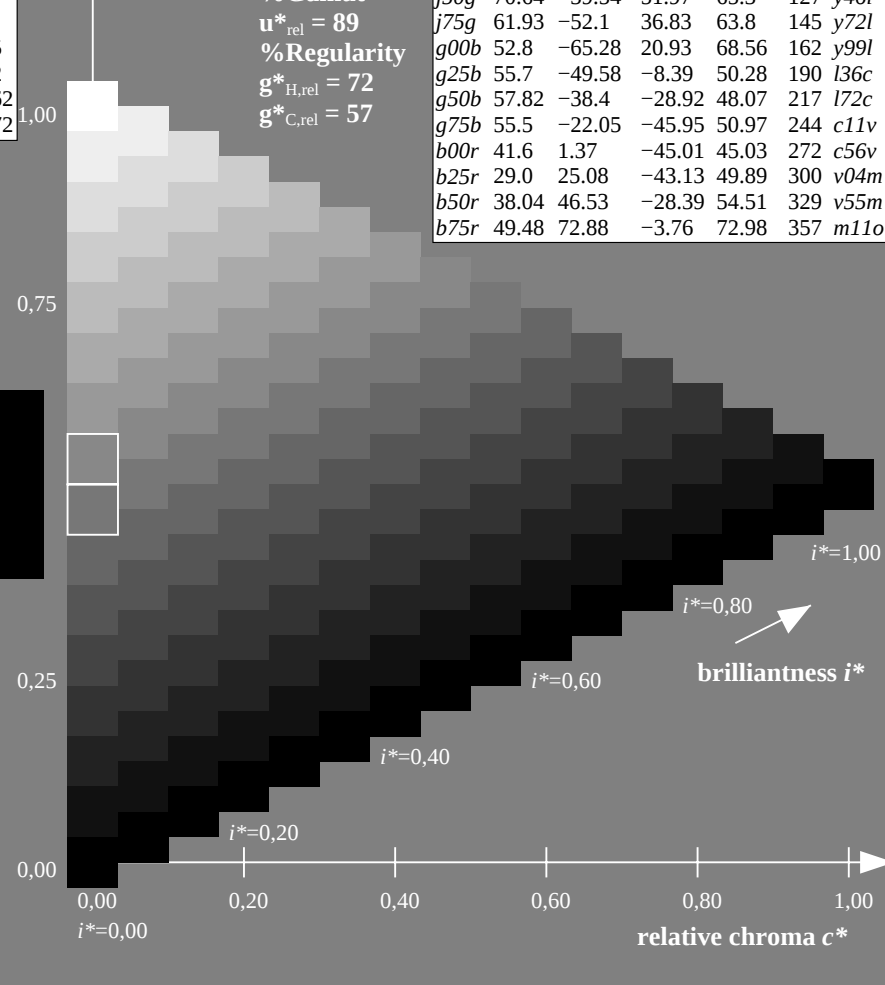
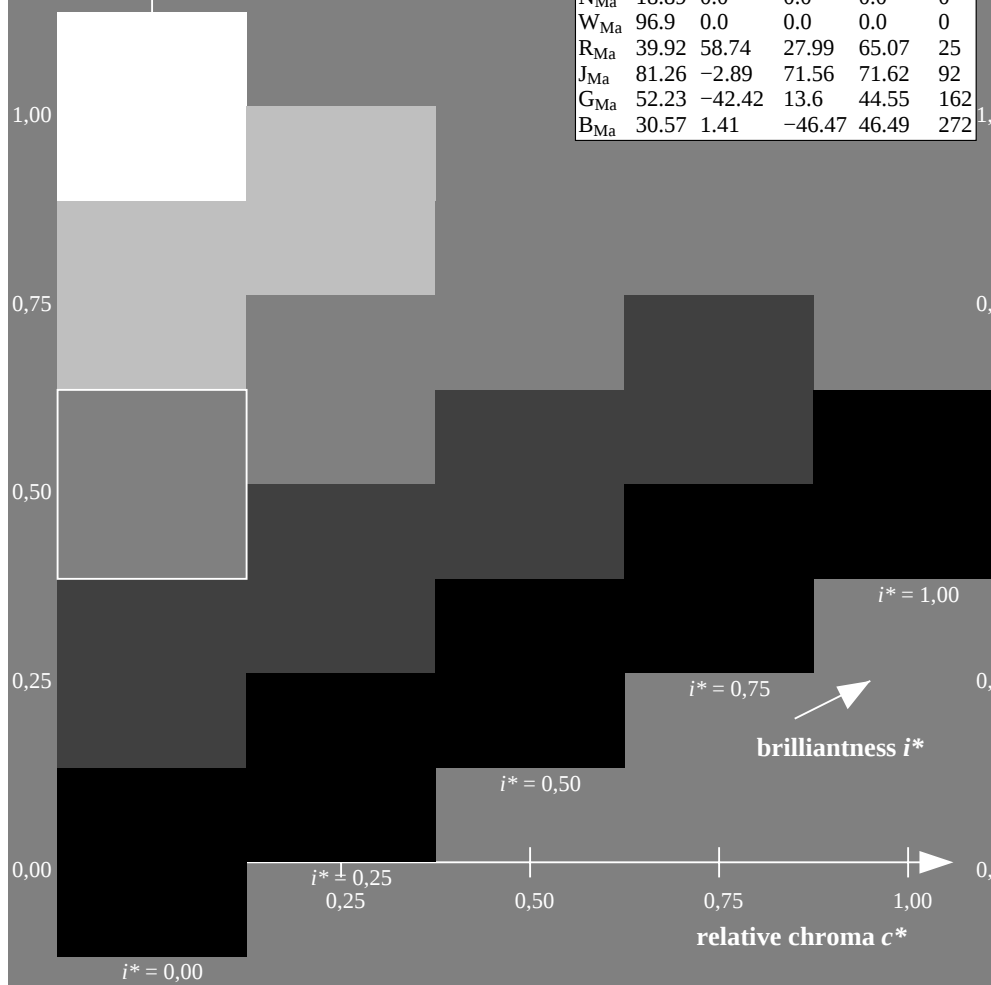
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

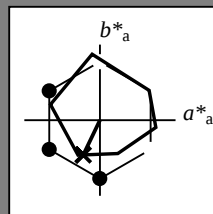
Hue texts:

$u_e^* = g75b$ $u_d^* = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -22 -46

$LAB^*LCH^*_{Ma}$: 55 51 244

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

$lab^*olv^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

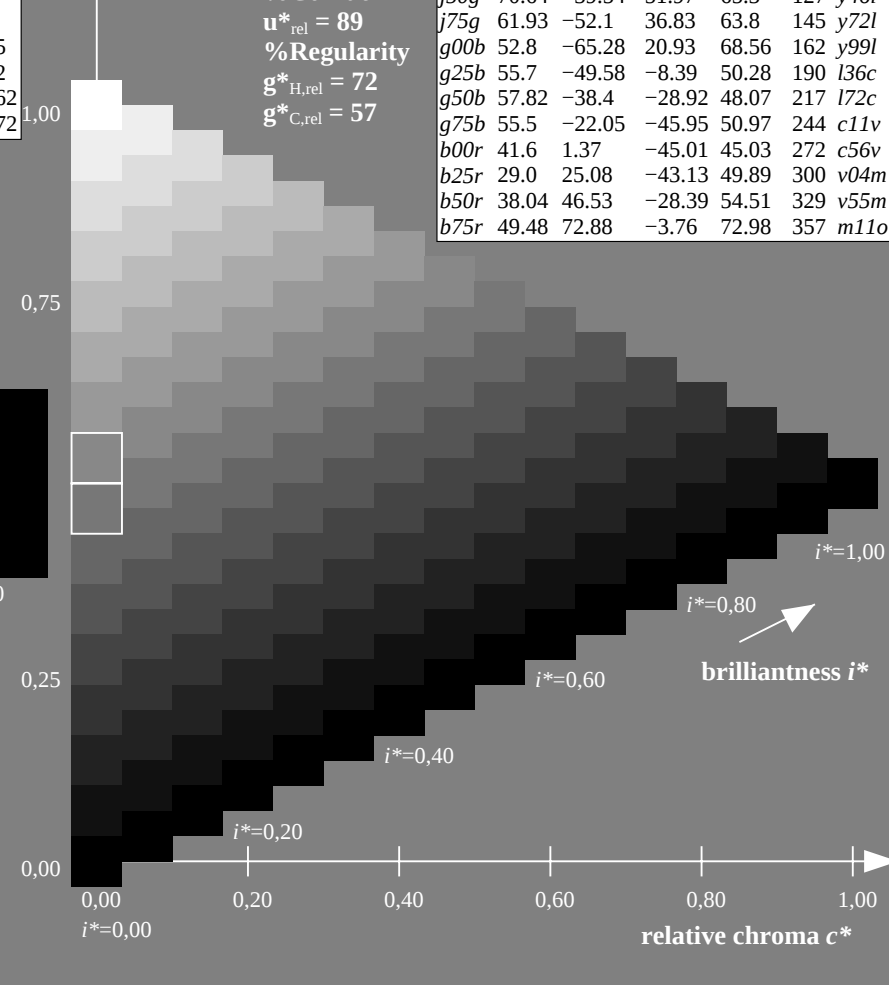
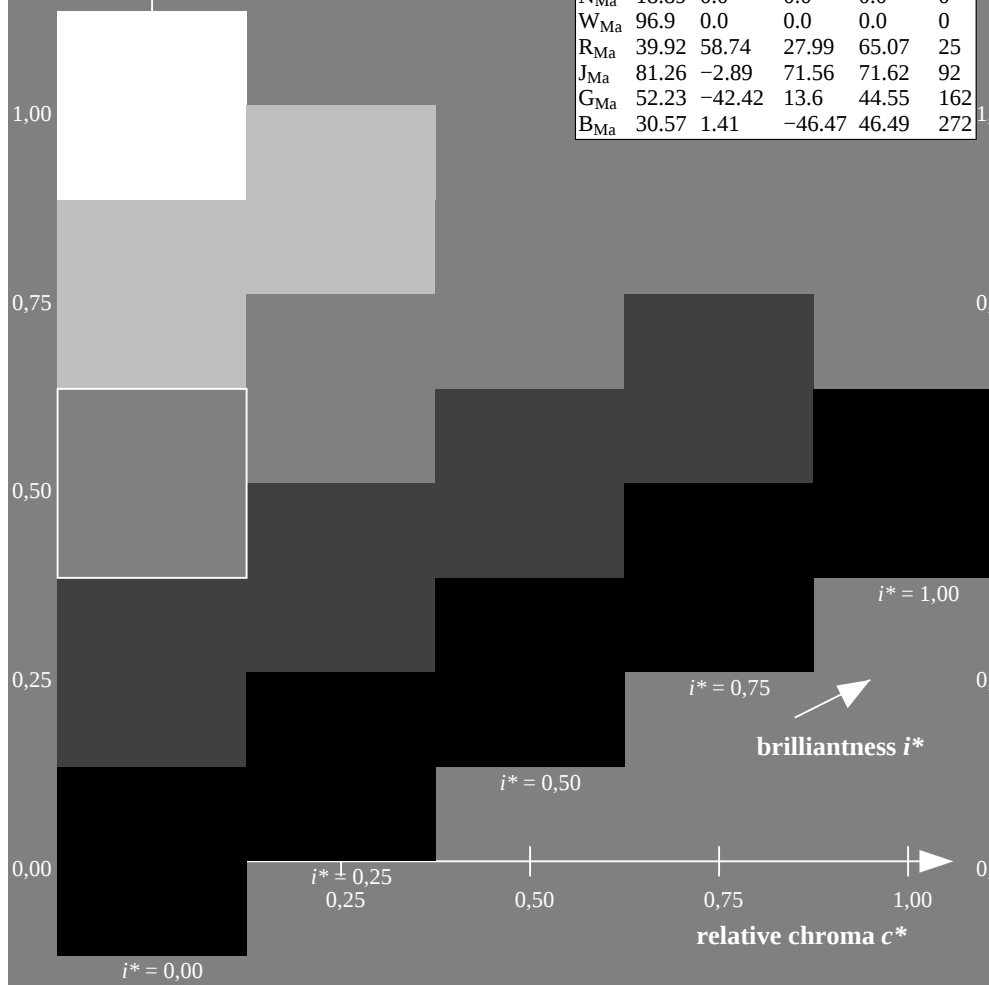
$u_{rel}^* = 89$

%Regularity

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

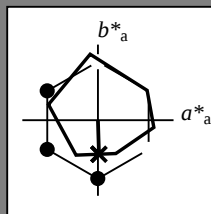
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -45

$LAB^*LCH^*_{Ma}$: 42 45 271

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

$lab^*olv^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

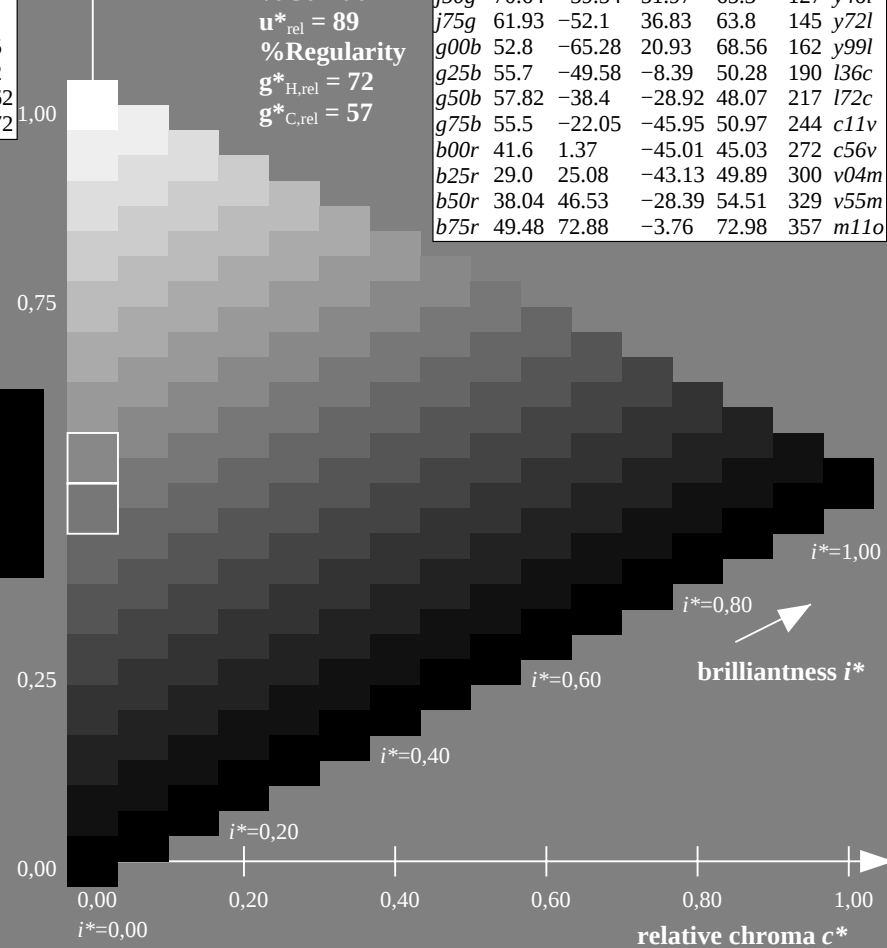
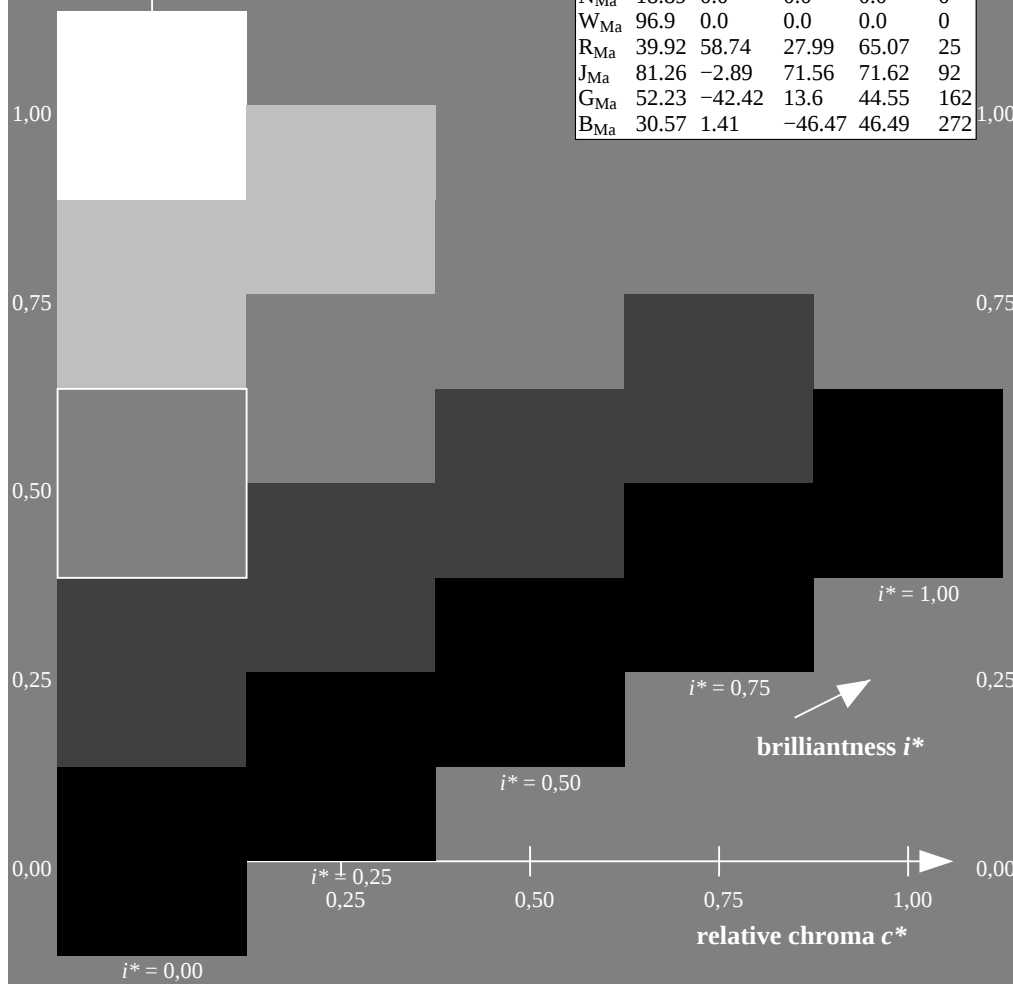
$u_{rel}^* = 89$

%Regularity

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

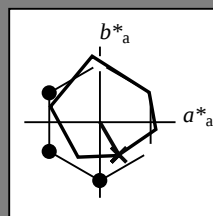
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b25r$ $u_d^* = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -43

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*olv^*_{Ma}$: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

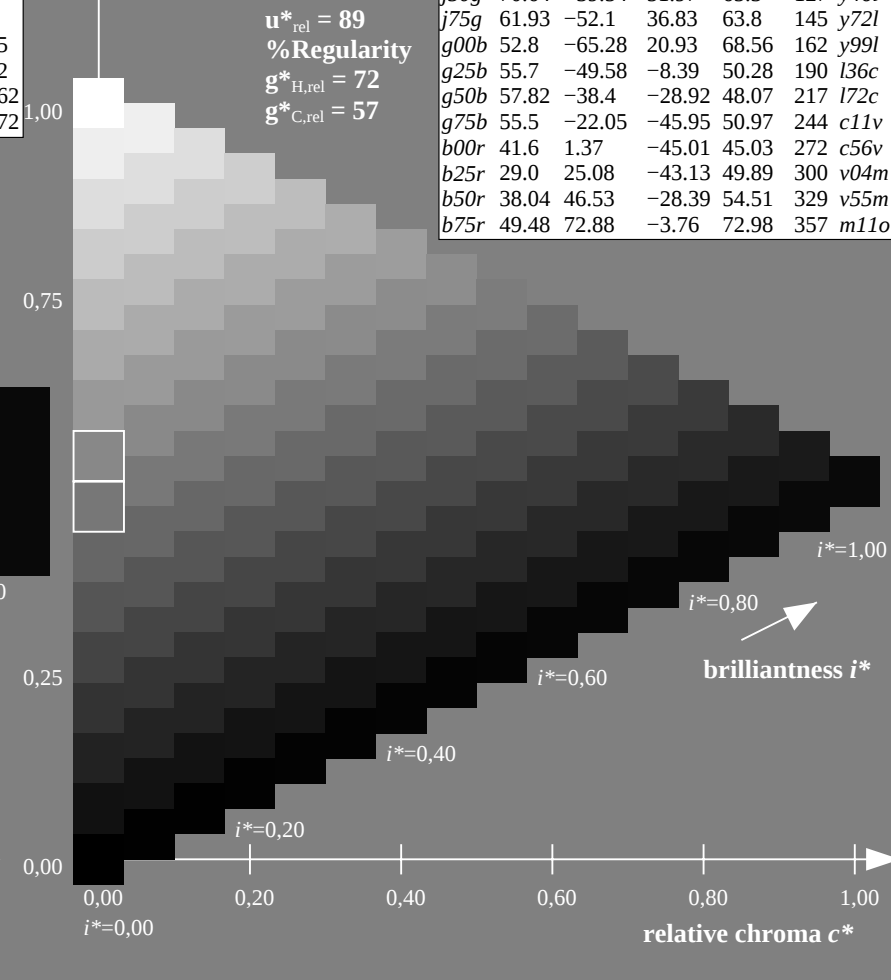
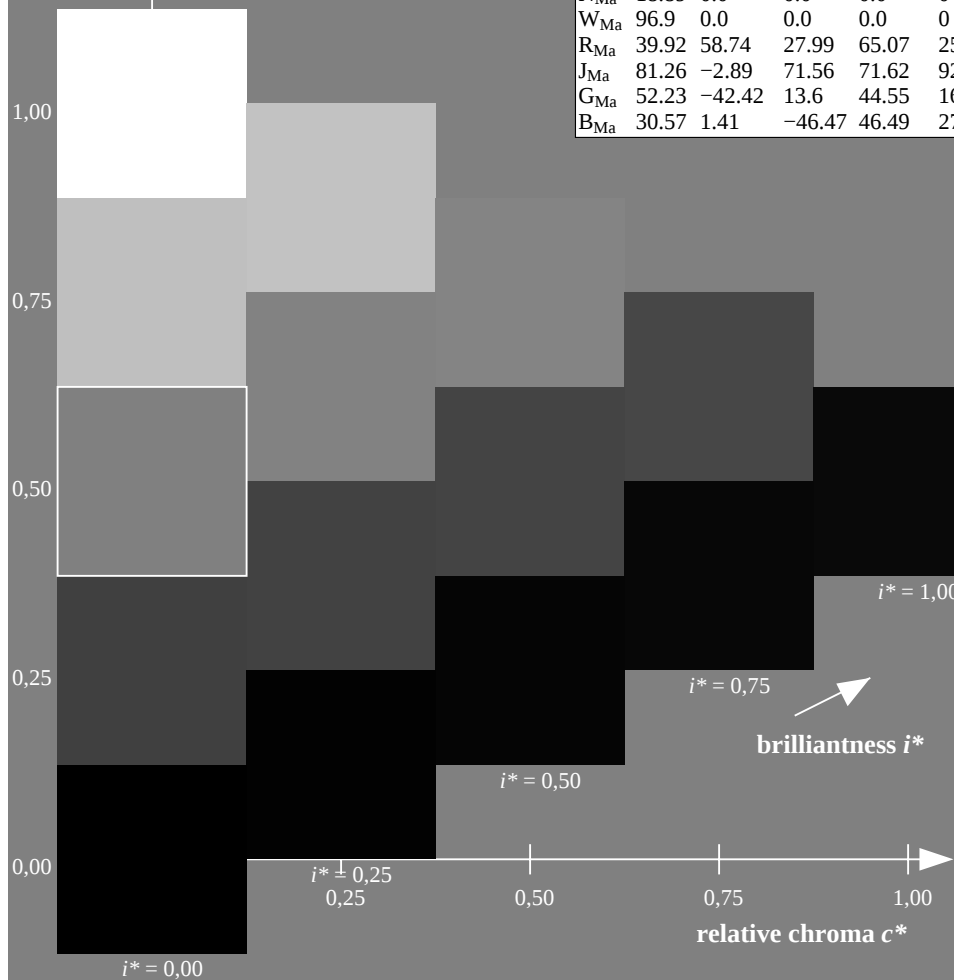
$u^*_{rel} = 89$

%Regularity

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

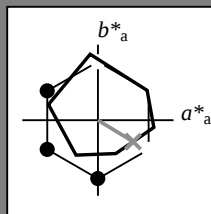
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v55m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -28

$LAB^*LCH^*_{Ma}$: 38 55 328

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

$lab^*olv^*_{Ma}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

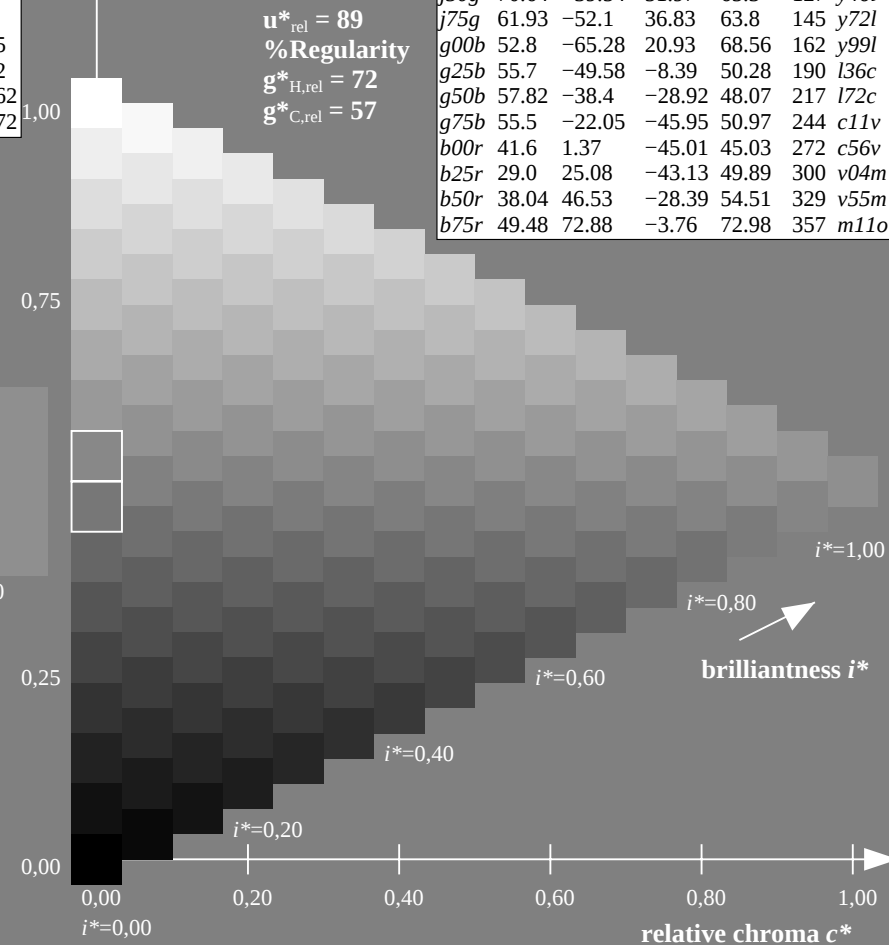
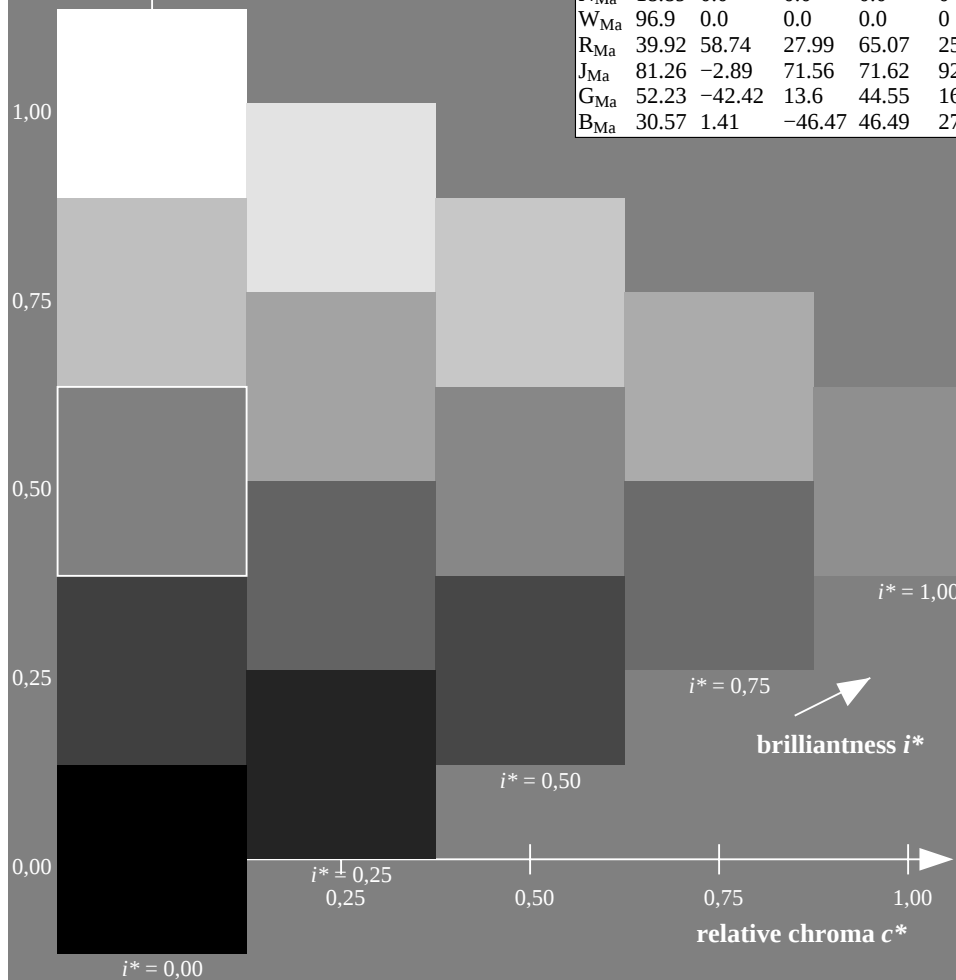
$u^*_{rel} = 89$

%Regularity

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

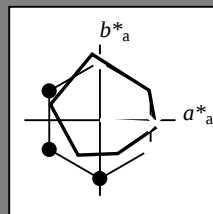
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



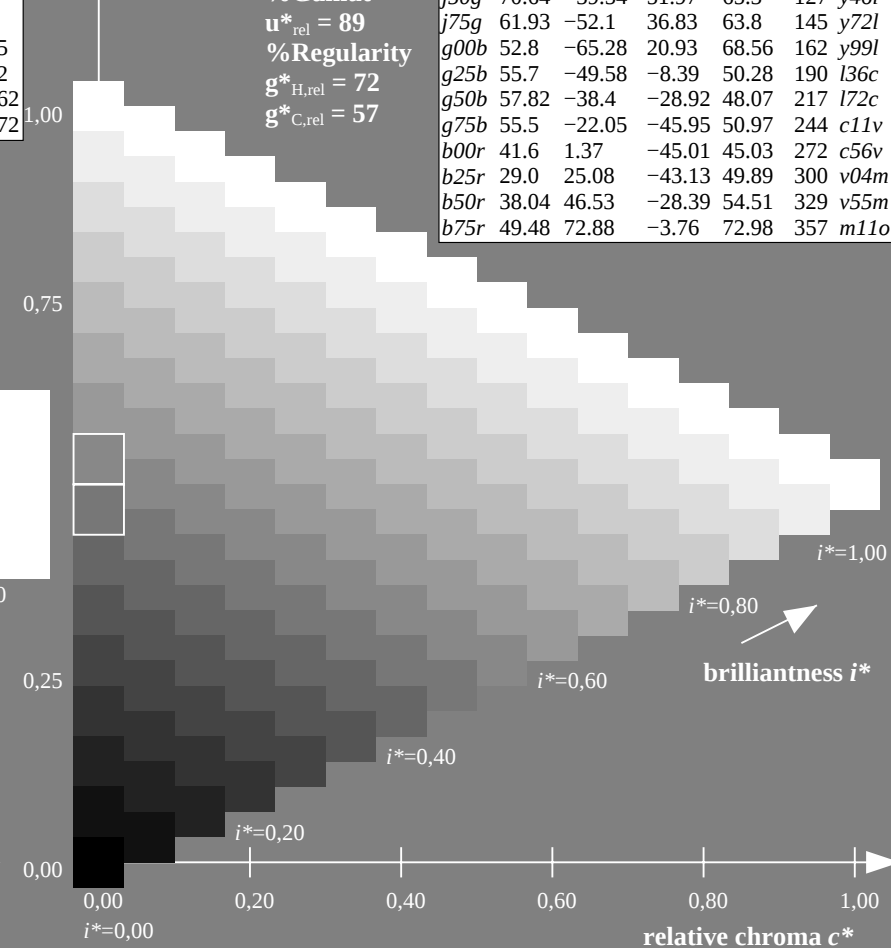
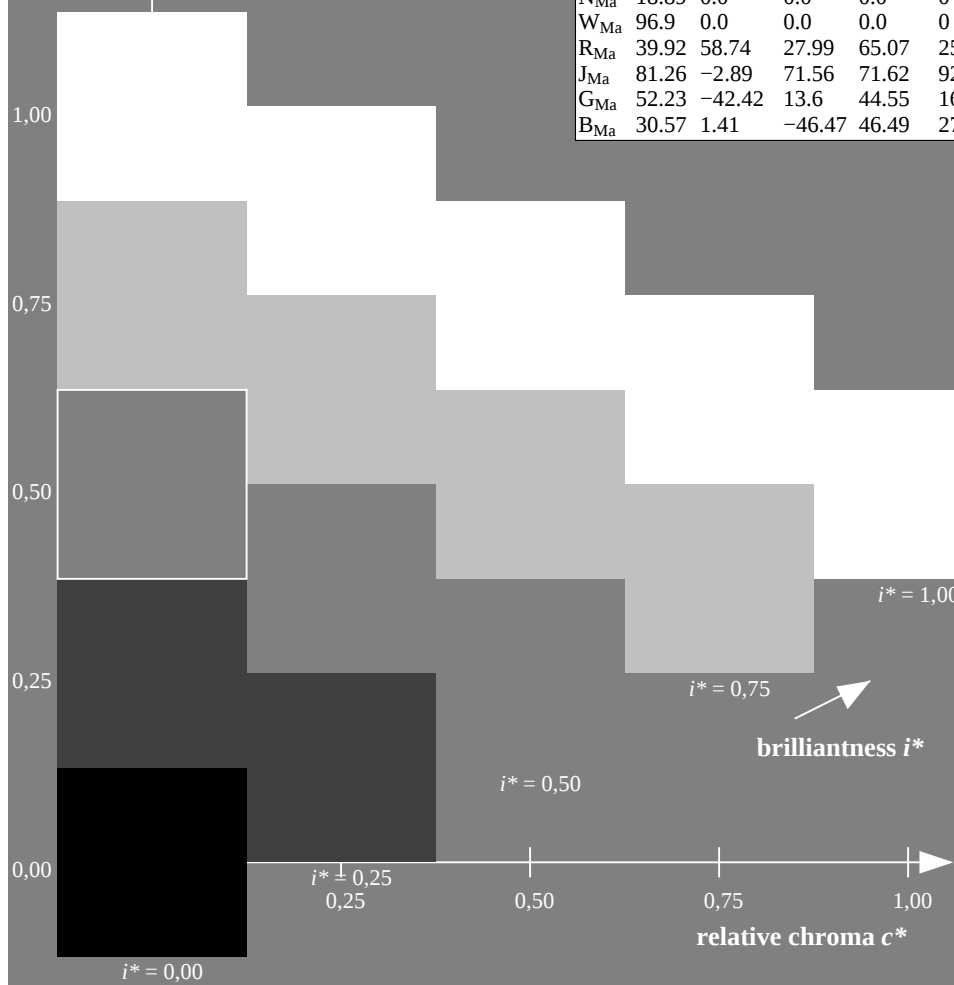
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 49 73 -4
 LAB^*LCH^*Ma : 49 73 357
 lab^*rgb^*Ma : 1.0 0.0 0.5
 lab^*olv^*Ma : 1.0 0.0 0.89
triangle lightness t^*

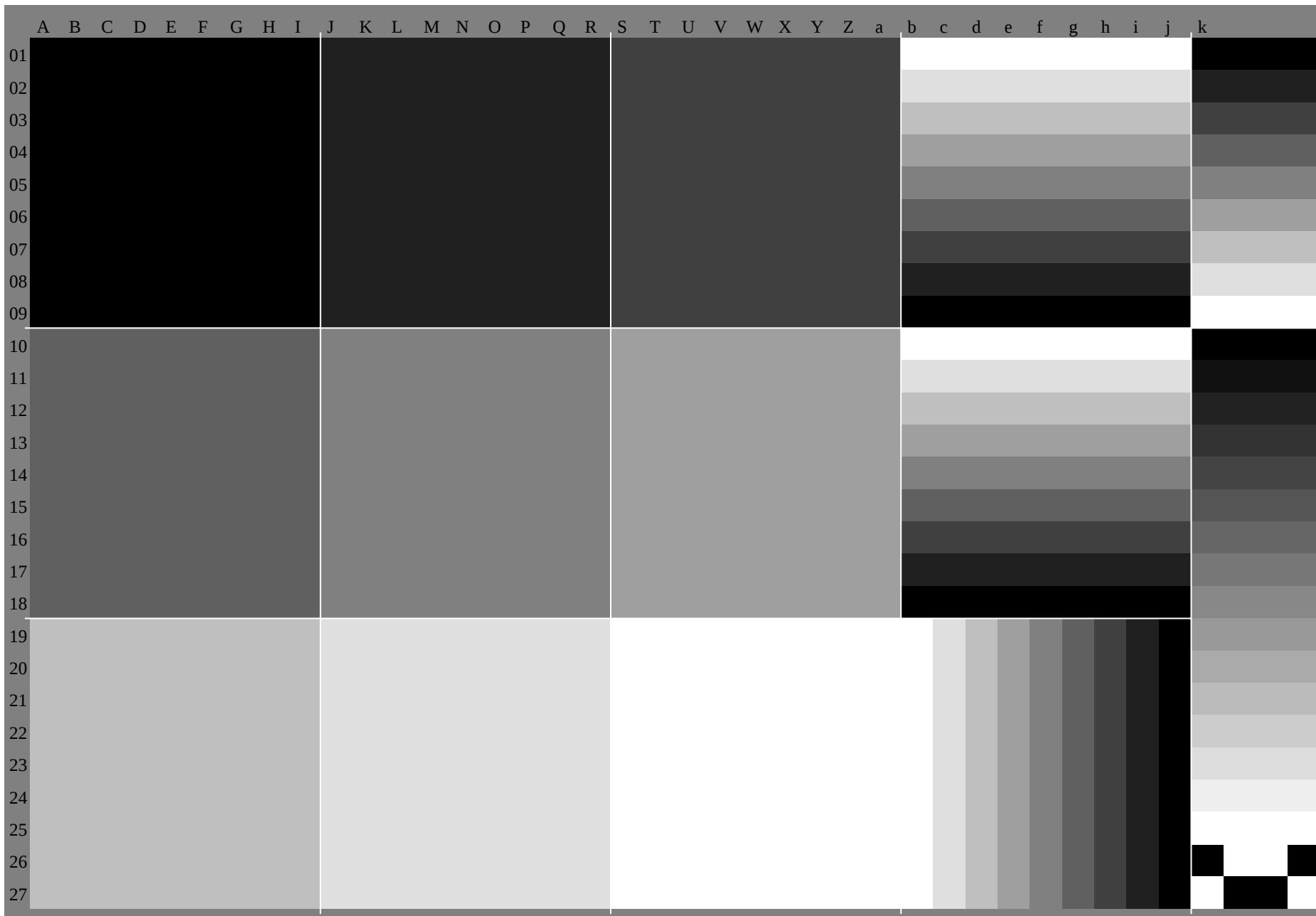
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee14/10L/L14E00NA.PS/ .TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

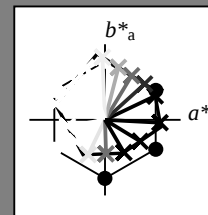


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u_e^* and number $no.$ = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut

$u_{rel}^* = 89$

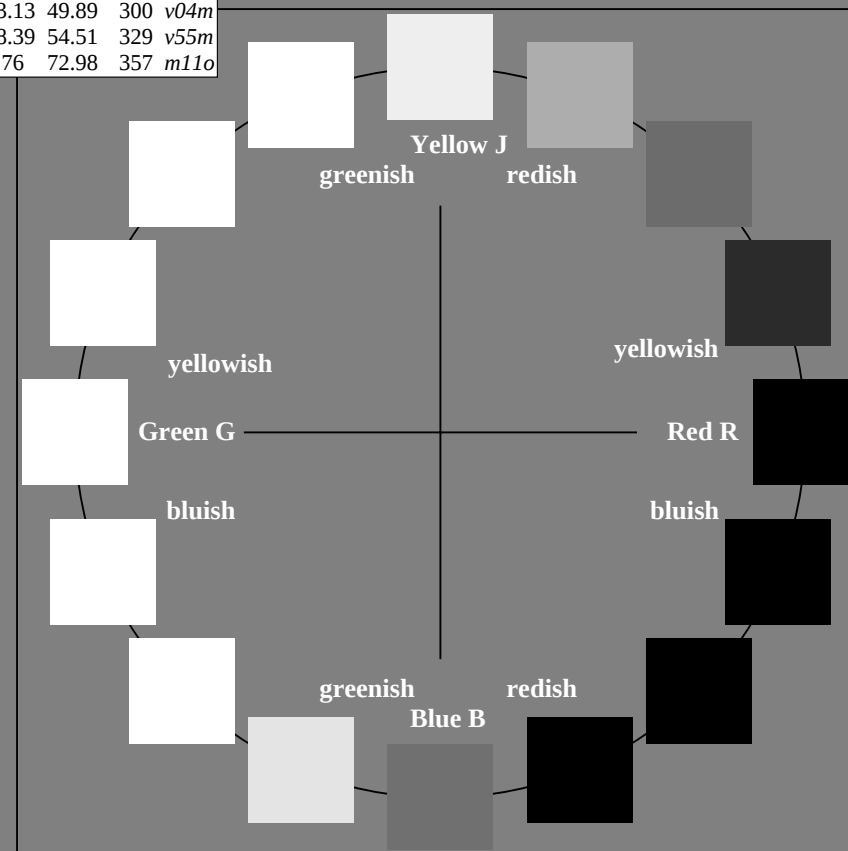
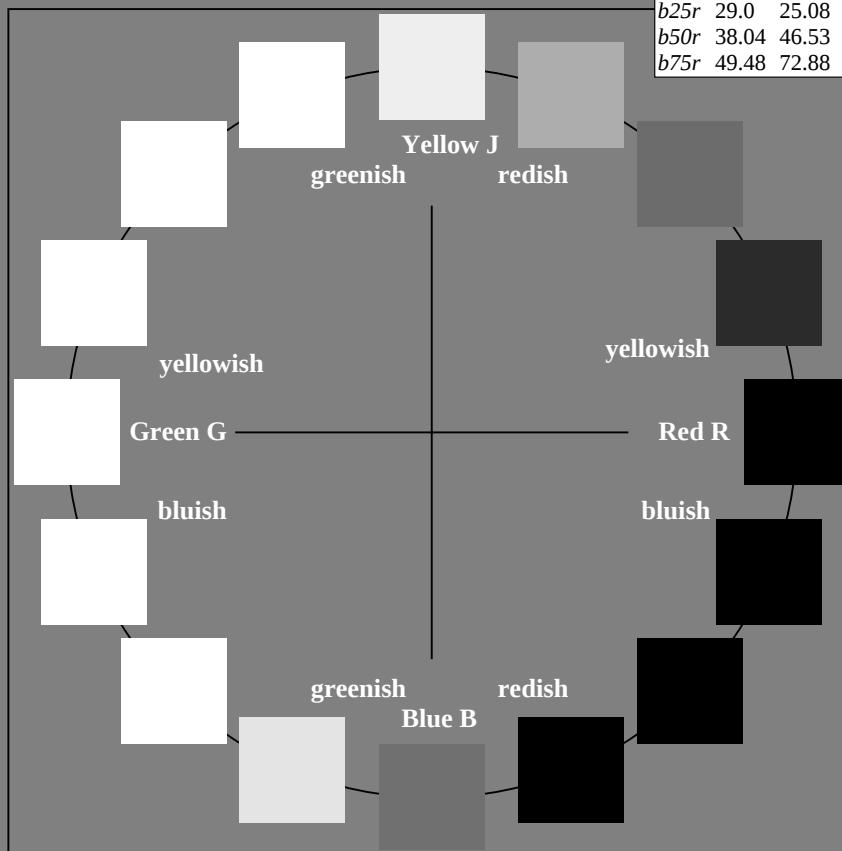
%Regularity

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

$g_{C,rel}^* = 57$

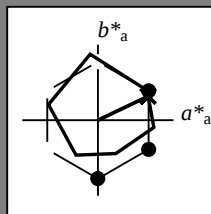
ORS19_96a; adapted (a) CIELAB data

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
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r00j$ $u_d^* = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



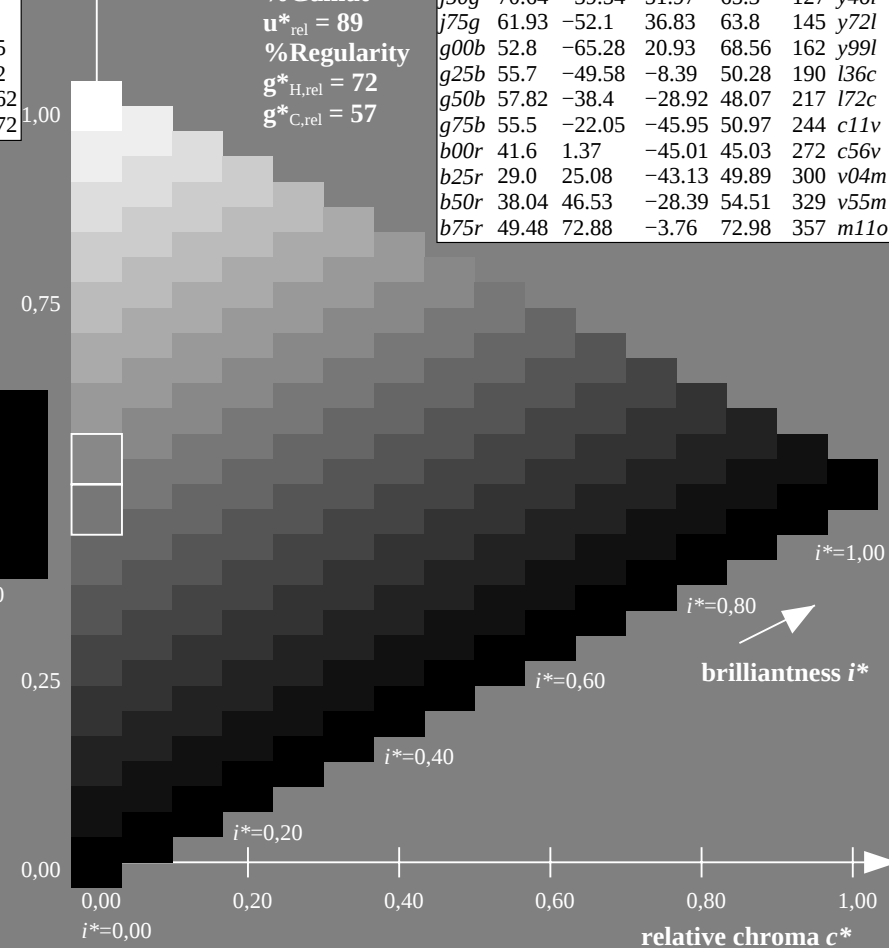
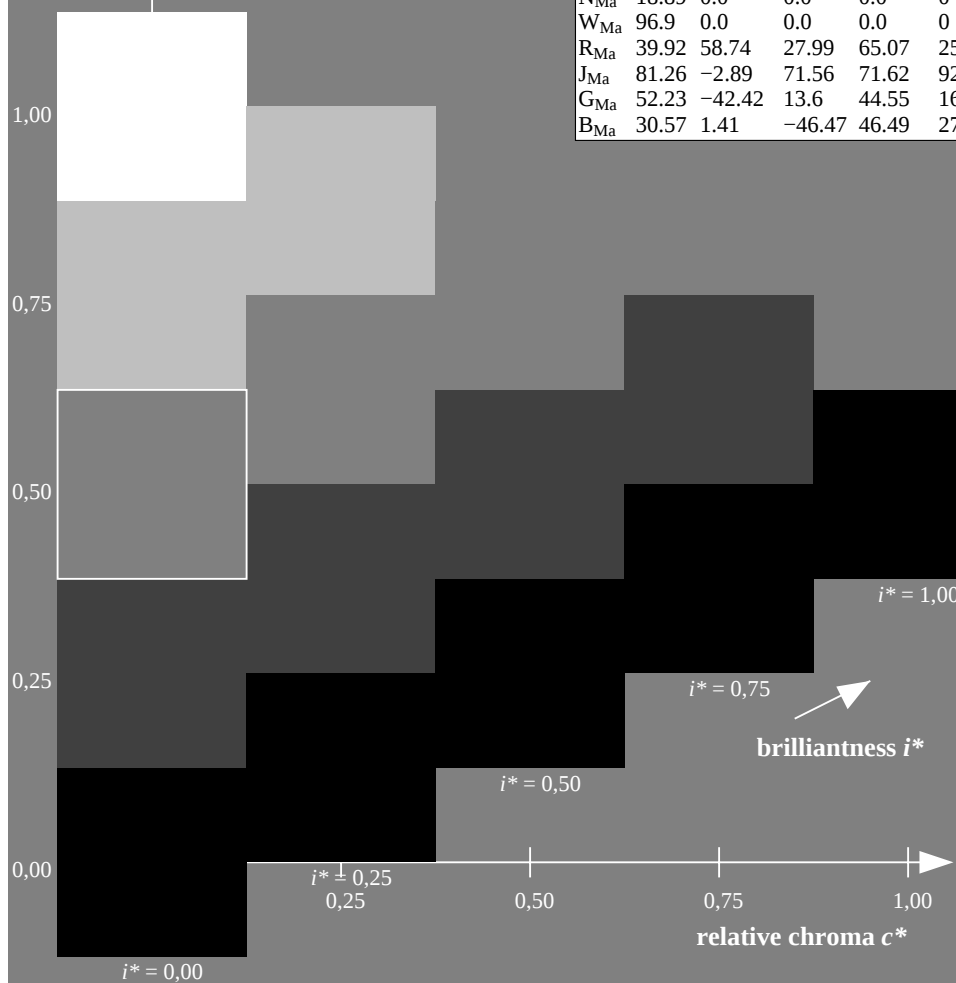
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 66 32
 $LAB^*LCH^*_{Ma}$: 49 74 25
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness t^*

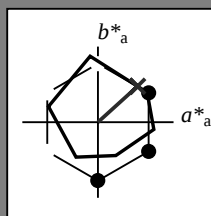
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



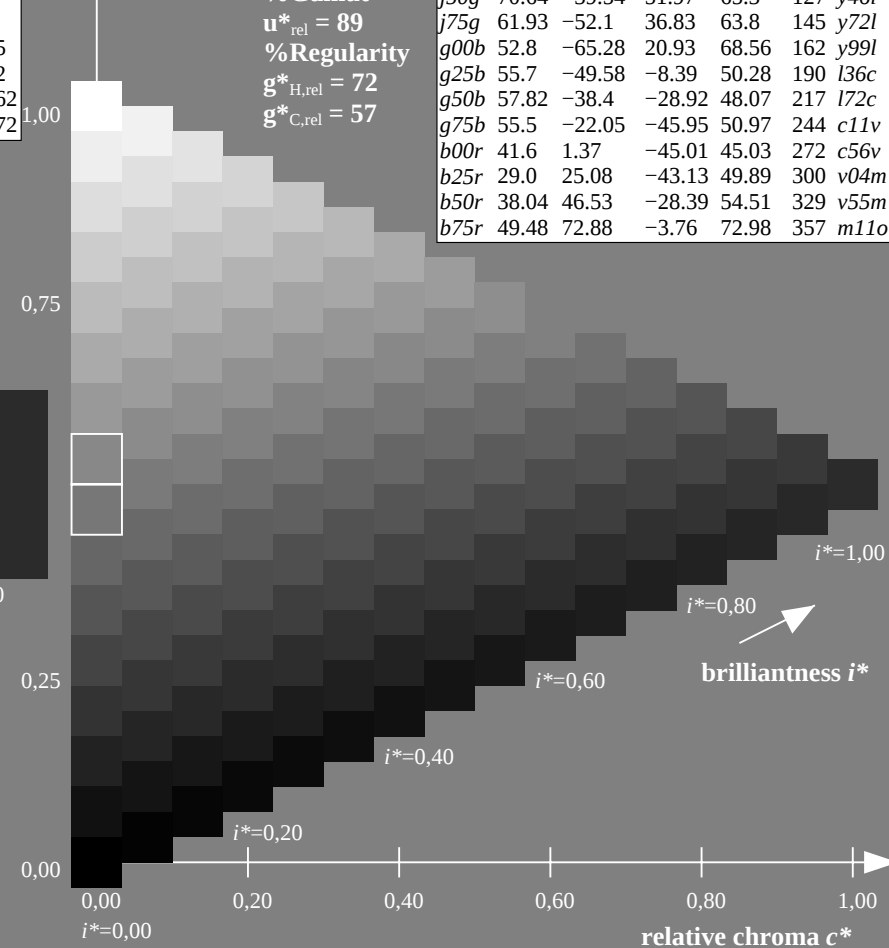
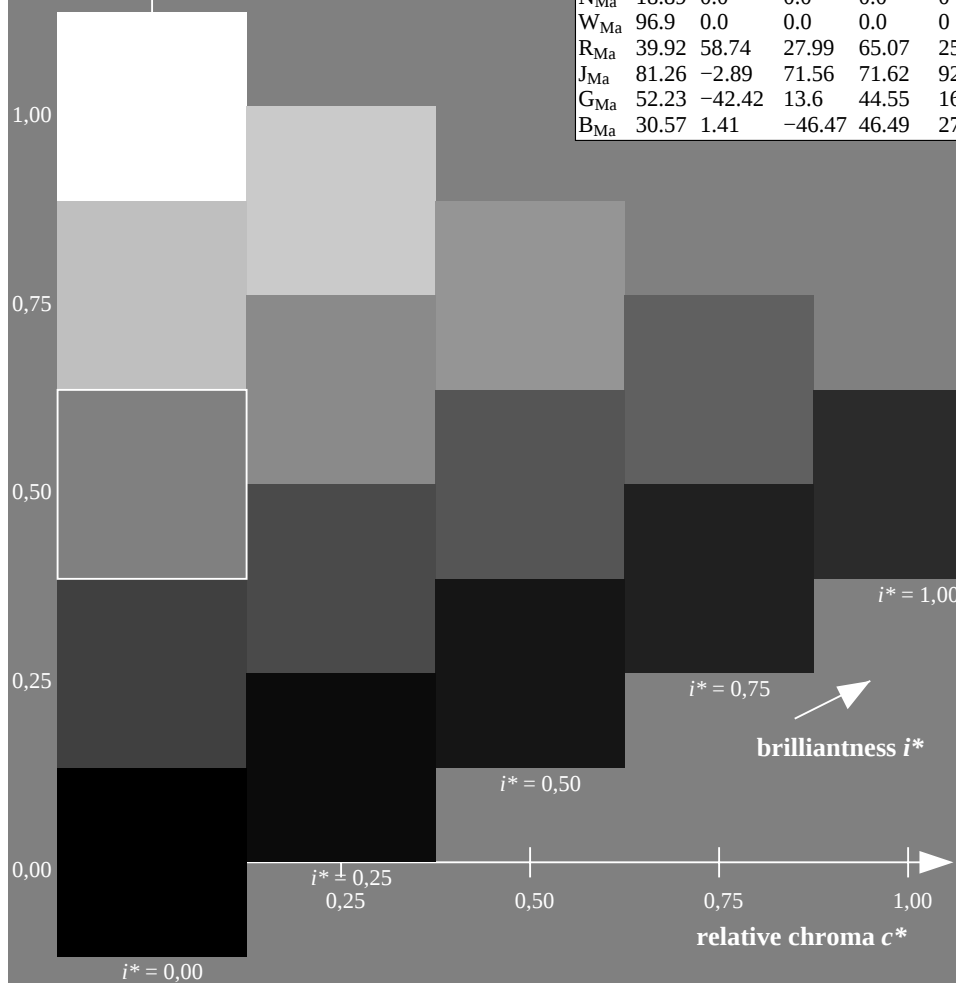
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 52 47
 $LAB^*LCH^*_{Ma}$: 56 71 42
 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.17 0.0
triangle lightness t^*

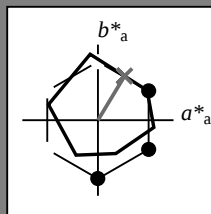
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r50j$ $u_d^* = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 65 35 58

LAB^*LCH^*Ma : 65 68 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.42 0.0

triangle lightness t^*

%Gamut

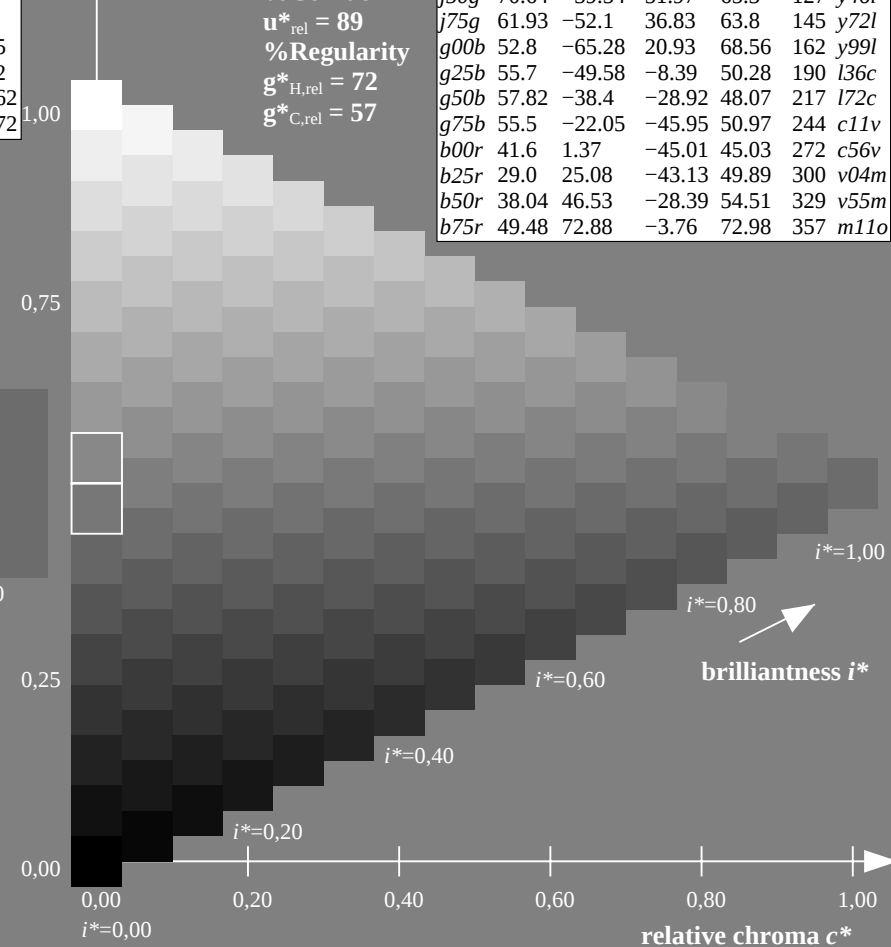
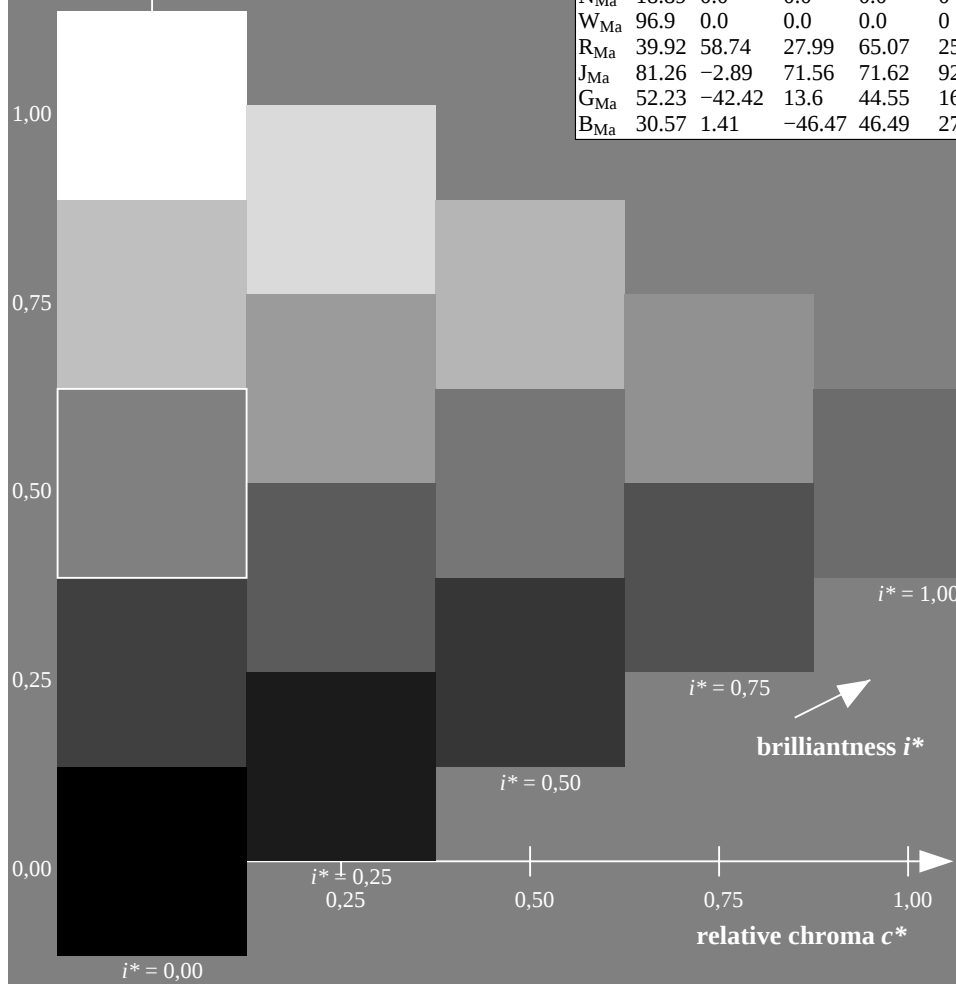
$u_{rel}^* = 89$

%Regularity

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

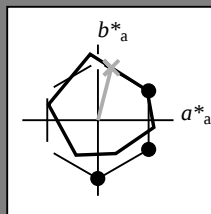
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



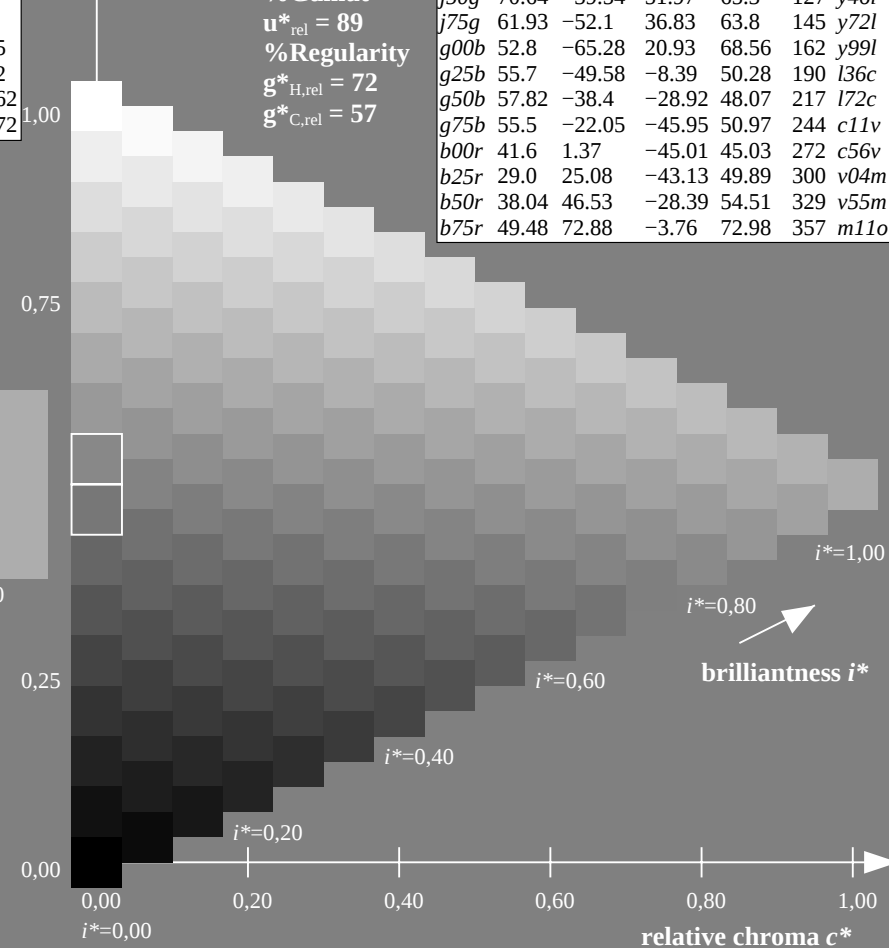
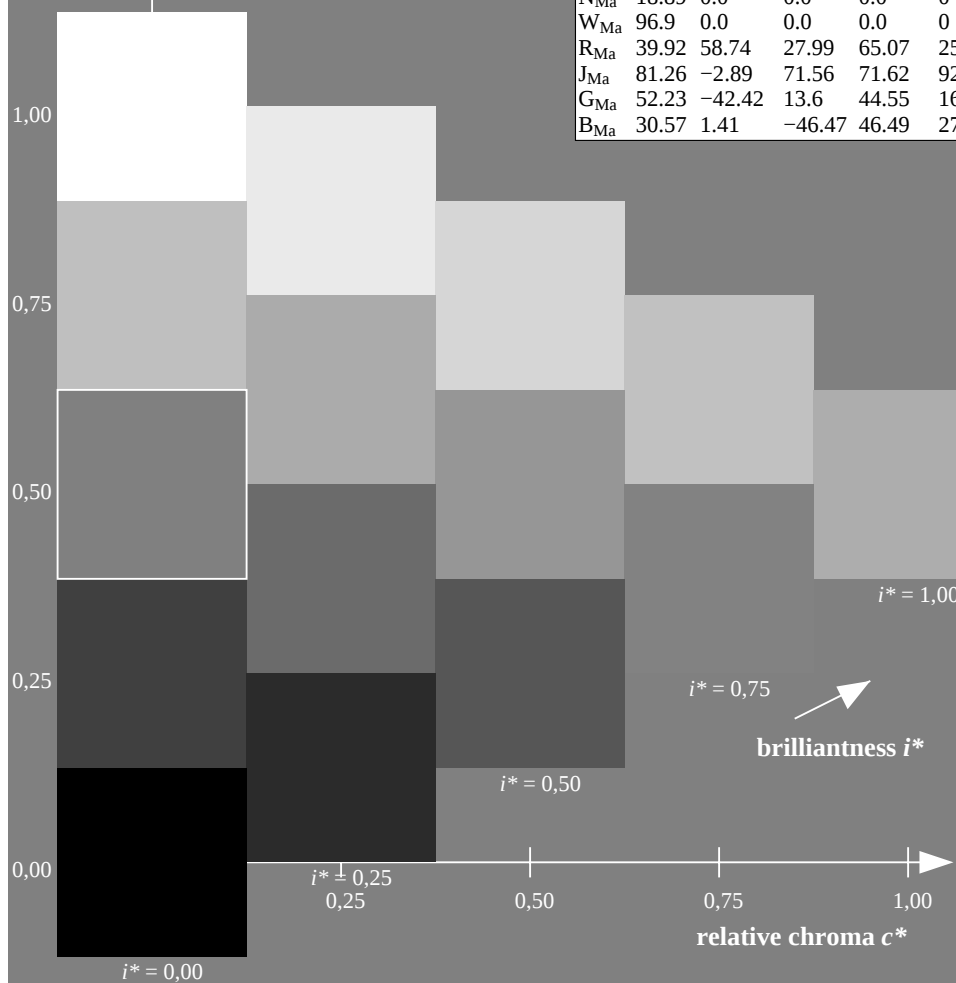
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 75 18 69
 $LAB^*LCH^*_{Ma}$: 75 72 75
 $lab^*rgb^*_{Ma}$: 1.0 0.75 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.68 0.0
triangle lightness t^*

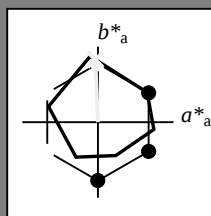
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j00g$ $u_d^* = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 87 -3 83

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 87 83 92

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

%Gamut

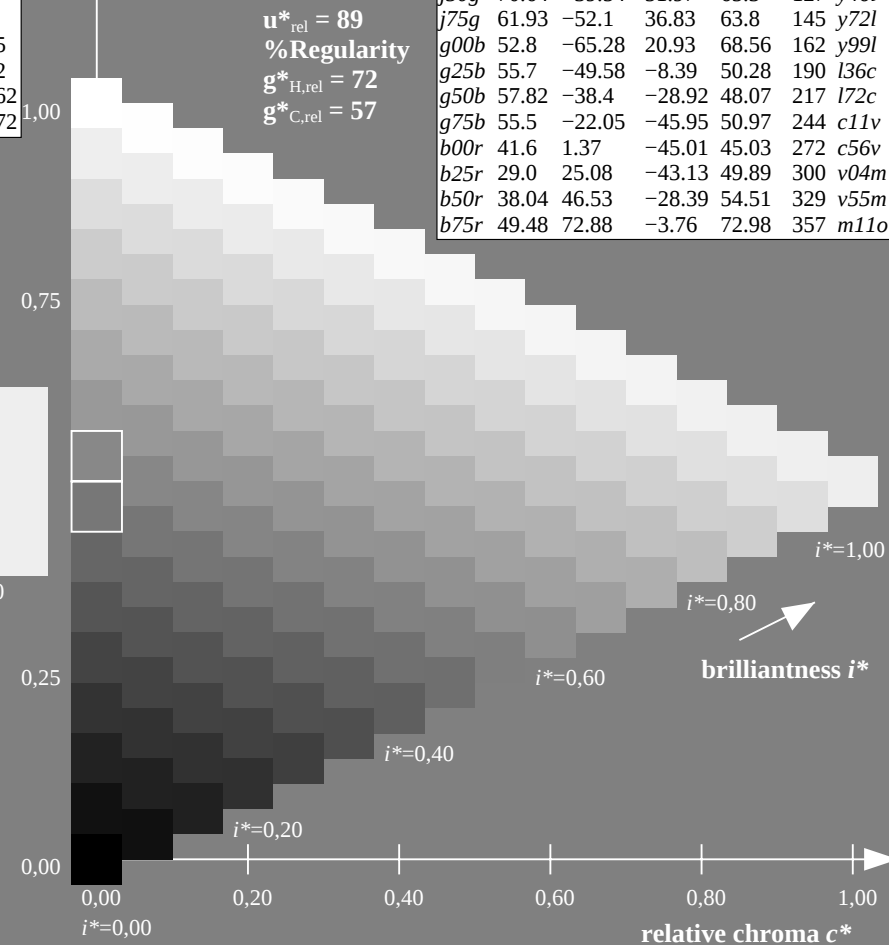
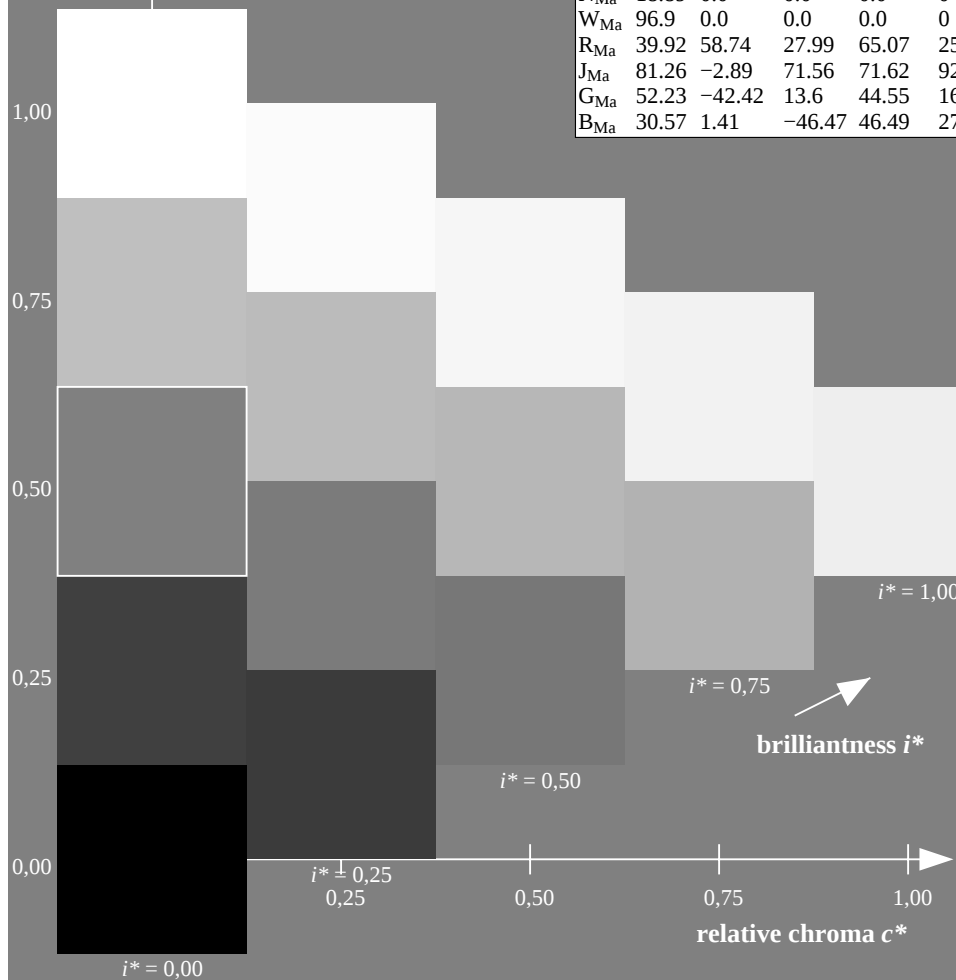
$u_{\text{rel}}^* = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

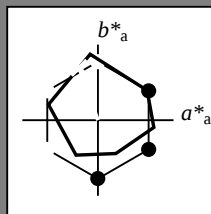
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -25 69

$LAB^*LCH^*_{Ma}$: 81 74 109

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

$lab^*olv^*_{Ma}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

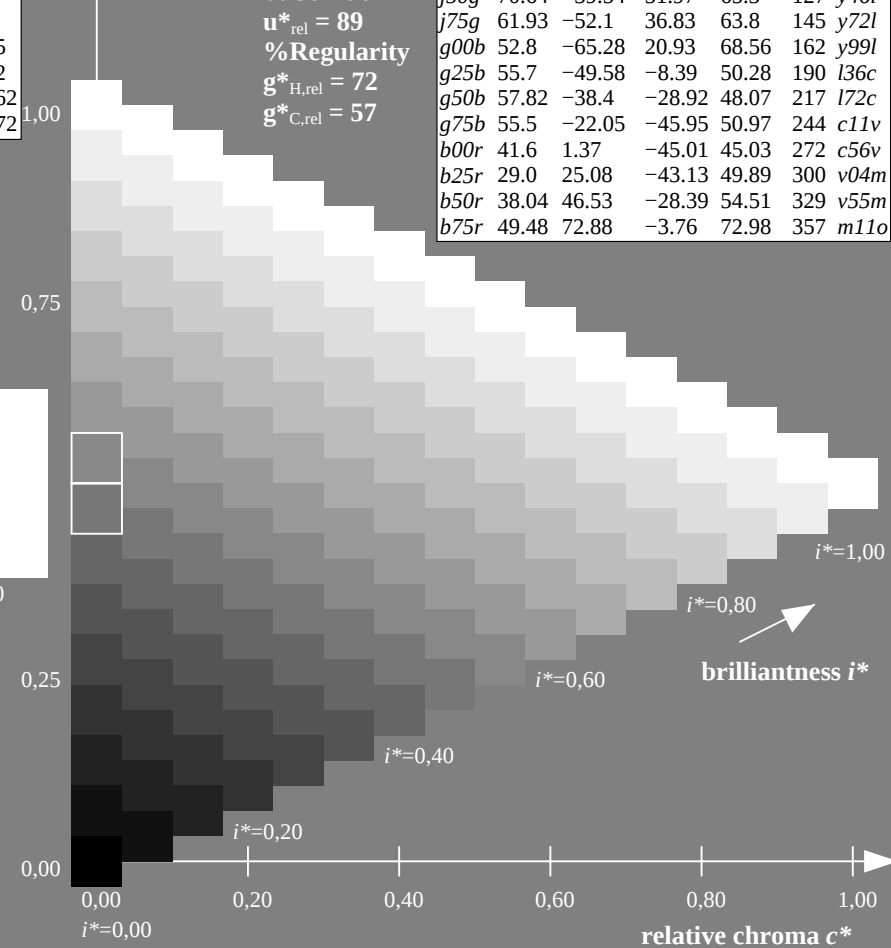
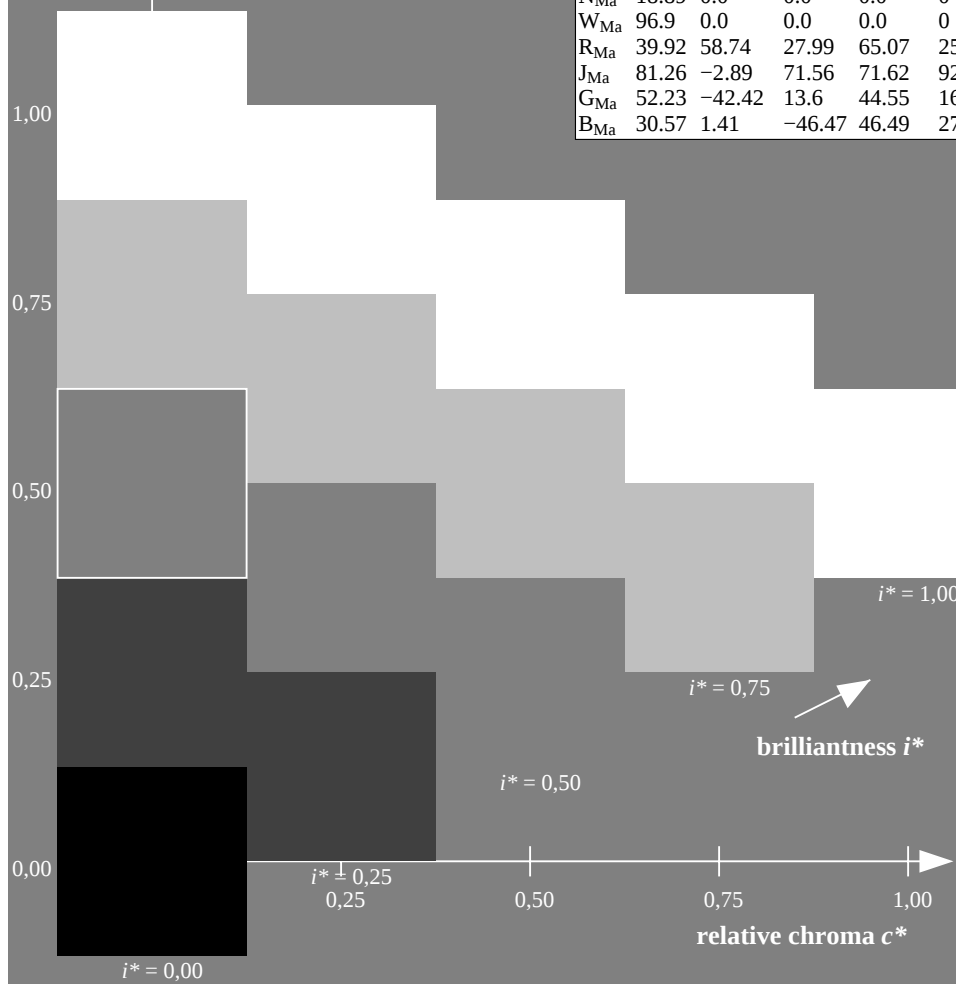
%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

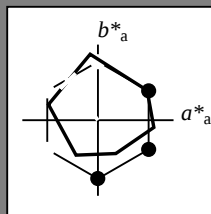
Hue texts:

$u^*_e = j50g$ $u^*_d = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -40 52

$LAB^*LCH^*_{Ma}$: 71 65 127

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

$lab^*olv^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

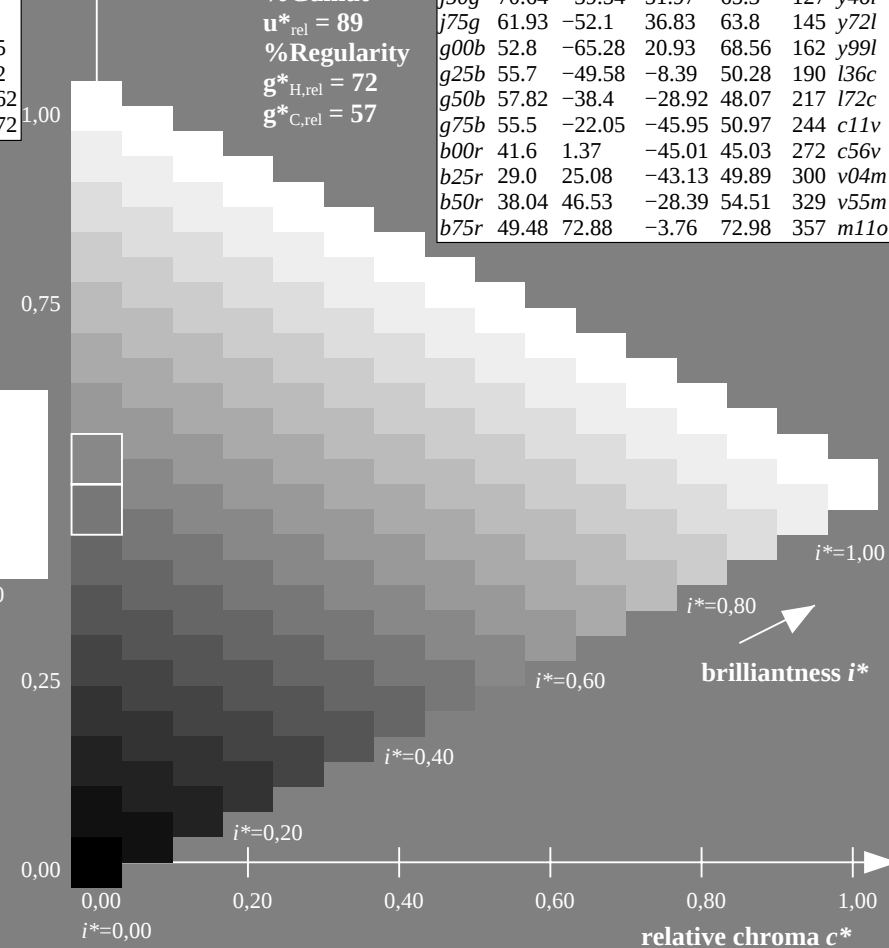
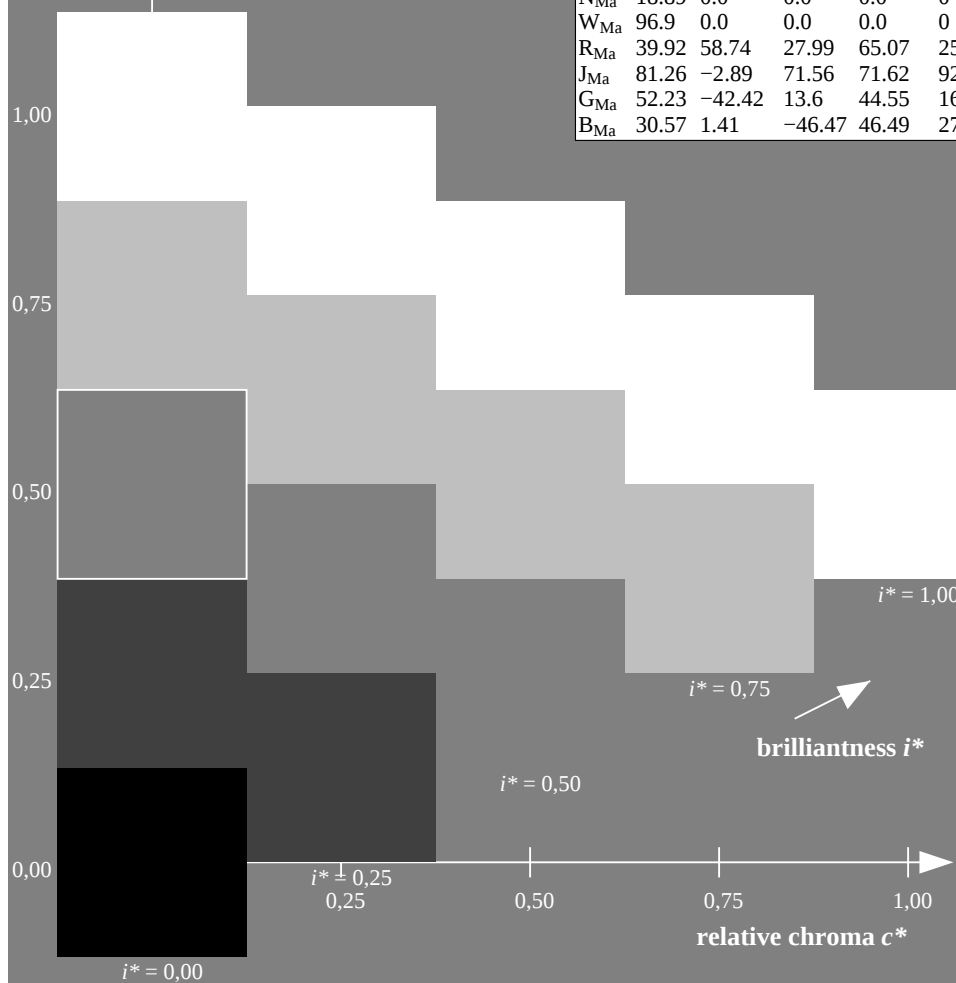
%Regularity

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

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

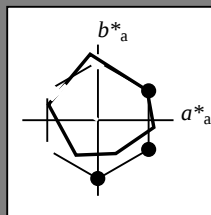
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

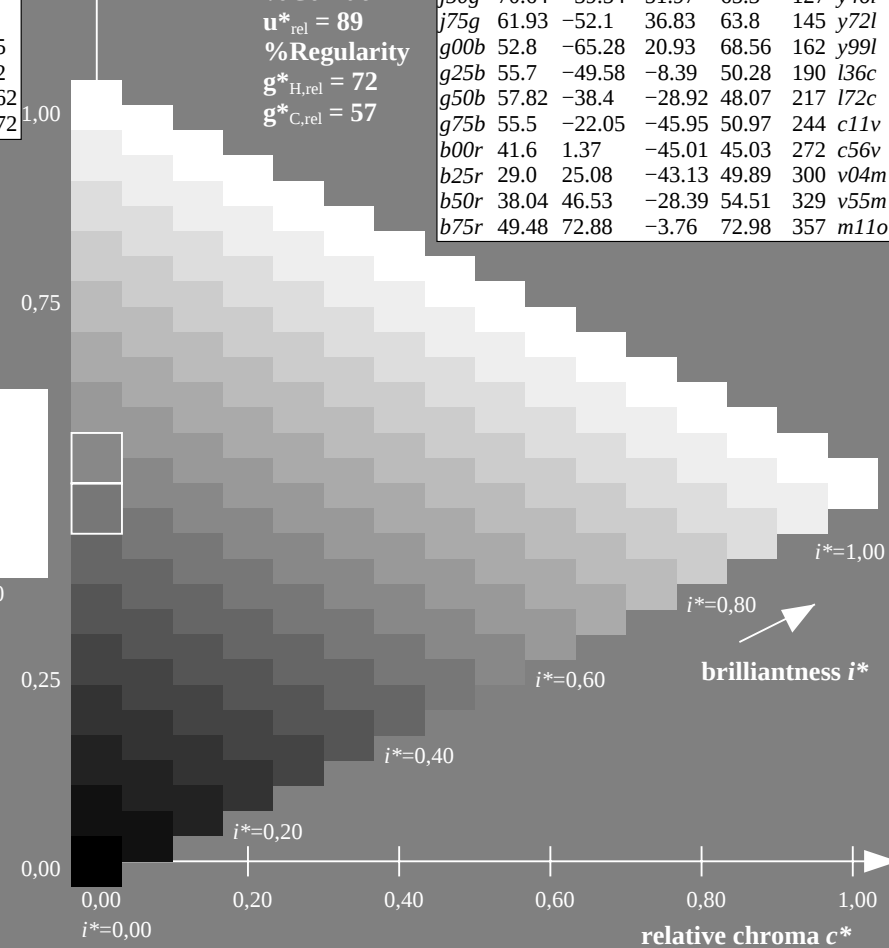
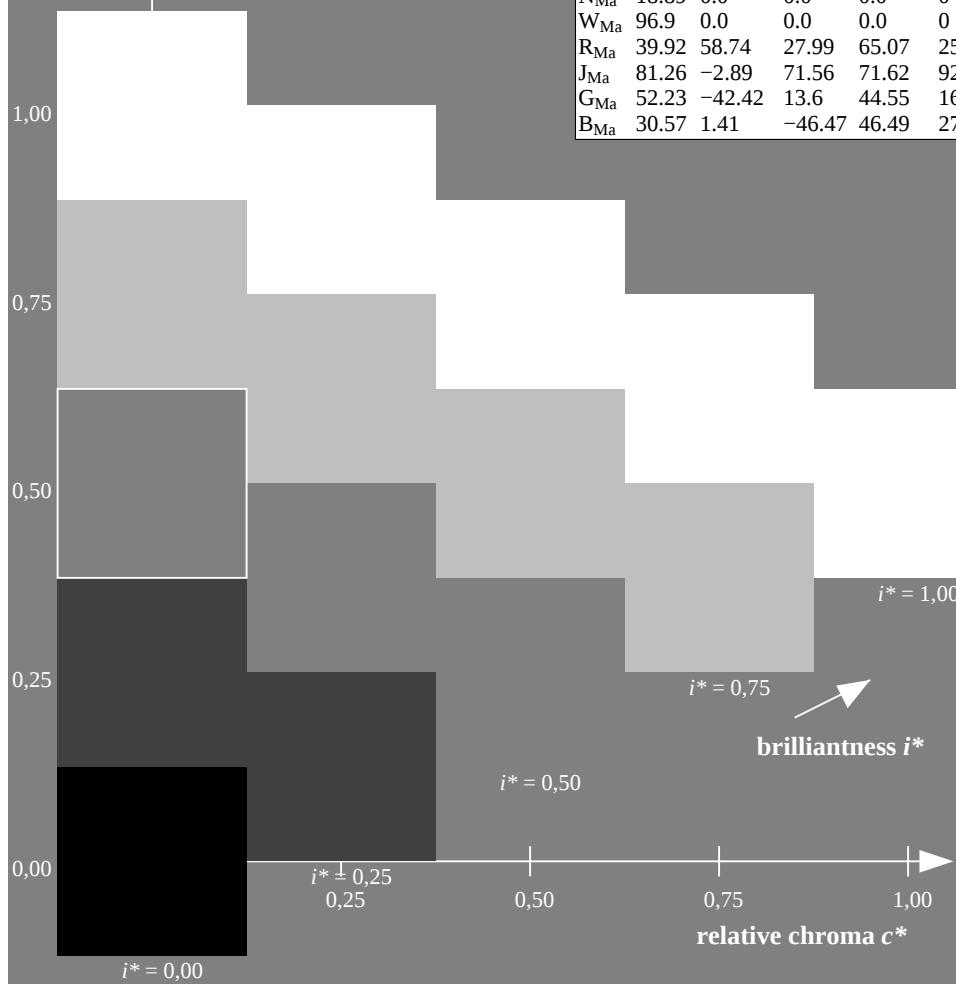
$u^*_{\text{rel}} = 89$

%Regularity

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

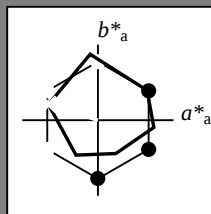
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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:
 $u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

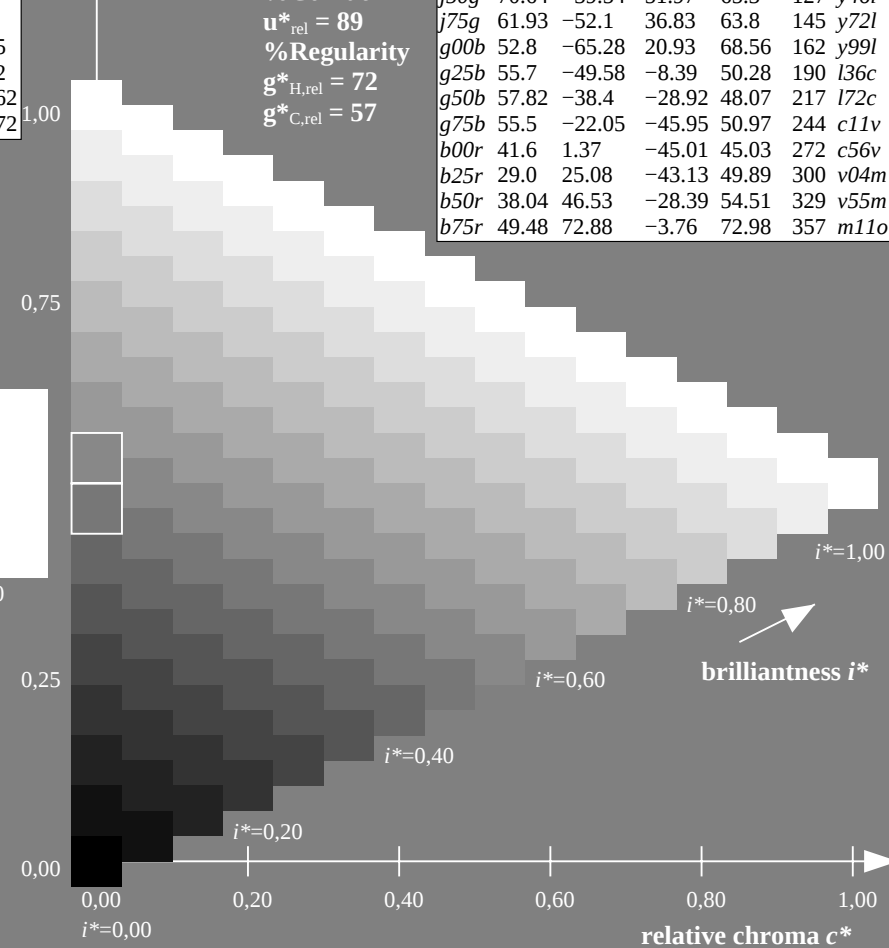
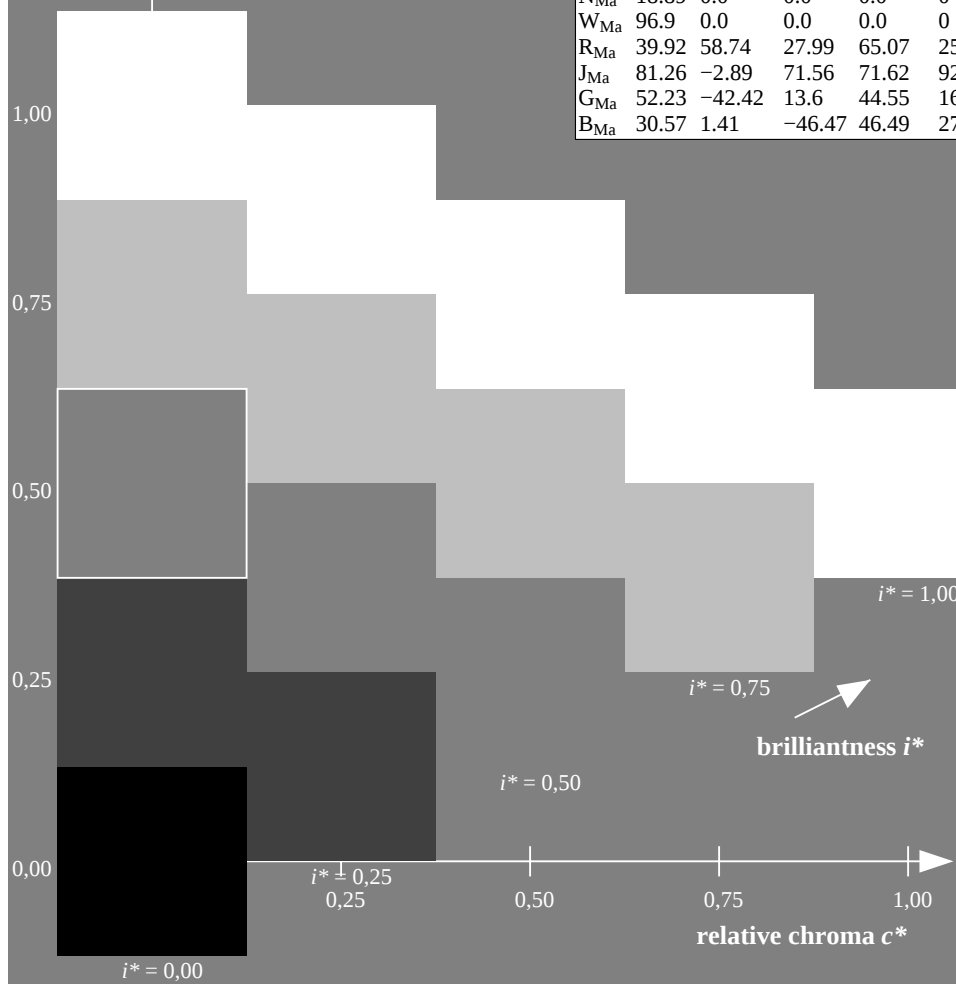
$u^*_{rel} = 89$

%Regularity

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

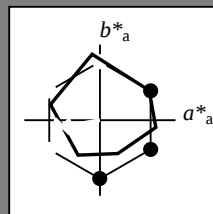
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

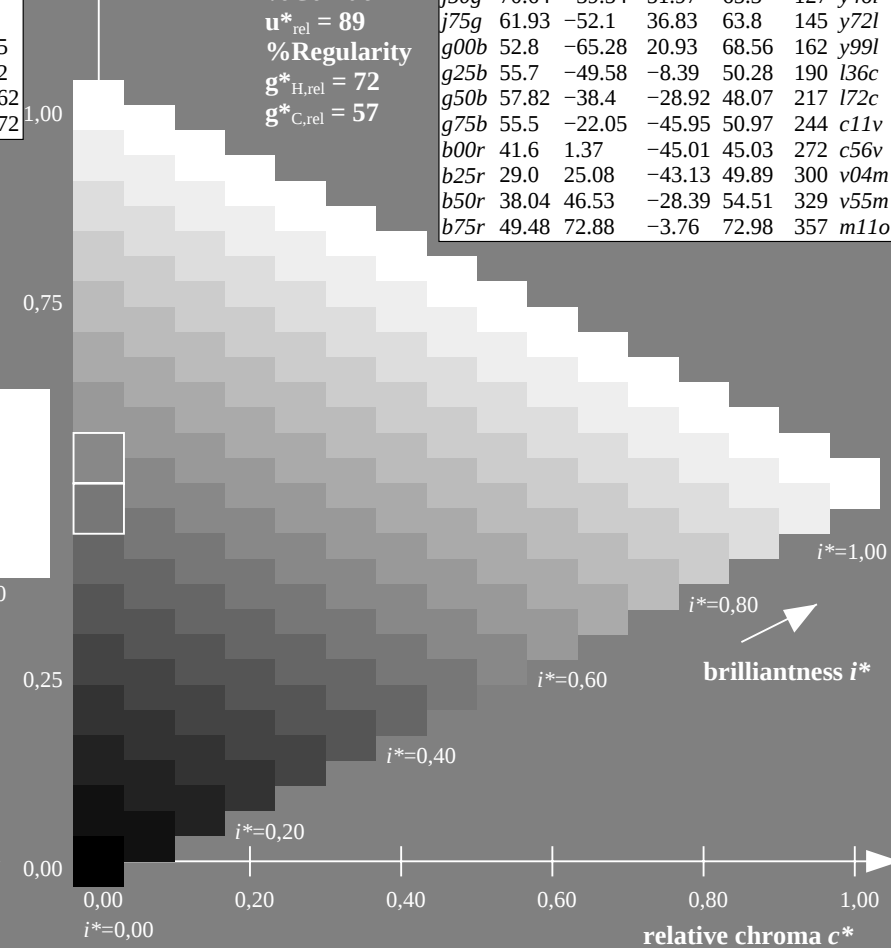
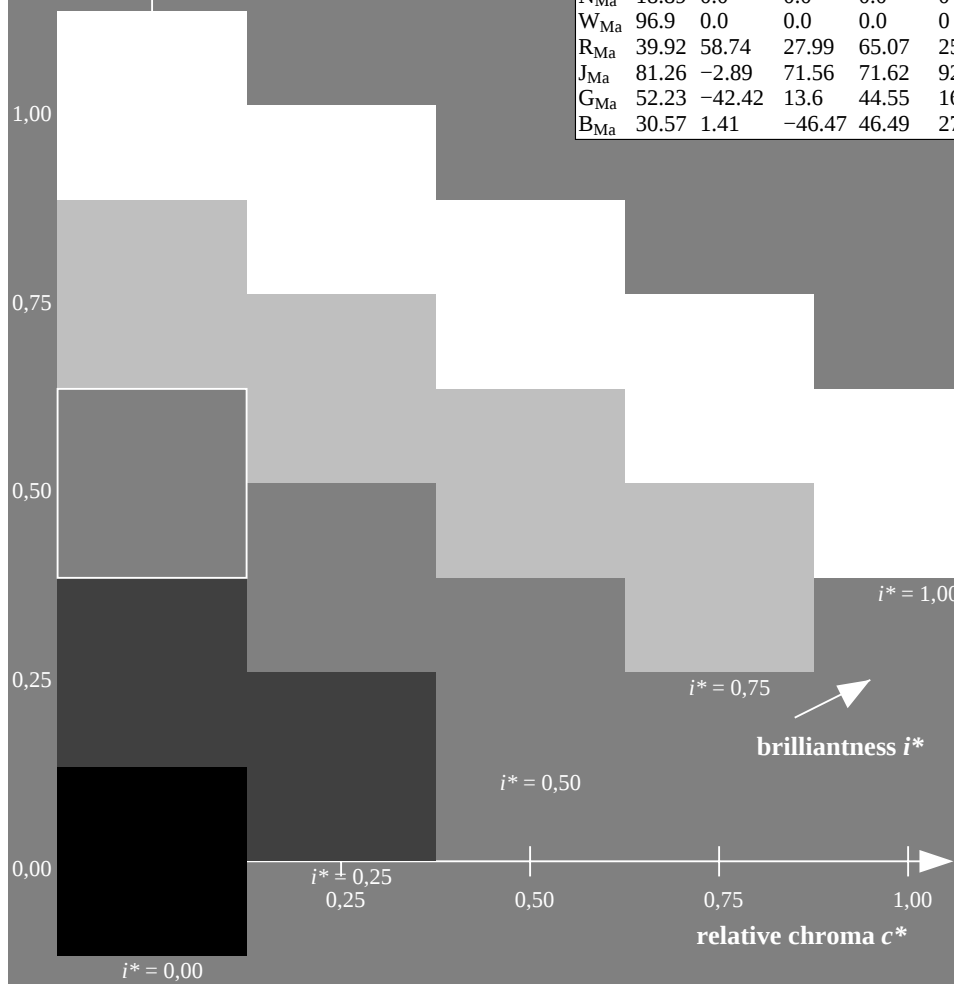
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

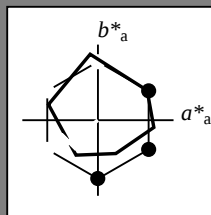
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

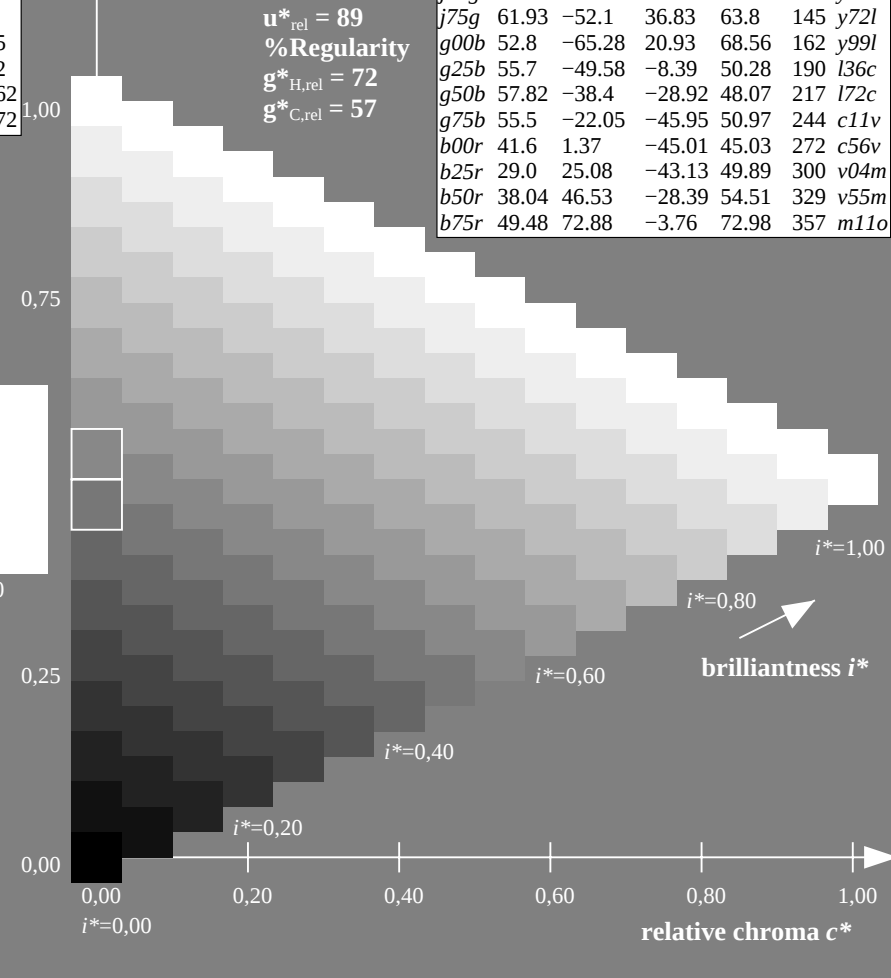
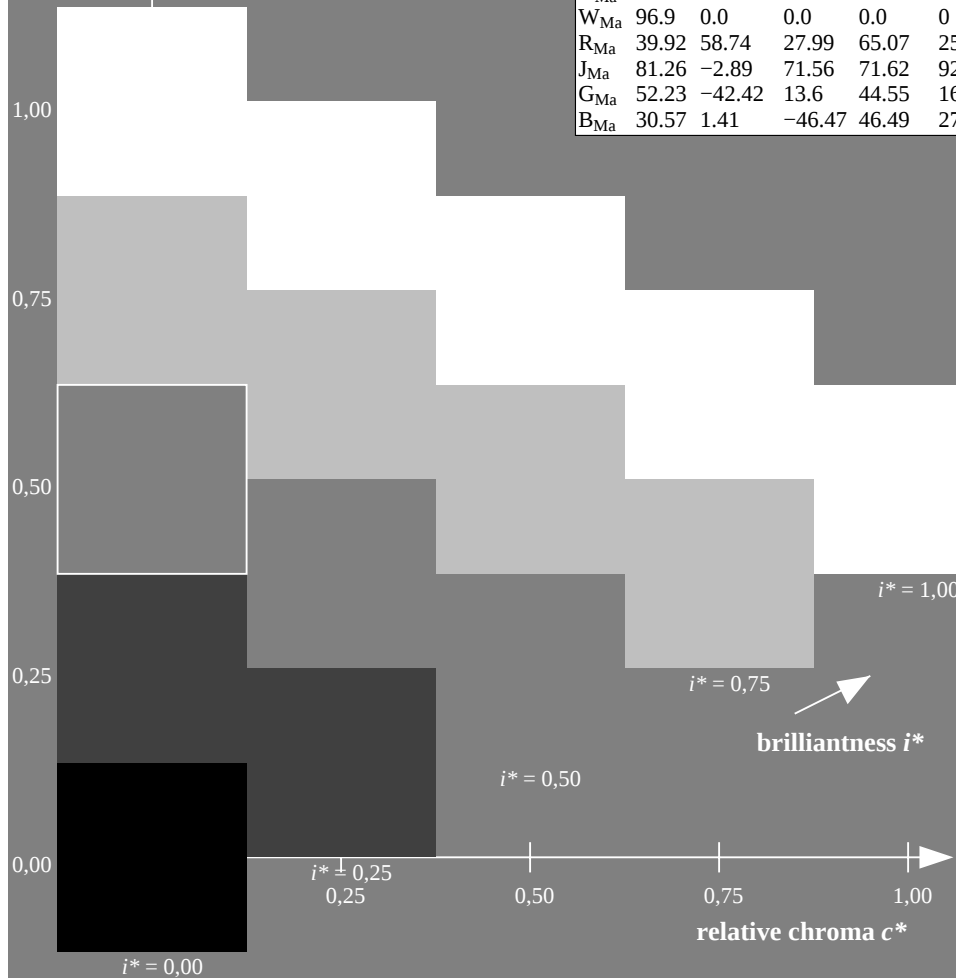
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = g50b$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

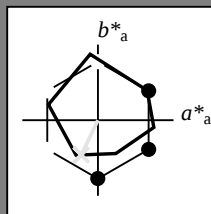
Hue texts:

$u_e^* = g75b$ $u_d^* = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 55 -22 -46

$LAB^*LCH^*_{Ma}$: 55 51 244

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

$lab^*olv^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

%Regularity

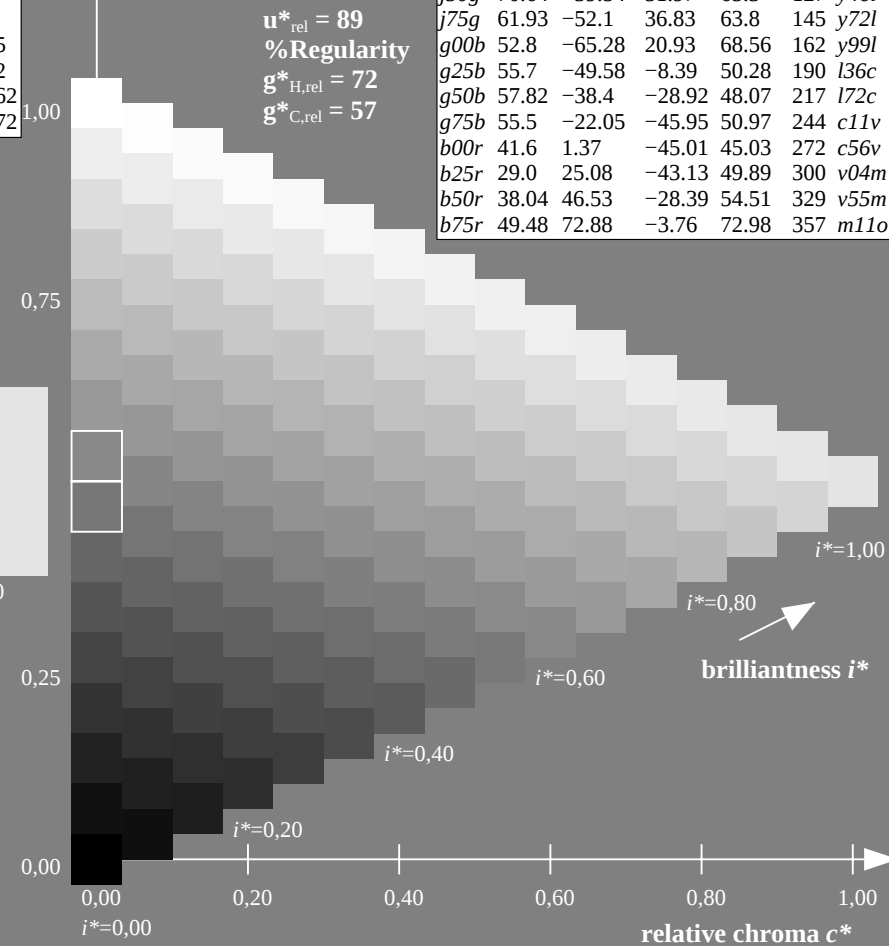
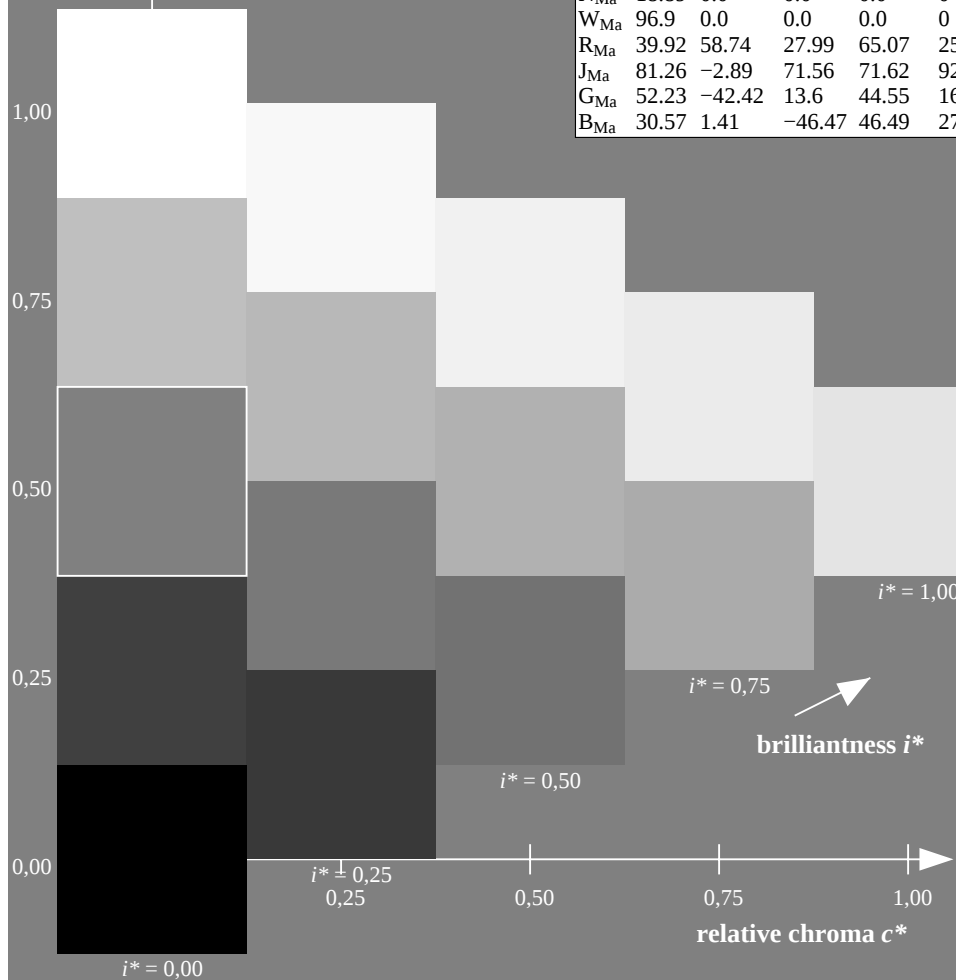
$g_{H,rel}^* = 72$

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data

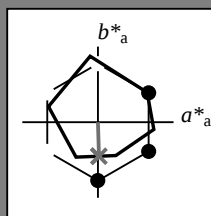
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u_e^* = g75b$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -45

$LAB^*LCH^*_{Ma}$: 42 45 271

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

$lab^*olv^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

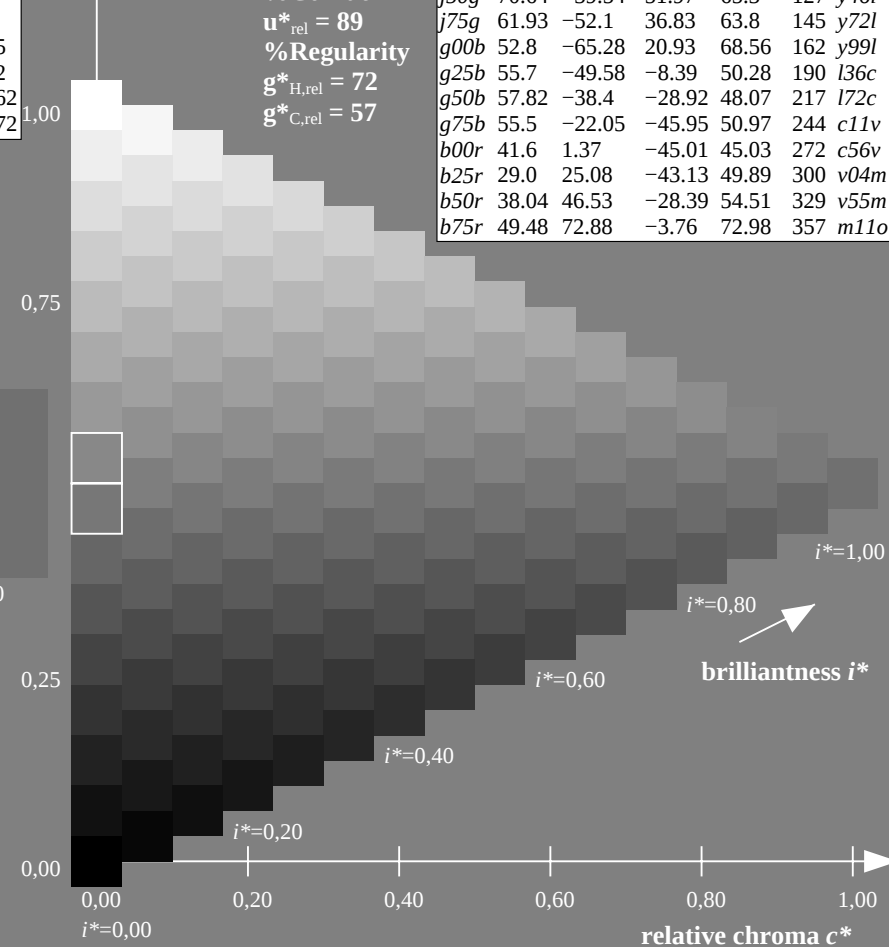
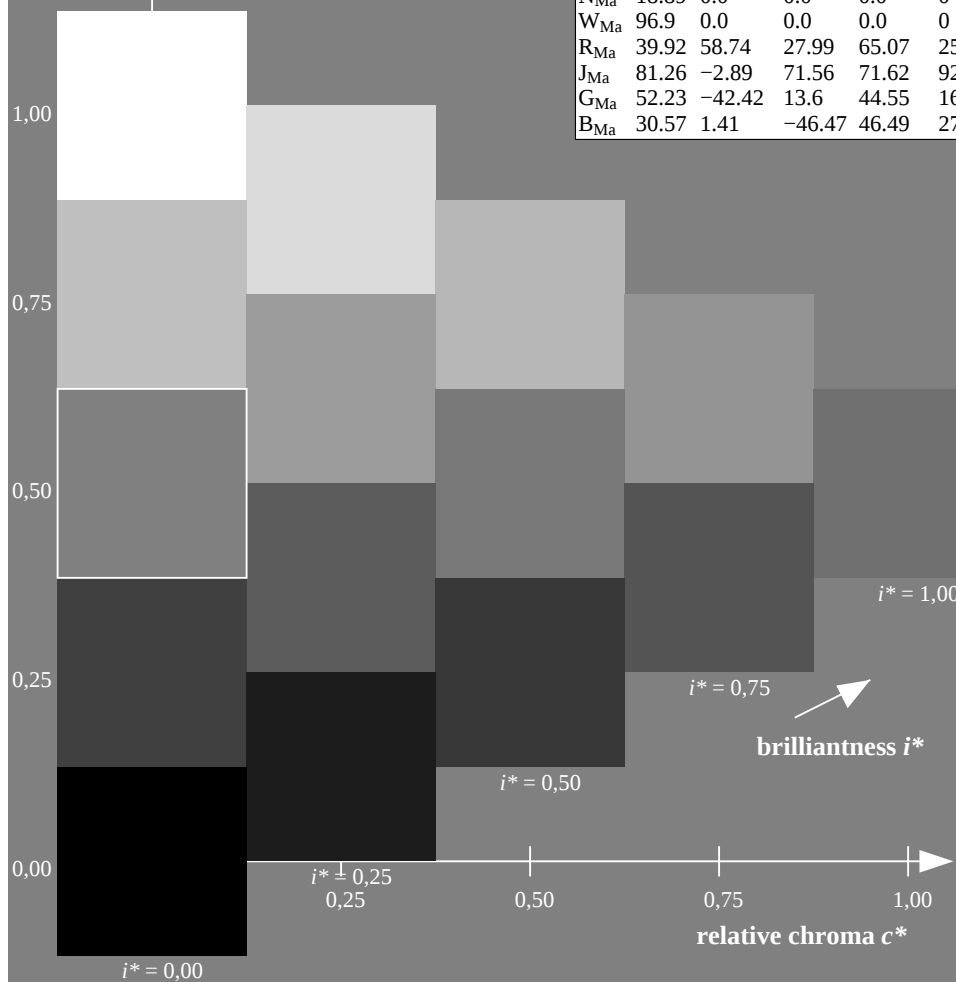
$u^*_{rel} = 89$

%Regularity

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

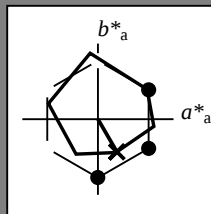
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b25r$ $u_d^* = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -43

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*olv^*_{Ma}$: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

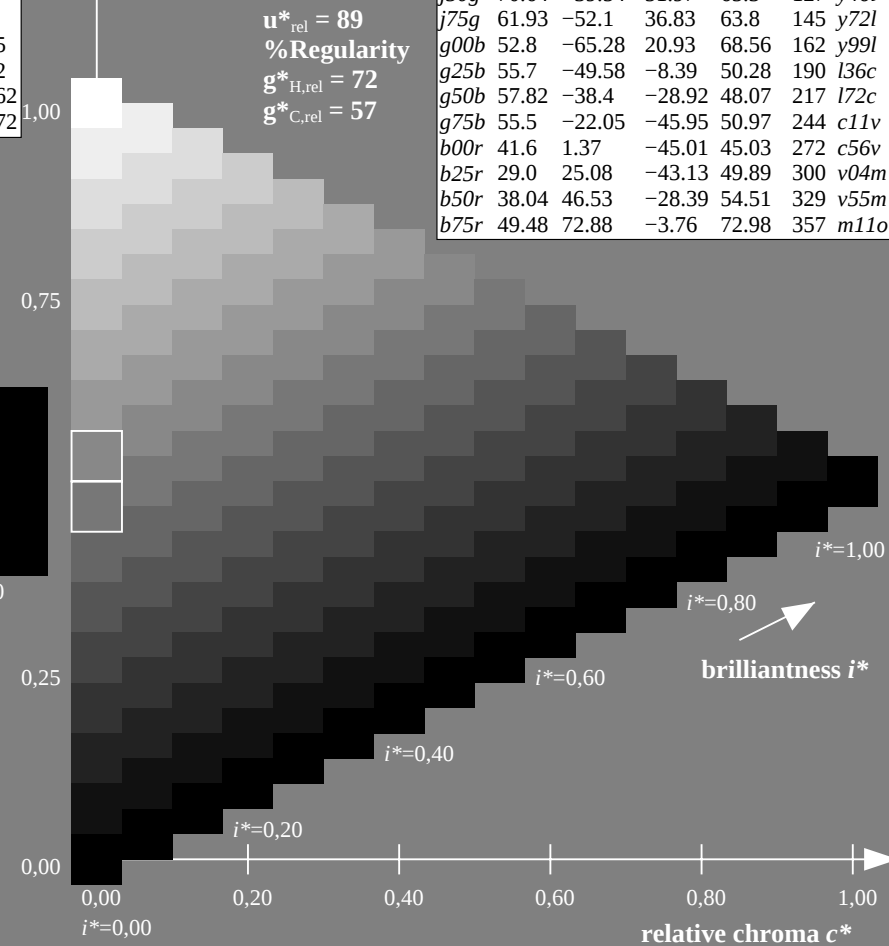
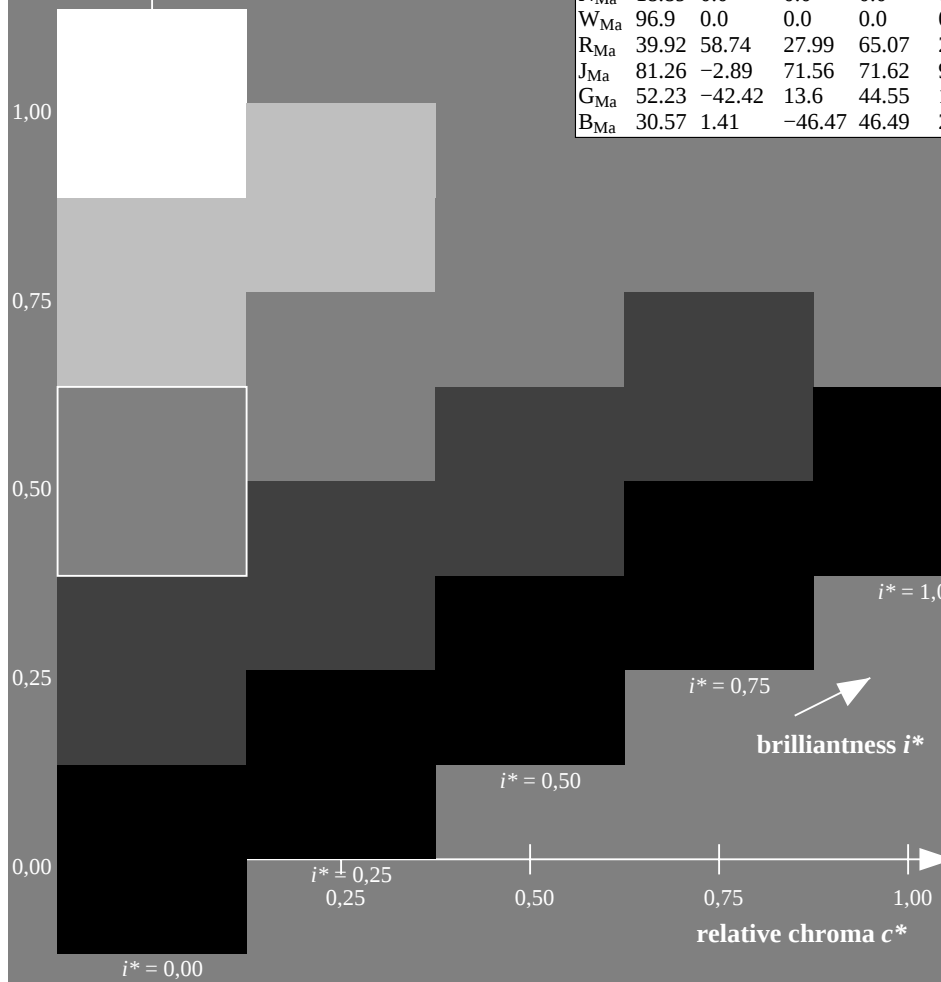
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

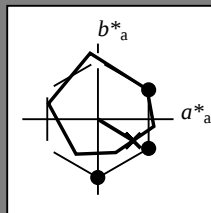
Hue texts:

$u_e^* = b50r$ $u_d^* = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 38 47 -28

$LAB^*LCH^*_{Ma}$: 38 55 328

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

$lab^*olv^*_{Ma}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

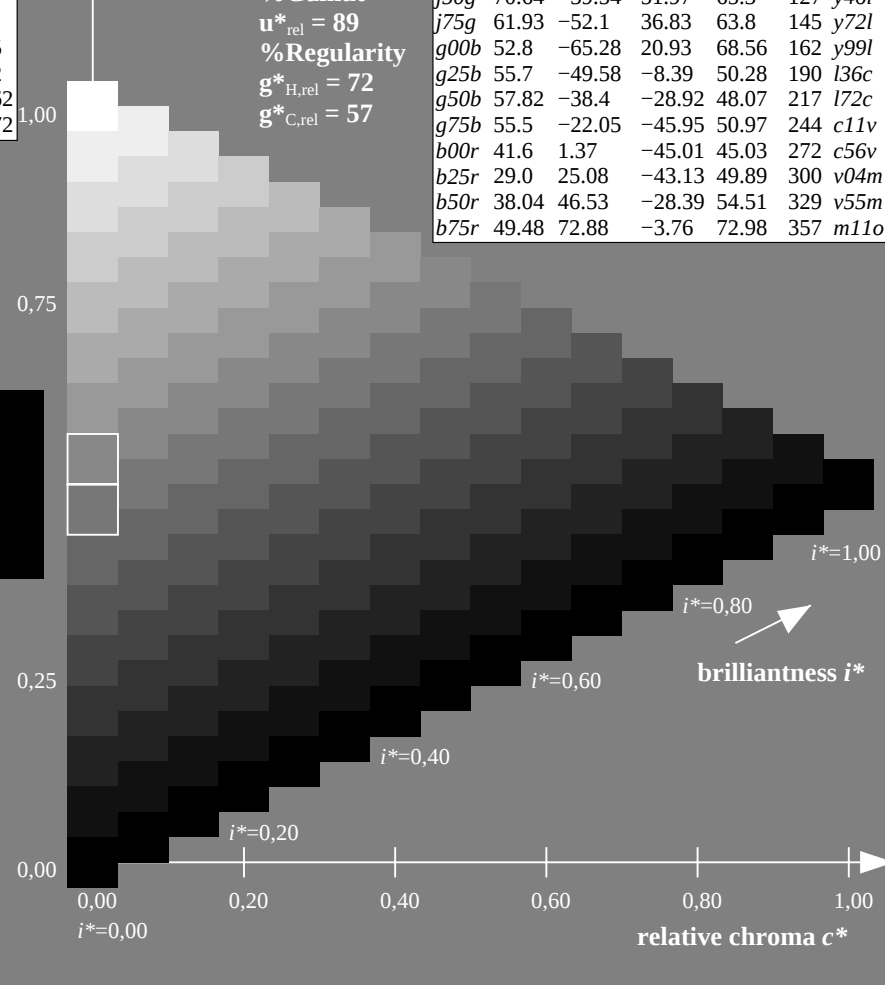
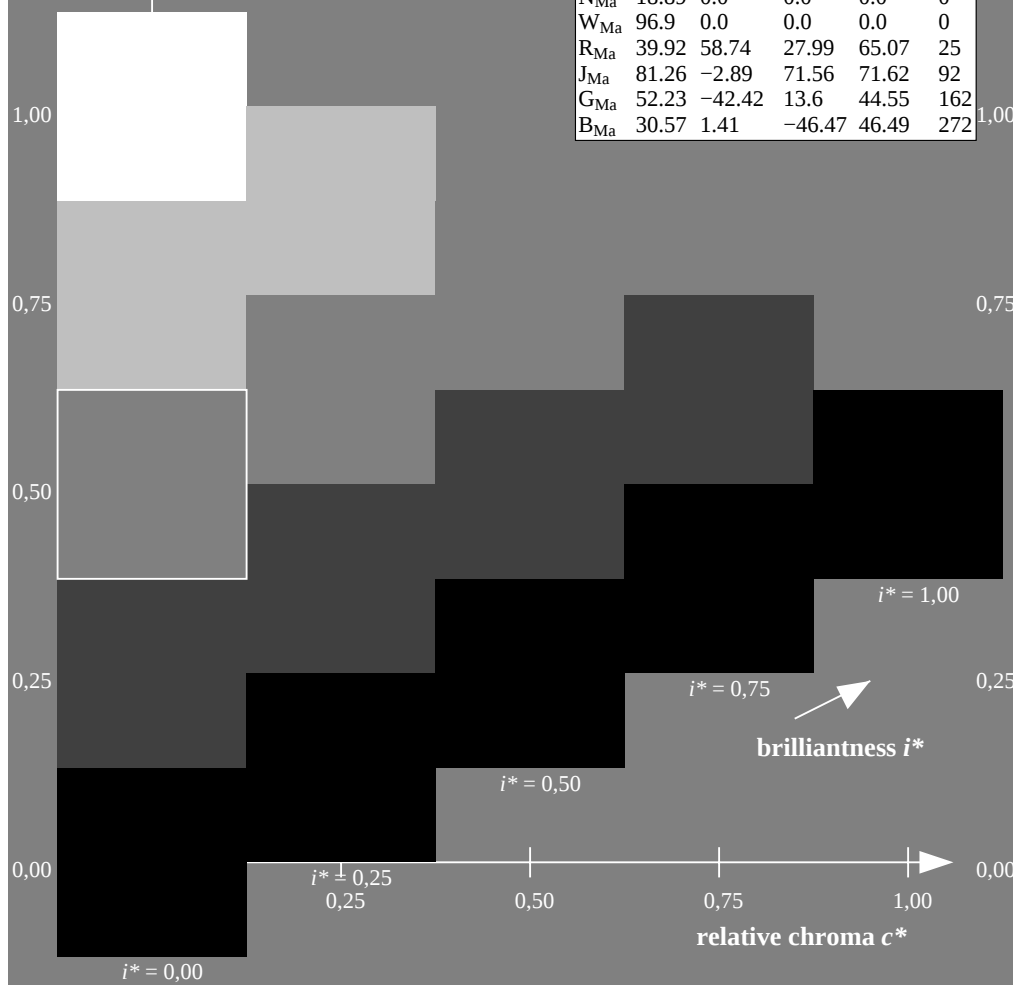
%Regularity

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

$g_{C,rel}^* = 57$

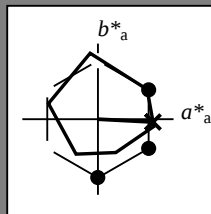
ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



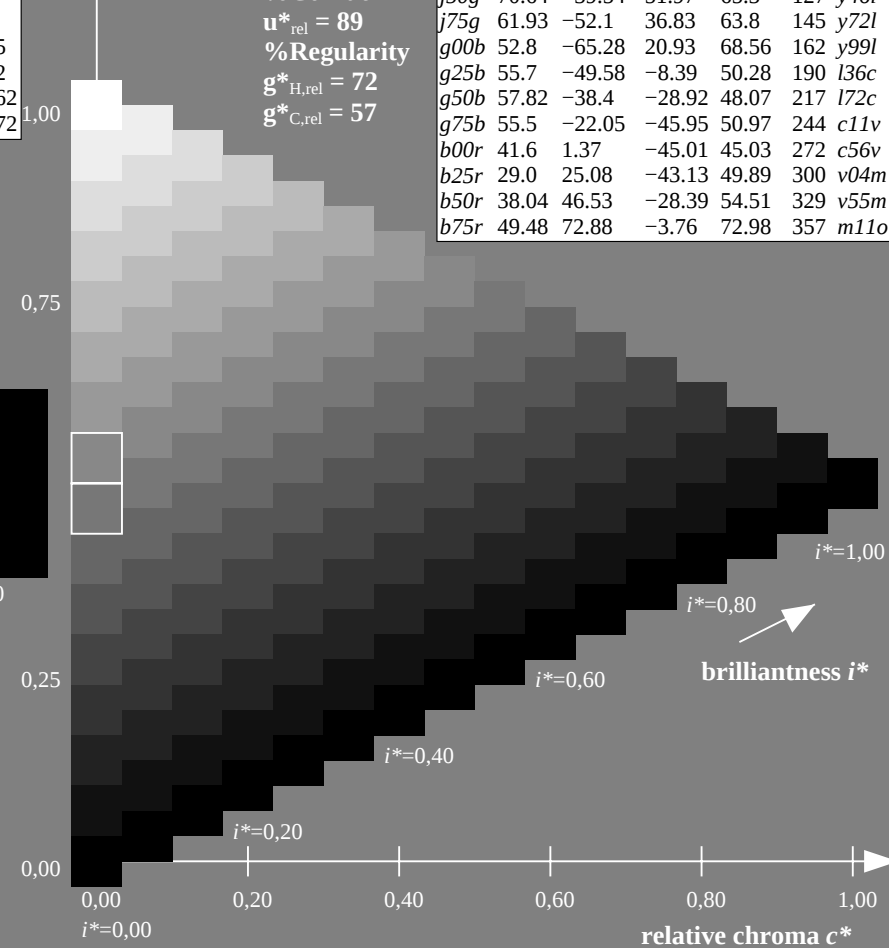
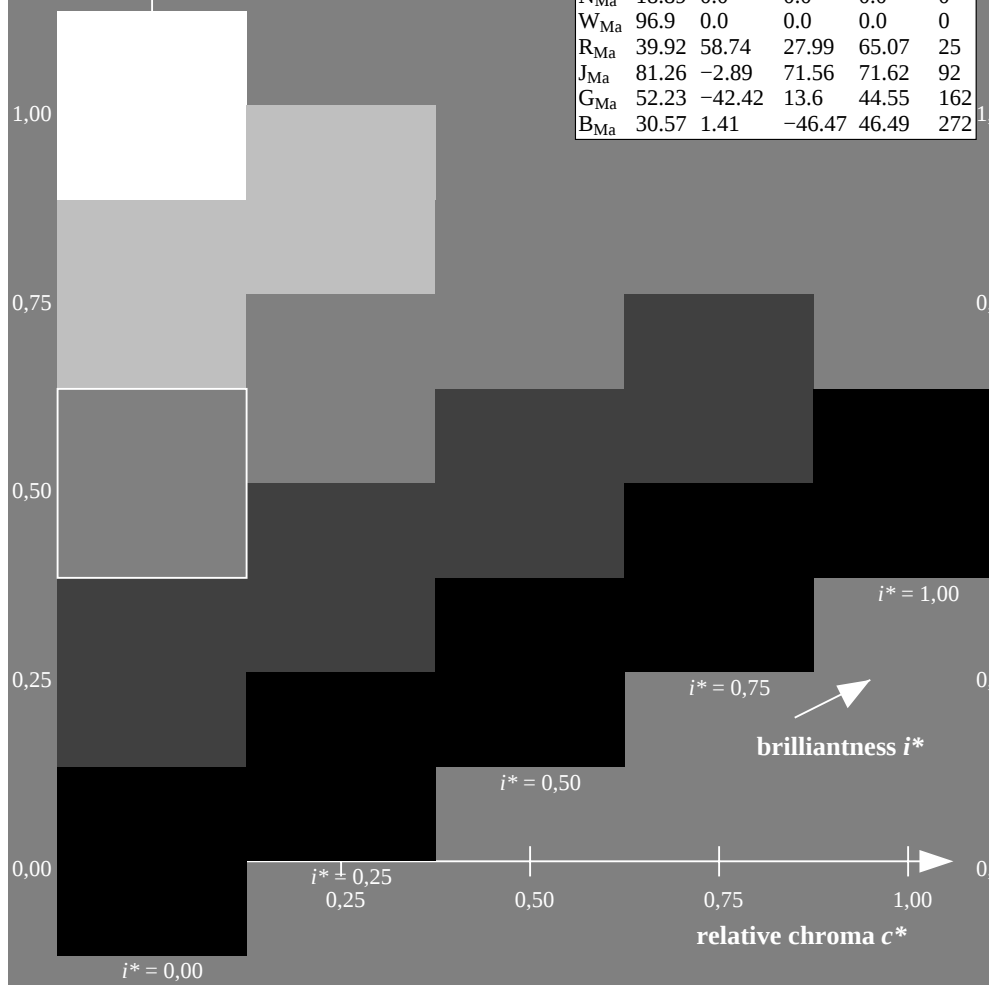
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -4
 $LAB^*LCH^*_{Ma}$: 49 73 357
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.5
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.89
triangle lightness t^*

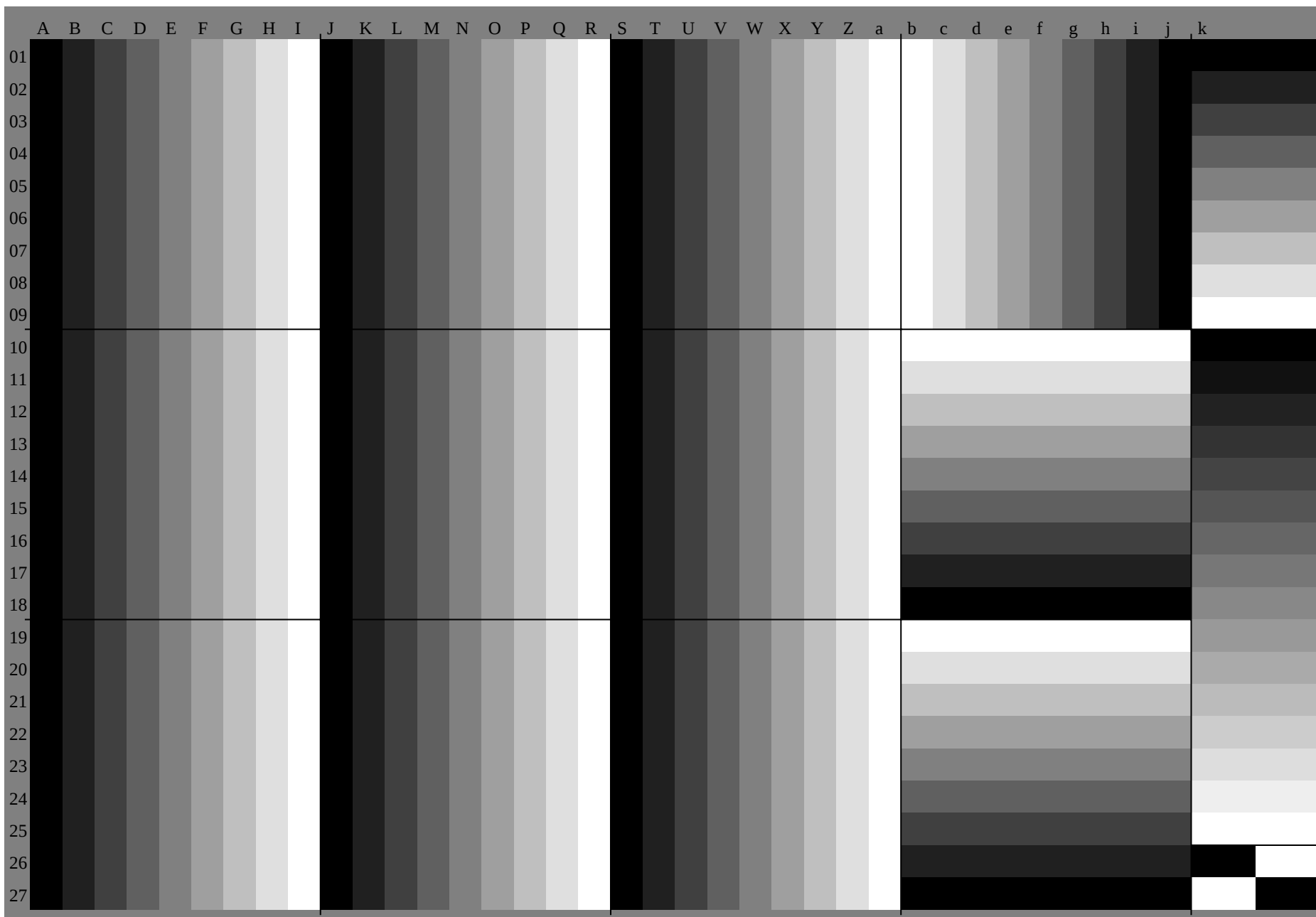
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee14/10L/L14E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

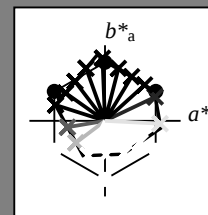


Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u_e^* and number *no.* = 00 .. 15
elementary hue text:
 $u_e^* = 16$ hues *r00j*, *r25j*, ..., *b75r*
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84o</i>
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>



%Gamut

$u_{rel}^* = 89$

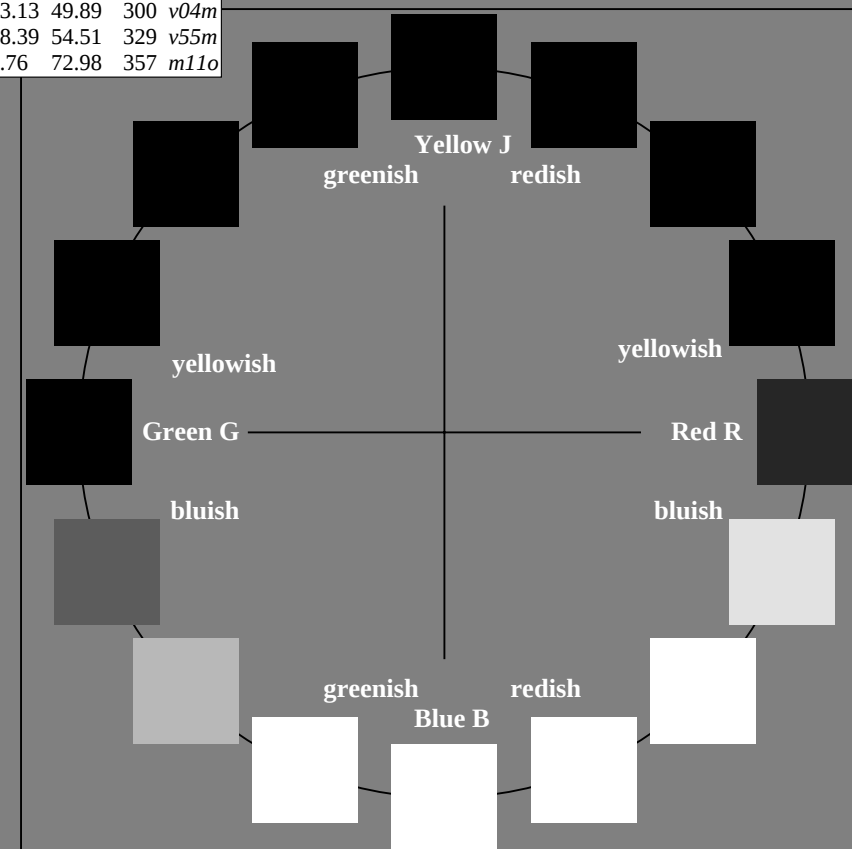
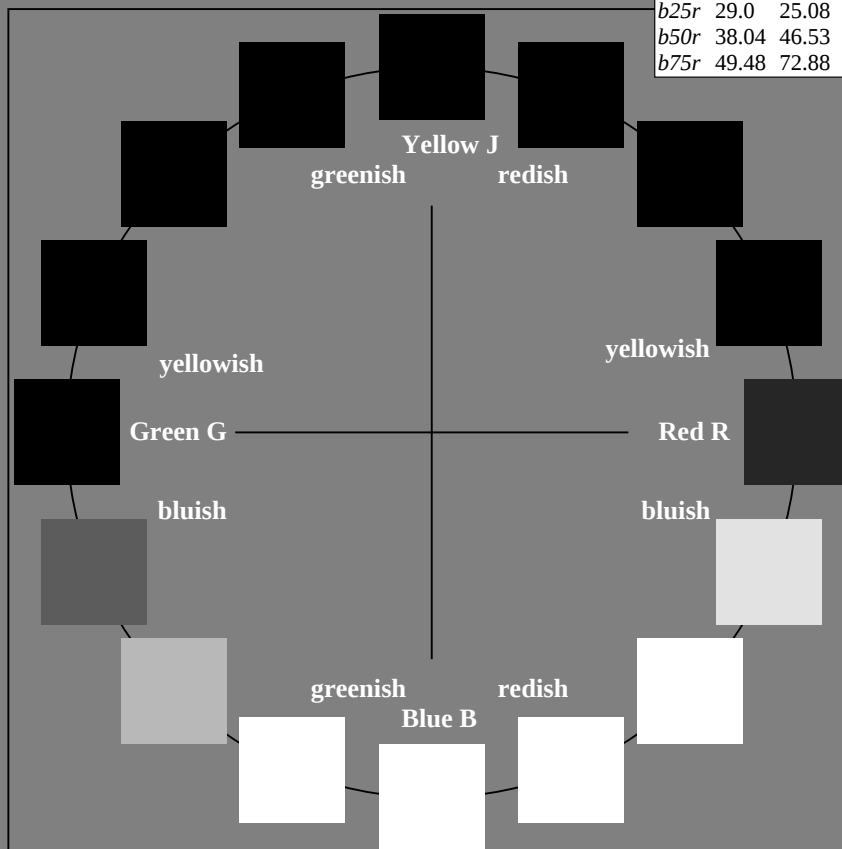
%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data

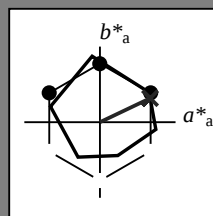
Name	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$
O _{Ma}	48.75	65.07	39.43	76.08	31
Y _{Ma}	90.92	-10.29	87.24	87.85	97
L _{Ma}	52.69	-65.44	20.75	68.65	162
C _{Ma}	59.61	-28.98	-46.22	54.56	238
V _{Ma}	28.39	23.63	-44.13	50.06	298
M _{Ma}	49.58	73.93	-9.56	74.55	353
N _{Ma}	18.89	0.0	0.0	0.0	0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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u_e^* = r00j$ $u_d^* = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



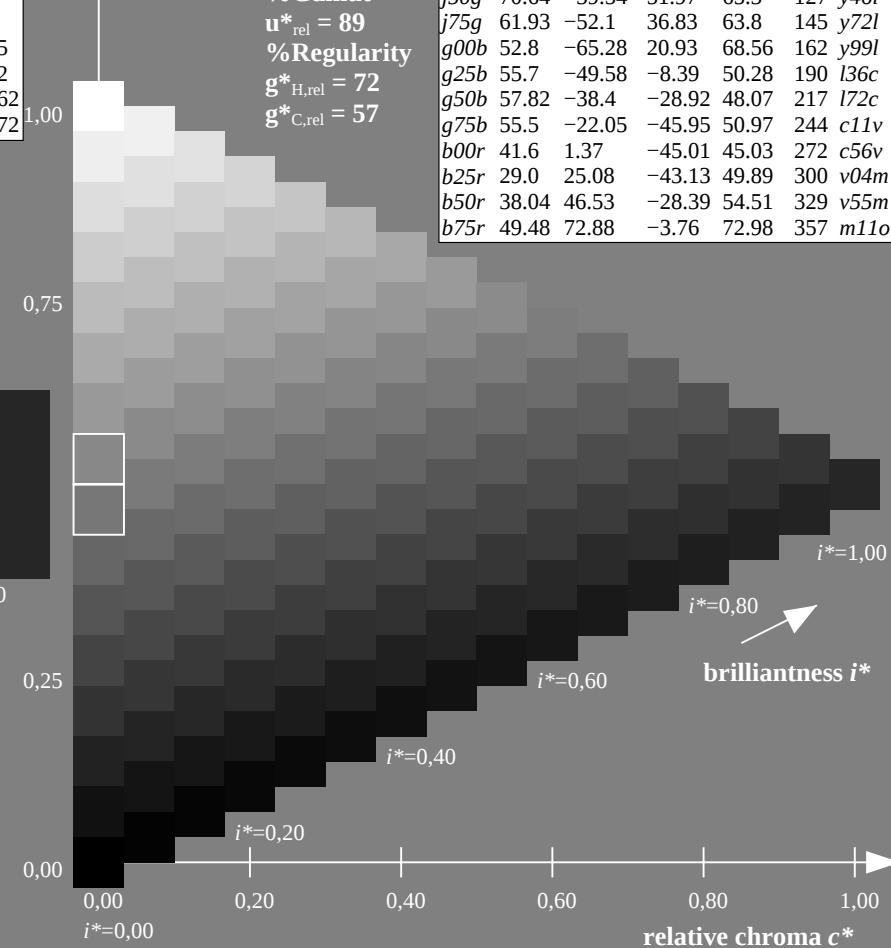
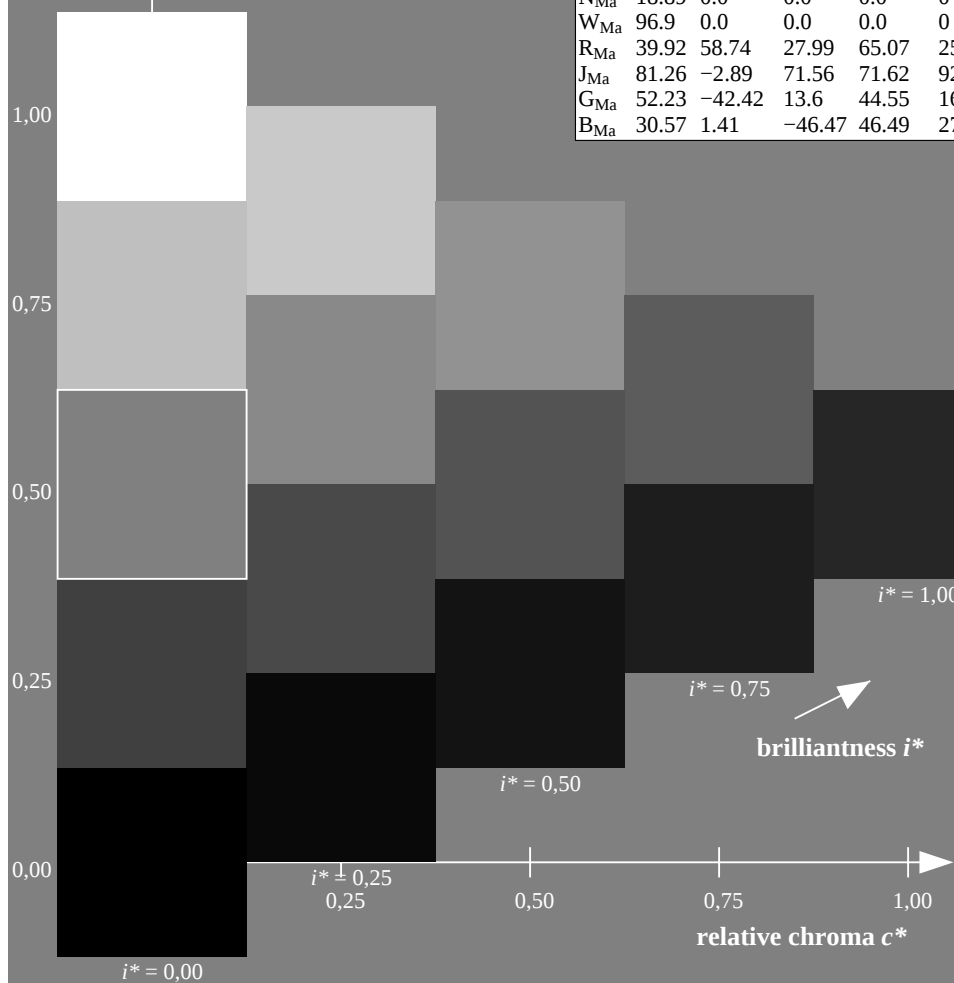
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 66 32
 $LAB^*LCH^*_{Ma}$: 49 74 25
 $lab^*rgb^*_{Ma}$: 1.0 0.0 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.0 0.15
triangle lightness t^*

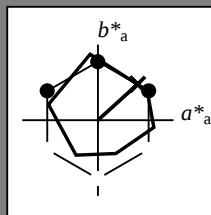
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



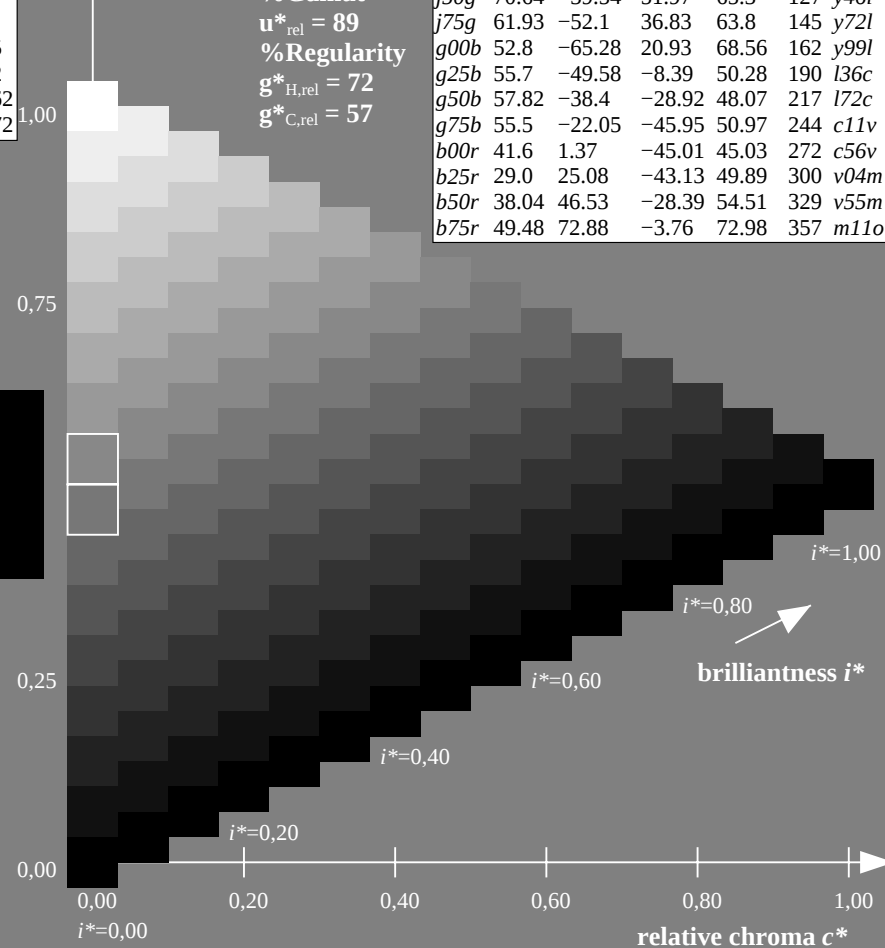
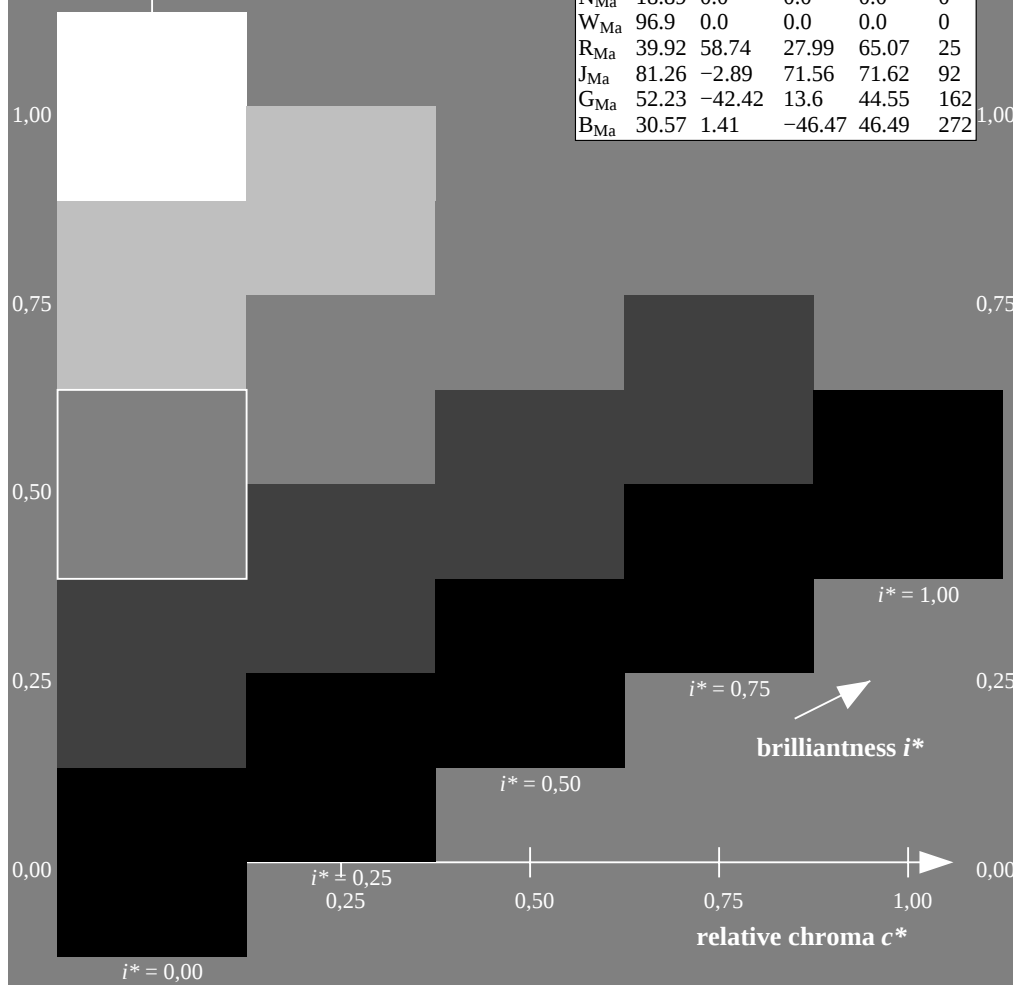
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 52 47
 $LAB^*LCH^*_{Ma}$: 56 71 42
 $lab^*rgb^*_{Ma}$: 1.0 0.25 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.17 0.0
triangle lightness t^*

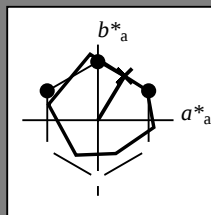
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r50j$ $u_d^* = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



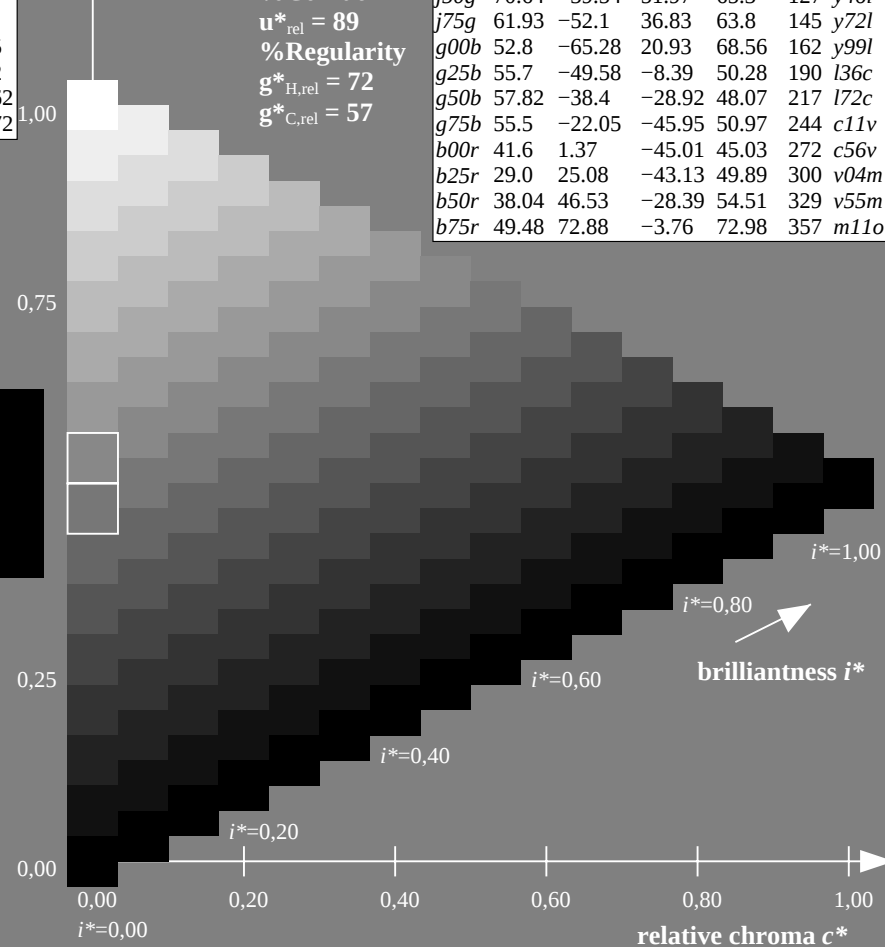
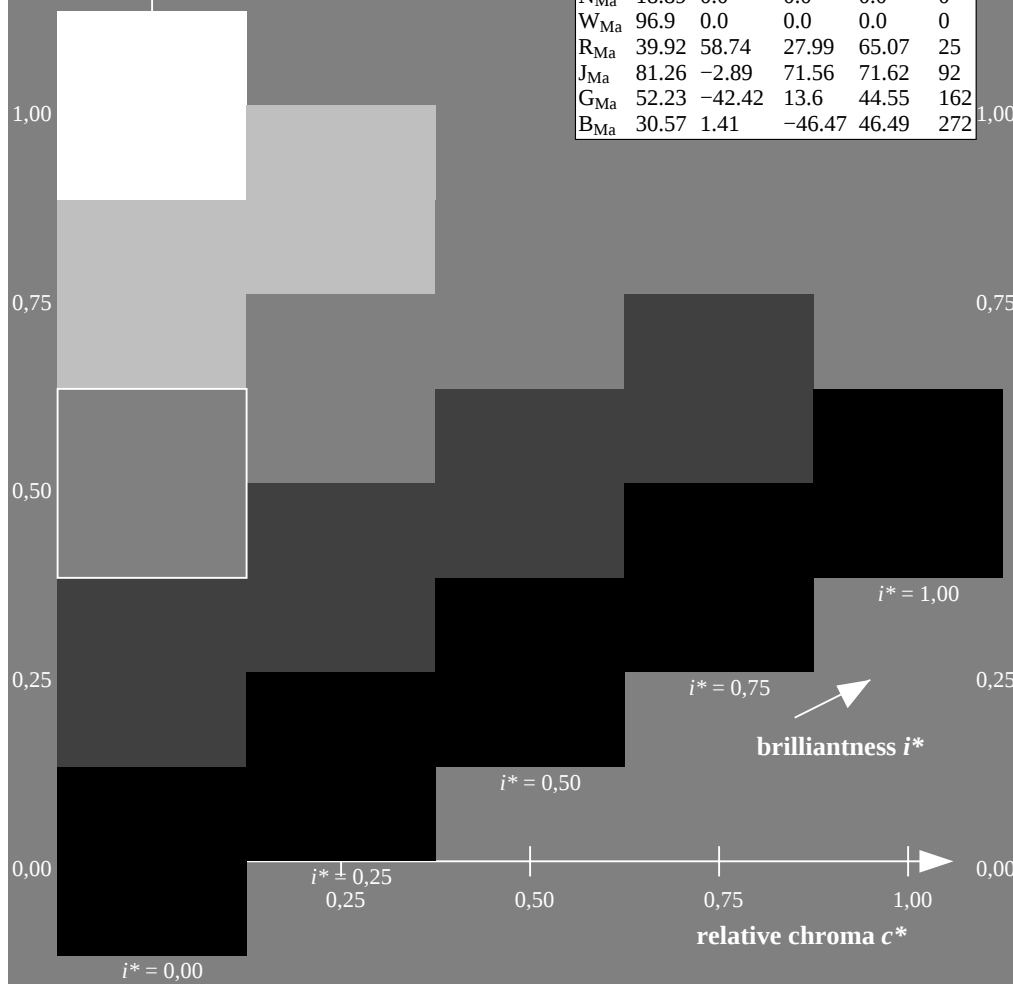
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 65 35 58
 $LAB^*LCH^*_{Ma}$: 65 68 58
 $lab^*rgb^*_{Ma}$: 1.0 0.5 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.42 0.0
triangle lightness t^*

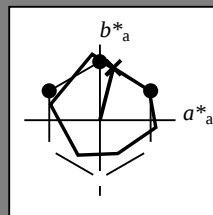
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 75 18 69

$LAB^*LCH^*_{Ma}$: 75 72 75

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

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

triangle lightness t^*

%Gamut

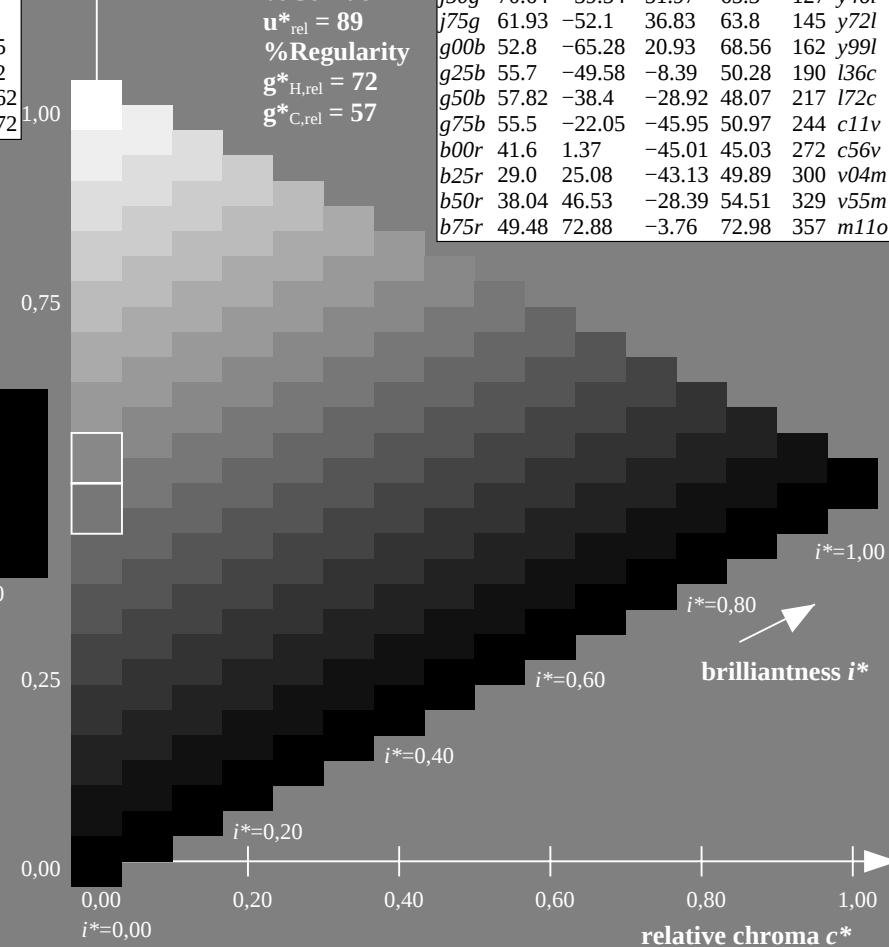
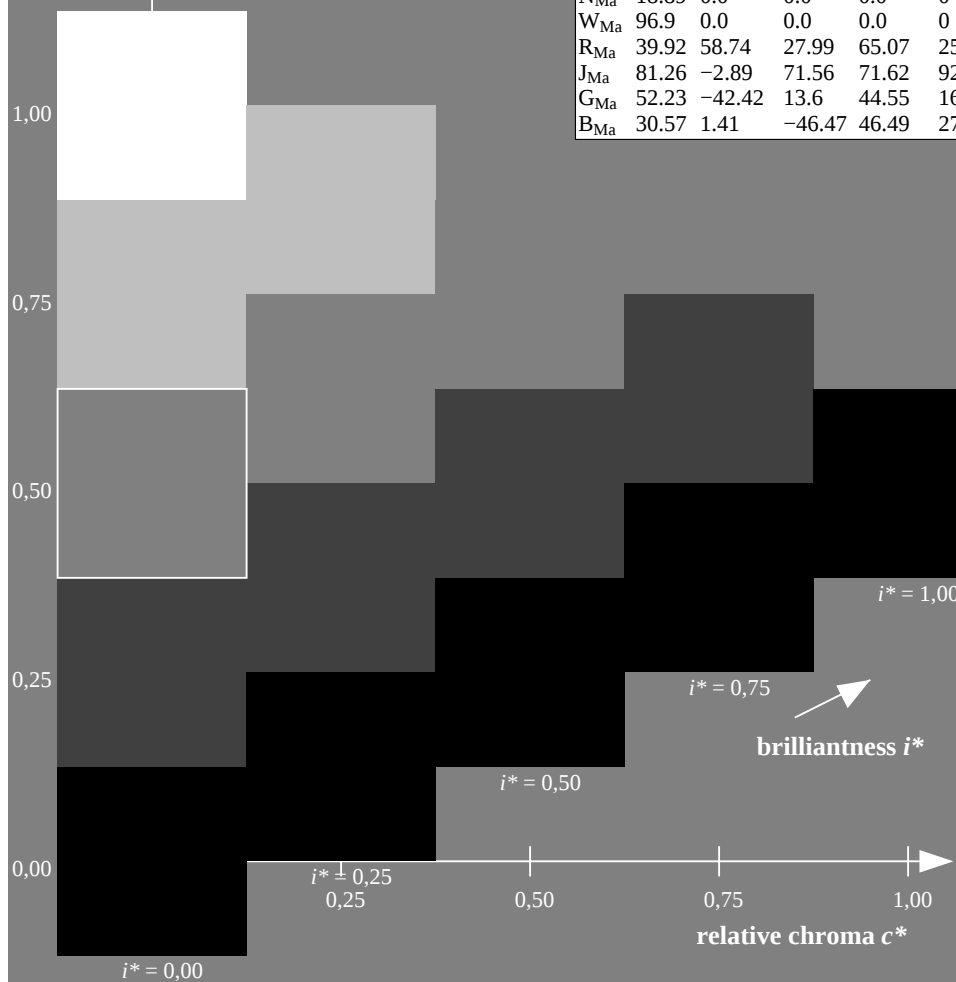
$u_{rel}^* = 89$

%Regularity

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

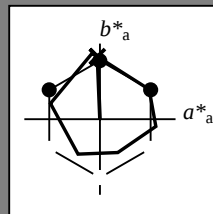
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j00g$ $u_d^* = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



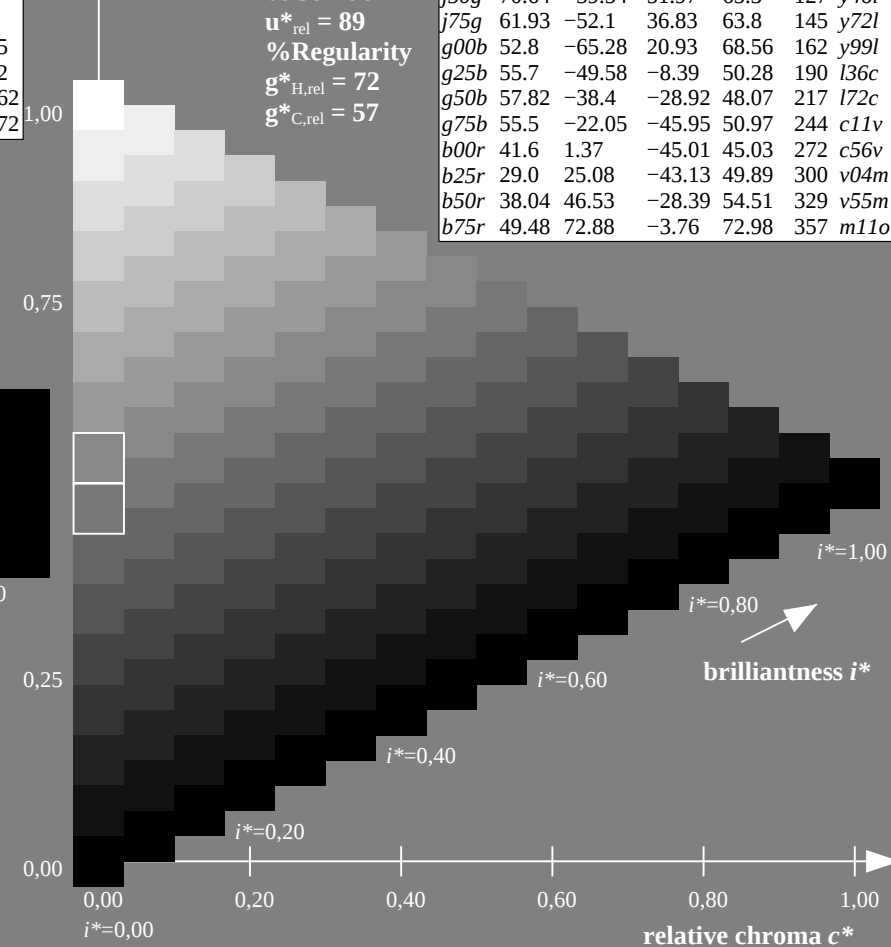
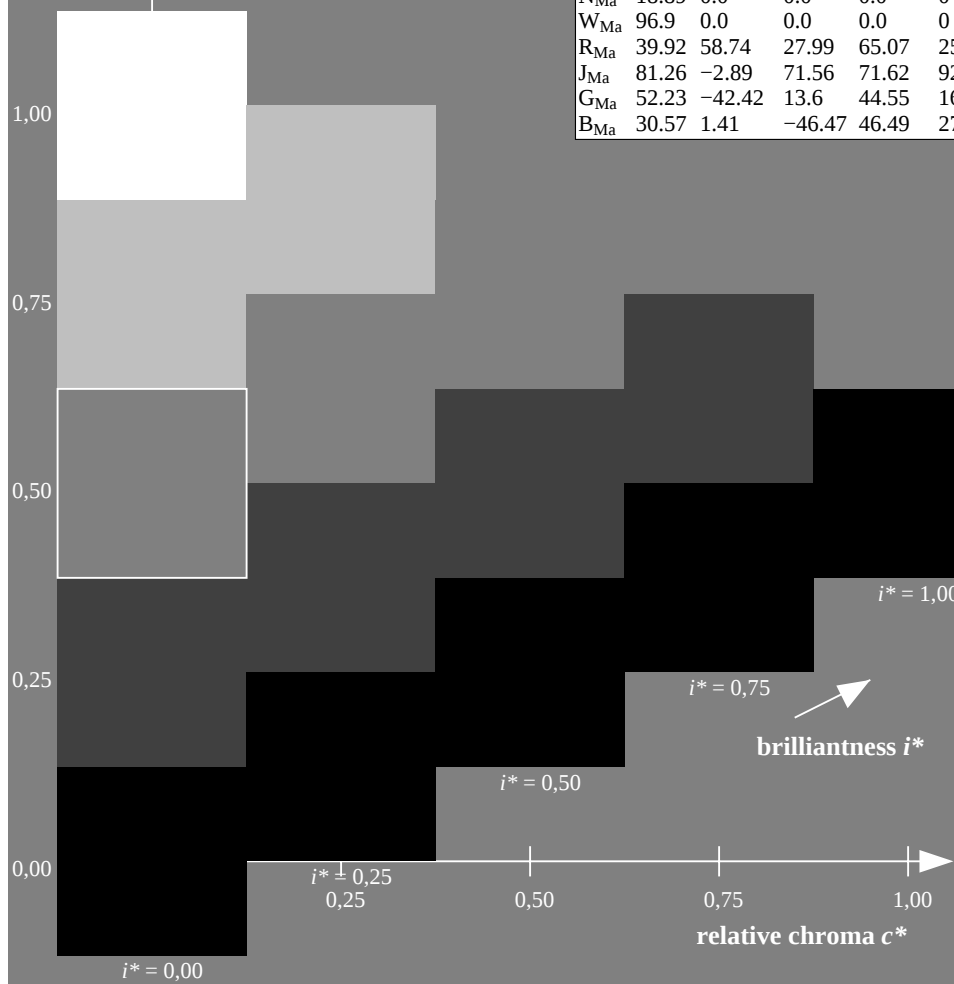
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -3 83
 $LAB^*LCH^*_{Ma}$: 87 83 92
 $lab^*rgb^*_{Ma}$: 1.0 1.0 0.0
 $lab^*olv^*_{Ma}$: 1.0 0.93 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

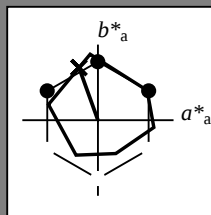
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -25 69

$LAB^*LCH^*_{Ma}$: 81 74 109

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

$lab^*olv^*_{Ma}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$

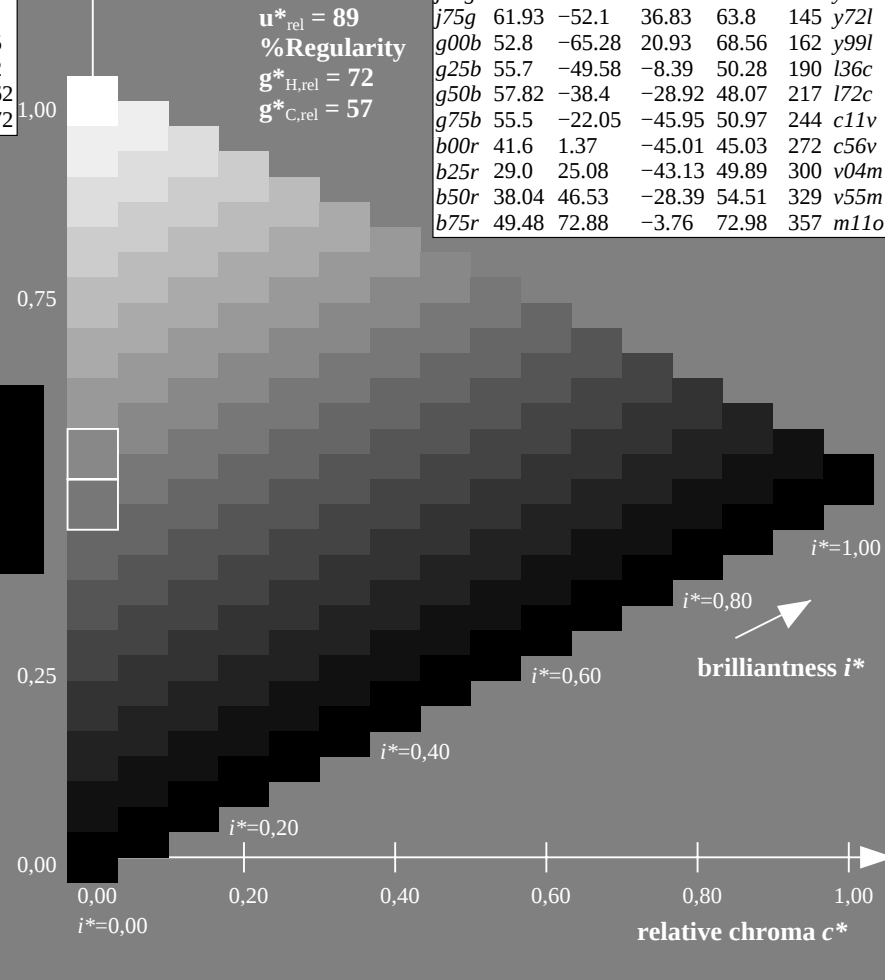
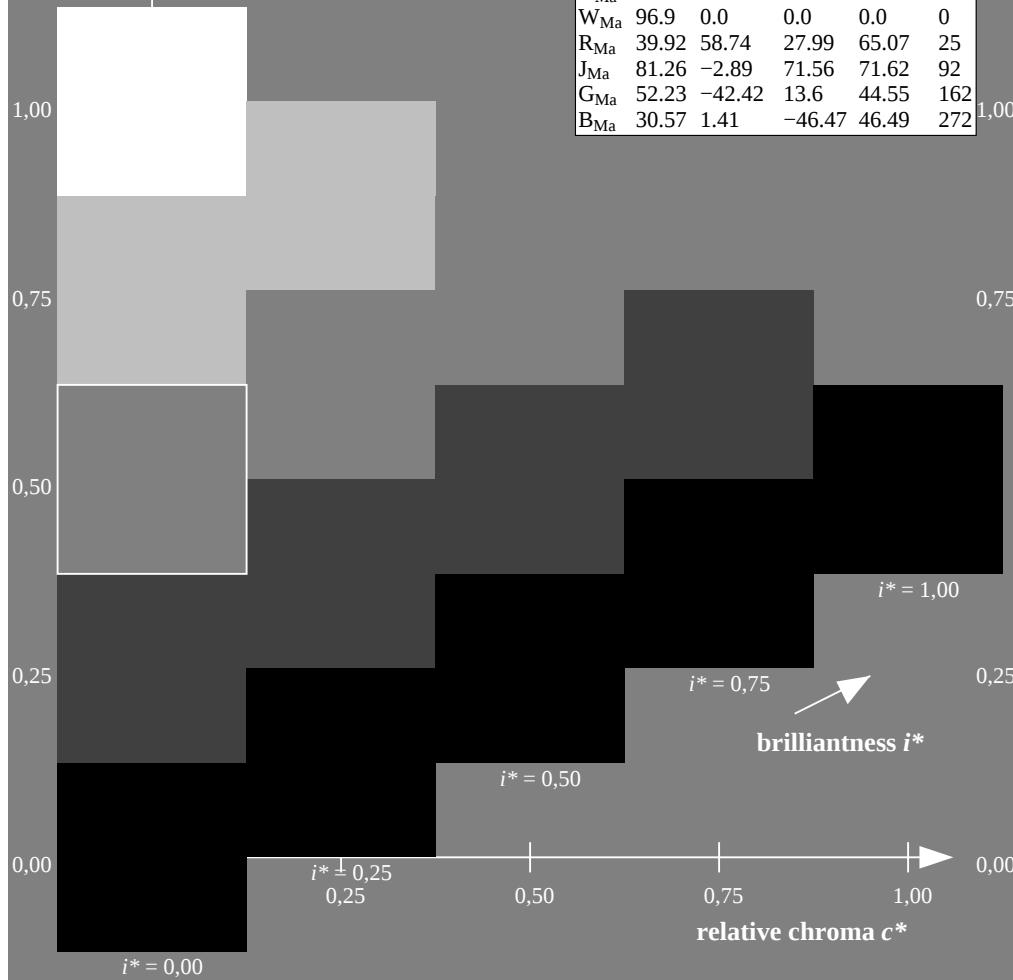
%Regularity

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

$g_{C,rel}^* = 57$

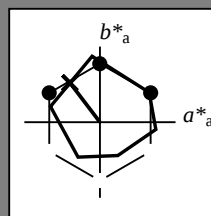
ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j50g$ $u_d^* = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -40 52

$LAB^*LCH^*_{Ma}$: 71 65 127

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

$lab^*olv^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

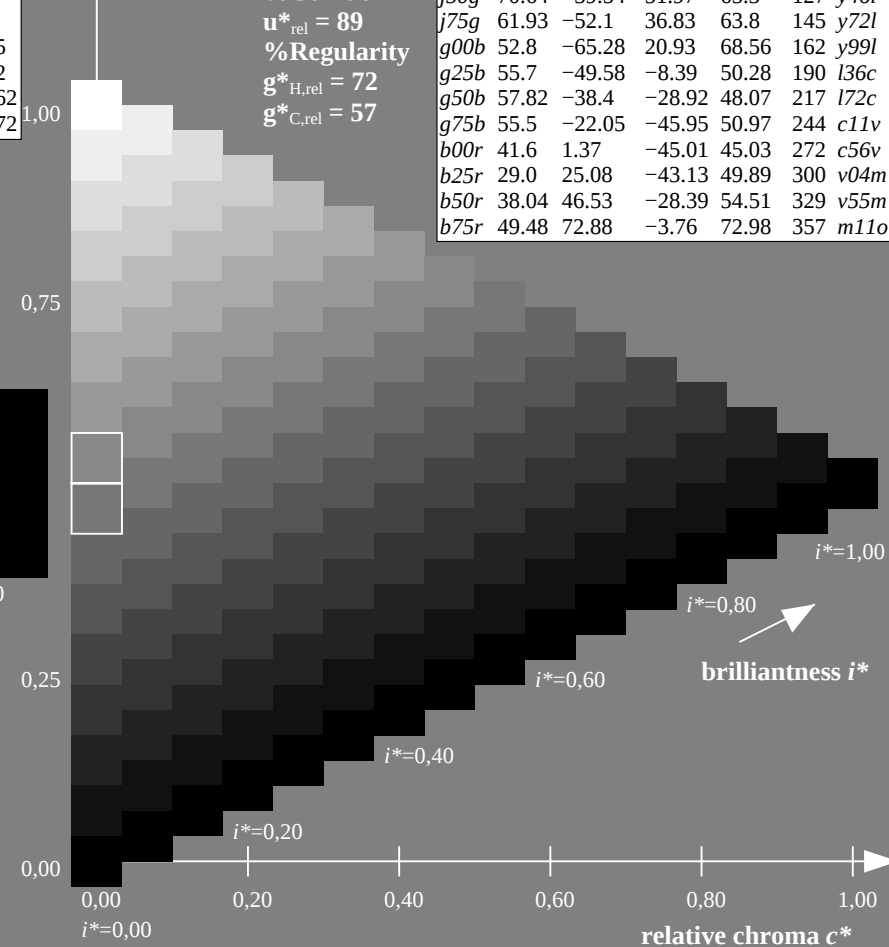
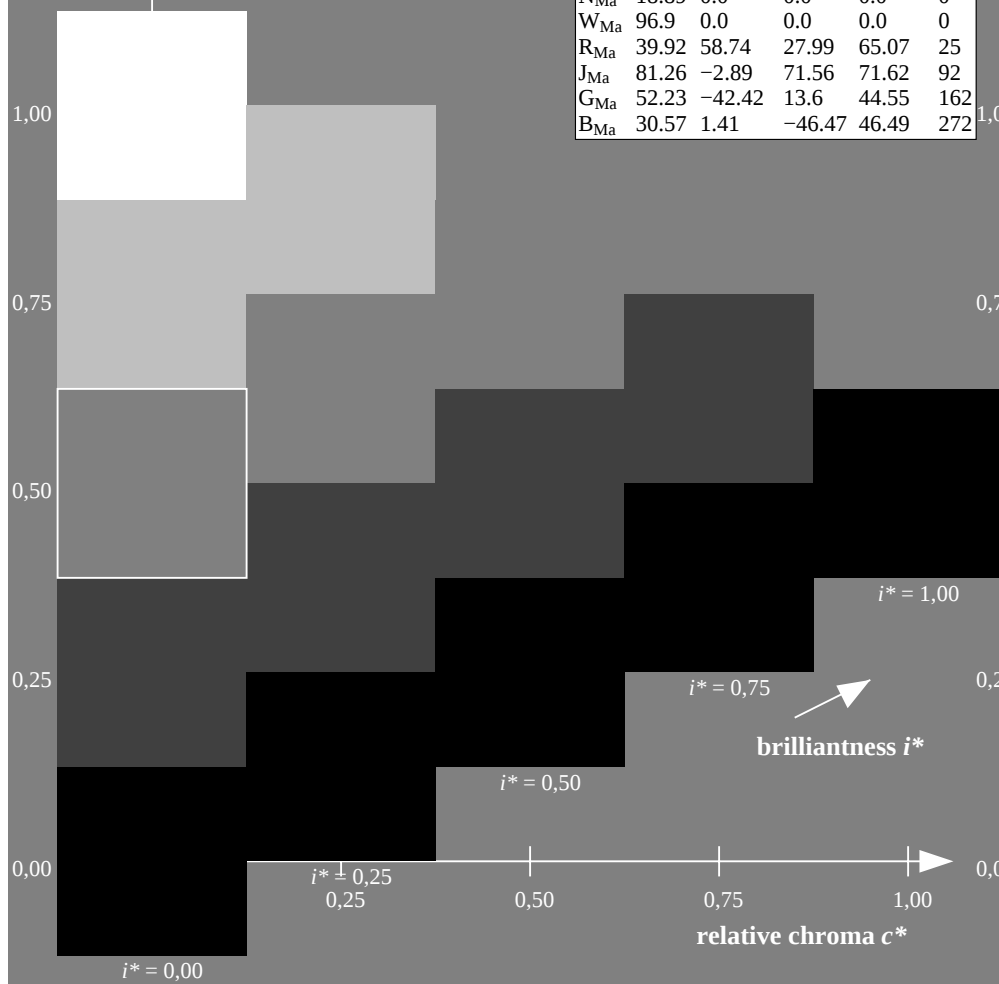
$u^*_{rel} = 89$

%Regularity

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

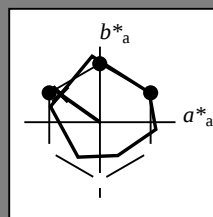
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j75g$ $u_d^* = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



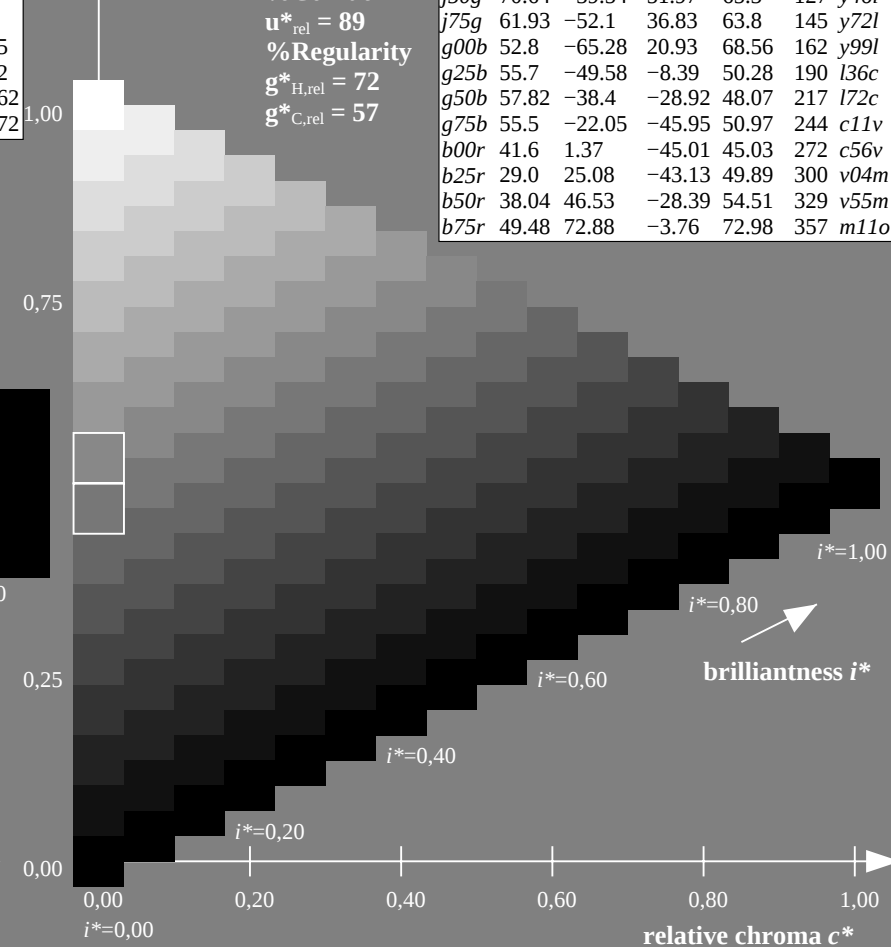
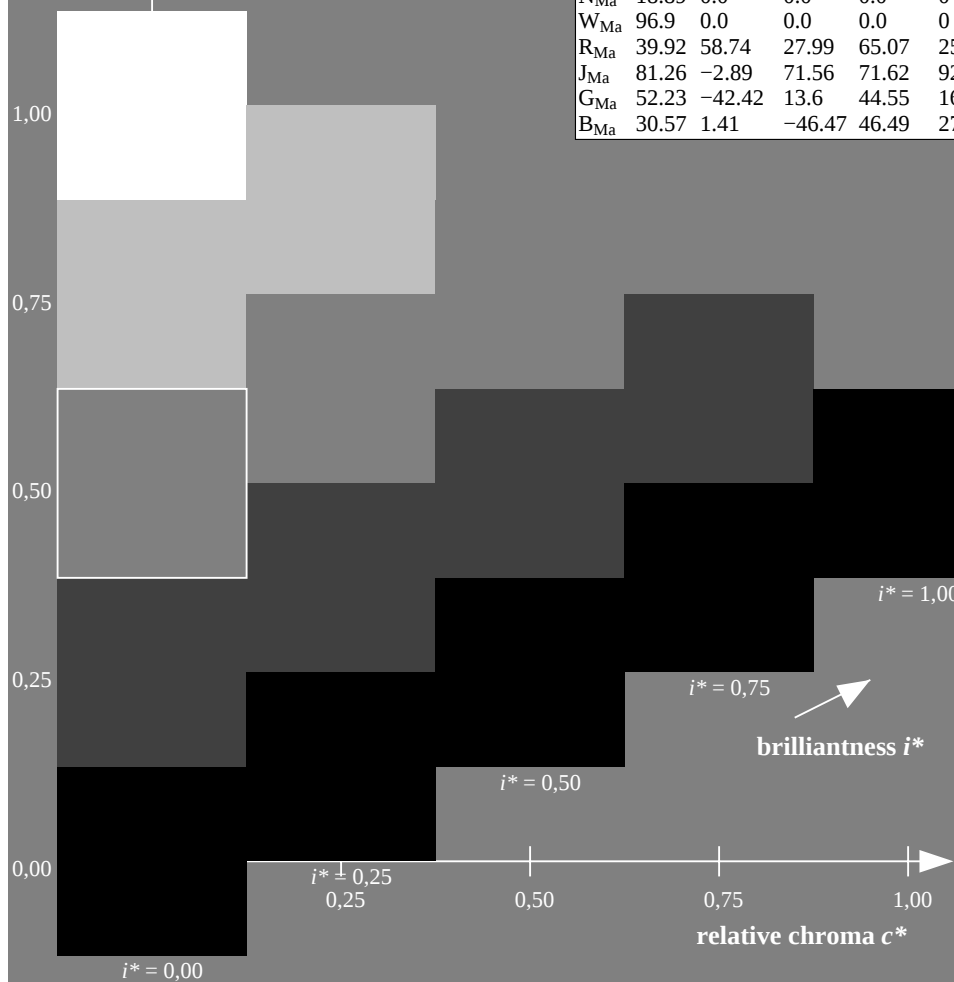
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 62 -52 37
 $LAB^*LCH^*_{Ma}$: 62 64 144
 $lab^*rgb^*_{Ma}$: 0.25 1.0 0.0
 $lab^*olv^*_{Ma}$: 0.27 1.0 0.0
triangle lightness t^*

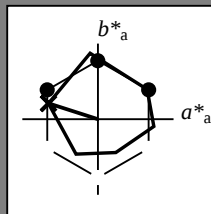
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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:
 $u_e^* = g00b$ $u_d^* = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

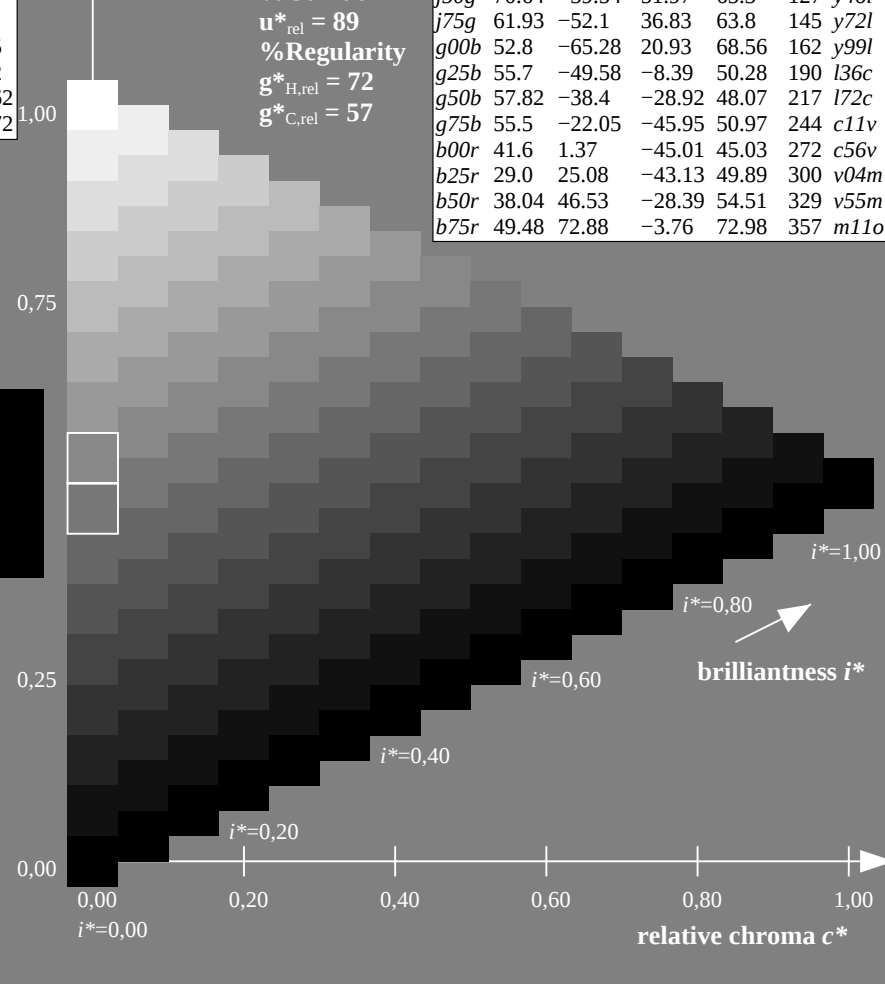
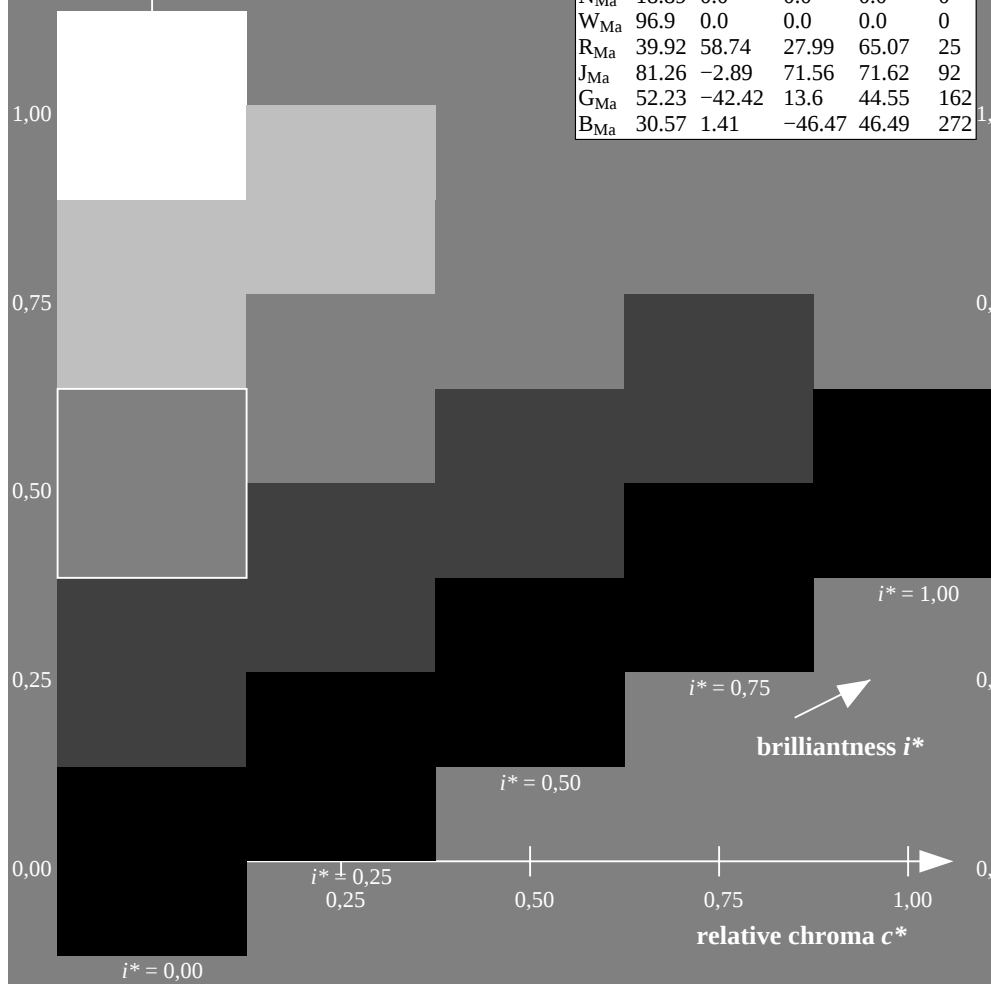
$u_{rel}^* = 89$

%Regularity

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

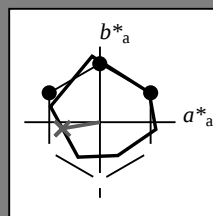
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



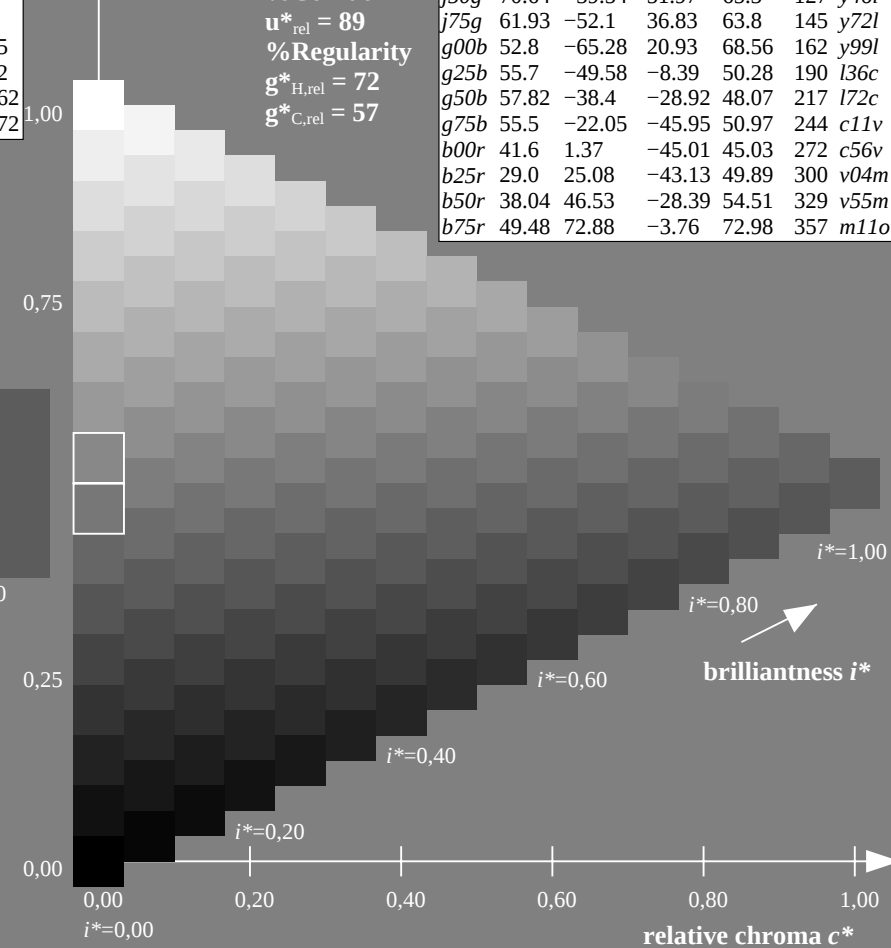
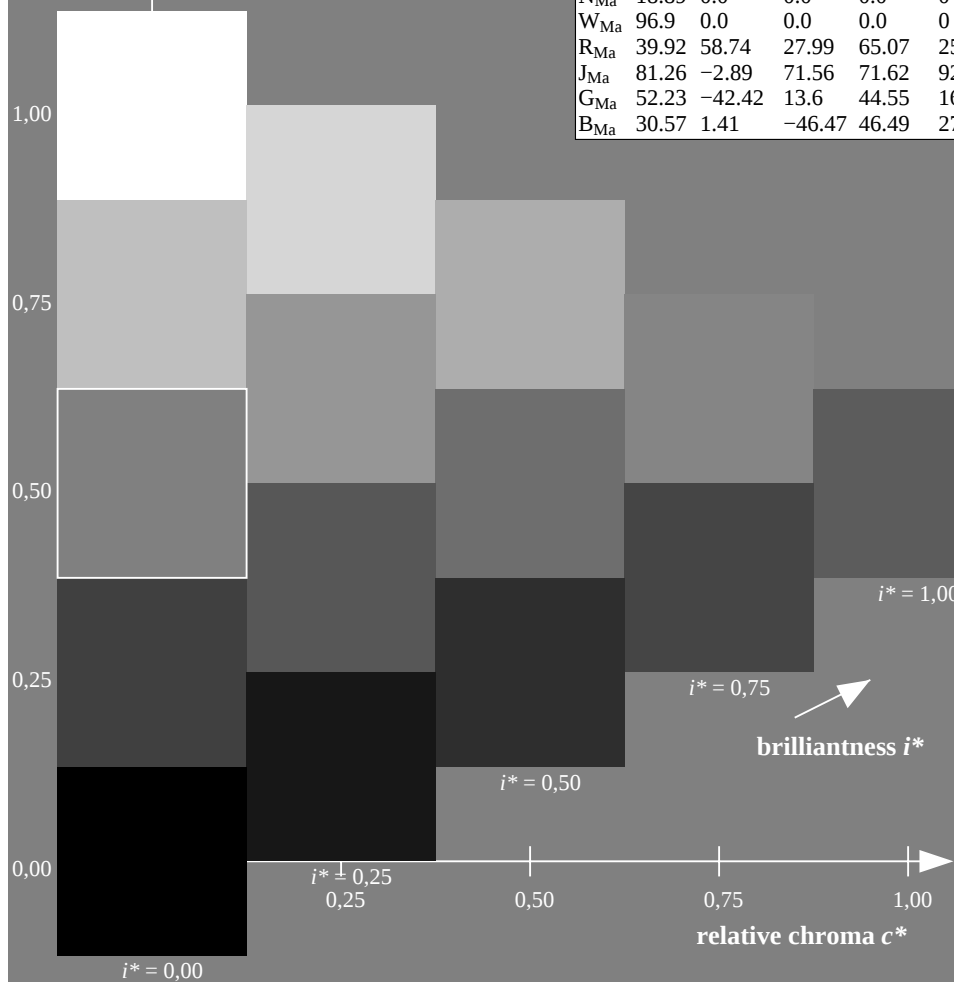
ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	90.92	-10.29	87.24	87.85	97	
L _{Ma}	52.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 -50 -8
 $LAB^*LCH^*_{Ma}$: 56 50 189
 $lab^*rgb^*_{Ma}$: 0.0 1.0 0.5
 $lab^*olv^*_{Ma}$: 0.0 1.0 0.36
triangle lightness t^*

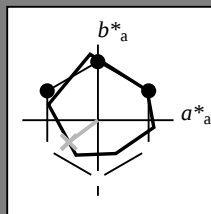
%Gamut
 $u_{rel}^* = 89$
%Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g50b$ $u_d^* = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

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

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

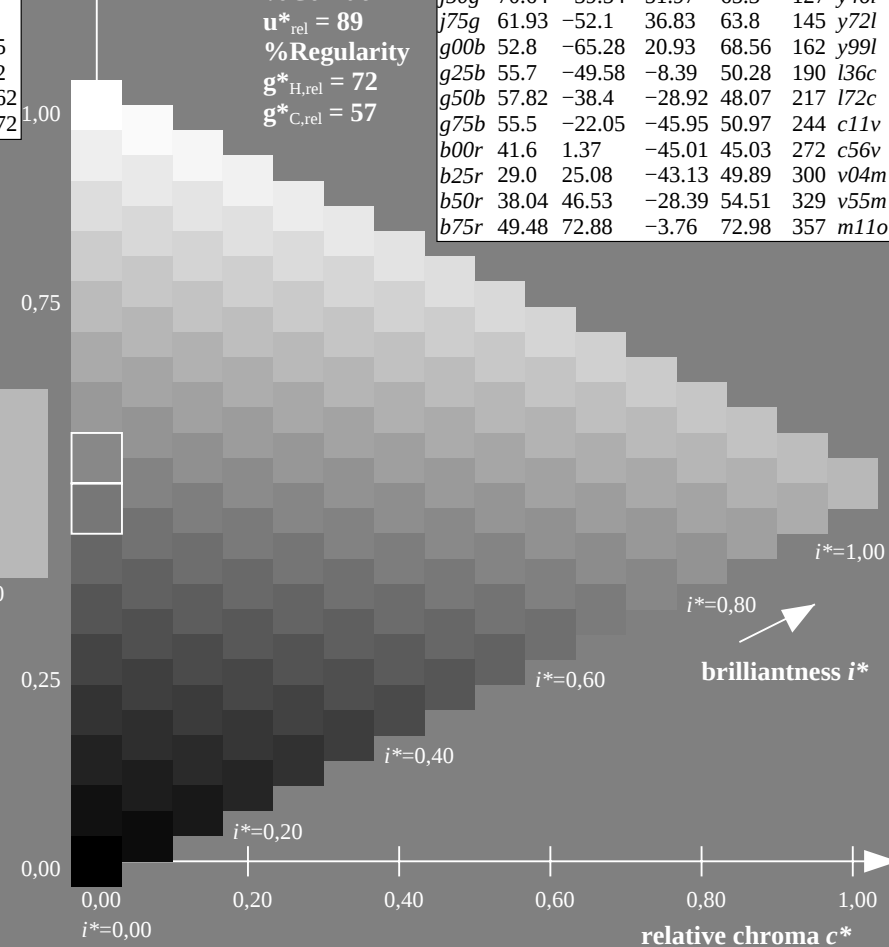
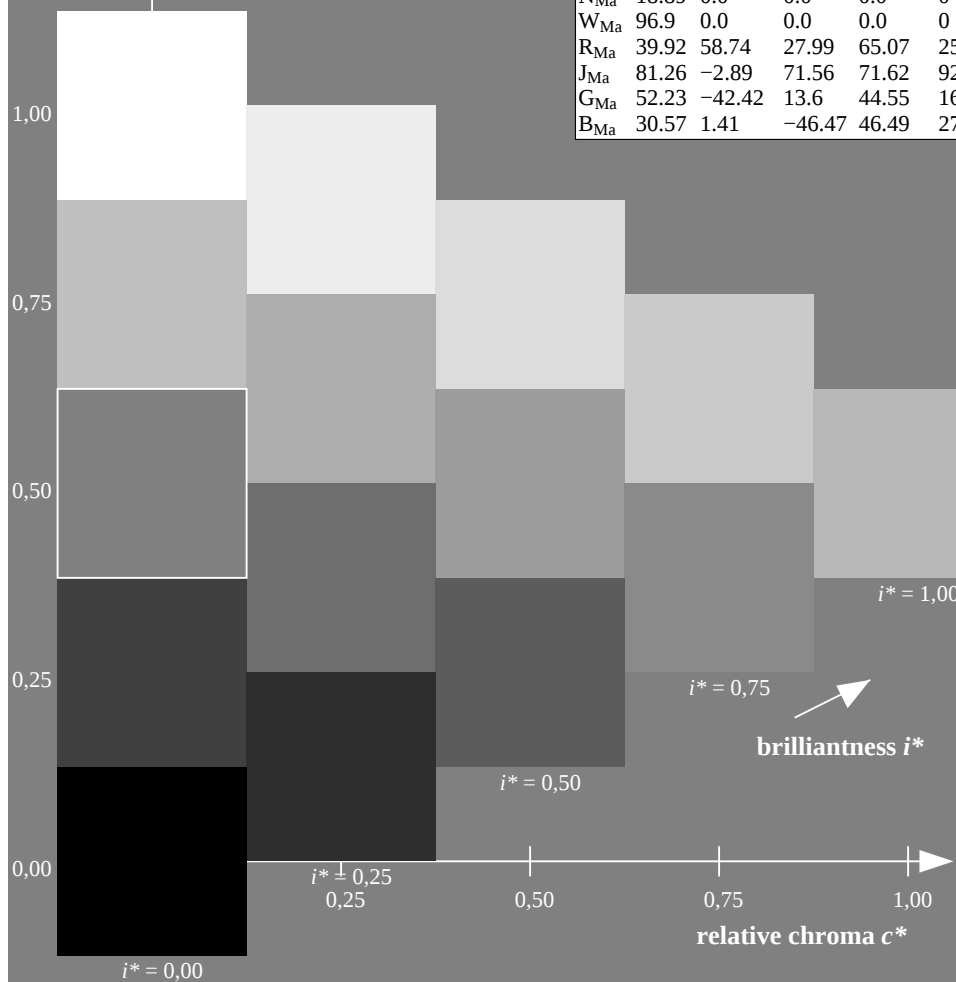
$u_{rel}^* = 89$

%Regularity

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

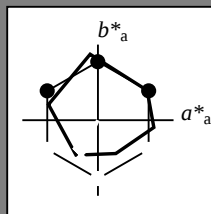
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

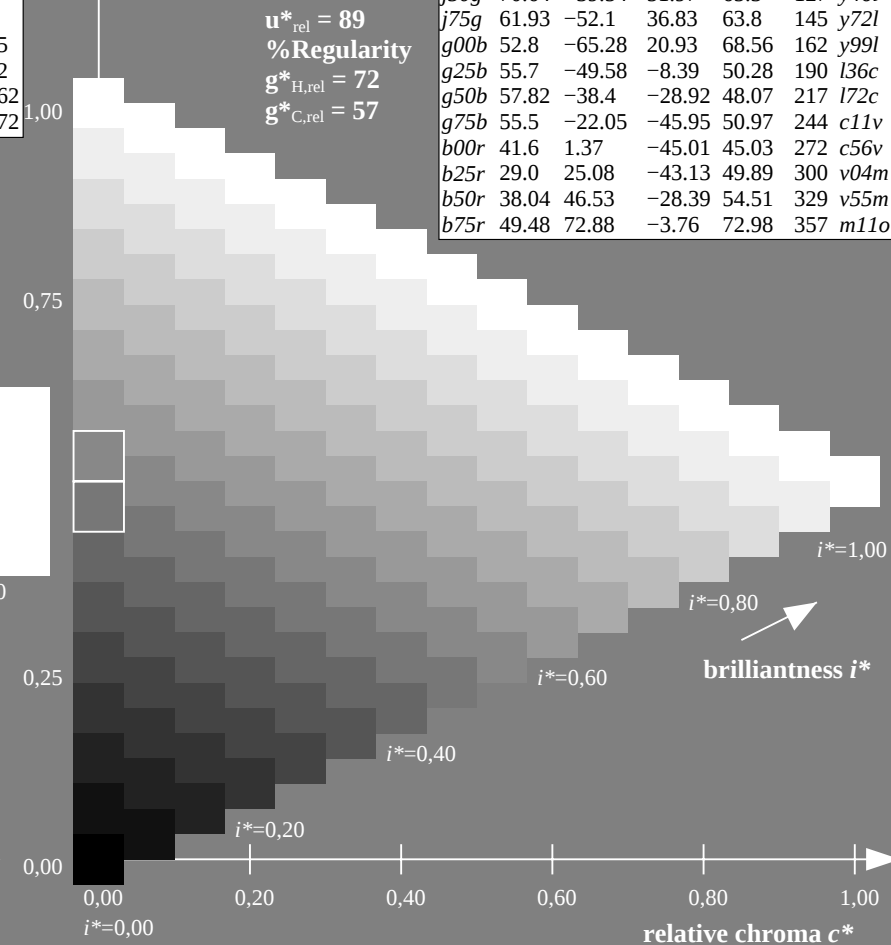
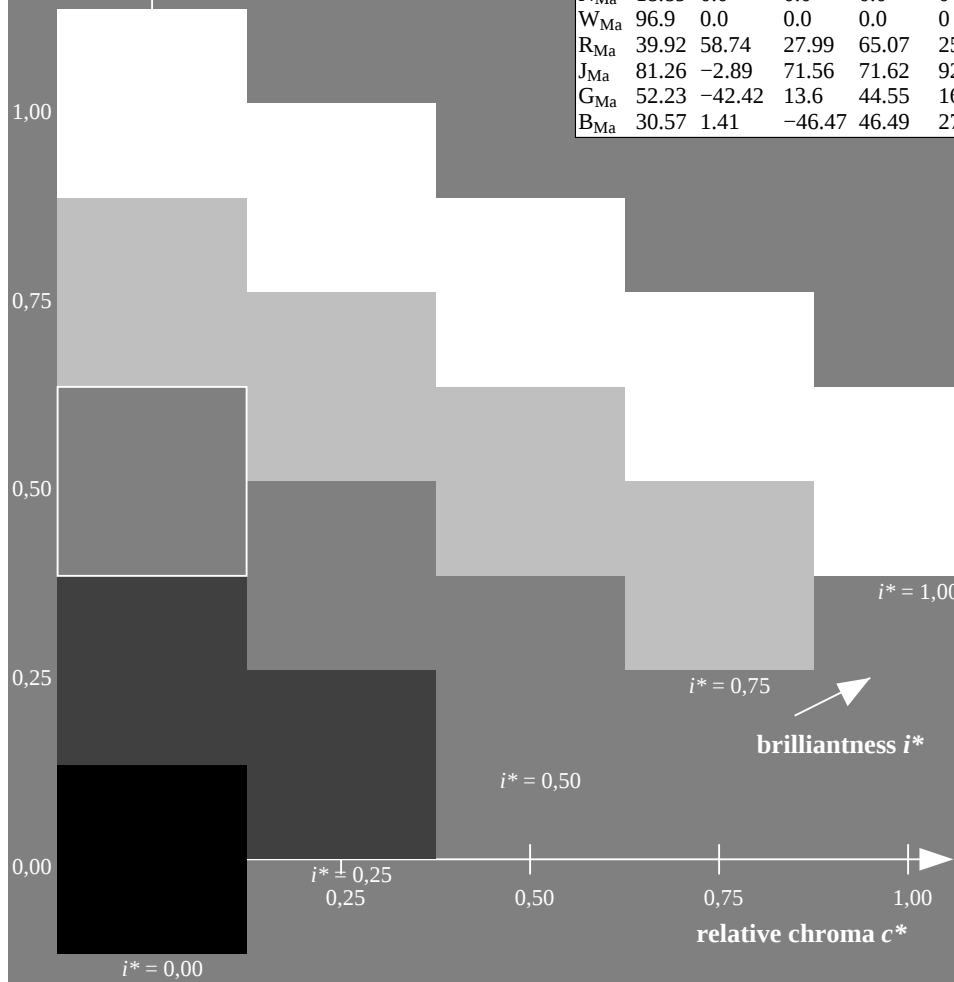
$u_{\text{rel}}^* = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

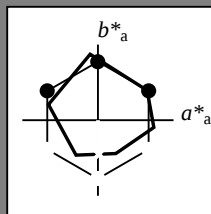
Hue texts:

$u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 42 1 -45

$LAB^*LCH^*_{Ma}$: 42 45 271

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

$lab^*olv^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

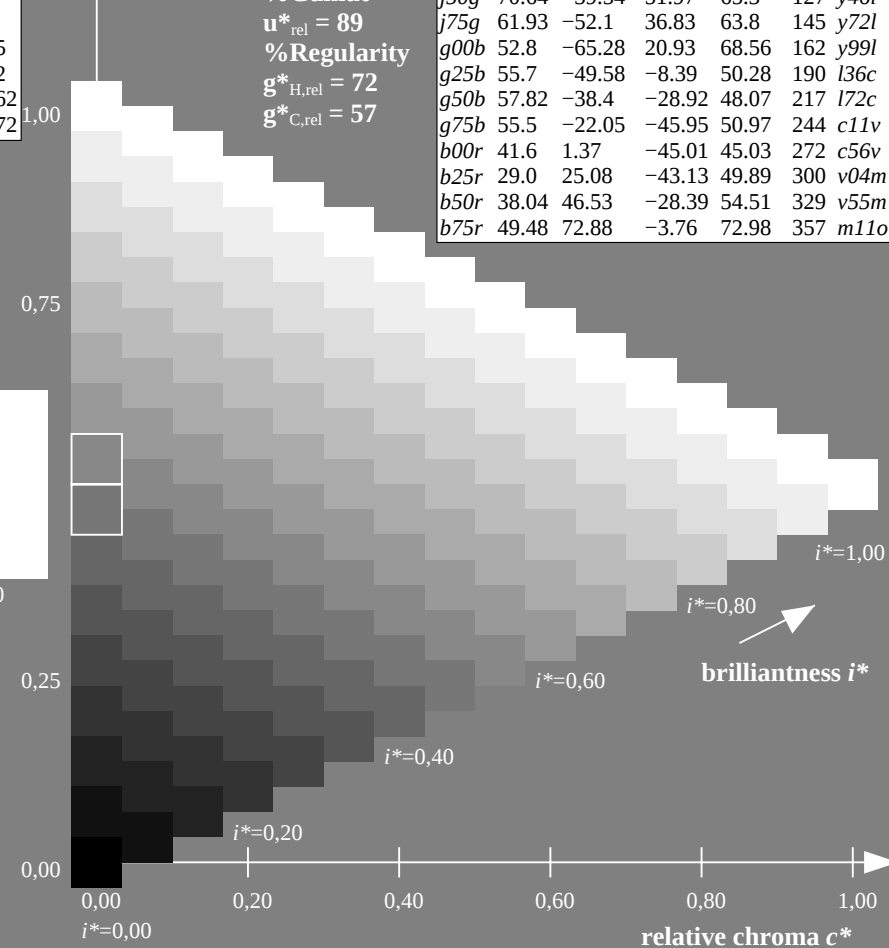
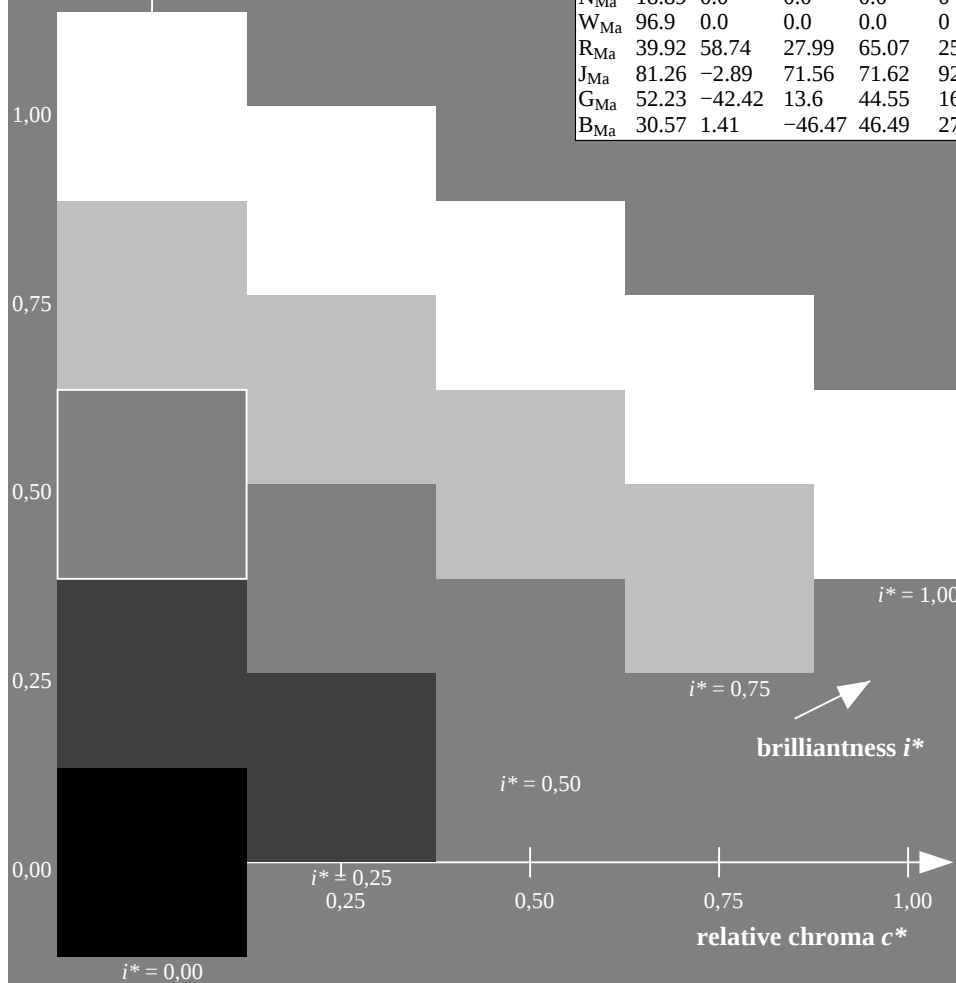
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data

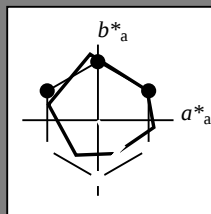
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b00r$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b25r$ $u_d^* = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 29 25 -43

$LAB^*LCH^*_{Ma}$: 29 50 300

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

$lab^*olv^*_{Ma}$: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

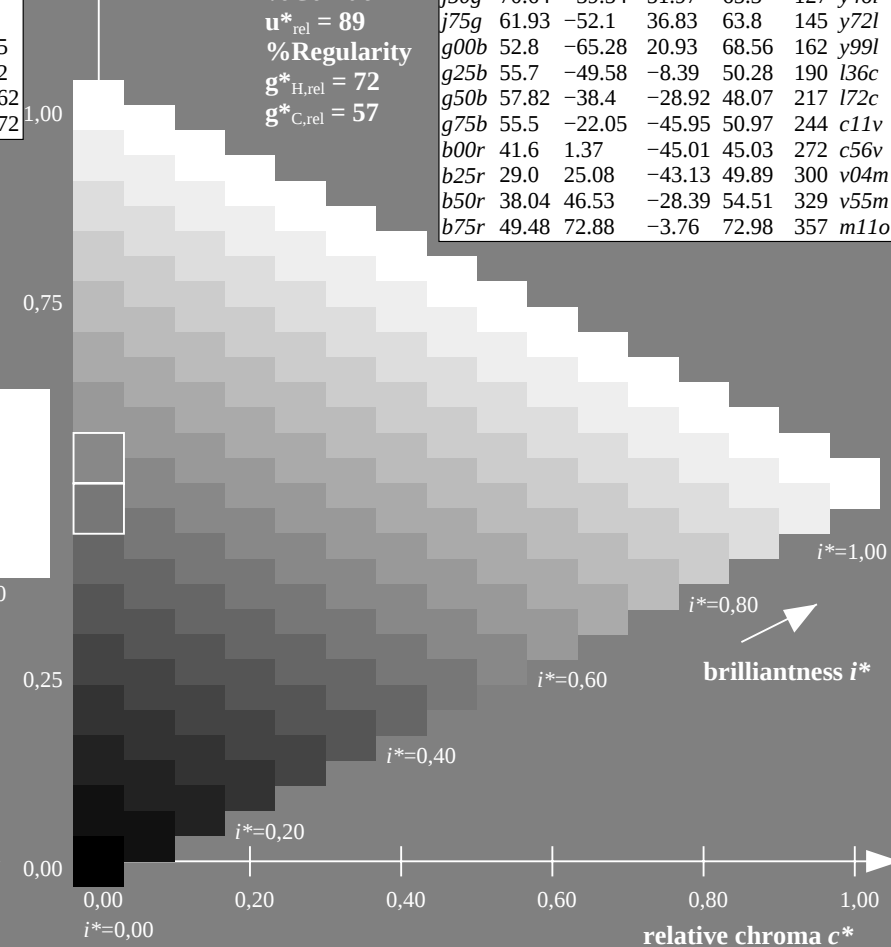
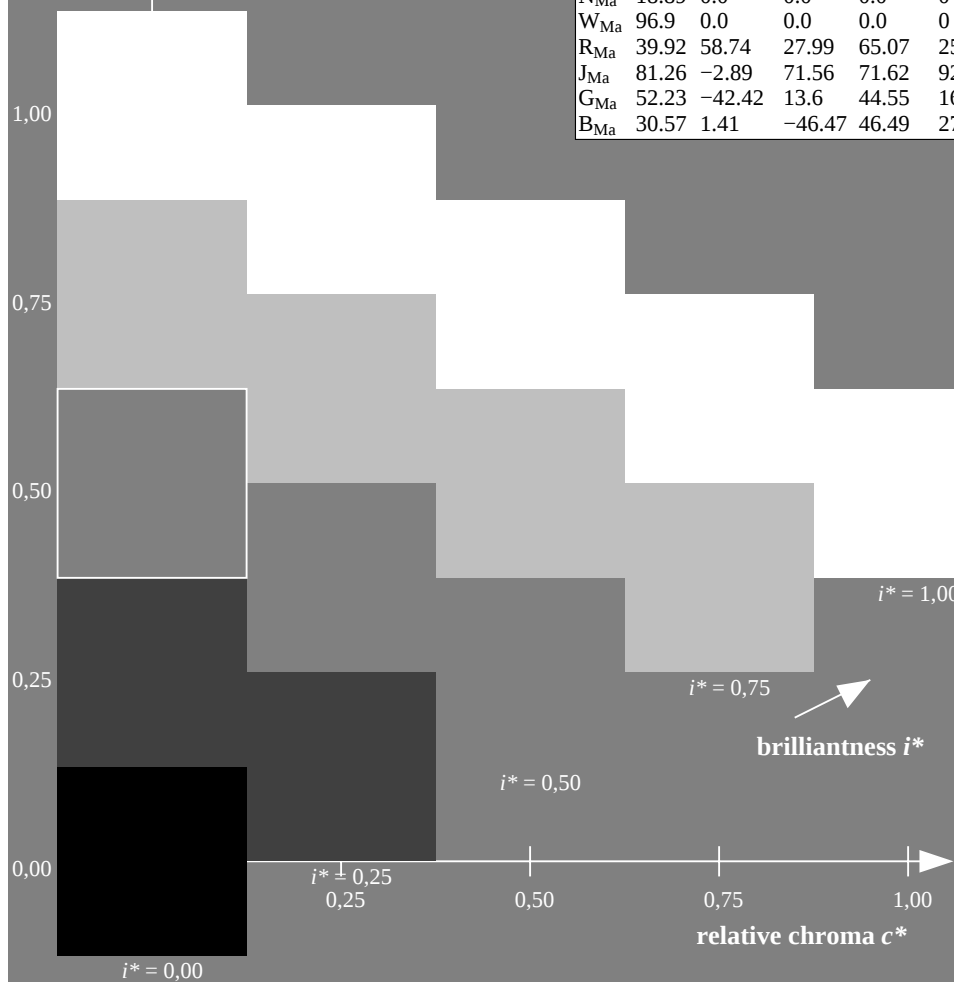
$u_{rel}^* = 89$

%Regularity

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

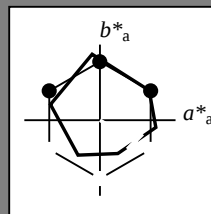
$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v55m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

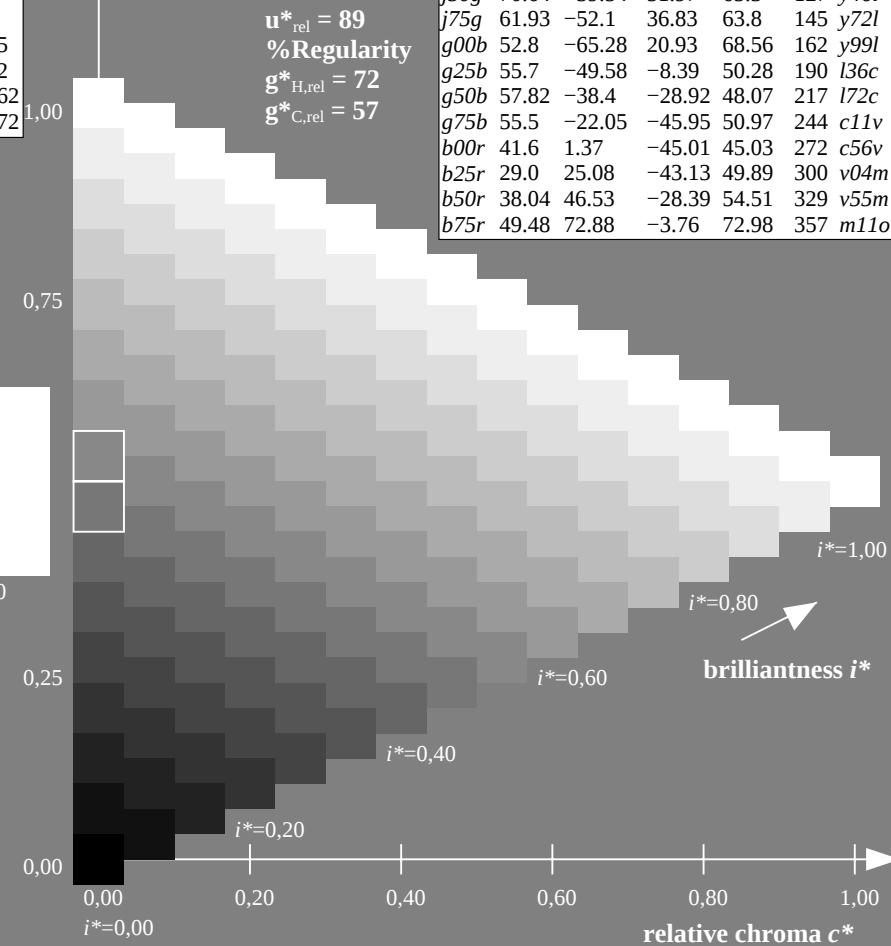
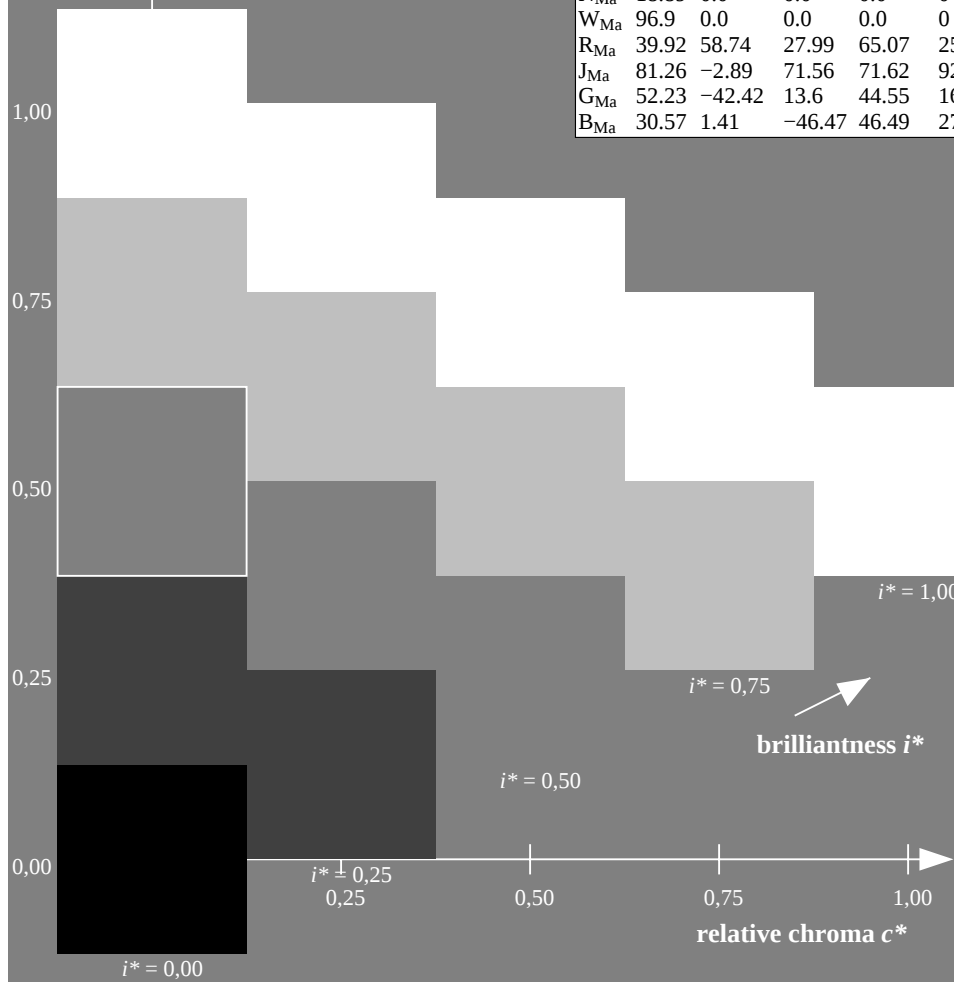
$u_{\text{rel}}^* = 89$

%Regularity

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

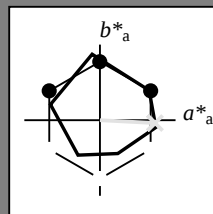
$g_{C,\text{rel}}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 73 -4

$LAB^*LCH^*_{Ma}$: 49 73 357

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

$lab^*olv^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

%Gamut

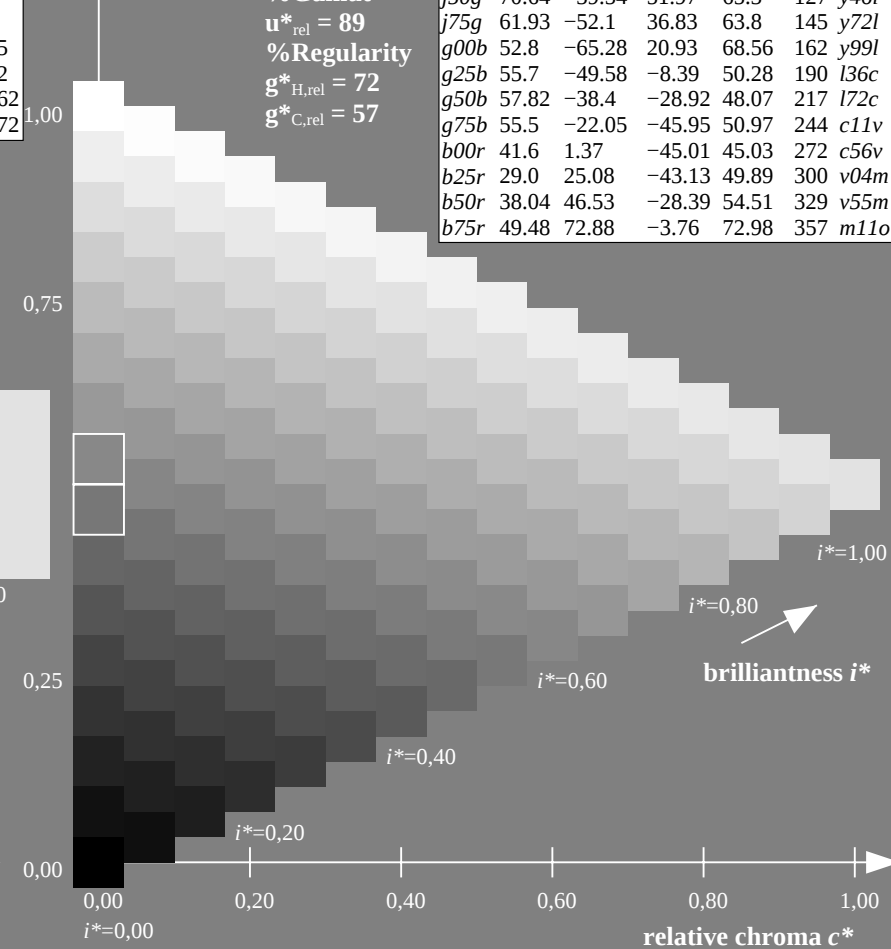
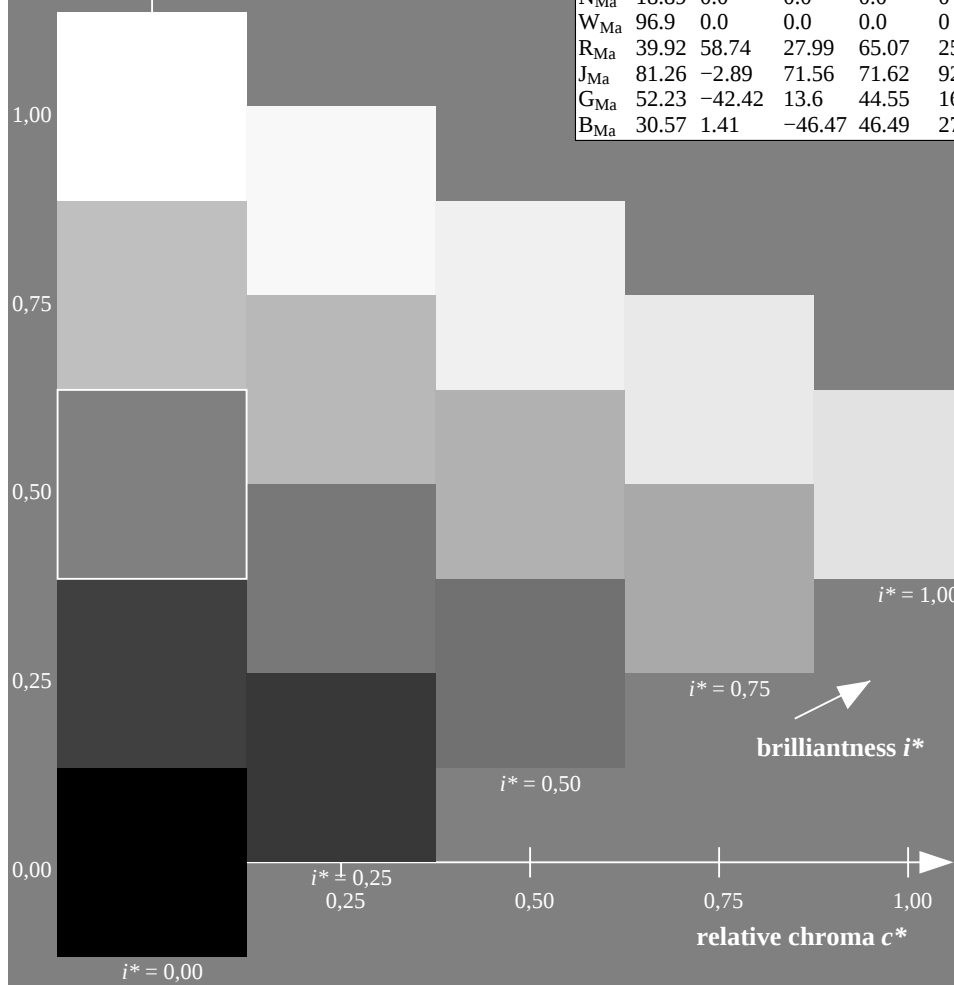
$u_{rel}^* = 89$

%Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Ee14/10L/L14E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems



Black separation empty

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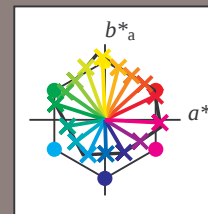
Black separation empty

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j, r25j, \dots, b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

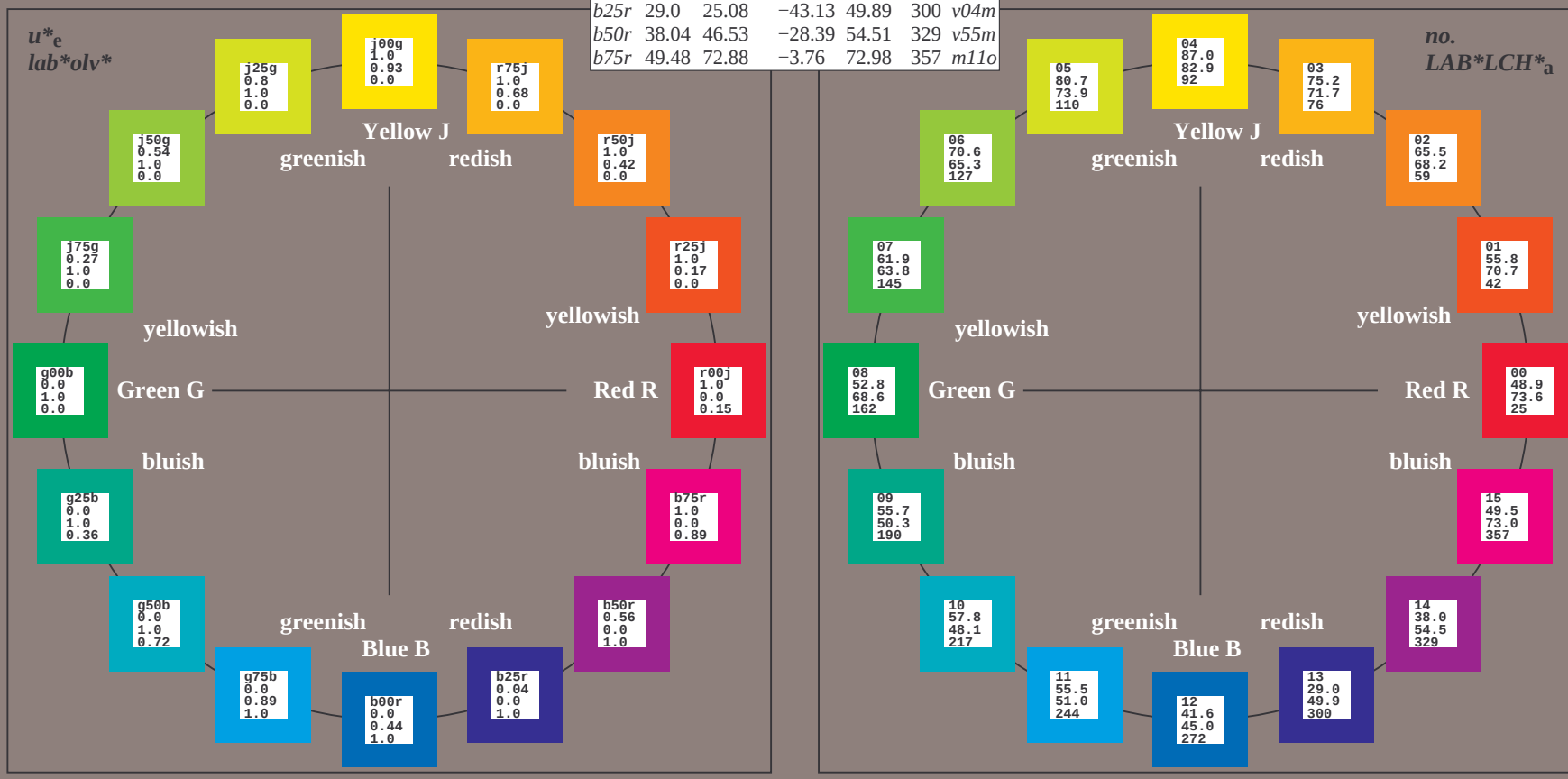
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%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
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	25
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

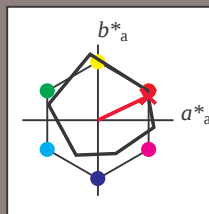
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

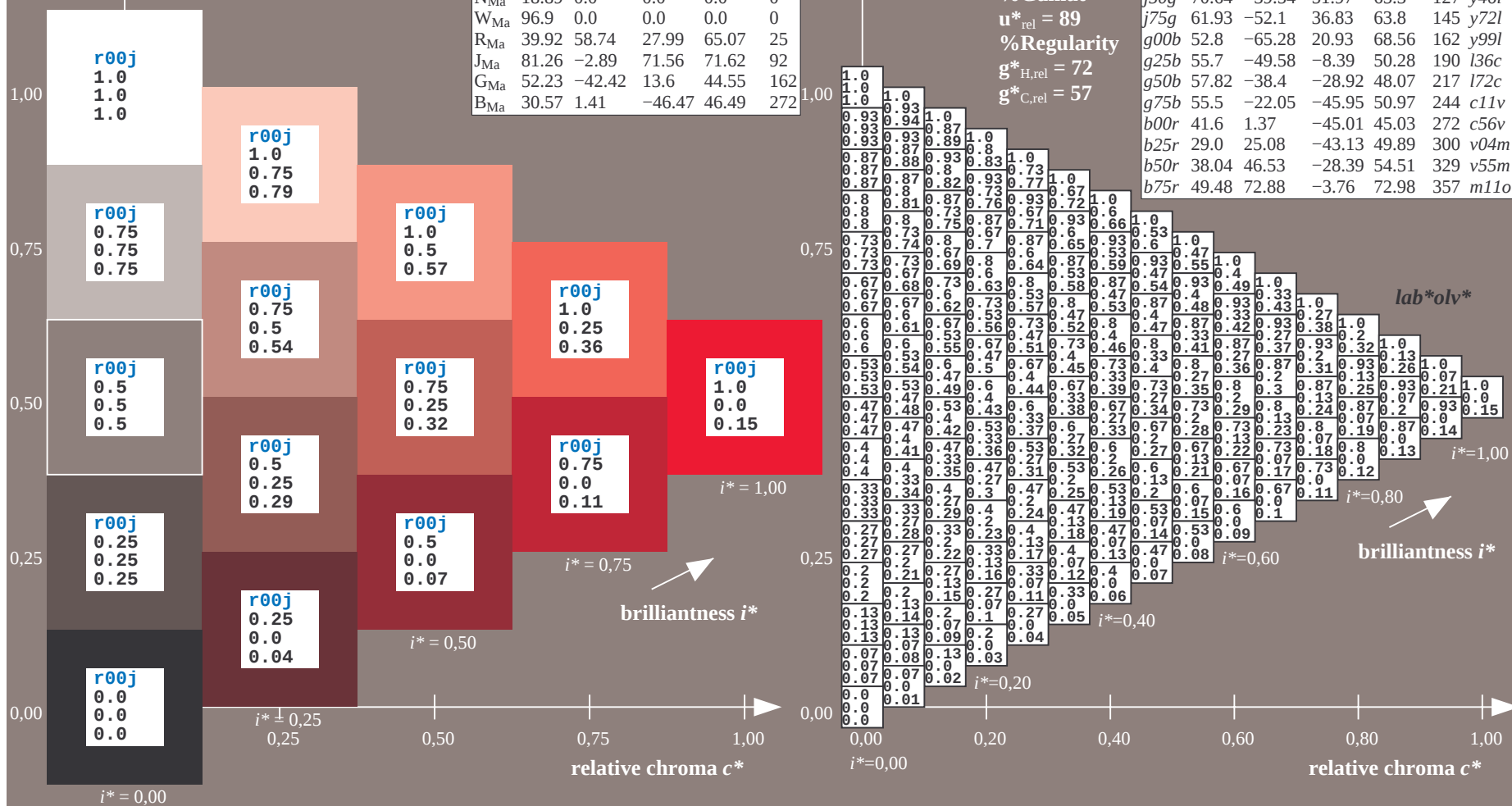
$u^*_{\text{rel}} = 89$

% Regularity

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

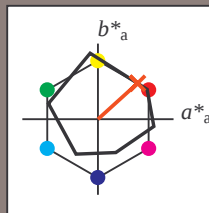
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 56 52 47

$LAB^*LCH^*_{Ma}$: 56 71 42

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

$lab^*olv^*_{Ma}$: 1.0 0.17 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

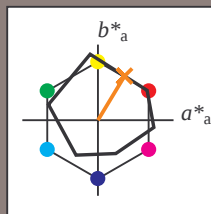
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

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

Hue texts:

$$u^*_e = r50j \quad u^*_d = o42y$$

contrast reduction factor:

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

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

Data for maximum colour (Ma):

LAB*LAB*Ma: 65 35 58

*LAB*LCH**M₂: 65 68 58

 $lab*rah*M_2: 1.0 \ 0.5 \ 0.0$

*lab*oly*Ms: 1 0 0 42 0 0*

triangle lightness t^*

3 3

%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84d</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	

*lab*olv**

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

BAM-test chart Ee14; Colorimetric systems, Page 112/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmY0* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

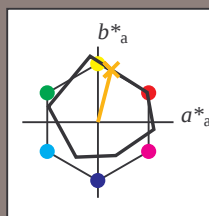
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 75 72 75

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.68 0.0

triangle lightness t^*

% Gamut

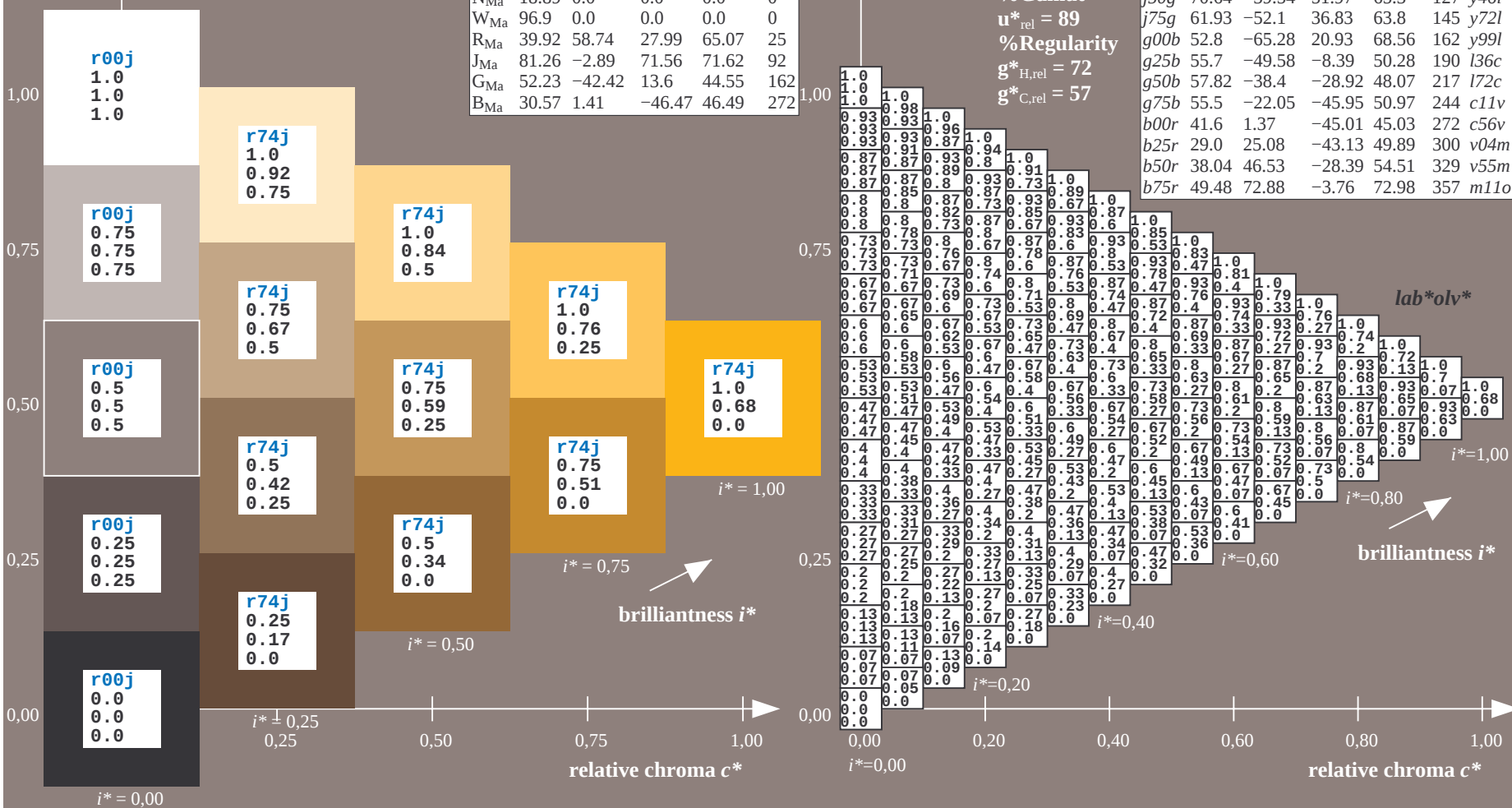
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

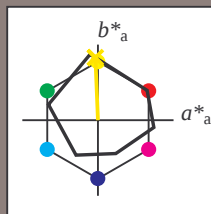
Hue texts:

$u^*_e = j00g$ $u^*_d = o92y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 87 -3 83$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 87 83 92$

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 0.93 0.0$

triangle lightness t^*

% Gamut

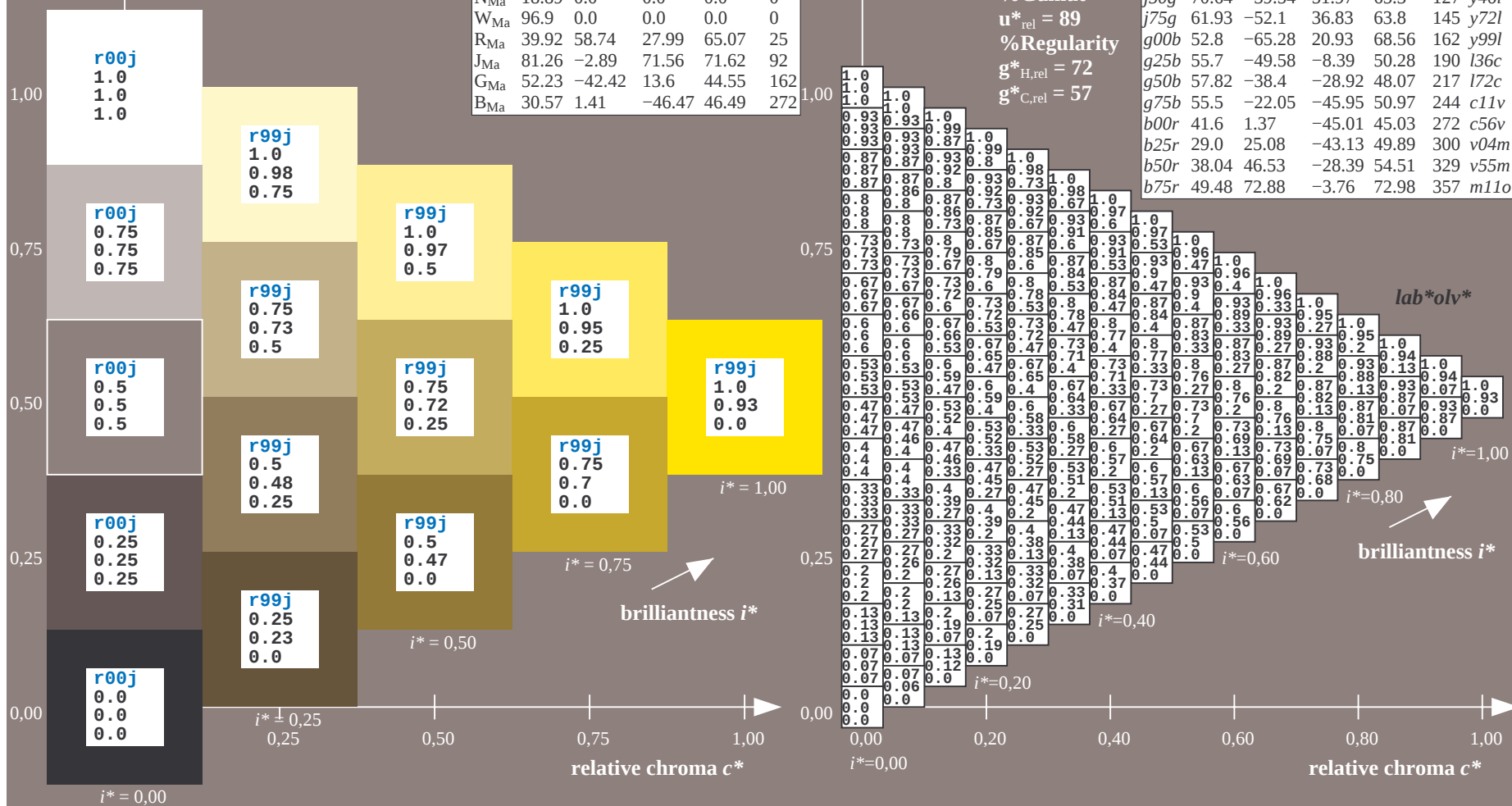
$u^*_{\text{rel}} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

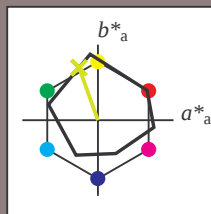
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

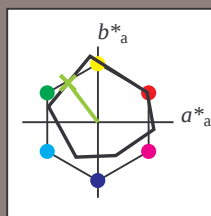
Hue texts:

$u_e^* = j50g$ $u_d^* = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{Ma}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.54 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

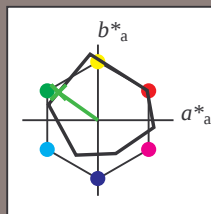
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 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^*_e $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_d

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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^*

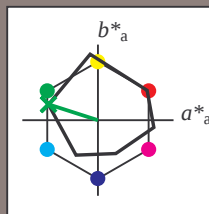
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

% Gamut

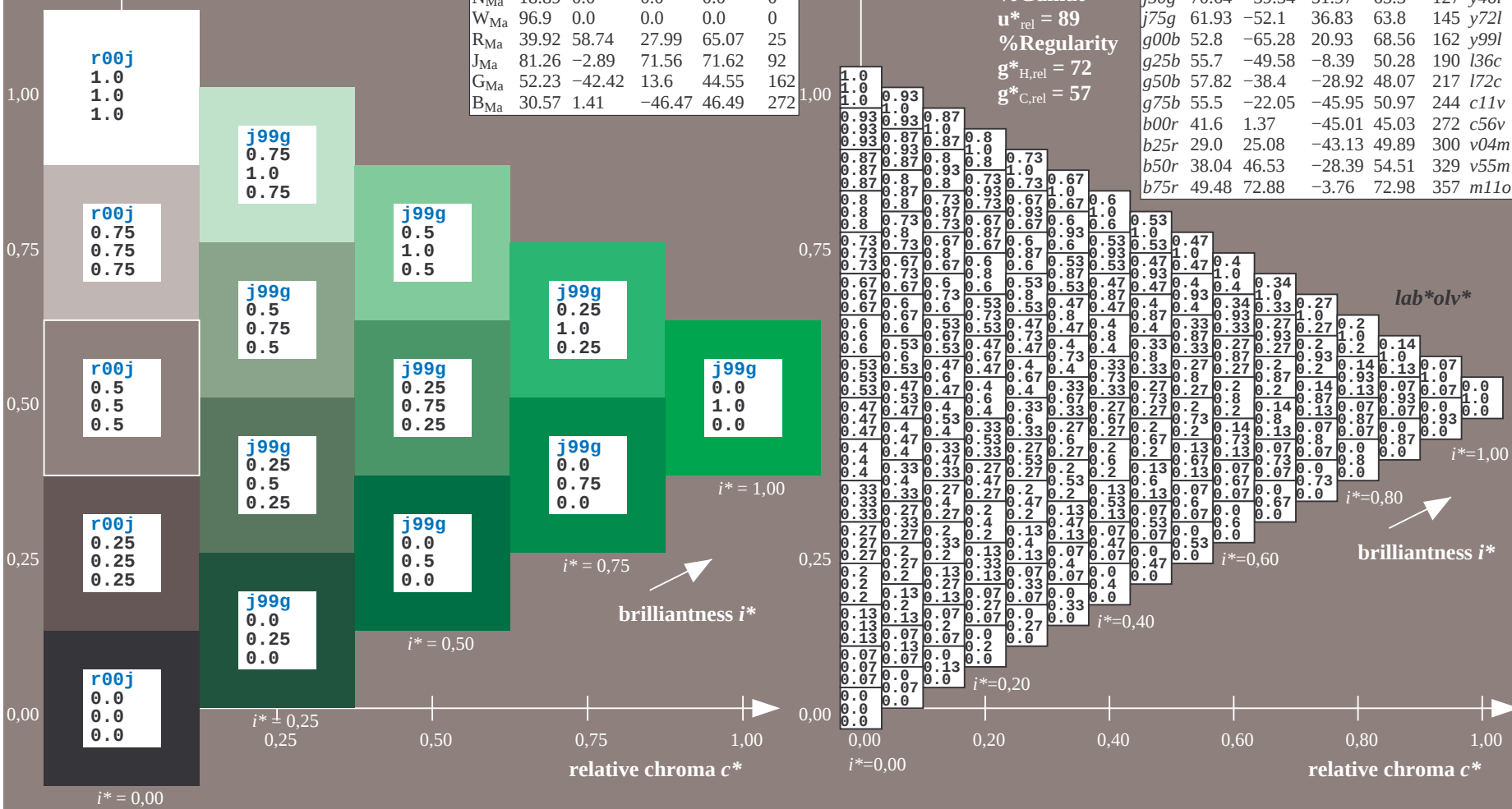
$u^*_{\text{rel}} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

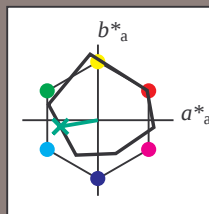
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

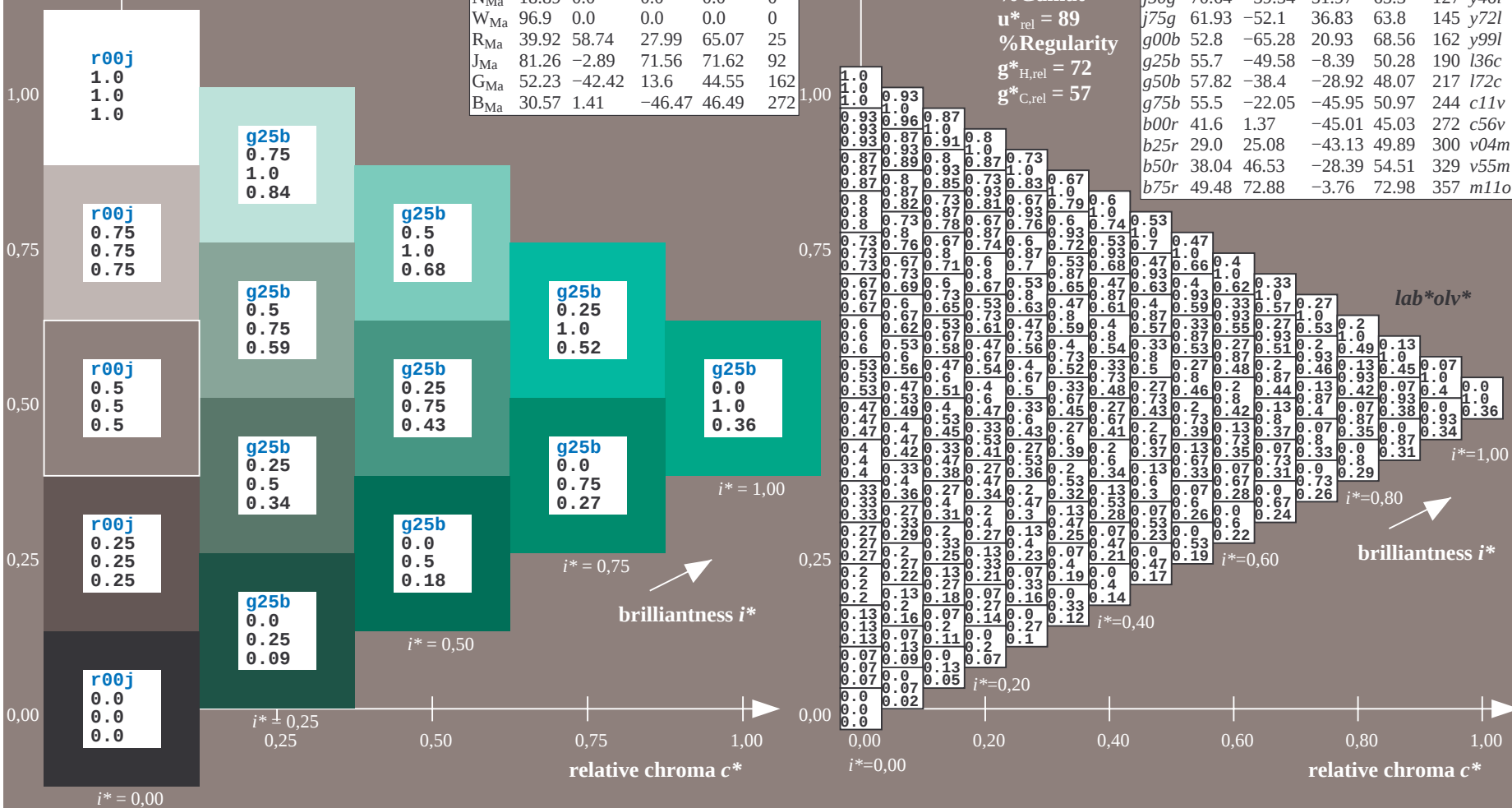
$u_{\text{rel}}^* = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

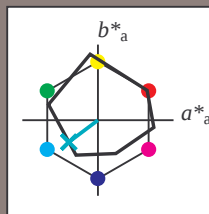
Hue texts:

$u_e^* = g50b$ $u_d^* = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{Ma}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

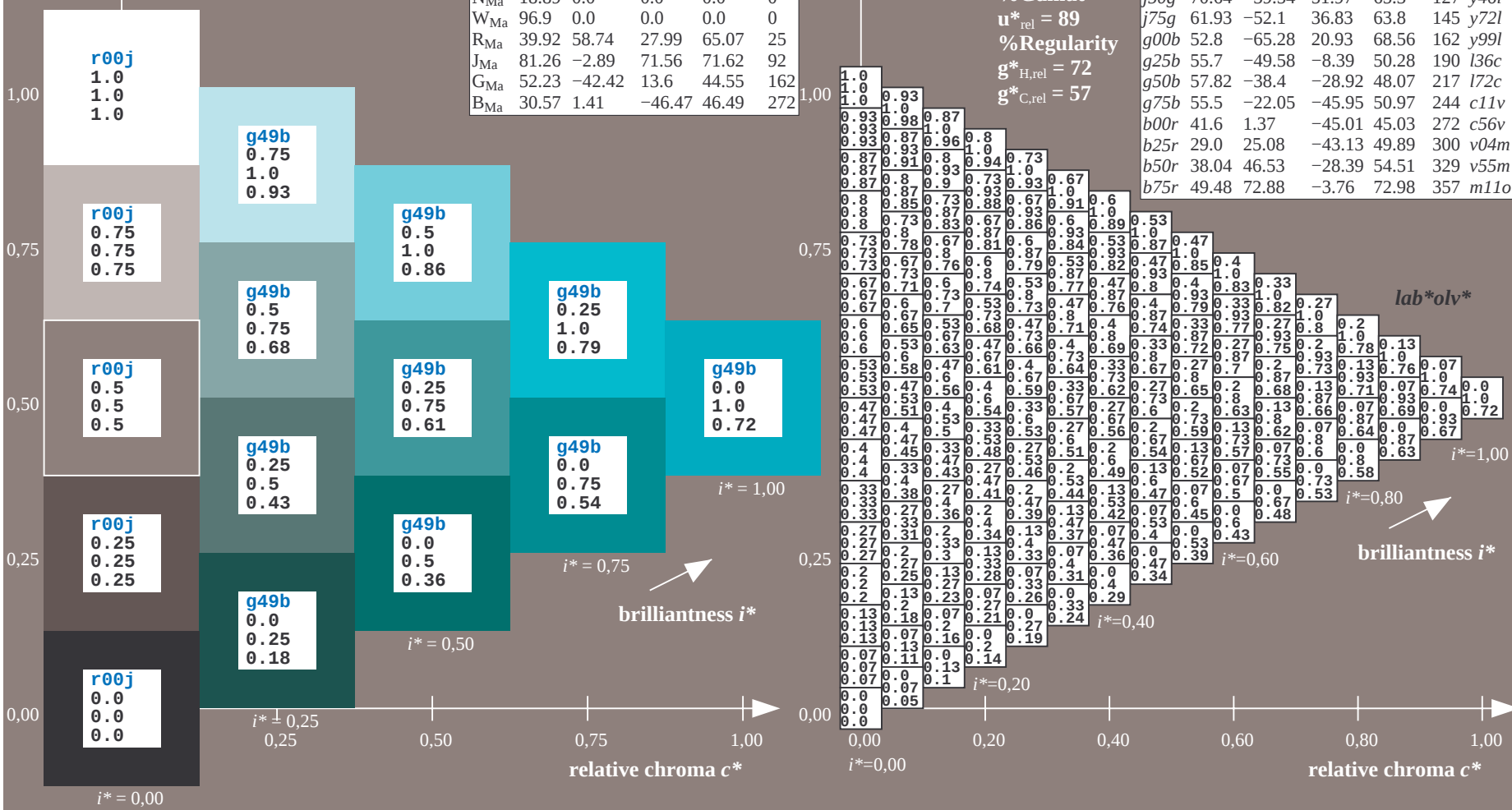
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



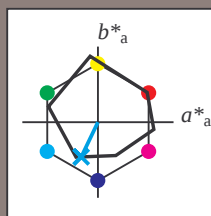
Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.679$ data for any colour:

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

Hue texts:

$$u^*_e = q75b \quad u^*_d = c11v$$

contrast reduction factor:

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

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

Data for maximum colour (Ma):

LAB*LAB*Ma: 55 -22 -46

LAB*LCH*M₂: 55 51 244

 $lab*rah*M_2: 0.0 \quad 0.5 \quad 1.0$

*lab*oly**: 0.0 0.89 1.0

100 0.15 0.30 0.45 0.60 0.75 0.90 1.00
 0.00 0.25 0.50 0.75 1.00 1.25 1.50 1.75 2.00

triangle lightness t^*

0

%Gamut

$$u_{rel}^* = 89$$

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u_e	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84d</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	

*lab*olv**

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

BAM-test chart Ee14; Colorimetric systems, Page 121/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmY0* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

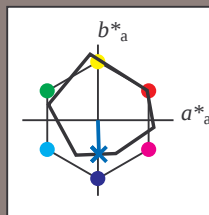
Hue texts:

$u_e^* = b00r$ $u_d^* = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 42 45 271

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.44 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

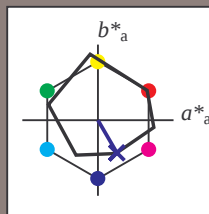
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 29 50 300

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.04 0.0 1.0

triangle lightness t^*

% Gamut

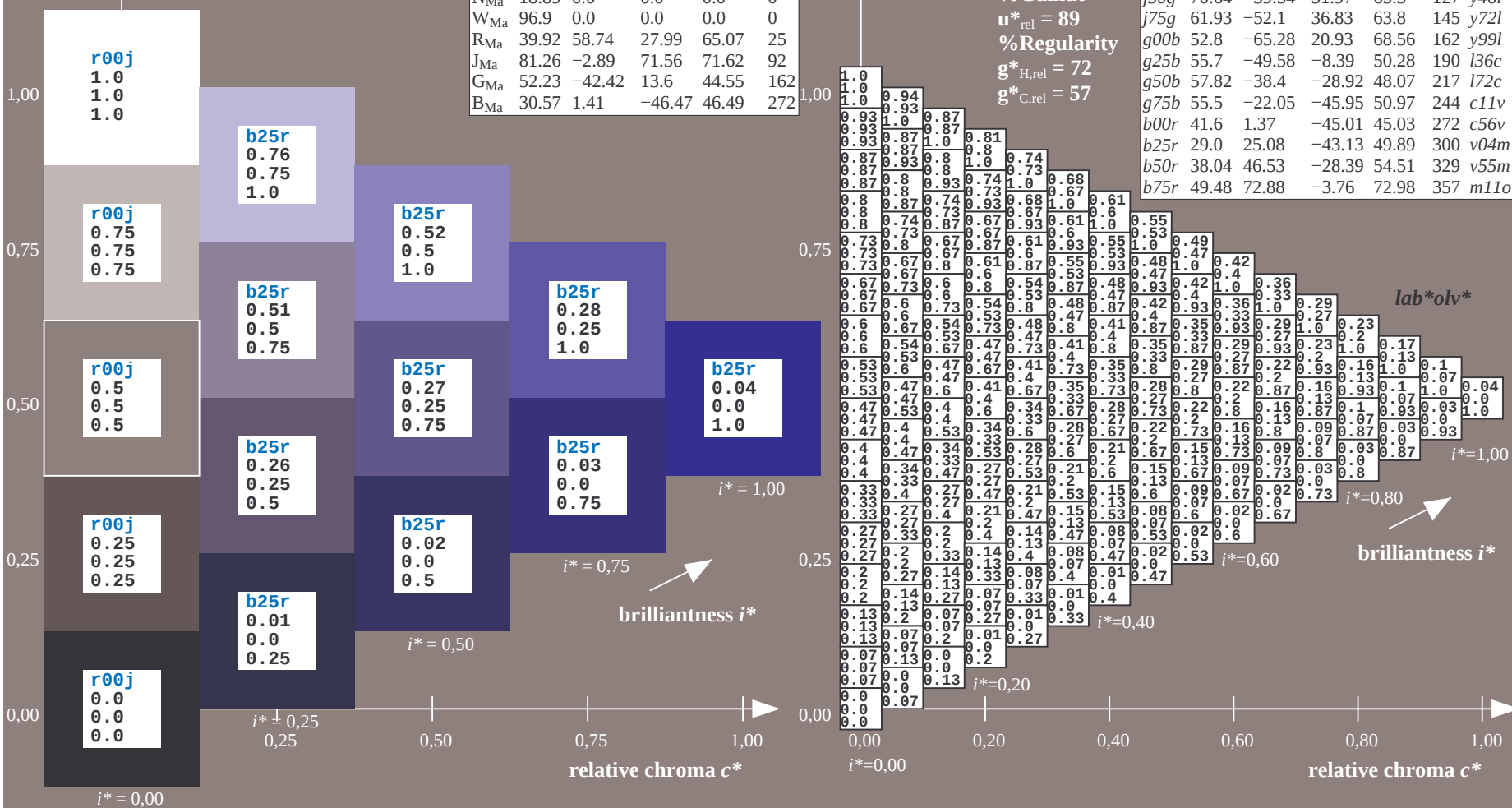
$u^*_{\text{rel}} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

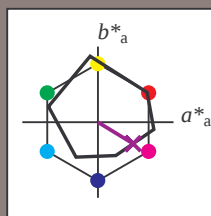
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 0.0 1.0

triangle lightness t^*

% Gamut

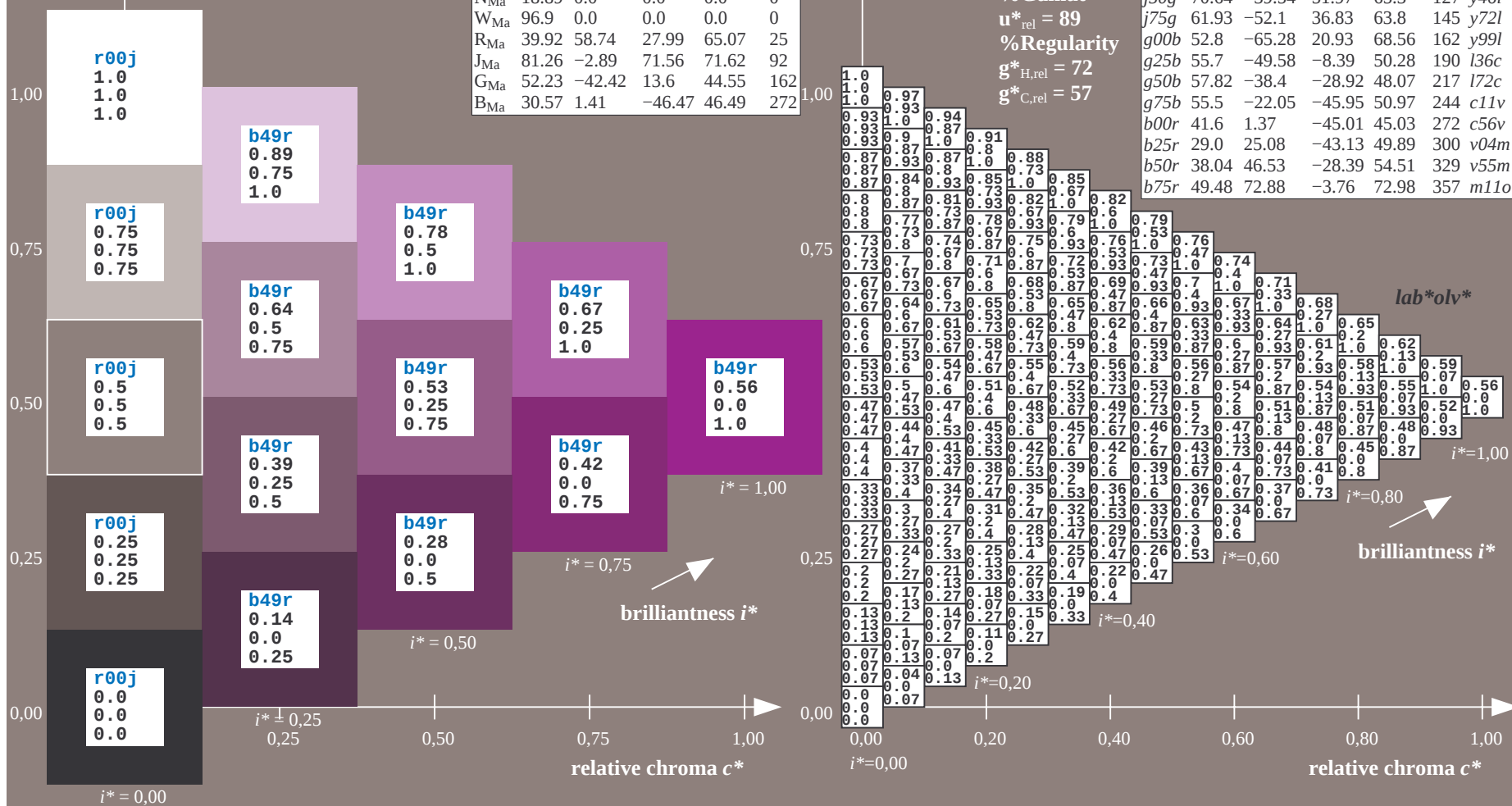
$u^*_{\text{rel}} = 89$

% Regularity

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

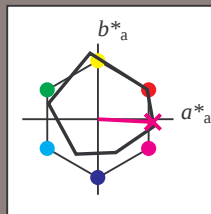
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

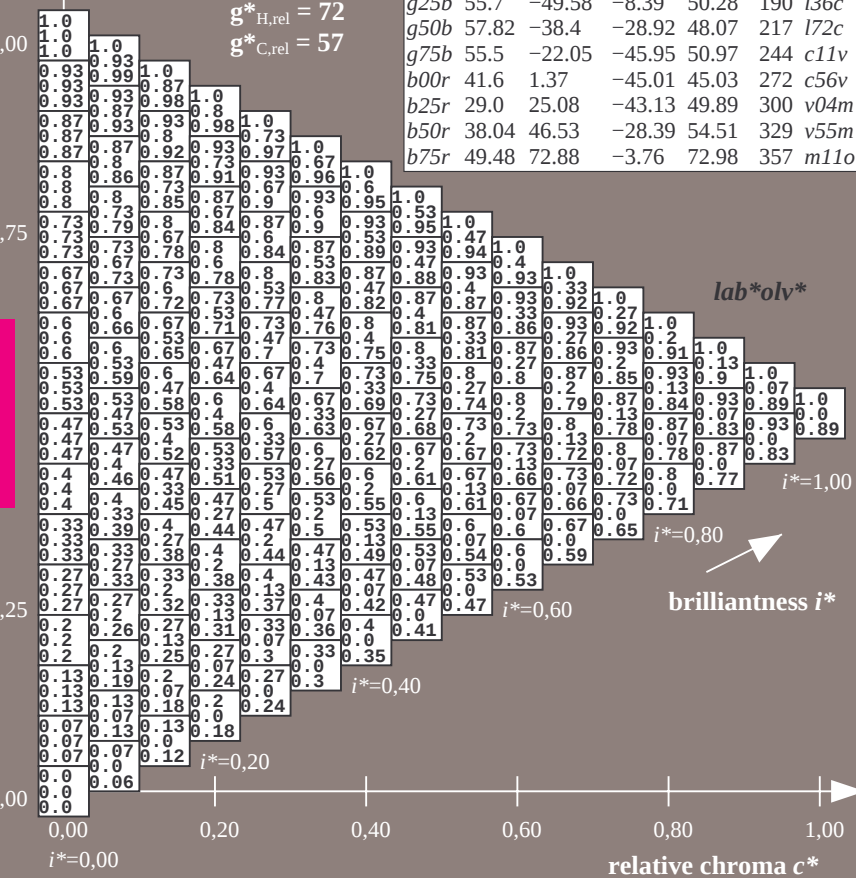
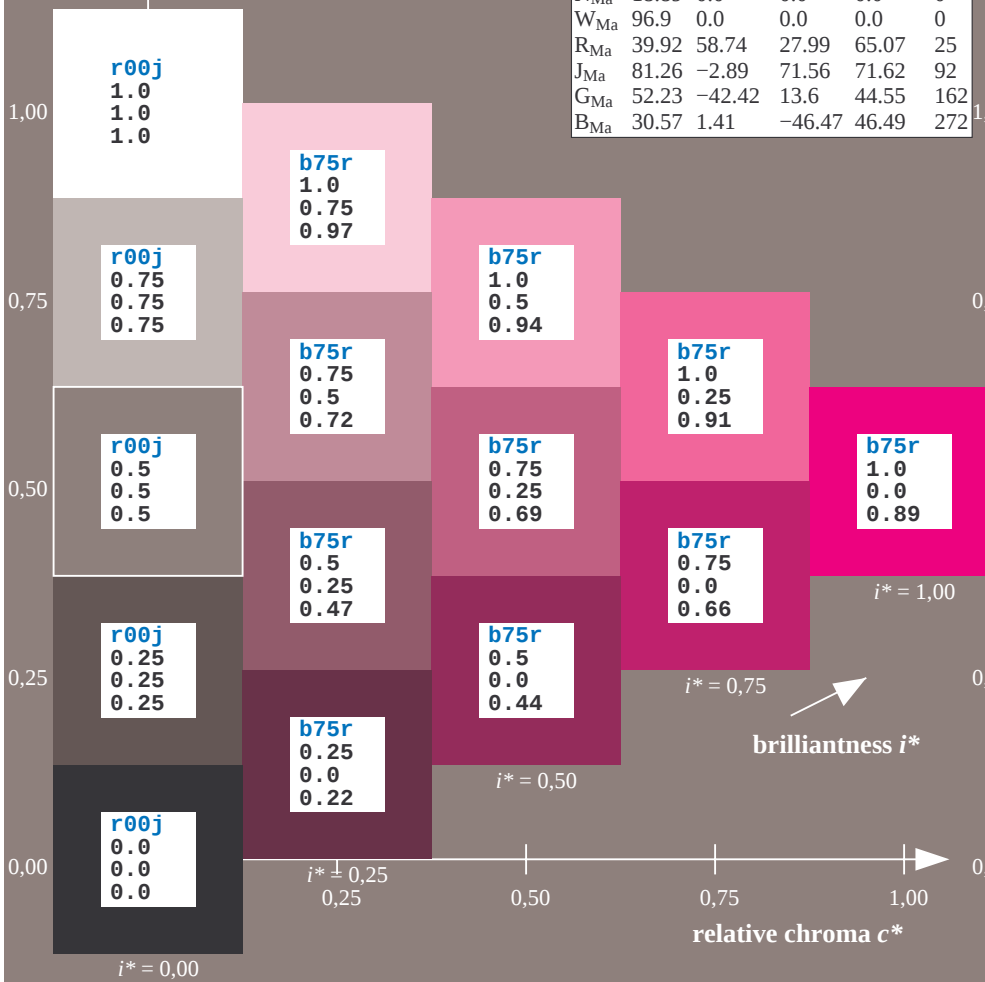
% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

lab^*olv^*					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357



See for similar files: <http://www.ps.bam.de/Ee14/>; [www.ps.bam.de/Version2.1, io=1.1, ColSpX=0](http://www.ps.bam.de/Version2.1_io=1.1_ColSpX=0)
Technical information: <http://www.ps.bam.de>

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

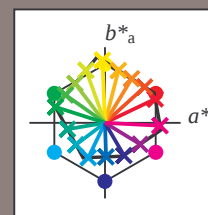
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*oly*		
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
02	0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j, r25j, \dots, b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

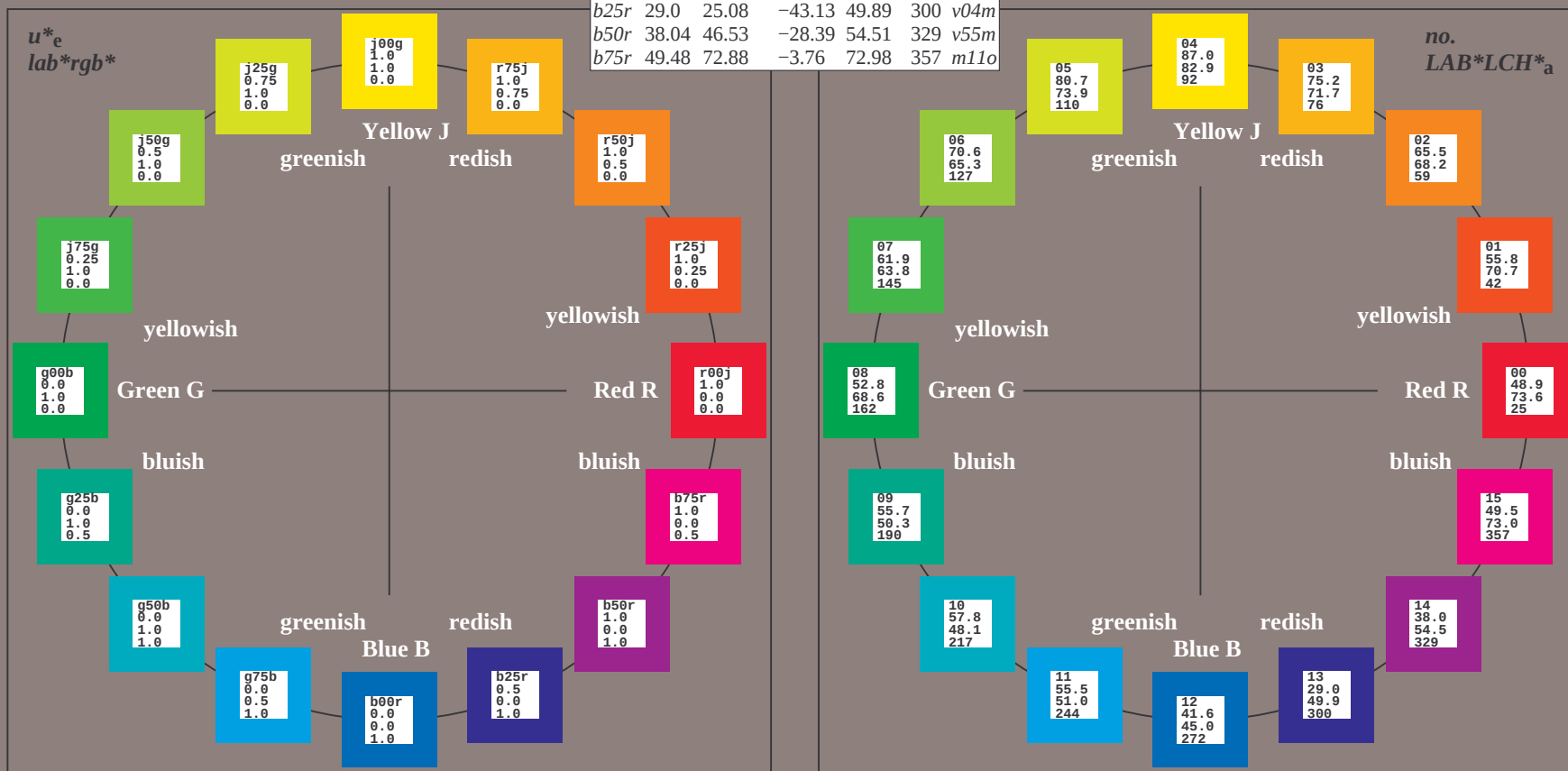
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%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
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	25
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

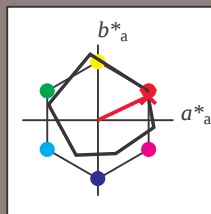
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

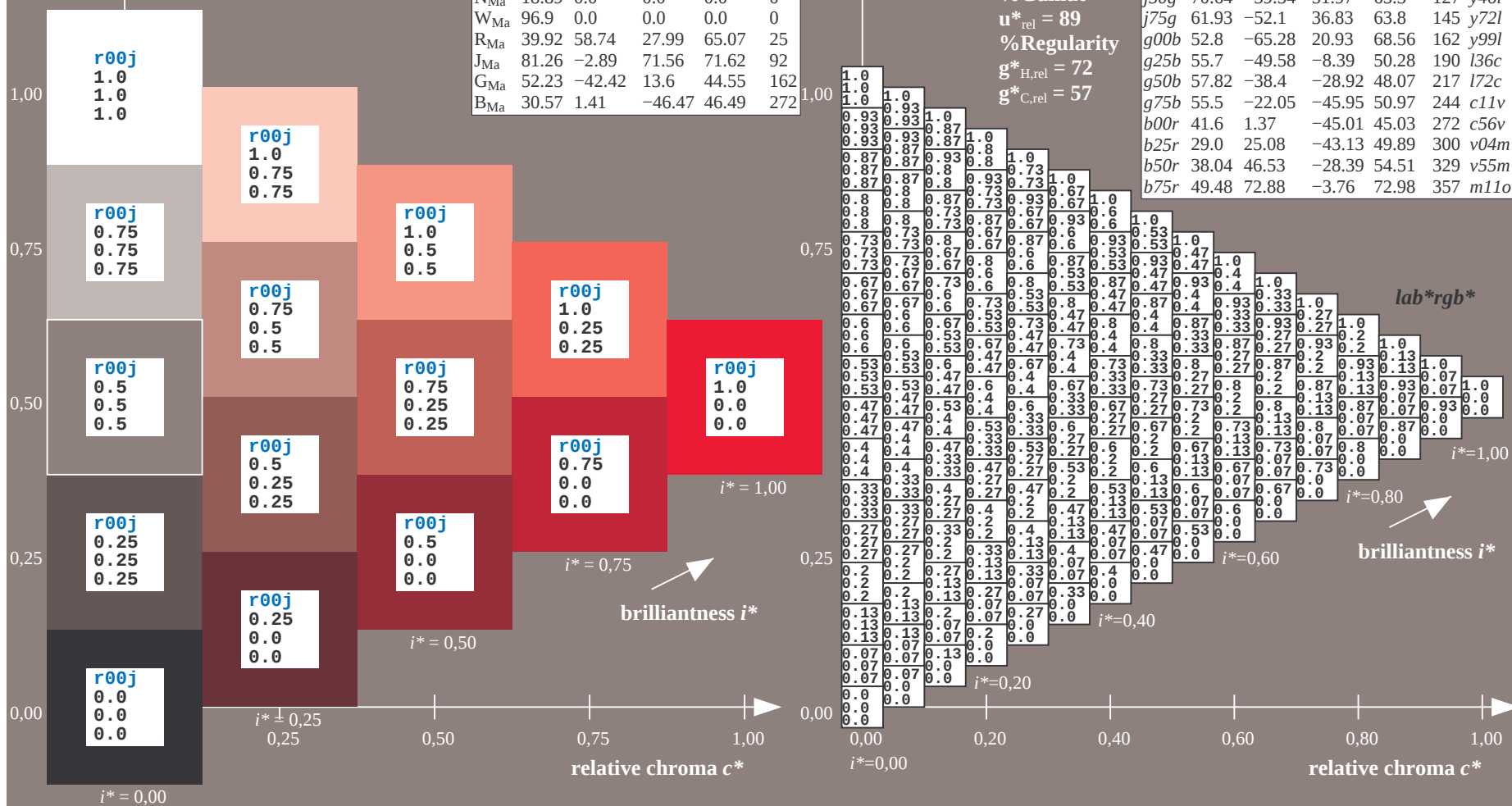
$u^*_{\text{rel}} = 89$

% Regularity

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

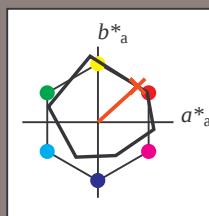
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 0.0

triangle lightness t^*

% Gamut

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

% Regularity

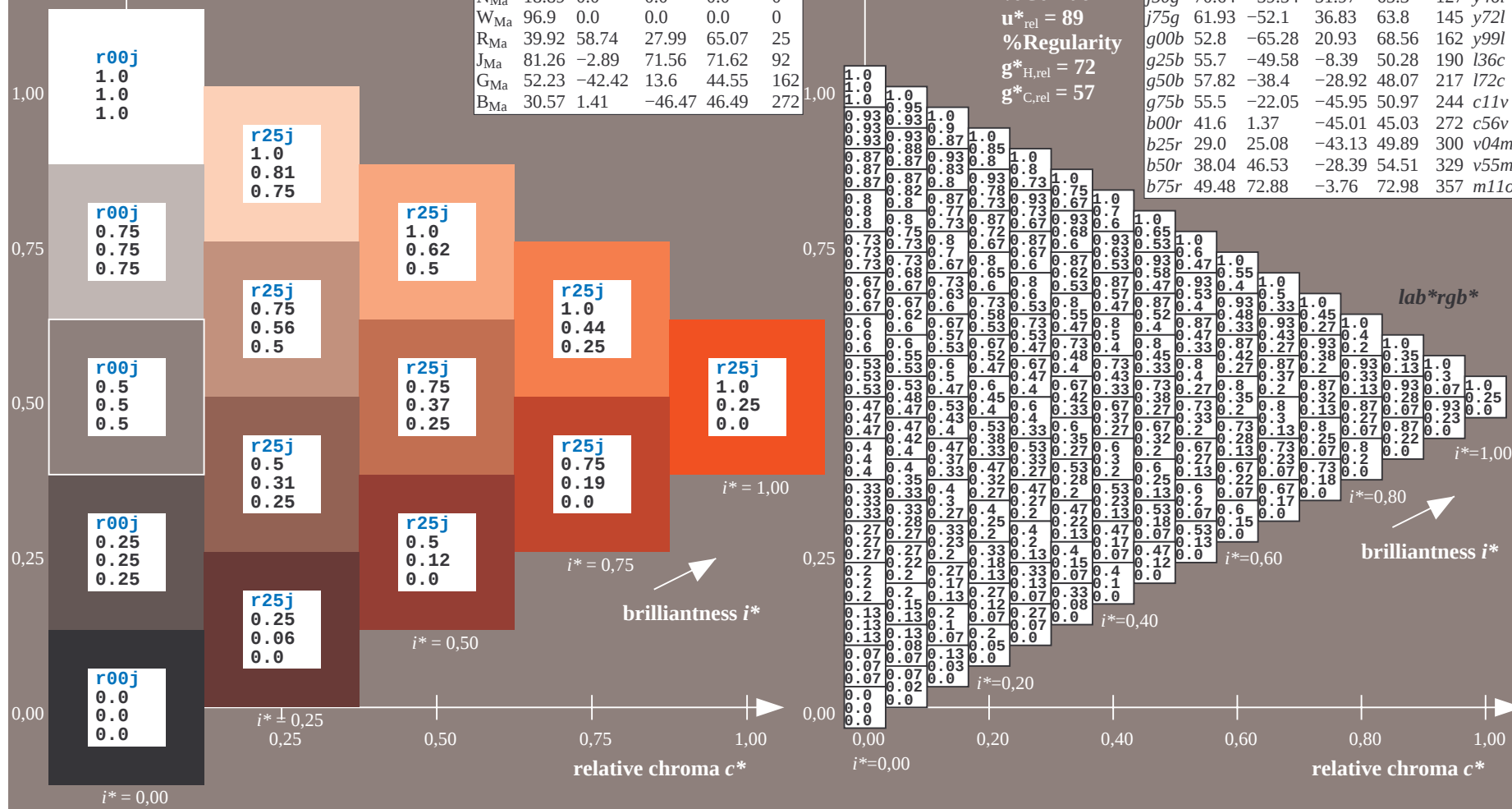
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

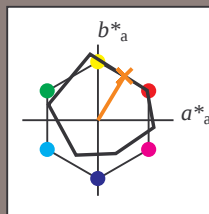
Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 65 35 58

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 65 68 58

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.42 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

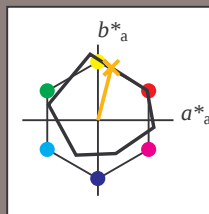
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 75 72 75

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.68 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$

data for any colour:

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

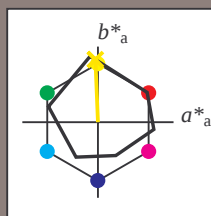
Hue texts:

$u_e^* = j00g$ $u_d^* = o92y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 87 -3 83

$\text{LAB}^*\text{LCH}^*_{Ma}$: 87 83 92

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

% Gamut

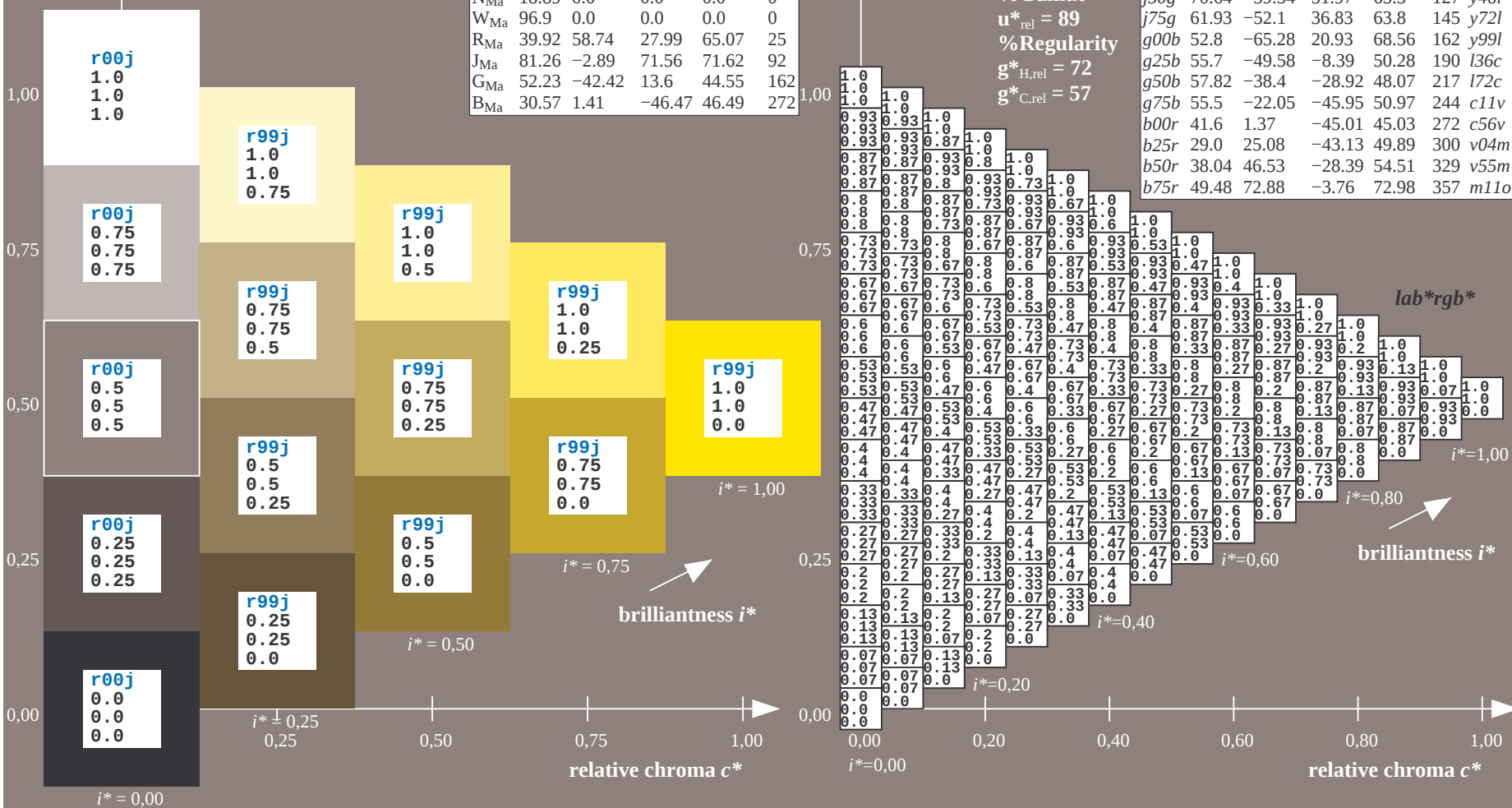
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

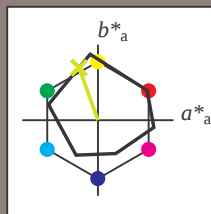
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 1.0 0.0

triangle lightness t^*

% Gamut

$u_{\text{rel}}^* = 89$

% Regularity

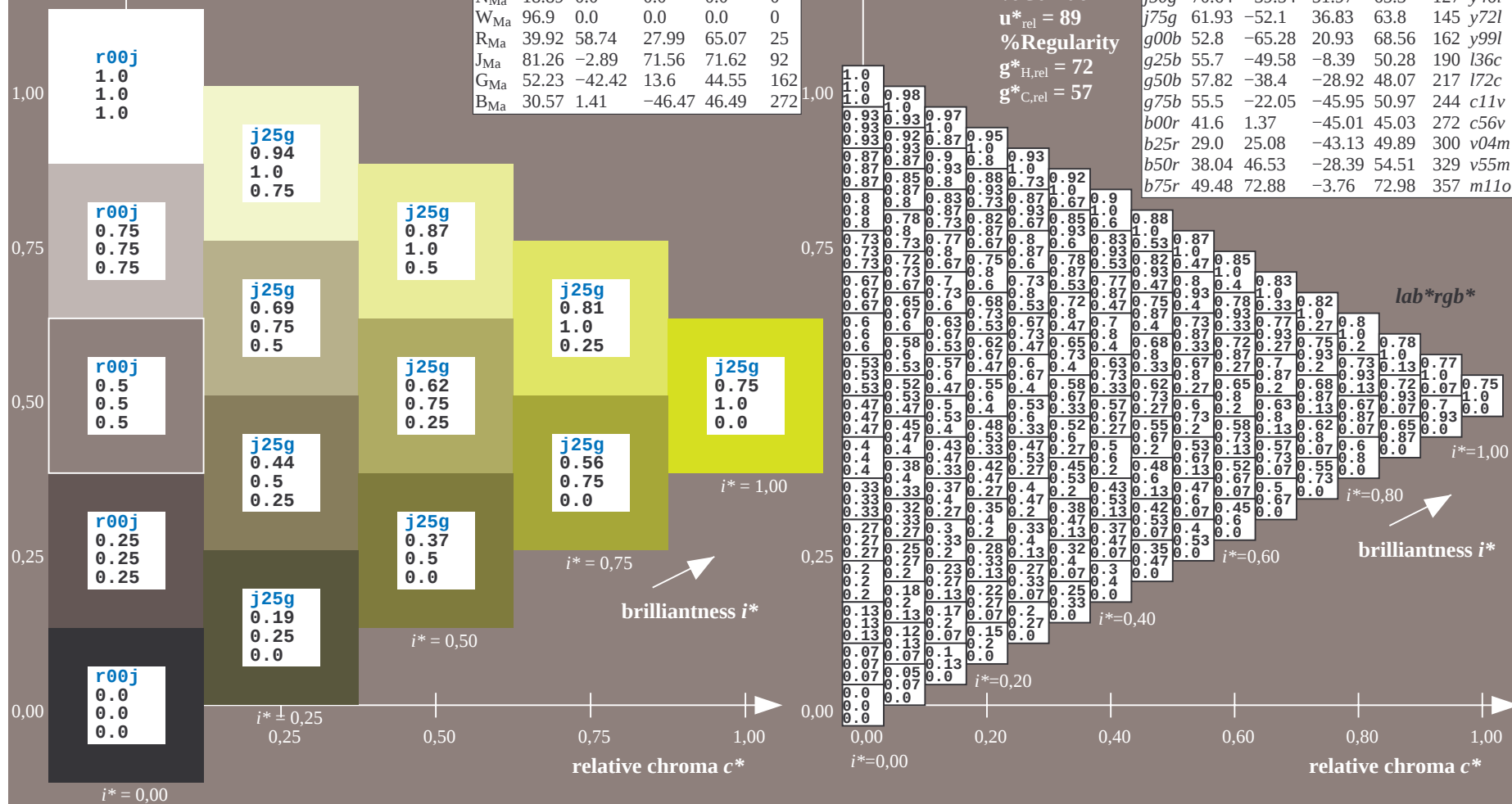
$g_{H,\text{rel}}^* = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

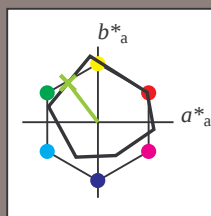
Hue texts:

$u_e^* = j50g$ $u_d^* = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 71 65 127

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

% Gamut

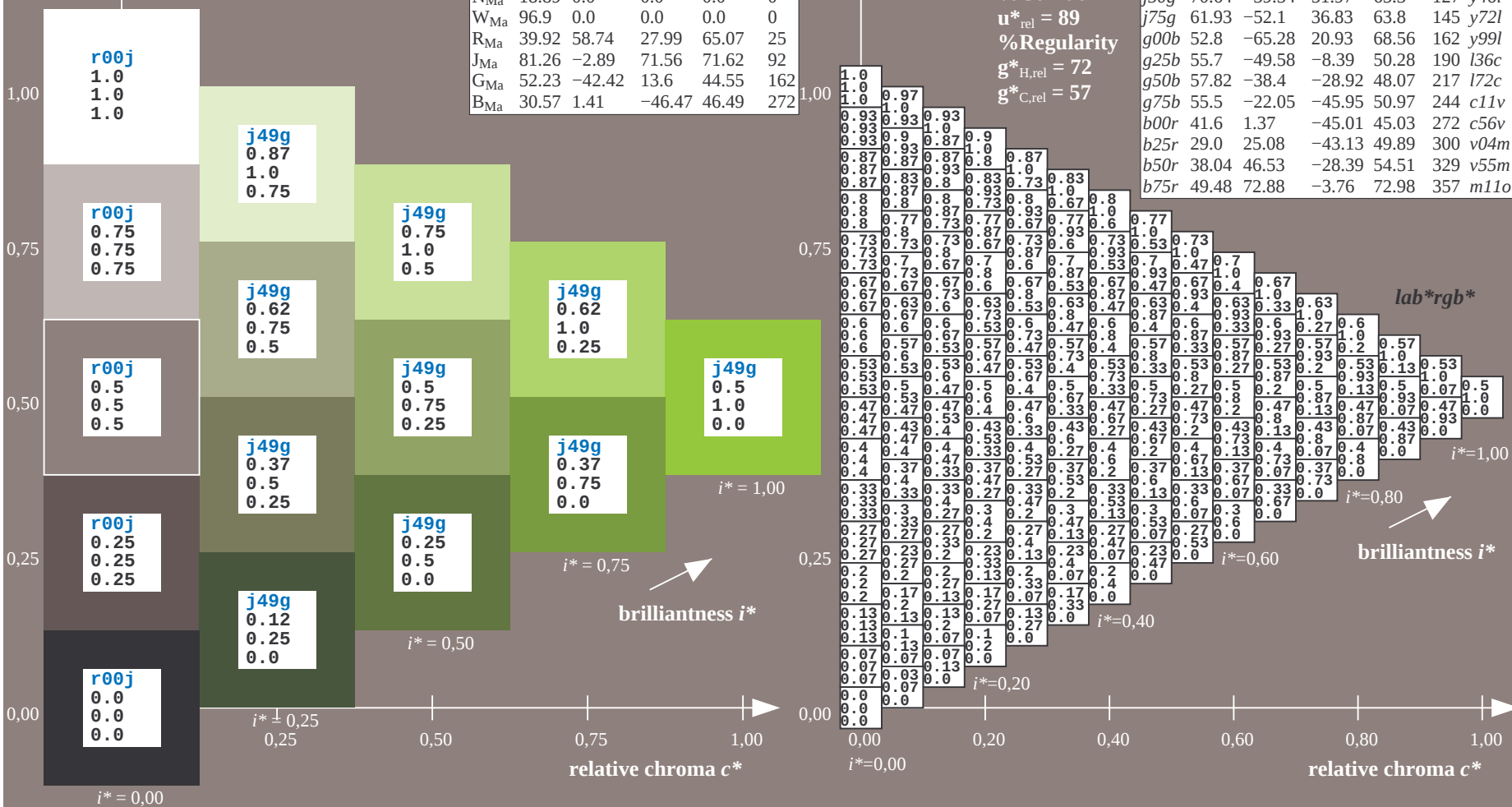
$u_{rel}^* = 89$

% Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

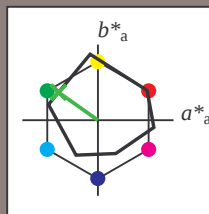
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

% Gamut

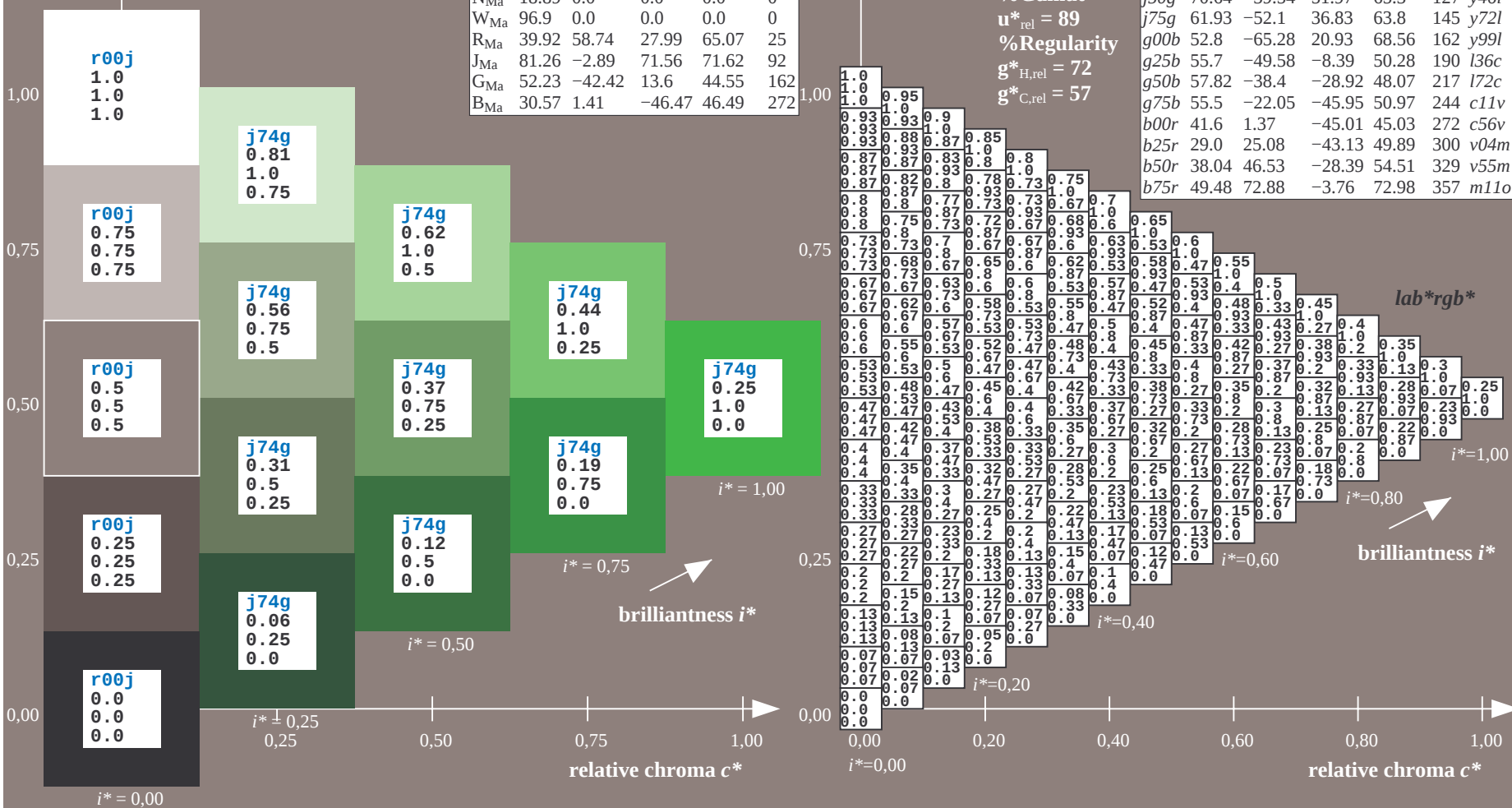
$u^*_{\text{rel}} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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^*

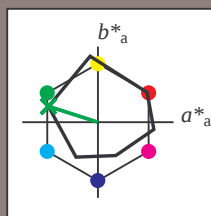
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

% Gamut

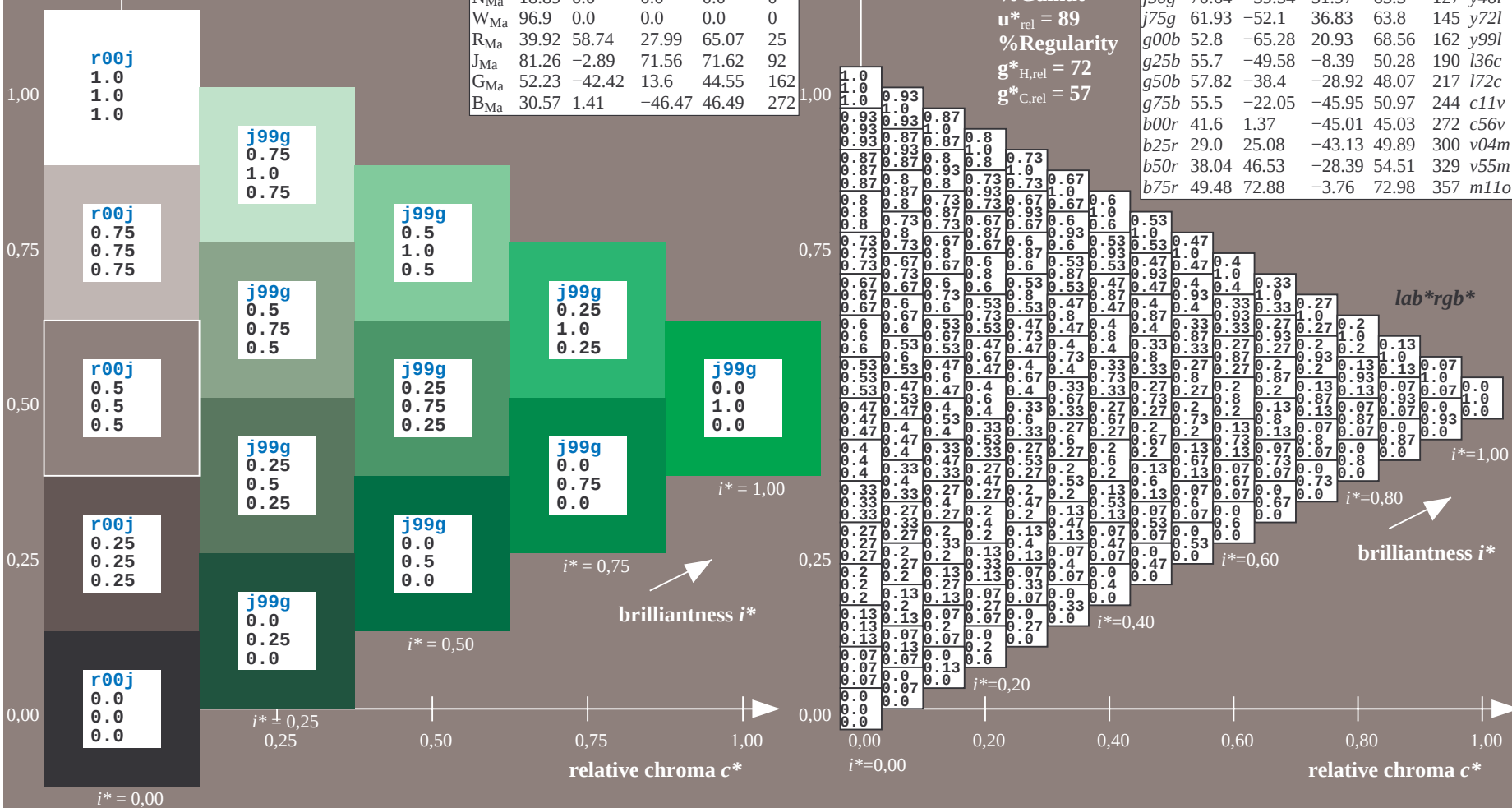
$u^*_{\text{rel}} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

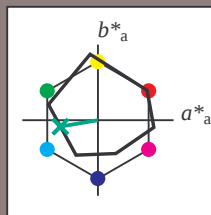
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 $u_e^* L^*=L_a^* a_a^* b_a^* C_{ab,a}^* h_{ab,a}^* u_d^*$

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.36

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
 $u_e^* L^*=L_a^* a_a^* b_a^* C_{ab,a}^* h_{ab,a}^* u_d^*$

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

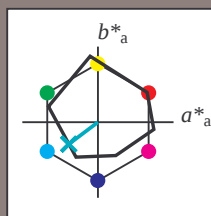
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.72

triangle lightness t^*

% Gamut

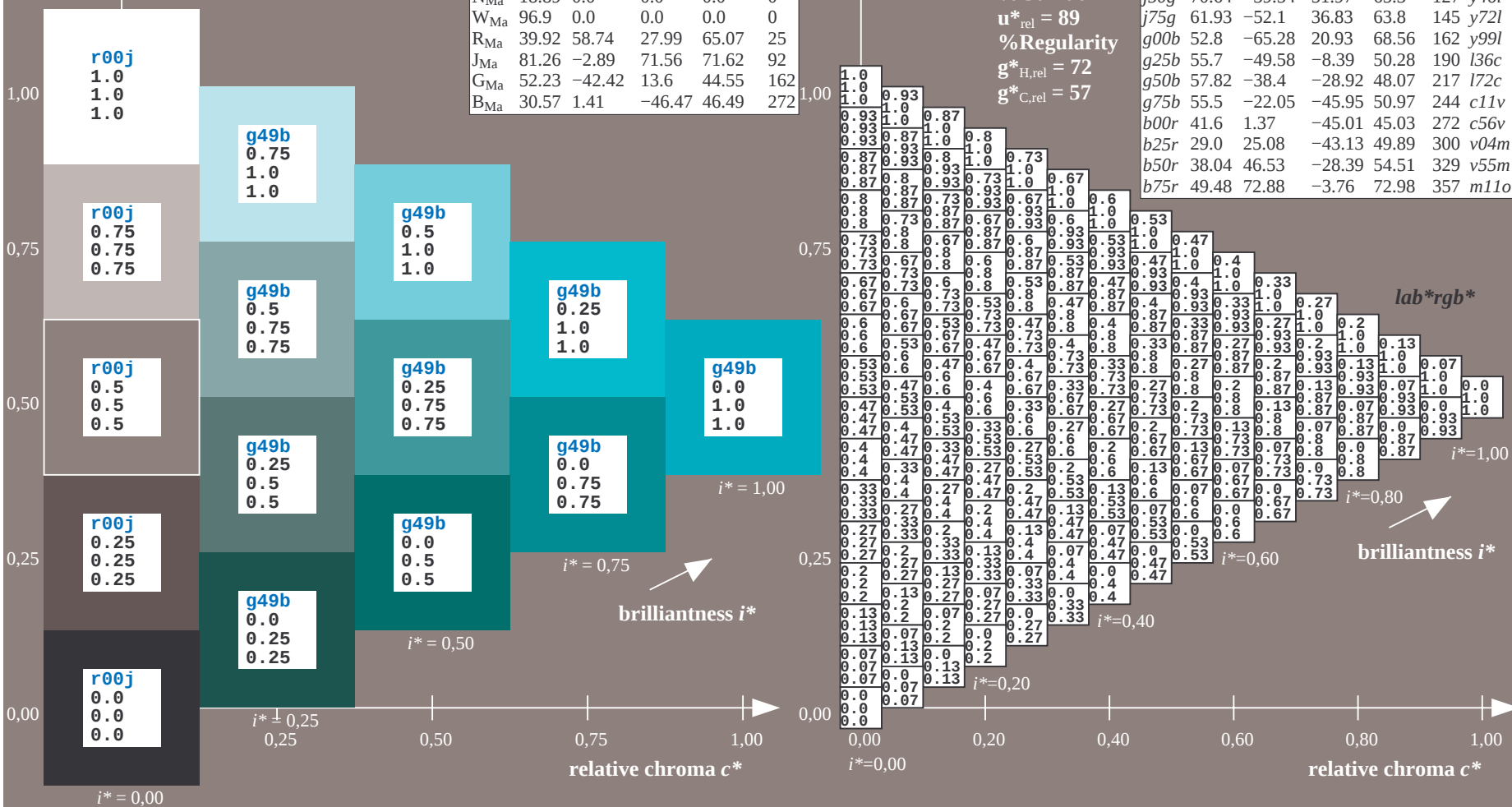
$u^*_{\text{rel}} = 89$

% Regularity

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

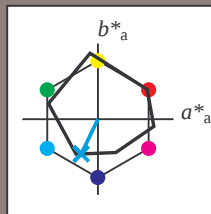
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 1.0

triangle lightness t^*

% Gamut

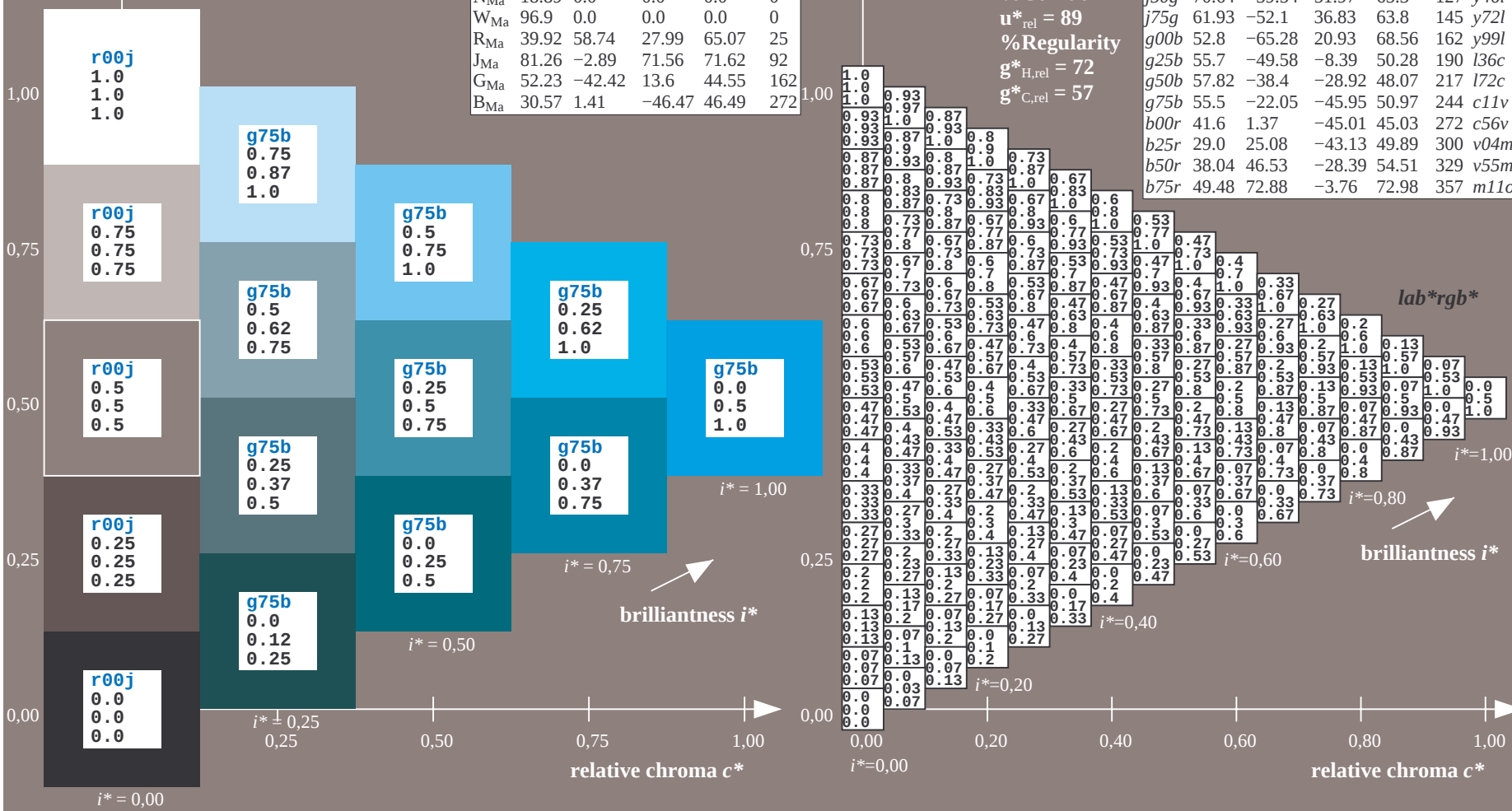
$u_{\text{rel}}^* = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.755$ data for any colour: Data for maximum colour (Ma):

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

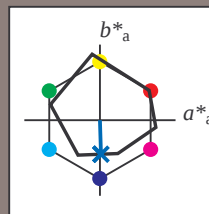
Hue texts:

$$u^*_e = b00r \quad u^*_d = c56v$$

contrast reduction factor:

$$c_D = 1.0$$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	
O _{Ma}	48.75	65.07	39.43	76.08	31	
Y _{Ma}	50.92	-10.29	87.24	87.85	97	
L _{Ma}	92.69	-65.44	20.75	68.65	162	
C _{Ma}	59.61	-28.98	-46.22	54.56	238	
V _{Ma}	28.39	23.63	-44.13	50.06	298	
M _{Ma}	49.58	73.93	-9.56	74.55	353	
N _{Ma}	18.89	0.0	0.0	0.0	0	
W _{Ma}	96.9	0.0	0.0	0.0	0	
R _{Ma}	39.92	58.74	27.99	65.07	25	
J _{Ma}	81.26	-2.89	71.56	71.62	92	
G _{Ma}	52.23	-42.42	13.6	44.55	162	
B _{Ma}	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB* M_2 : 42 1 -45

LAB*LGIII* 42 45 25

LAB*LCH*Ma: 42 45 2

*lab*rgb*_Ma: 0.0 0.0 1.0*

*lab*olv**Ma: 0.0 0.44 1.0

triangle lightness t^*

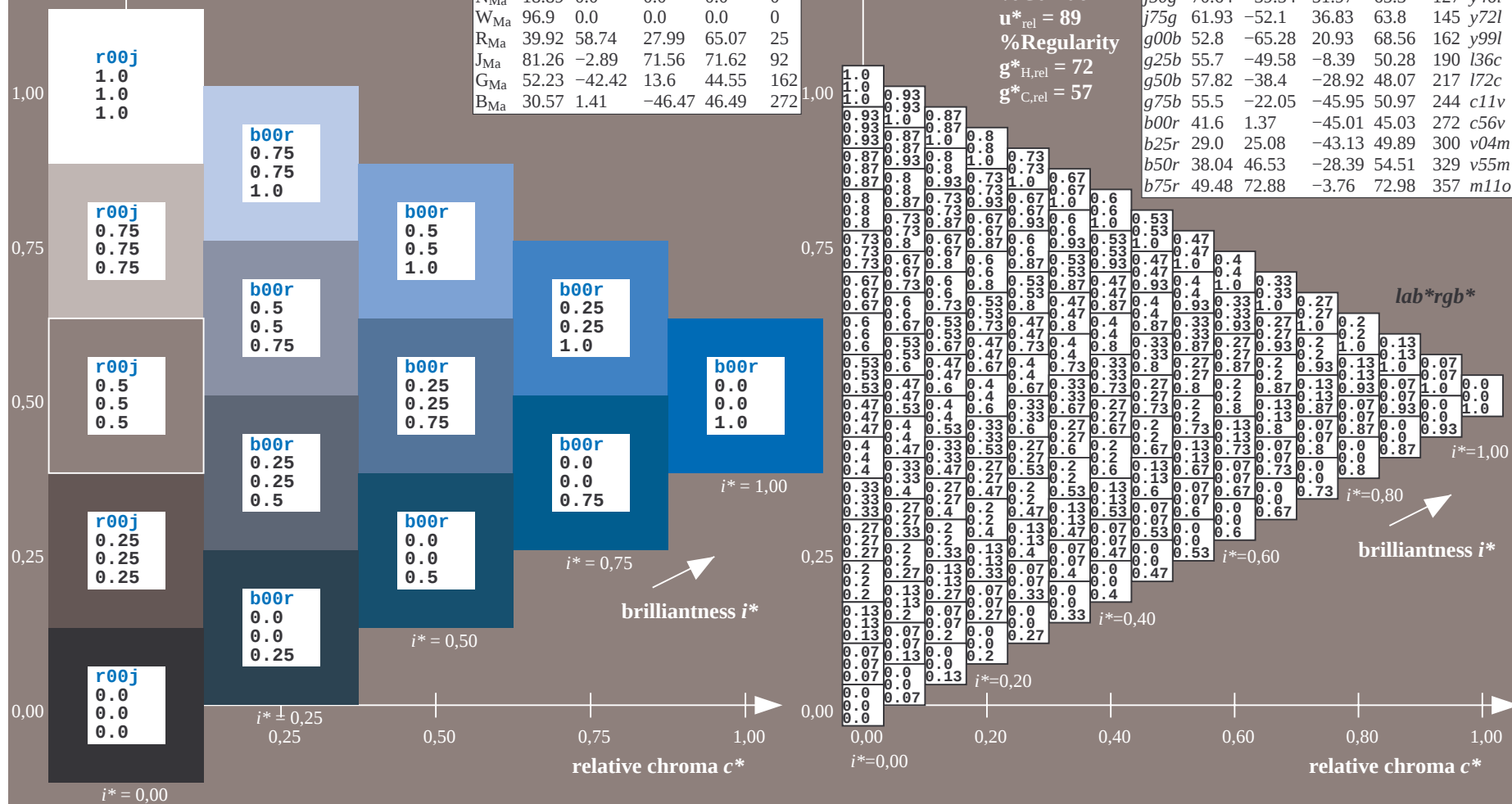
%Gamut

$$u_{rel}^* = 89$$

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u_e	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84d</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	



BAM-test chart Ee14; Colorimetric systems, Page 140/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmy0* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

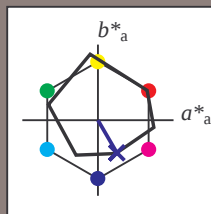
Hue texts:

$u_e^* = b25r$ $u_d^* = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data
 $u_e^* L^* = L_a^* a_a^* b_a^* C_{ab,a}^* h_{ab,a}^* u_d^*$

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 29 50 300

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.04 0.0 1.0

triangle lightness t^*

% Gamut

$u_{\text{rel}}^* = 89$

% Regularity

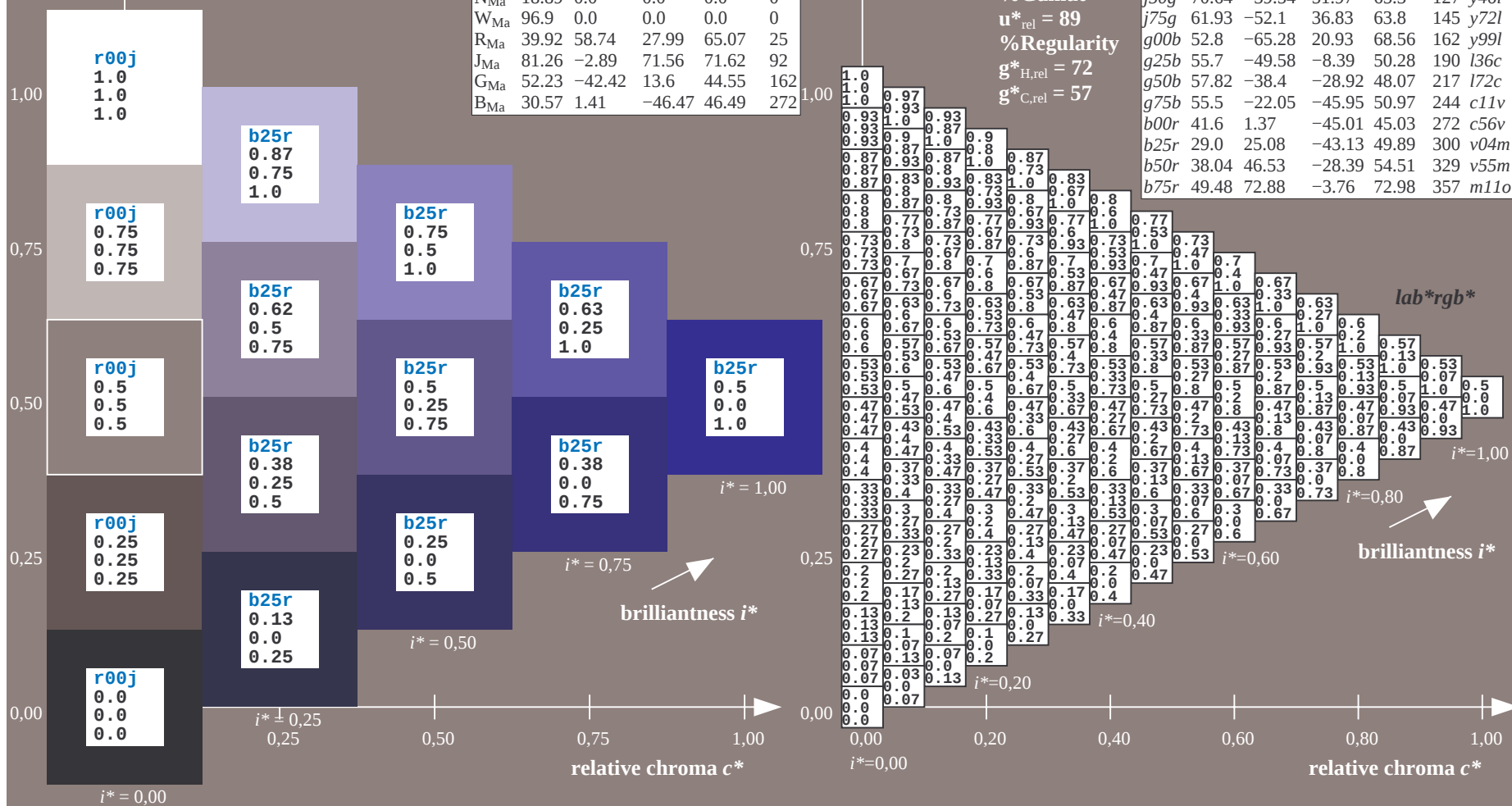
$g_{H,\text{rel}}^* = 72$

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

ORS19_96a; adapted (a) CIELAB data
 $u_e^* L^* = L_a^* a_a^* b_a^* C_{ab,a}^* h_{ab,a}^* u_d^*$

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u_e^* = b25r$
 lab^*rgb^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

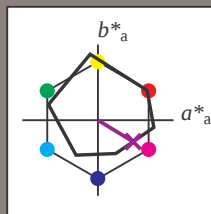
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{Ma}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.56 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

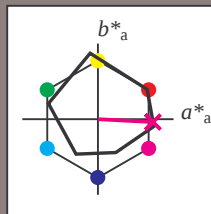
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de>

Version 2.1, io=1,1, ColSpx=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*rgb*								
01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.01	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.02	0.14	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
03	0.06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24				
04	0.12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.24	0.18	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	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			
05	0.17	0.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.29	0.24	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.25	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			
06	0.23	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.35	0.3	0.17	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			
07	0.29	0.16	0.03	0.0	0.0	0.0	0.0	0.0	0.0	0.41	0.36	0.22	0.13	0.13	0.13	0.13	0.13	0.13	0.25	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			
08	0.35	0.22	0.08	0.0	0.0	0.0	0.0	0.0	0.0	0.47	0.42	0.28	0.15	0.13	0.13	0.13	0.13	0.13	0.25	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			
09	0.41	0.27	0.14	0.01	0.0	0.0	0.0	0.0	0.0	0.53	0.47	0.34	0.21	0.13	0.13	0.13	0.13	0.13	0.25	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			
10	0.46	0.33	0.2	0.07	0.0	0.0	0.0	0.0	0.0	0.58	0.53	0.4	0.27	0.13	0.13	0.13	0.13	0.13	0.25	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			
11	0.5	0.38	0.38	0.38	0.35	0.35	0.35	0.35	0.35	0.5	0.5	0.5	0.47	0.47	0.47	0.47	0.47	0.47	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	0.63	0.63			
12	0.53	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.5	0.5	0.5	0.48	0.48	0.48	0.48	0.48	0.48	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	0.63	0.63			
13	0.58	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	0.58	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			
14	0.63	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88			
15	0.68	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	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			
16	0.73	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.68	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	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		
17	0.78	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	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	
18	0.83	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.78	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	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	0.88	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.88	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	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	
20	0.93	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	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	
21	0.98	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	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	
22	1.0	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	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	
23	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	1.0	1.0	1.0	1.0	1.0	1.0
24	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	1.0	1.0	1.0	1.0	1.0	1.0
25	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	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	1.0	1.0	1.0	1.0	1.0	1.0
27	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	1.0	1.0	1.0	1.0	1.0	1.0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT
application for evaluation and measurement of printer or monitor systems

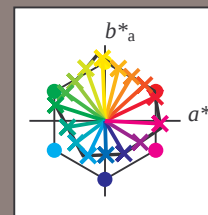
BAM material: code=rh4ta

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 u^*_e = 16 hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

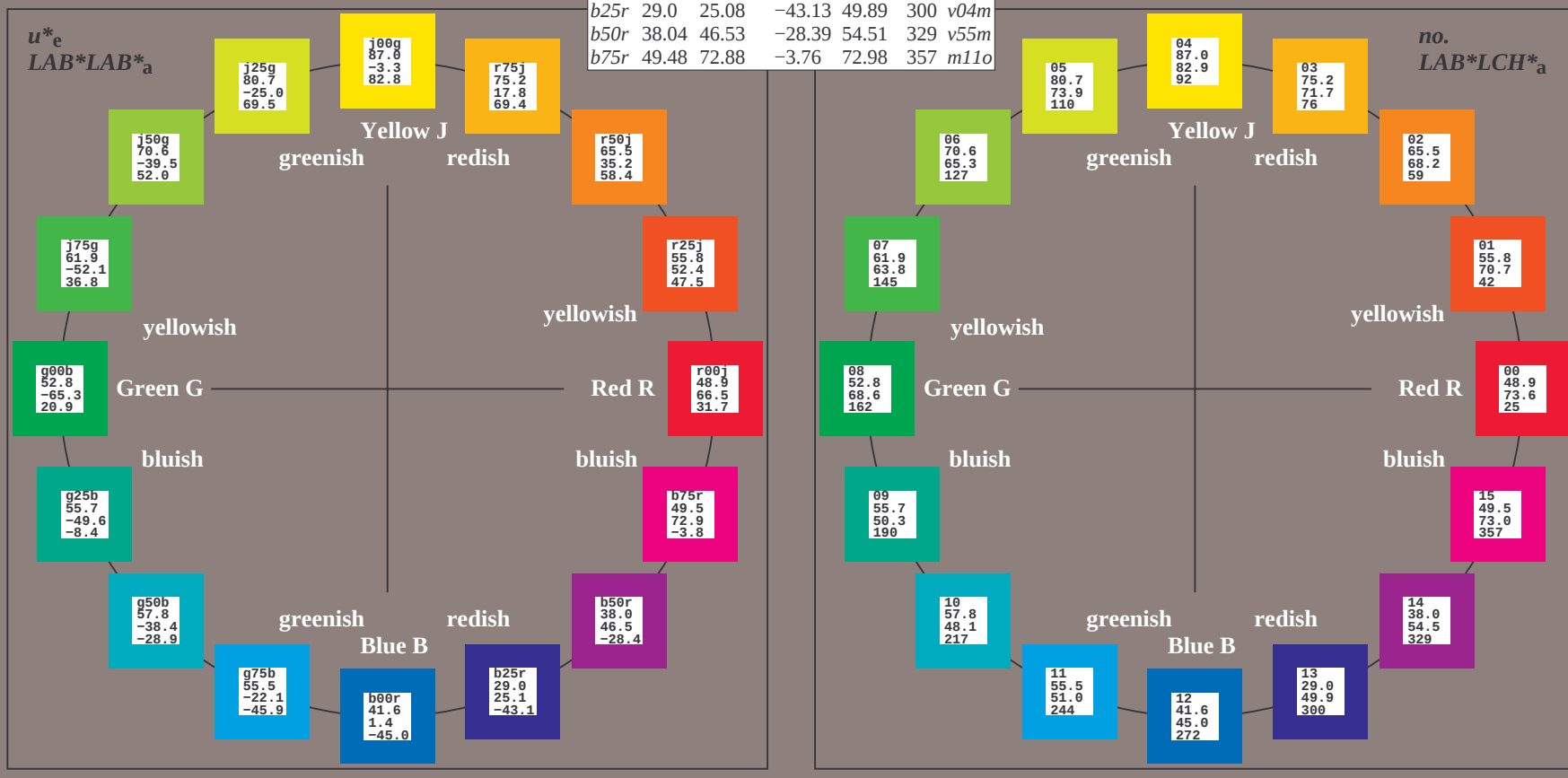
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%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
R_{CIE}	39.92	58.74	27.99	65.07	92
J_{CIE}	81.26	-2.89	71.56	71.62	25
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$

data for any colour:

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

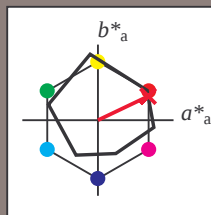
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

%Gamut

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

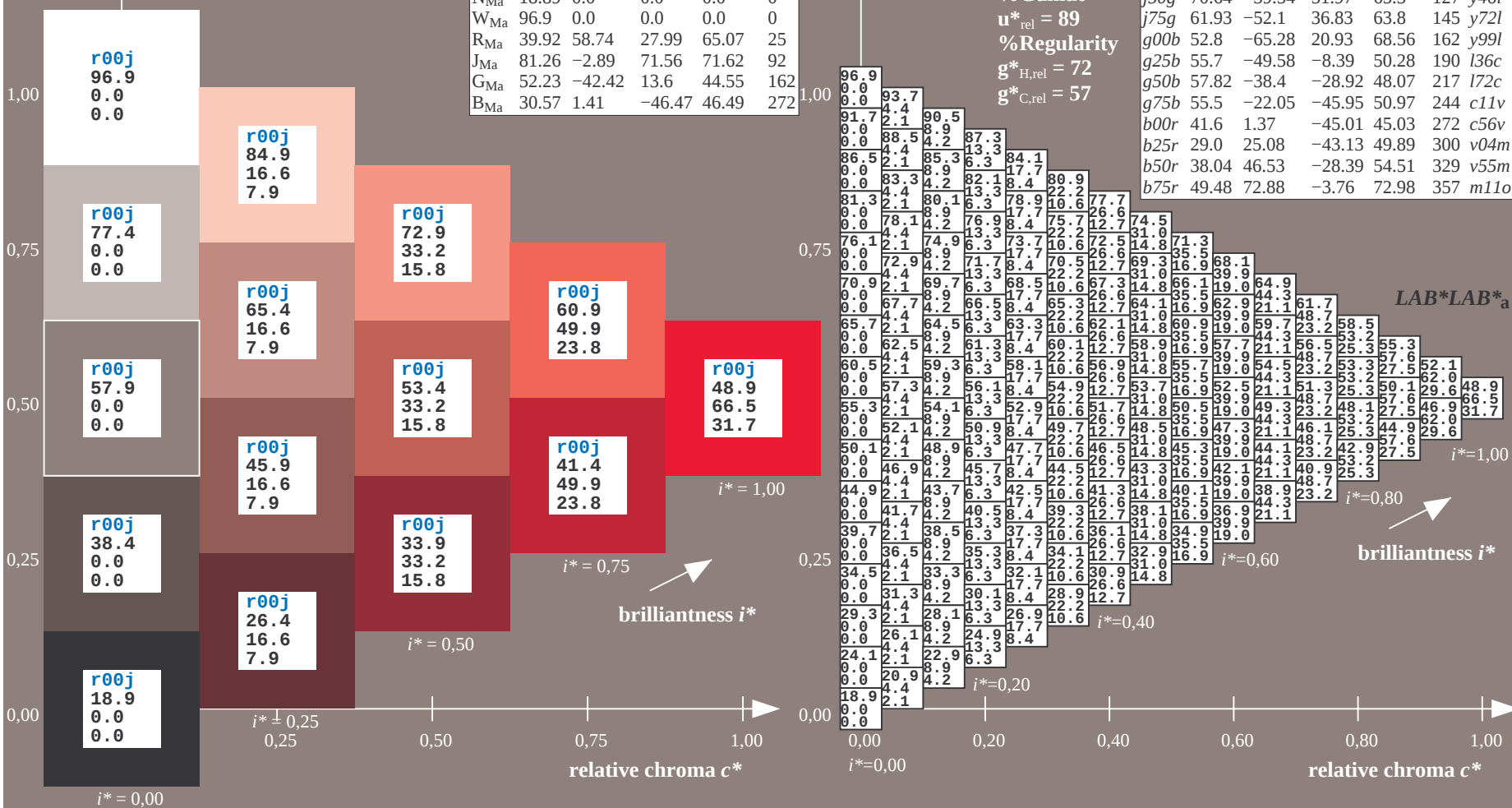
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$

data for any colour:

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

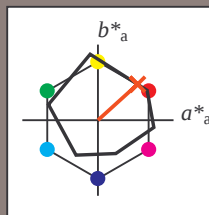
Hue texts:

$u^*_e = r25j$ $u^*_d = o17y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 0.0

triangle lightness t^*

%Gamut

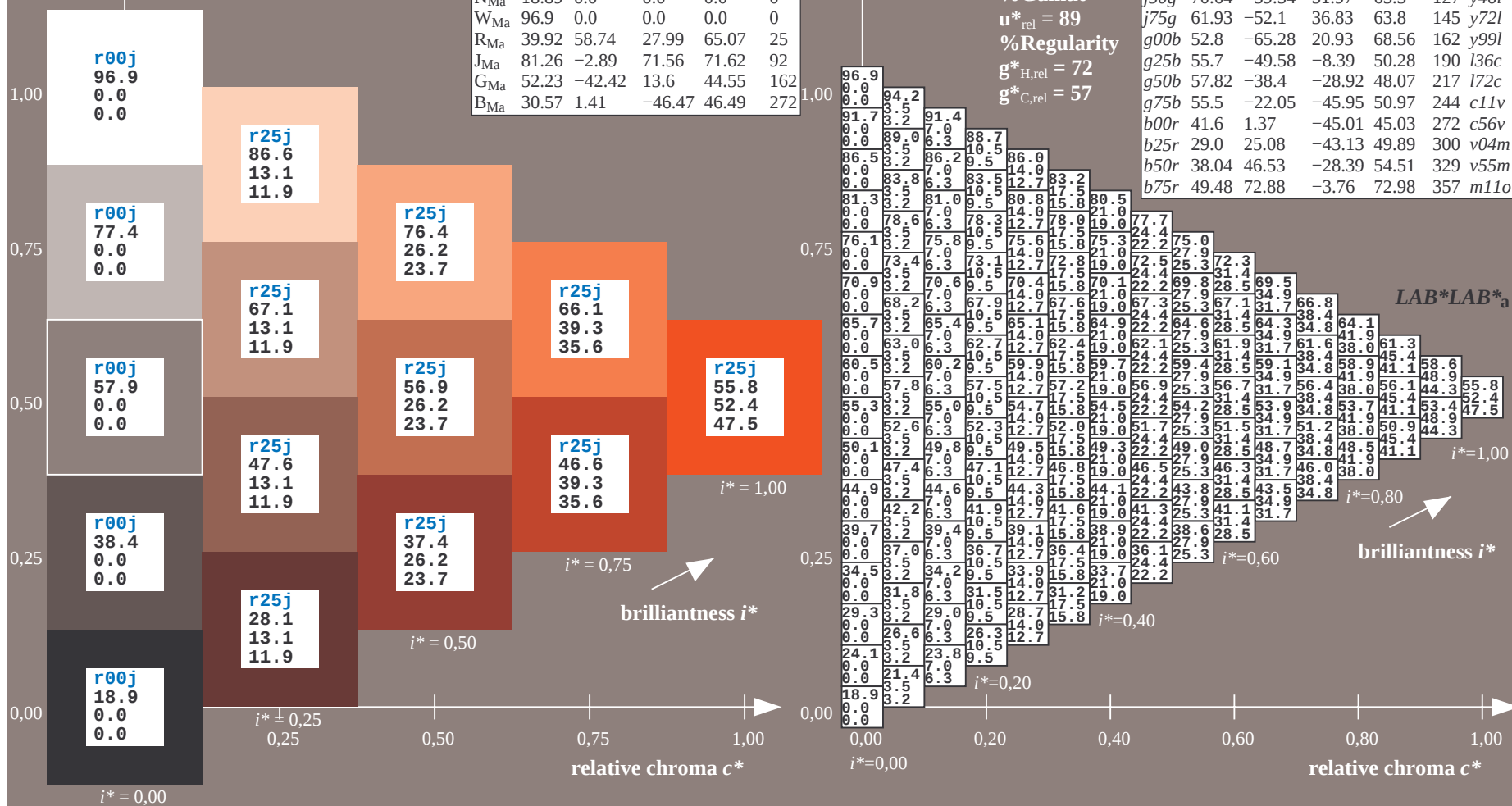
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

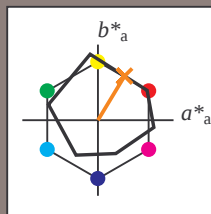
Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 65 35 58

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 65 68 58

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.42 0.0

triangle lightness t^*

%Gamut

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

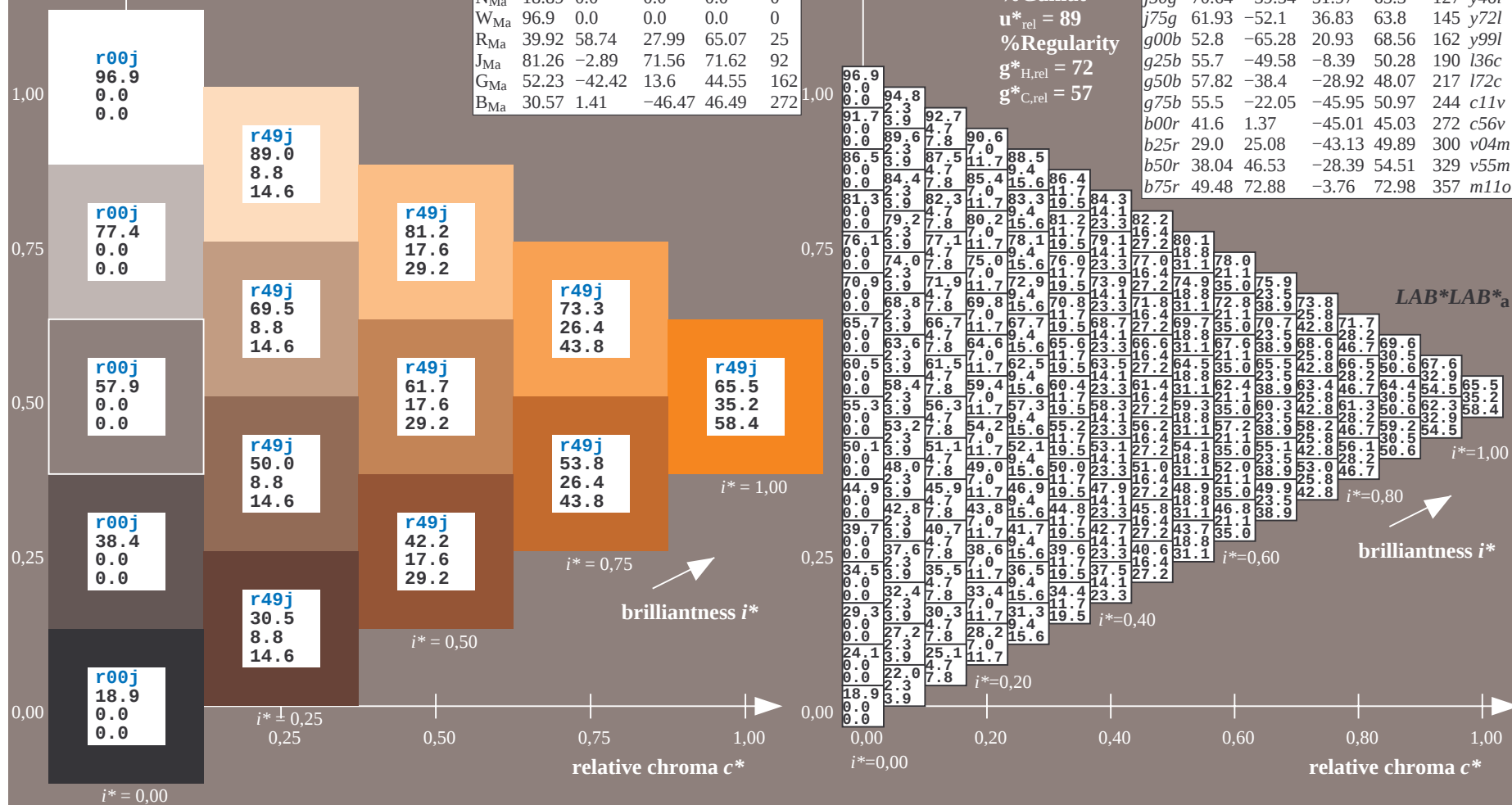
%Regularity

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

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

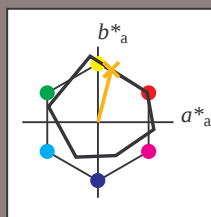
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u^*_e = r50j$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 75 72 75

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.68 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

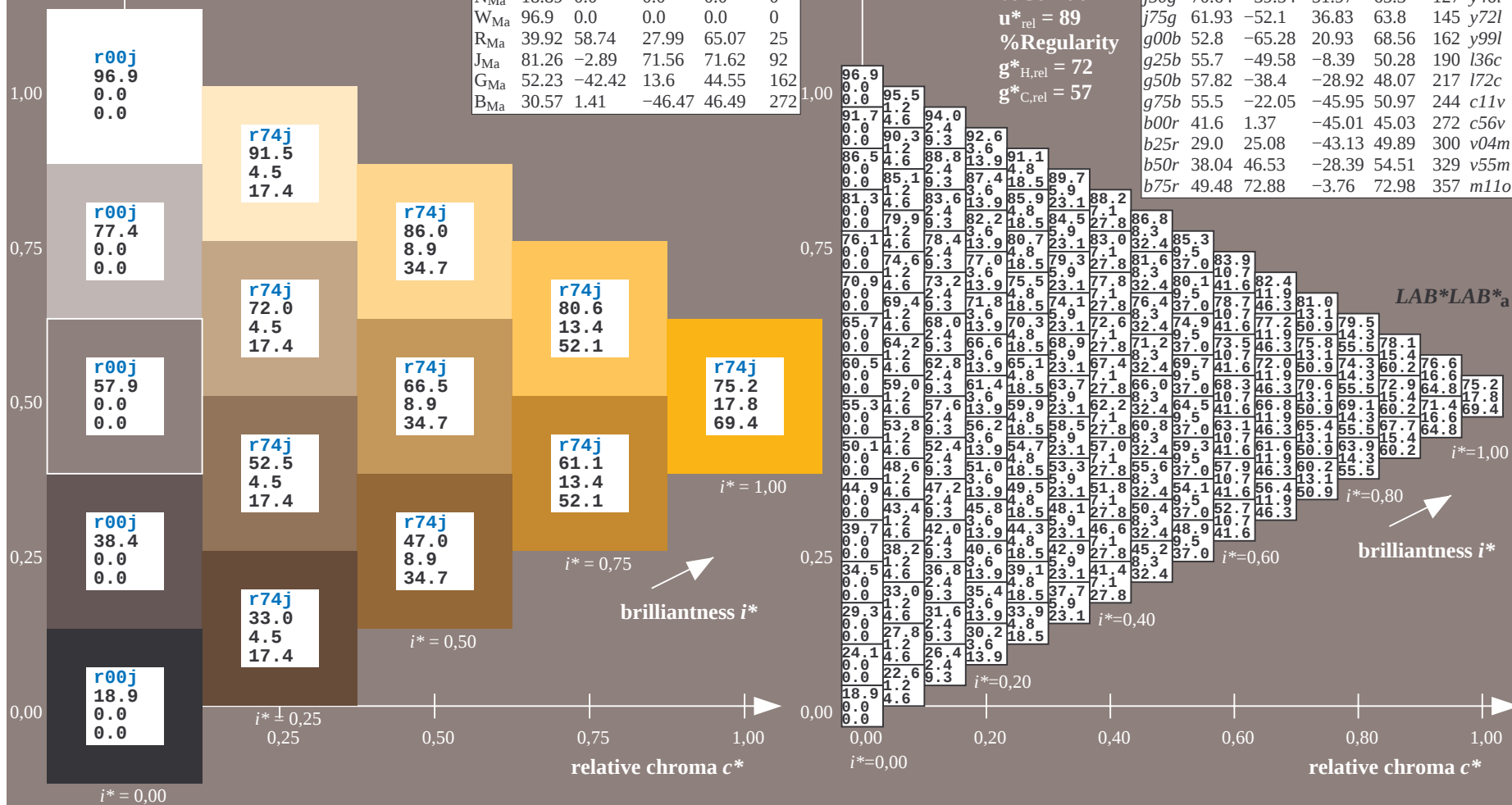
%Regularity

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

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

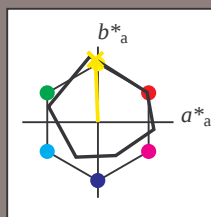
ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u^*_e = r75j$
 $\text{LAB}^*\text{LAB}^*_{Ma}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 87 -3 83

$\text{LAB}^*\text{LCH}^*_{Ma}$: 87 83 92

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.93 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = j00g$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

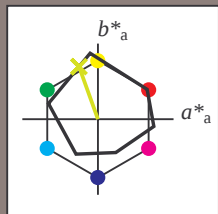
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

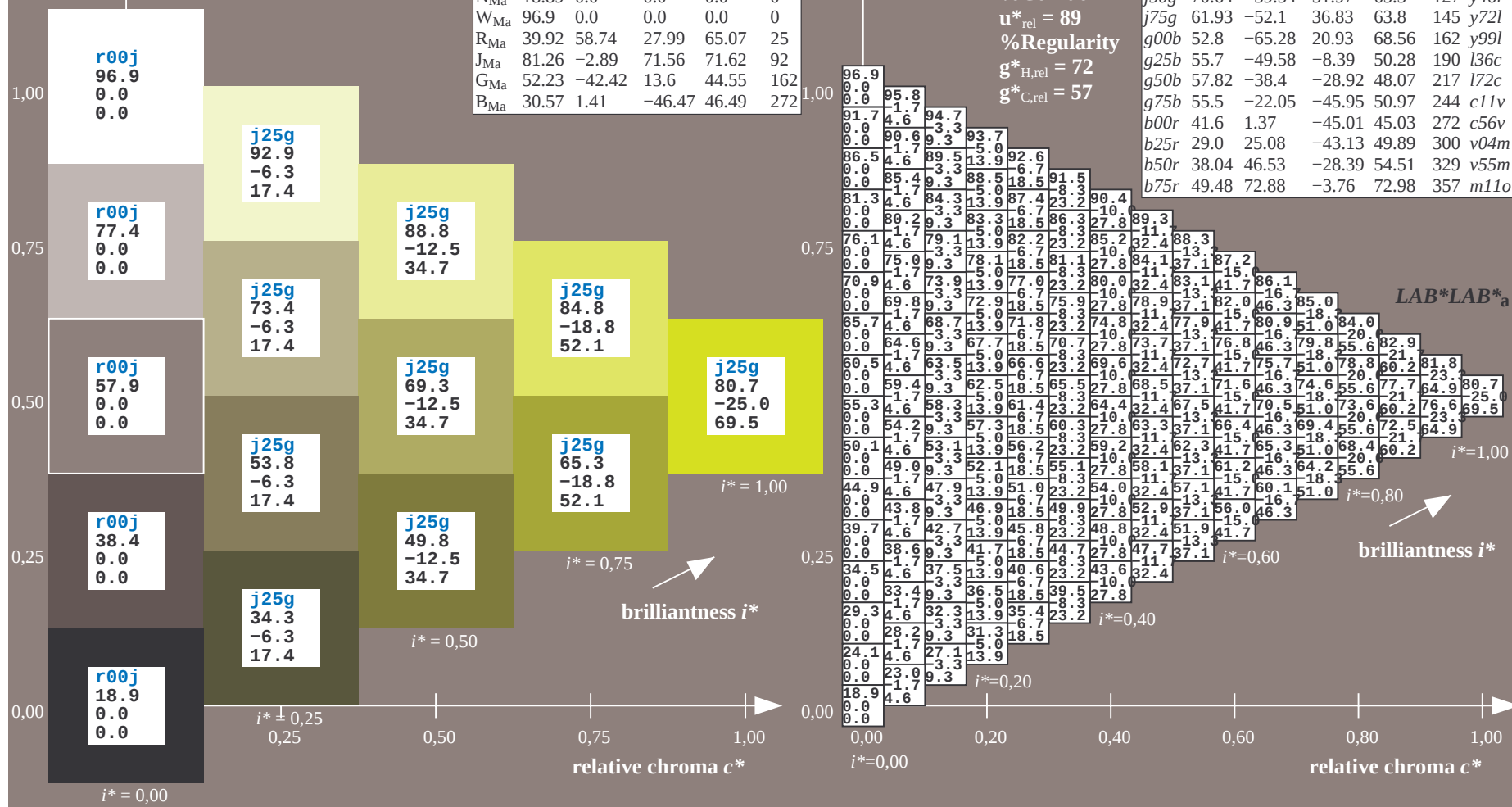
$g^*_{H,rel} = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

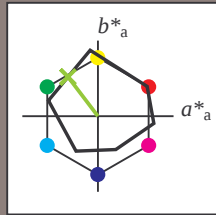
See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{Ma}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

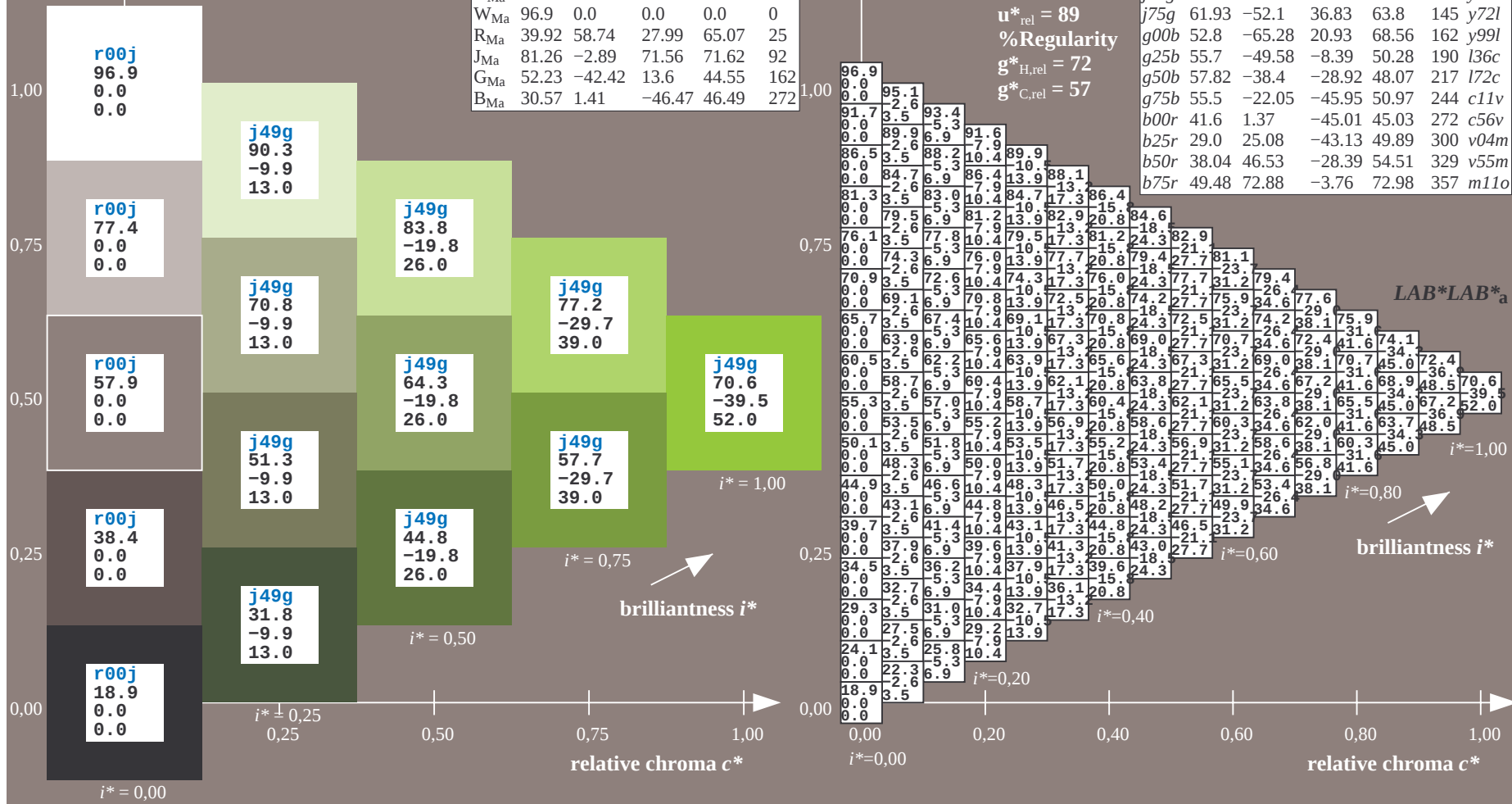
$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data							
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

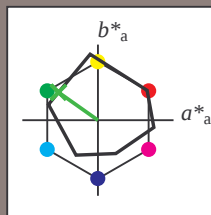
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

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

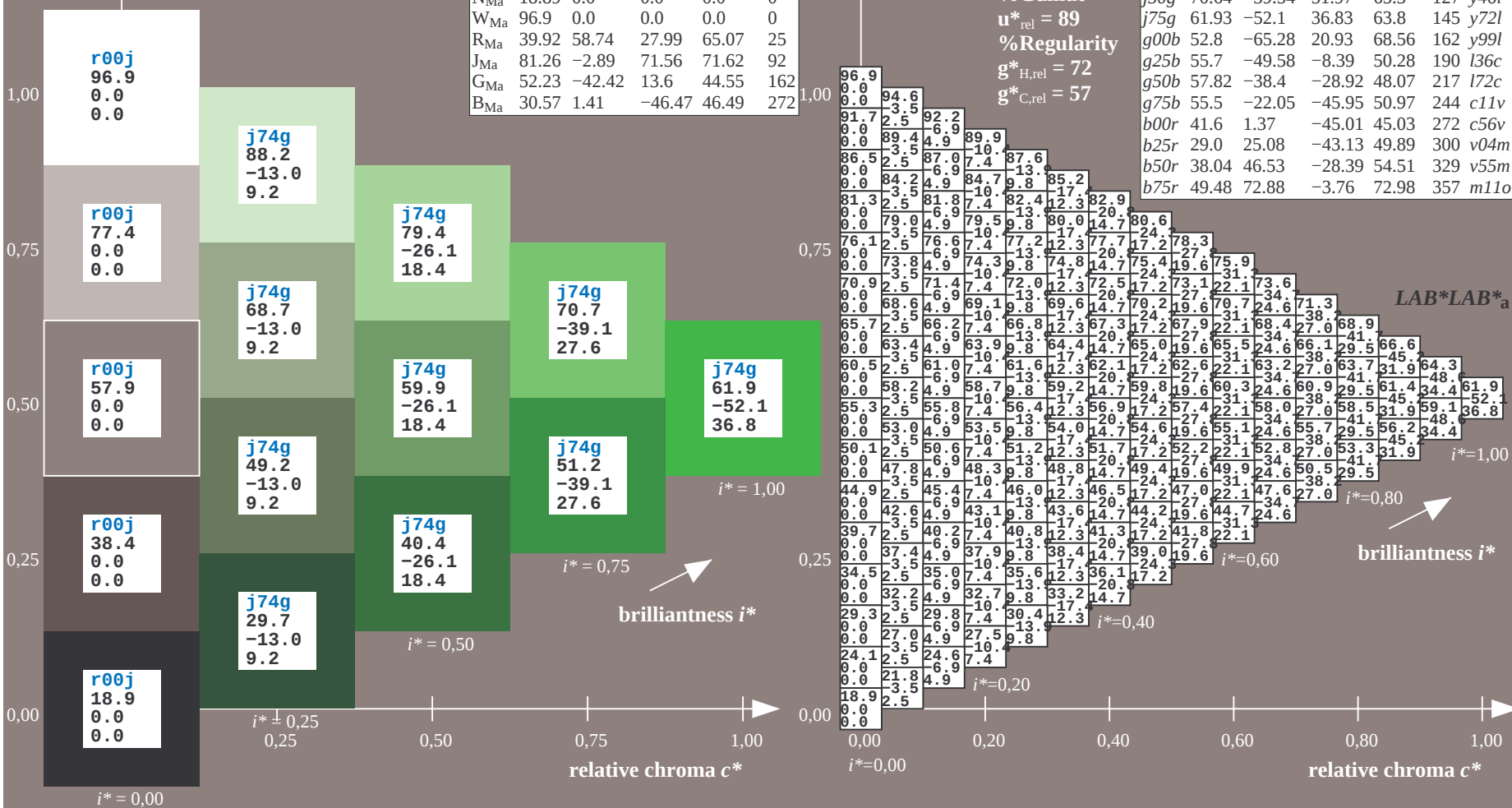
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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^*

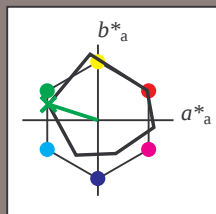
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

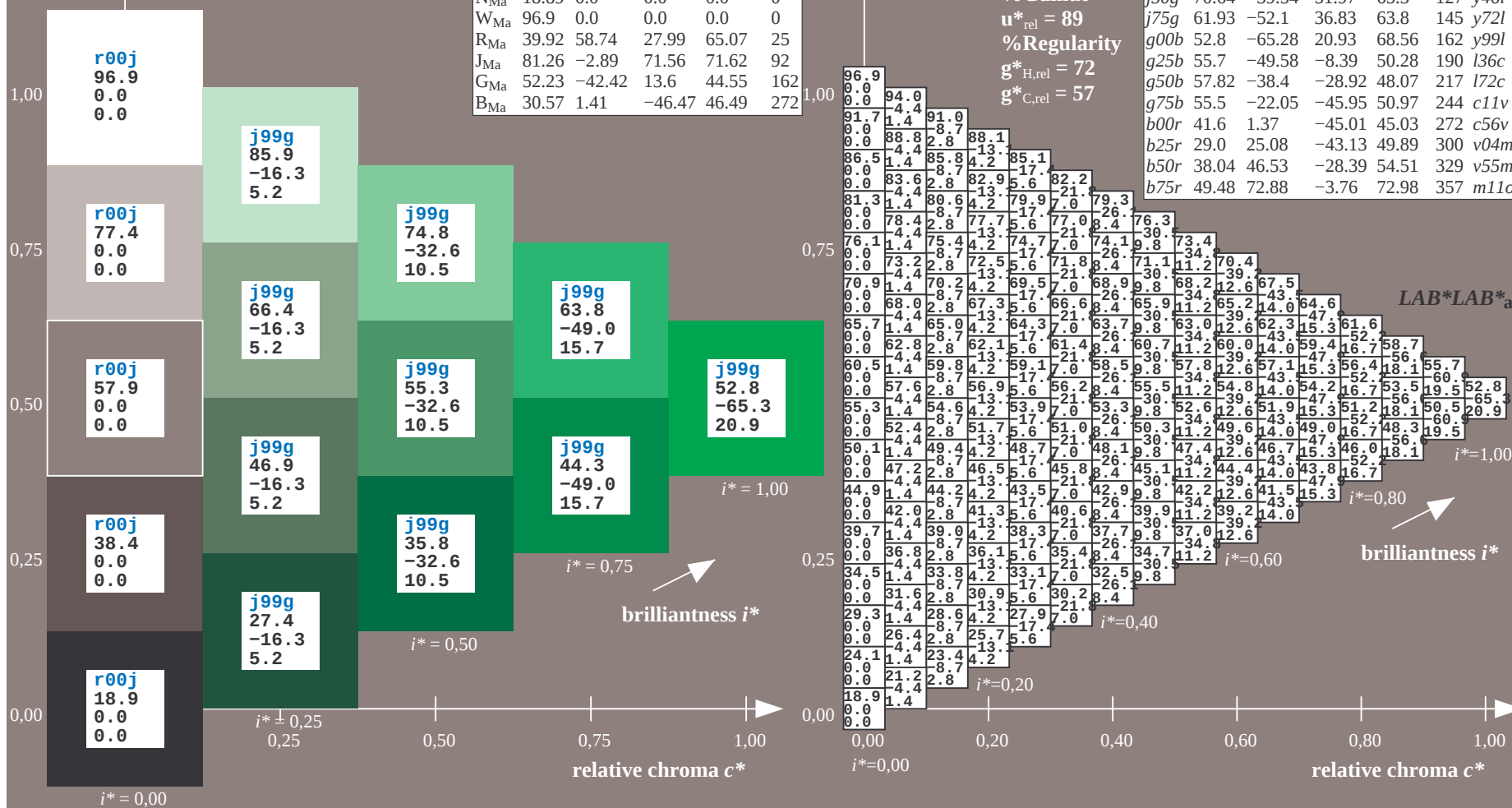
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

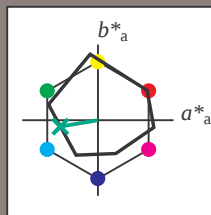
Hue texts:

$u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

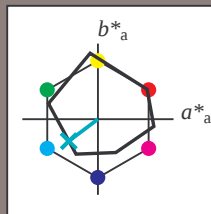
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

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

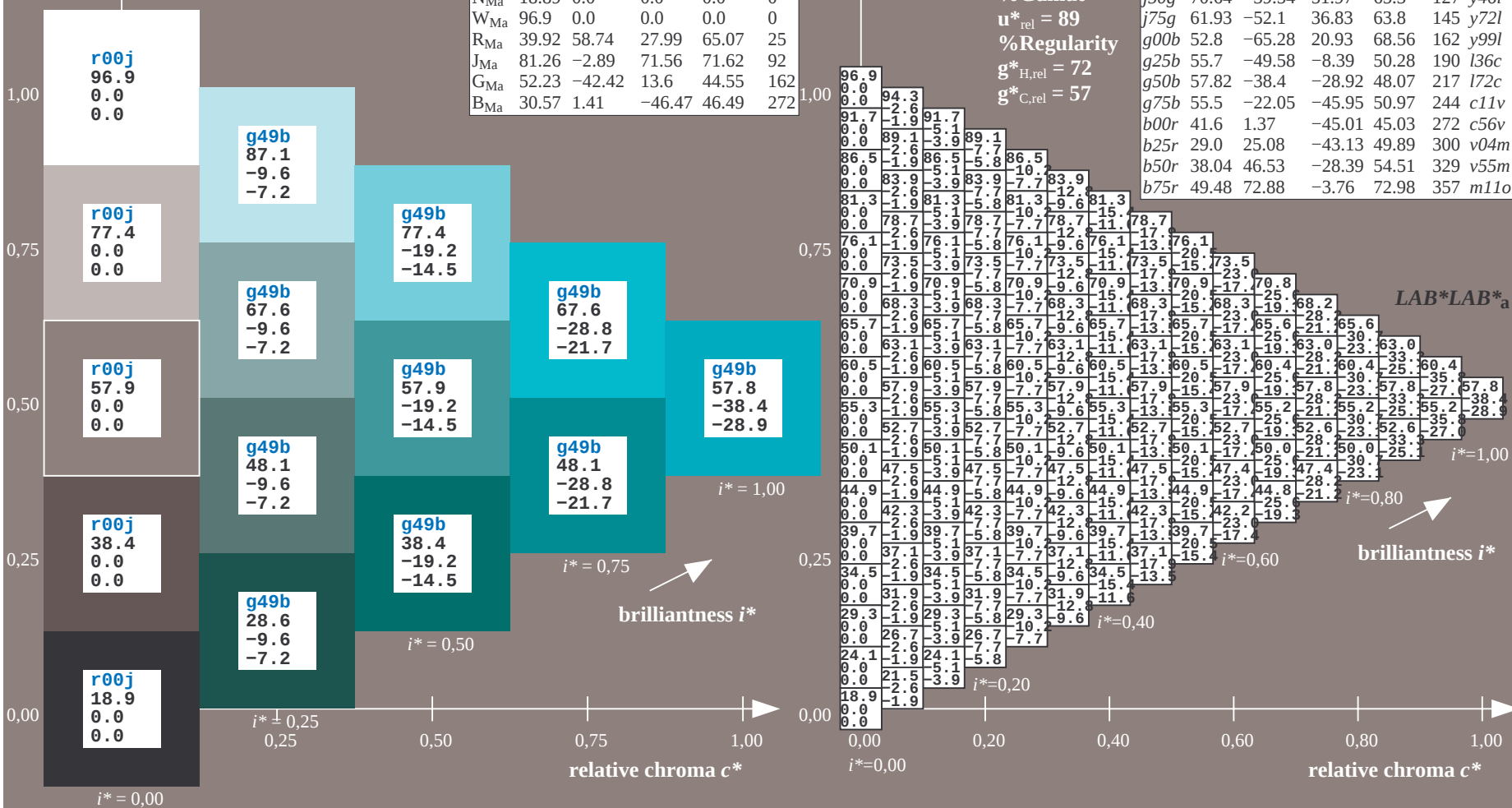
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

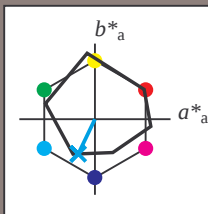
Hue texts:

$u^*_e = g75b$ $u^*_d = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{Ma}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

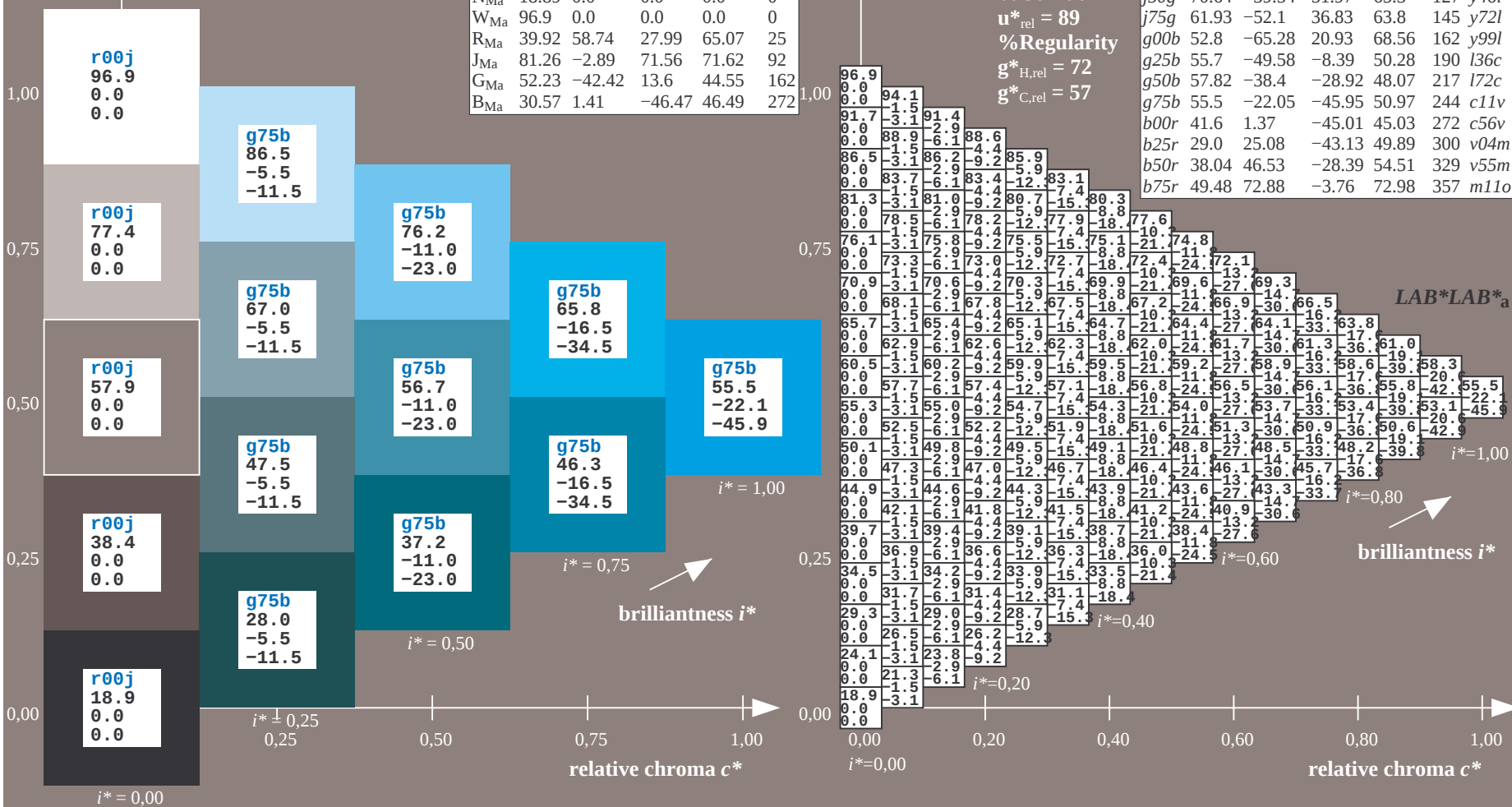
%Regularity

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

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

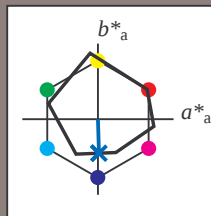
ORS19_96a; adapted (a) CIELAB data
 u^*_e $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_d

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b00r$ $u^*_d = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{Ma}$: 42 45 271

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

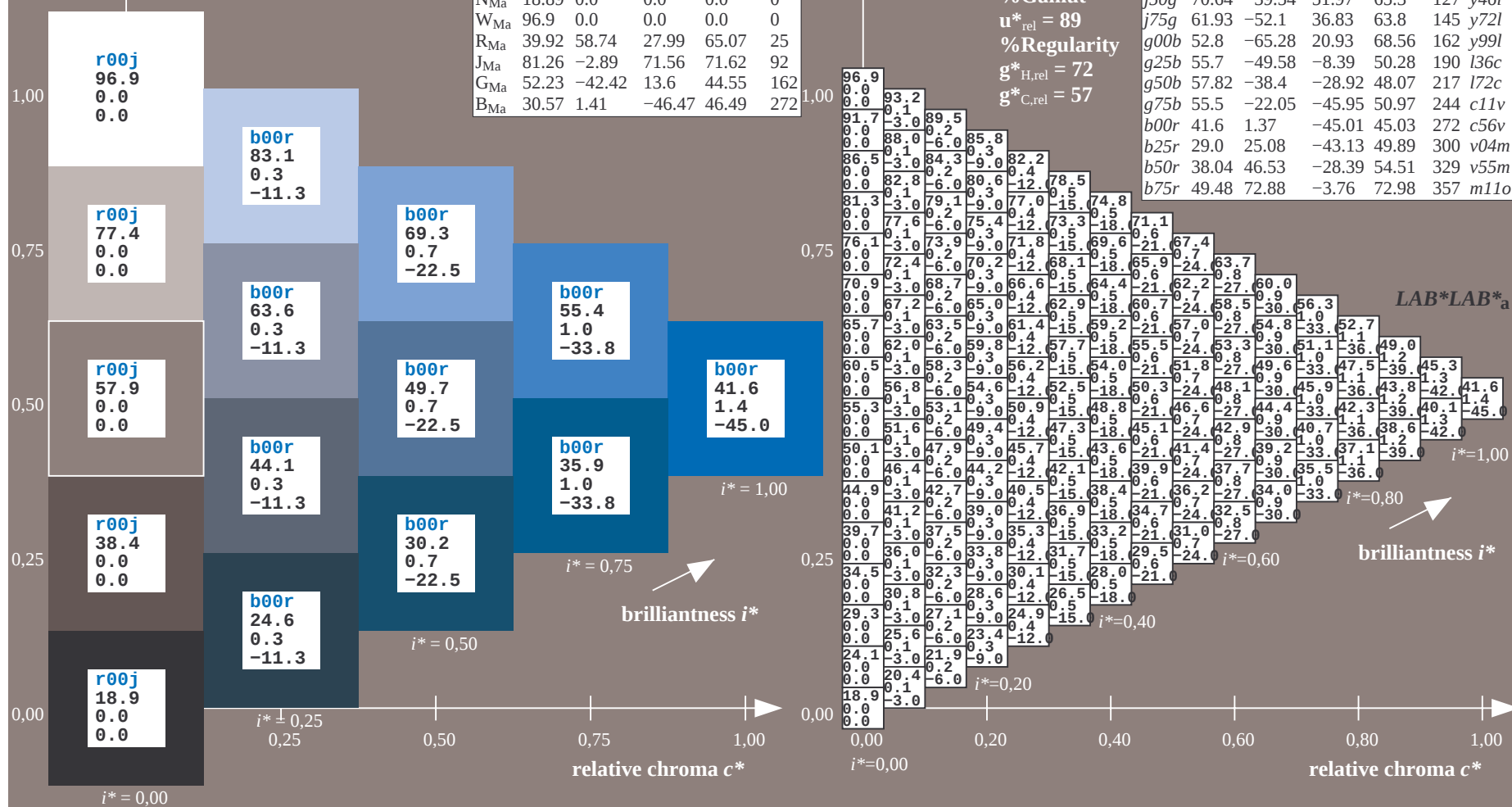
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b00r$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

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

brilliantness i^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$

data for any colour:

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

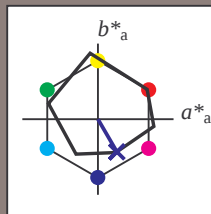
Hue texts:

$u^*_e = b25r$ $u^*_d = v04m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*_{Ma}$: 29 50 300

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.04 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^*_e $L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$ u^*_d

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b25r$
 $\text{LAB}^*\text{LAB}^*_{Ma}$

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

$i^* = 1.00$

$i^* = 0.80$

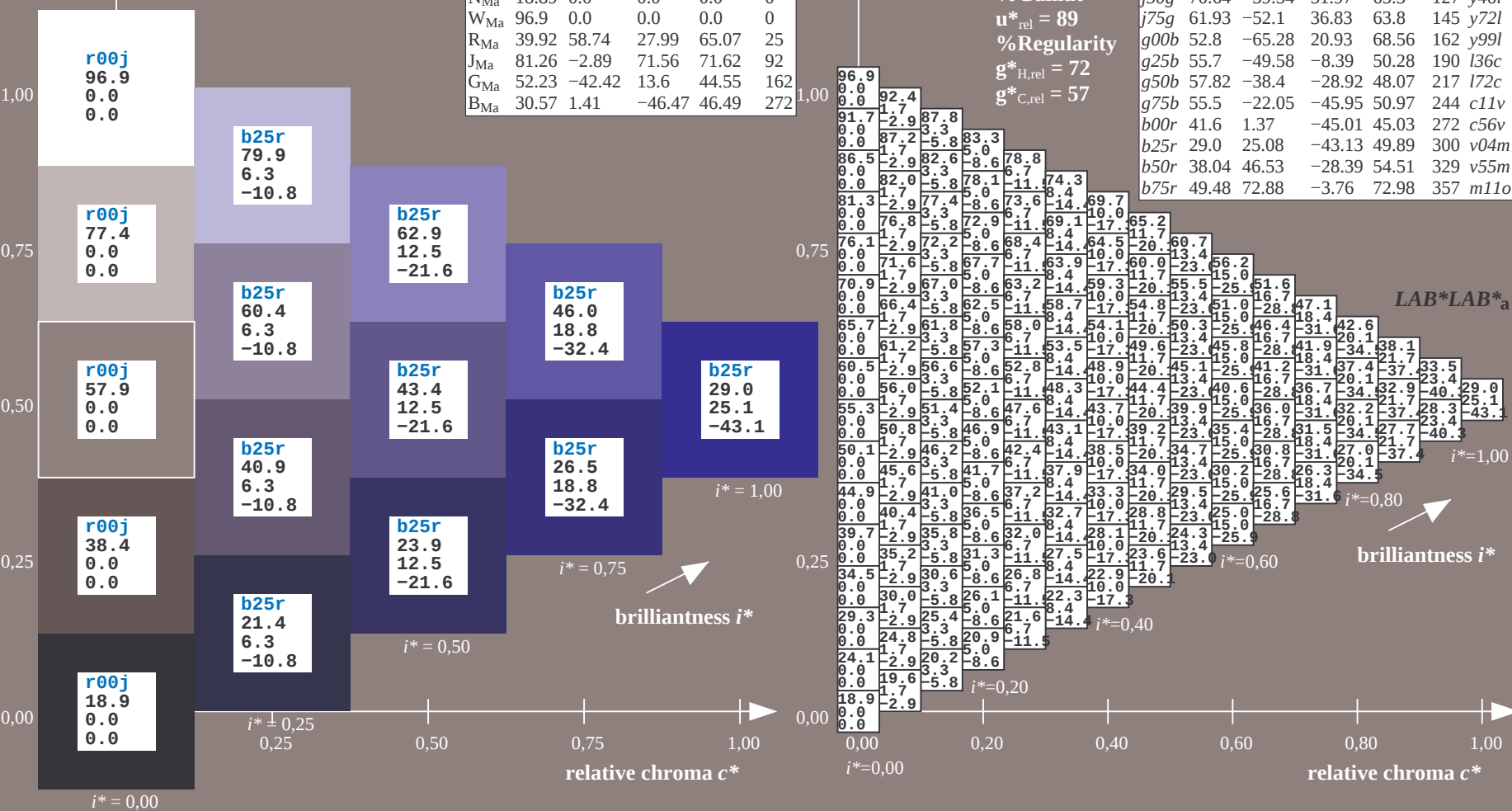
$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

brilliantness i^*



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

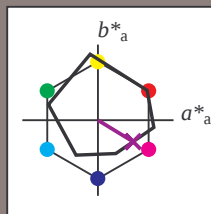
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

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

%Regularity

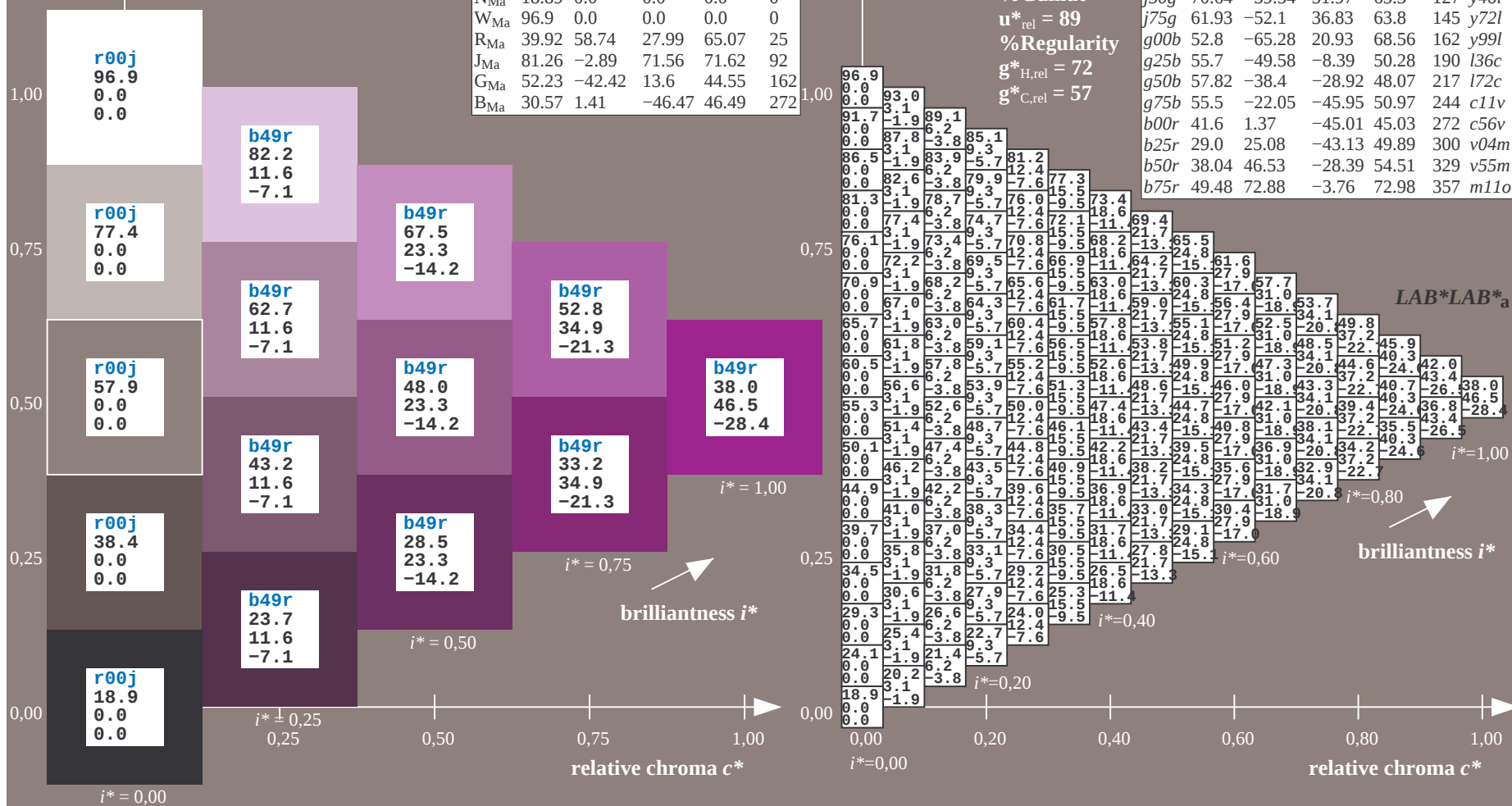
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b50r$
 $\text{LAB}^*\text{LAB}^*_{\text{a}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

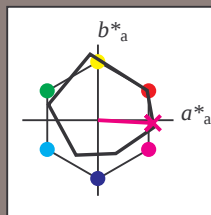
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

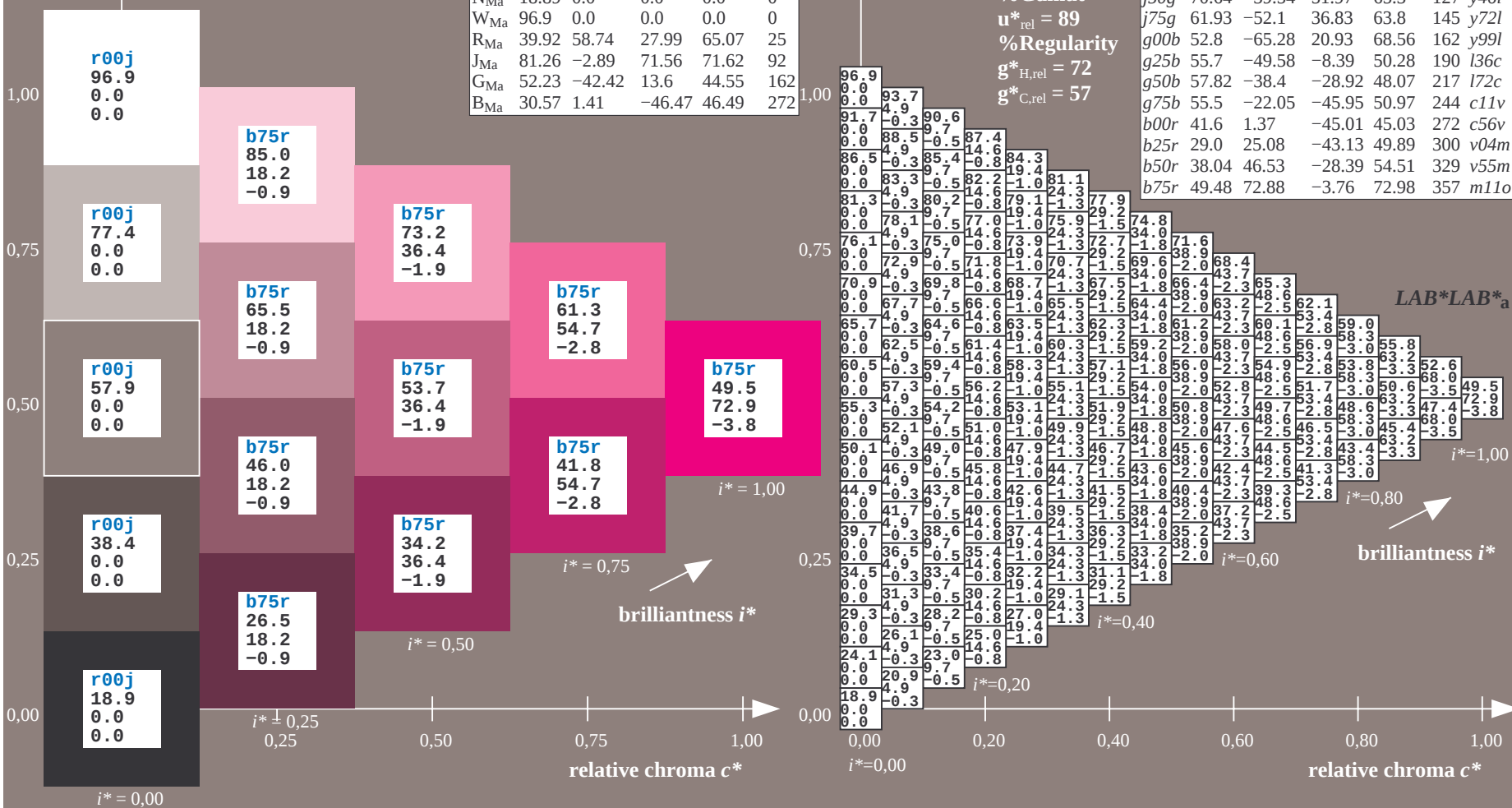
%Regularity

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

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

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

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpx=0

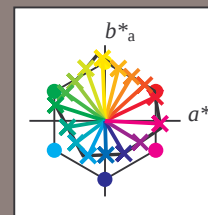
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LAB*a				
01	89.0	23.1	27.3	31.6	35.7	40.0	44.2	48.5	52.7	57.0	61.3	65.8	70.1	74.4	78.6	82.9	87.2	91.5	95.8	100.1	104.4	108.6	112.9	117.2	121.5	125.8	130.1	134.4	138.6	142.9	147.2	151.5	155.8	160.1	164.4	168.6	172.9	177.2	181.5	185.8	190.1	
02	9.0	2.6	16.4	24.5	32.8	40.9	49.1	57.3	65.4	73.5	81.6	89.7	97.8	105.9	114.0	122.1	130.2	138.3	146.4	154.5	162.6	170.7	178.8	186.9	195.0	203.1	211.2	219.3	227.4	235.5	243.6	251.7	259.8	267.9	276.0	284.1	292.2	300.3	308.4	316.5	324.6	
03	9.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	54.5	57.1	59.7	62.3	64.9	67.5	70.1	72.7	75.3	77.9	80.5	83.1	85.7	88.3	90.9	93.5	96.1	98.7	101.3		
04	20.1	24.0	28.3	32.6	36.9	41.2	45.5	49.7	54.0	58.3	62.6	66.9	71.2	75.5	79.8	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1	131.4	135.7	140.0	144.3	148.6	152.9	157.2	161.5	165.8	170.1	174.4	178.7	183.0	187.3	191.6	
05	3.0	-3.6	-11.3	-18.9	-26.7	-34.7	-42.6	-50.7	-58.7	-66.7	-74.7	-82.7	-90.7	-98.7	-106.7	-114.7	-122.7	-130.7	-138.7	-146.7	-154.7	-162.7	-170.7	-178.7	-186.7	-194.7	-202.7	-210.7	-218.7	-226.7	-234.7	-242.7	-250.7	-258.7	-266.7	-274.7	-282.7	-290.7	-298.7	-306.7		
06	-5.0	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2	9.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	54.5	57.1	59.7	62.3	64.9	67.5	70.1	72.7	75.3	77.9	
07	21.3	25.0	29.1	33.4	37.7	42.1	46.4	50.7	55.0	59.3	63.6	67.9	72.2	76.5	80.8	85.1	89.4	93.7	98.0	102.3	106.6	110.9	115.2	119.5	123.8	128.1	132.4	136.7	141.0	145.3	149.6	153.9	158.2	162.5	166.8	171.1	175.4	179.7	184.0	188.3	192.6	
08	5.9	-0.4	-7.2	-15.0	-22.6	-30.2	-37.9	-45.6	-53.3	-61.0	-68.7	-76.4	-84.1	-91.8	-99.5	-107.2	-114.9	-122.6	-130.3	-138.0	-145.7	-153.4	-161.1	-168.8	-176.5	-184.2	-191.9	-199.6	-207.3	-215.0	-222.7	-230.4	-238.1	-245.8	-253.5	-261.2	-268.9	-276.6	-284.3	-292.0		
09	-11.0	-11.3	-11.6	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	-7.6	-5.5	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2	9.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	28.5	31.1	33.7	36.3	38.9	41.5	44.1	46.7	49.3	51.9	
10	22.5	26.3	29.9	34.2	38.4	42.8	47.1	51.5	55.8	60.1	64.5	68.8	73.2	77.5	81.9	86.2	90.6	94.9	99.3	103.6	107.9	112.3	116.6	120.9	125.3	129.6	133.9	138.3	142.6	146.9	151.3	155.6	159.9	164.3	168.6	172.9	177.3	181.6	185.9	190.3	194.6	198.9
11	8.9	2.4	-3.6	-10.9	-18.8	-26.3	-33.8	-41.4	-49.1	-56.8	-64.4	-72.0	-79.6	-87.2	-94.8	-102.4	-110.0	-117.6	-125.2	-132.8	-140.4	-148.0	-155.6	-163.2	-170.8	-178.4	-186.0	-193.6	-201.2	-208.8	-216.4	-224.0	-231.6	-239.2	-246.8	-254.4	-262.0	-269.6	-277.2	-284.8		
12	-16.5	-16.8	-17.0	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3	-13.2	-11.0	-11.3	-11.6	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	-7.6	-5.5	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2	9.0	2.6	5.2	7.8	10.4	13.0	15.6	18.2	20.7	23.3	25.9	
13	23.6	27.6	31.1	34.8	39.2	43.5	47.8	52.2	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	125.3	129.6	133.9	138.2	142.5	146.8	151.1	155.4	159.7	164.0	168.3	172.6	176.9	181.2	185.5	189.8	194.1	
14	11.8	5.2	-0.8	-7.0	-14.5	-22.5	-30.1	-37.6	-45.1	-52.6	-60.1	-67.6	-75.1	-82.6	-90.1	-97.6	-105.1	-112.6	-120.1	-127.6	-135.1	-142.6	-150.1	-157.6	-165.1	-172.6	-180.1	-187.6	-195.1	-202.6	-210.1	-217.6	-225.1	-232.6	-240.1	-247.6	-255.1	-262.6	-270.1	-277.6		
15	-22.1	-22.3	-22.6	-22.8	-23.1	-20.9	-19.3	-18.0	-16.6	-18.7	-16.5	-16.8	-17.0	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3	-13.2	-11.0	-11.3	-11.6	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2	-7.6	-5.5	-5.8	-4.1	-2.5	-0.6	1.5	3.7	6.0	8.4	1.2		
16	24.8	28.8	32.4	35.9	39.8	44.3	48.6	52.9	57.3	61.6	65.9	70.2	74.5	78.8	83.1	87.4	91.7	96.0	100.3	104.6	108.9	113.2	117.5	121.8	126.1	130.4	134.7	139.0	143.3	147.6	151.9	156.2	160.5	164.8	169.1	173.4	177.7	182.0	186.3	190.6	194.9	
17	14.8	8.0	2.0	-4.0	-10.4	-18.1	-26.2	-33.8	-41.9	-49.7	-57.2	-64.7	-72.2	-79.7	-87.2	-94.7	-102.2	-109.7	-117.2	-124.7	-132.2	-139.7	-147.2	-154.7	-162.2	-169.7	-177.2	-184.7	-192.2	-199.7	-207.2	-214.7	-222.2	-229.7	-237.2	-244.7	-252.2	-259.7	-267.2			
18	-27.6	-27.6	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9	-23.5	-24.2	-22.2	-22.6	-22.6	-22.6	-23.1	-20.9	-19.3	-18.0	-16.6	-18.7	-16.5	-16.8	-17.0	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3	-13.2	-11.0	-11.3	-11.6	-9.7	-8.3	-6.7	-5.0	-3.2	-1.2			
19	26.0	30.1	33.7	37.2	40.8	44.8	49.4	54.0	58.3	62.6	66.9	71.2	75.5	79.8	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1	131.4	135.7	140.0	144.3	148.6	152.9	157.2	161.5	165.8	170.1	174.4	178.7	183.0	187.3	191.6	195.9	
20	17.7	10.9	4.8	-1.2	-7.2	-13.9	-21.7	-29.9	-37.6	-45.8	-53.5	-61.2	-68.9	-76.6	-84.3	-92.0	-99.7	-107.4	-115.1	-122.8	-130.5	-138.2	-145.9	-153.6	-161.3	-169.0	-176.7	-184.4	-192.1	-199.8	-207.5	-215.2	-222.9	-230.6	-238.3	-246.0	-253.7	-261.4	-269.1			
21	-33.1	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-30.5	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9	-23.5	-24.2	-22.2	-22.6	-22.6	-22.6	-23.1	-20.9	-19.3	-18.0	-16.6	-18.7	-16.5	-16.8	-17.0	-17.3	-15.2	-13.8	-12.4	-10.9	-9.3			
22	27.2	31.3	35.0	38.5	42.1	45.8	49.6	54.5	58.7	62.9	67.3	71.7	76.1	80.5	84.9	89.3	93.7	98.1	102.5	106.9	111.3	115.7	120.1	124.5	128.9	133.3	137.7	142.1	146.5	150.9	155.3	159.7	164.1	168.5	172.9	177.3	181.7	186.1	190.5	194.9	199.3	
23	-38.6	-38.9	-39.1	-39.4	-39.6	-39.9	-40.1	-40.4	-37.9	-35.3	-33.3	-33.1	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-30.5	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9	-23.5	-24.2	-22.2	-22.6	-22.6	-22.6	-23.1	-20.9	-19.3	-18.0			
24	28.4	32.5	36.2	39.8	43.3	46.9	50.7	54.9	59.6	63.5	67.0	70.8	74.8	78.8	82.9	86.9	90.9	94.9	98.9	102.9	106.9	110.9	114.9	118.9	122.9	126.9	130.9	134.9	138.9	142.9	146.9	150.9	154.9	158.9	162.9	166.9	170.9	174.9	178.9	182.9		
25	23.6	16.7	10.4	4.4	-1.5	-7.6	-14.0	-21.0	-29.0	-36.8	-44.9	-52.3	-60.1	-67.9	-75.7	-83.5	-91.3	-99.1	-106.9	-114.7	-122.5	-130.3	-138.1	-145.9	-153.7	-161.5	-169.3	-177.1	-184.9	-192.7	-200.5	-208.3	-216.1	-223.9	-231.7	-239.5	-247.3	-255.1	-262.9			
26	-44.1	-44.4	-44.7	-44.9	-45.1	-45.4	-45.6	-45.9	-46.2	-40.8	-38.6	-38.9	-39.1	-39.4	-39.6	-39.9	-40.1	-40.4	-37.9	-35.3	-33.3	-33.1	-33.4	-33.6	-33.8	-34.1	-34.4	-34.7	-32.2	-30.5	-29.7	-27.6	-27.8	-28.1	-28.3	-28.6	-28.9	-26.5	-24.9			
27	36.1	35.1	39.8	45.9	49.9	54.2	58.6	63.1	67.5	71.9	76.3	80.7	85.1	89.5	93.9	98.3	102.7	107.1	111.5	115.9	120.3	124.7	129.1	133.5	137.9	142.3	146.7	151.1	155.5	159.9	164.3	168.7	173.1	177.5	181.9	186.3	190.7	195.1	199.5	203.9		
28	14.4	15.5	7.0	-3.9	-14.1	-22.7	-30.9	-39.1	-47.2	-55.3	-63.3	-71.3	-79.3	-87.3	-95.3	-103.3	-111.3	-119.3	-127.3	-135.3	-143.3	-151.3	-159.3	-167.3	-175.3	-183.3	-191.3	-199.3	-207.3	-215.3	-223.3	-231.3	-239.3	-247.3	-255.3	-263.3	-271.3	-279.3	-287.3			
29	14.8	20.5	25.8	32.7	32.9	34.9	37.4	40.1	42.8	45.5	48.2	50.9	53.6	56.3	59.0	61.7	64.4	67.1	69.8	72.5	75.2	77.9	80.6	83.3	86.0	88.7	91.4	94.1	96.8	99.5	102.2	104.9	107.6	110.3	113.0	115.7	118.4	121.1	123.8	126.5		
30	2.2	3.6	1.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	84.0	88.3	92.6	96.9	101.2	105.5	109.8	114.1	118.4	122.7	127.0	131.3	135.6	139.9	144.2	148.5	152.8	157.1	161.4	165.7	170.0	174.3	178.6	182.9	187.2	191.5	195.8		
31	25.5	16.3	7.5	-2.6	-12.3	-20.6	-28.7	-36.8	-44.9	-53.0	-61.1	-69.2	-77.3	-85.4	-93.5	-101.6	-109.7	-117.8	-125.9	-134.0	-142.1	-150.2	-158.3	-166.4	-174.5	-182.6	-190.7	-198.8	-206.9	-215.0	-223.1	-231.2	-239.3	-247.4	-255.5	-263.6	-271.7	-279.8	-287.9			

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

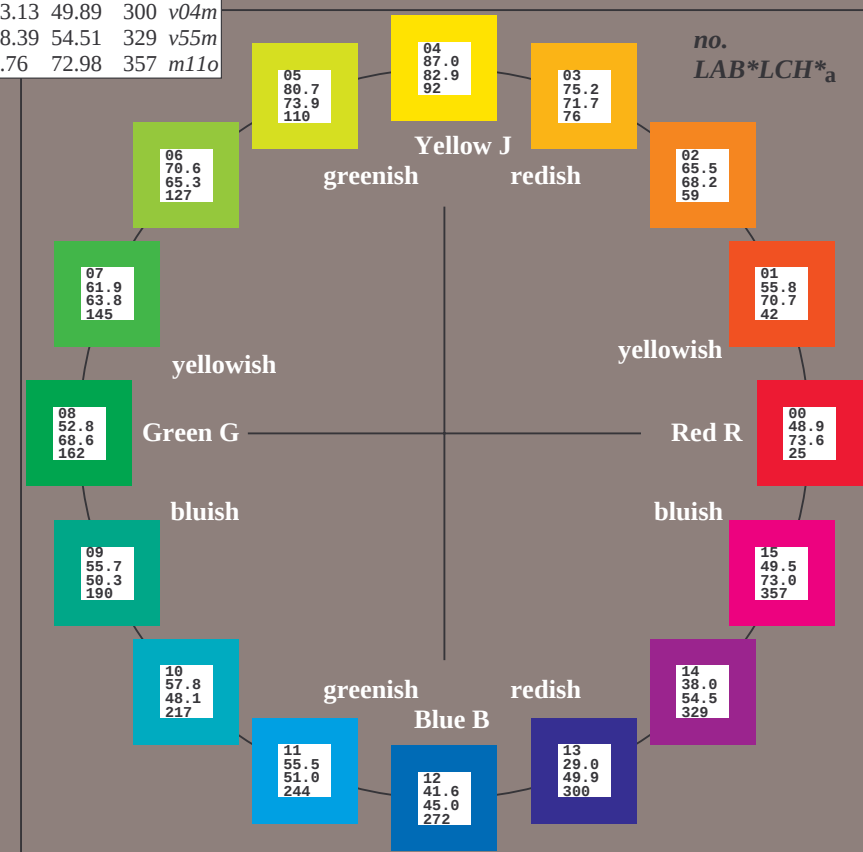
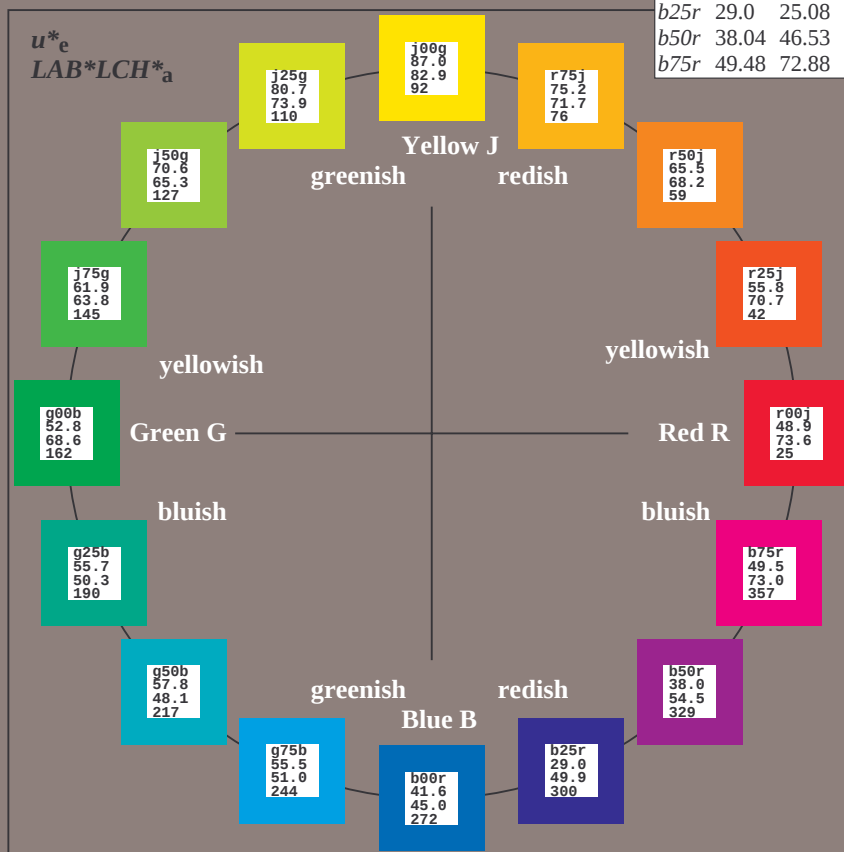
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



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

ORS19_96a; adapted (a) CIELAB data

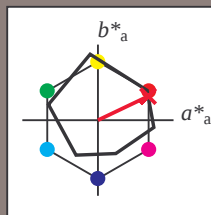
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

%Gamut

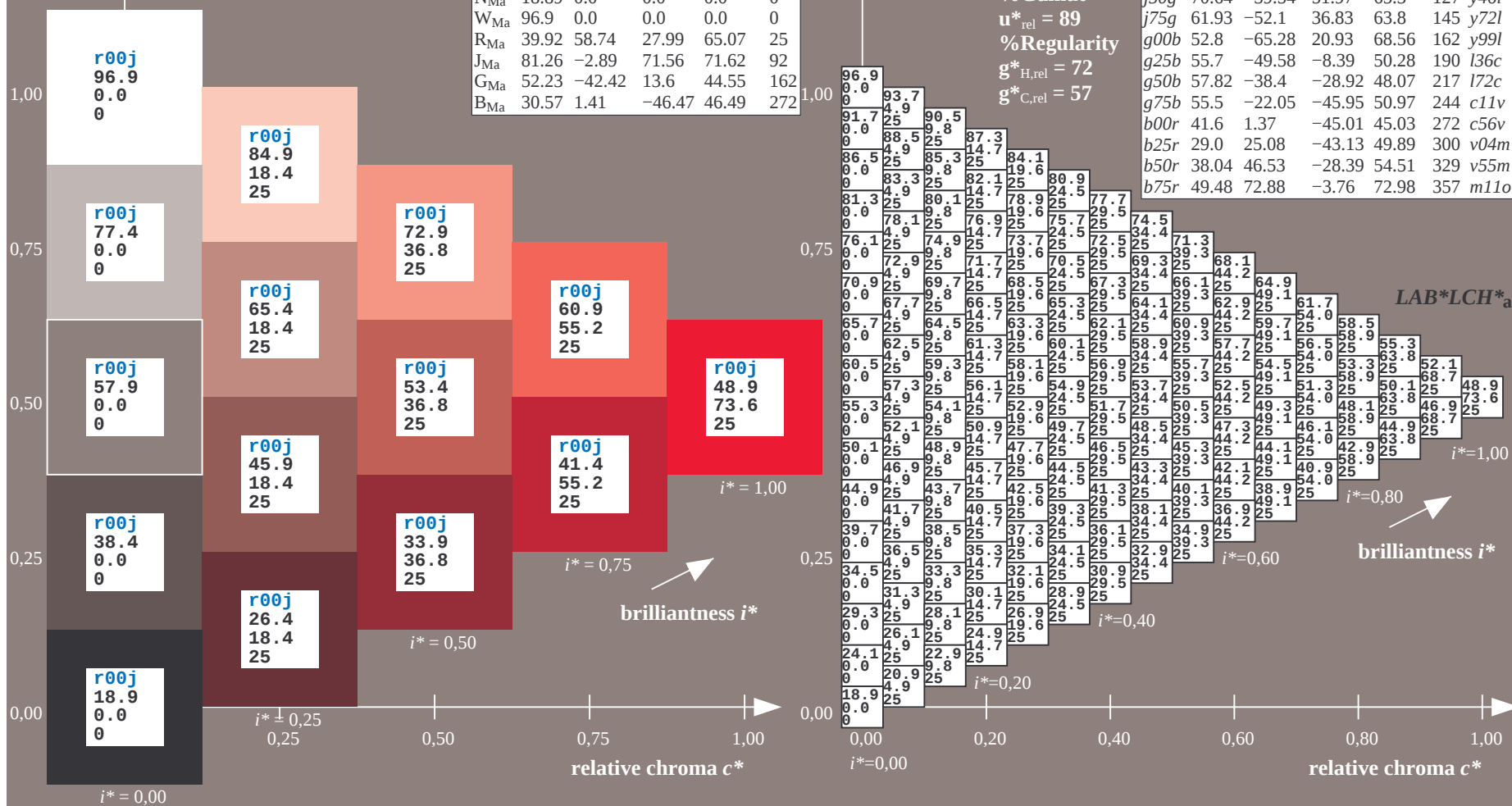
$u^*_{\text{rel}} = 89$

%Regularity

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

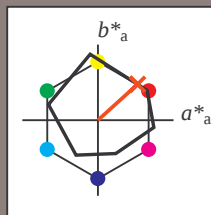
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 71 42

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.17 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u_e^* = r25j$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

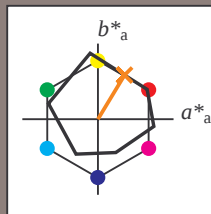
$i^* = 0.20$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 65 35 58

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 65 68 58

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.42 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = r50j$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

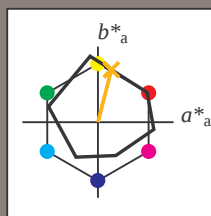
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 75 72 75

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.68 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

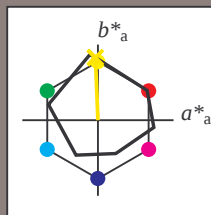
$i^*=0.20$

$i^*=0.00$

brilliantness i^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 87 -3 83

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 87 83 92

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.93 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = j00g$
 $\text{LAB}^*\text{LCH}^*_{\text{a}}$

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

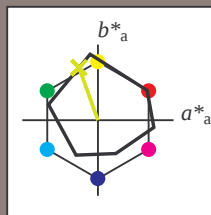
$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.8 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = j25g$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$

data for any colour:

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

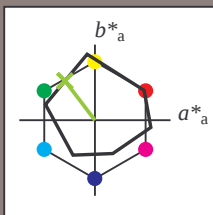
Hue texts:

$u^*_e = j50g$ $u^*_d = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

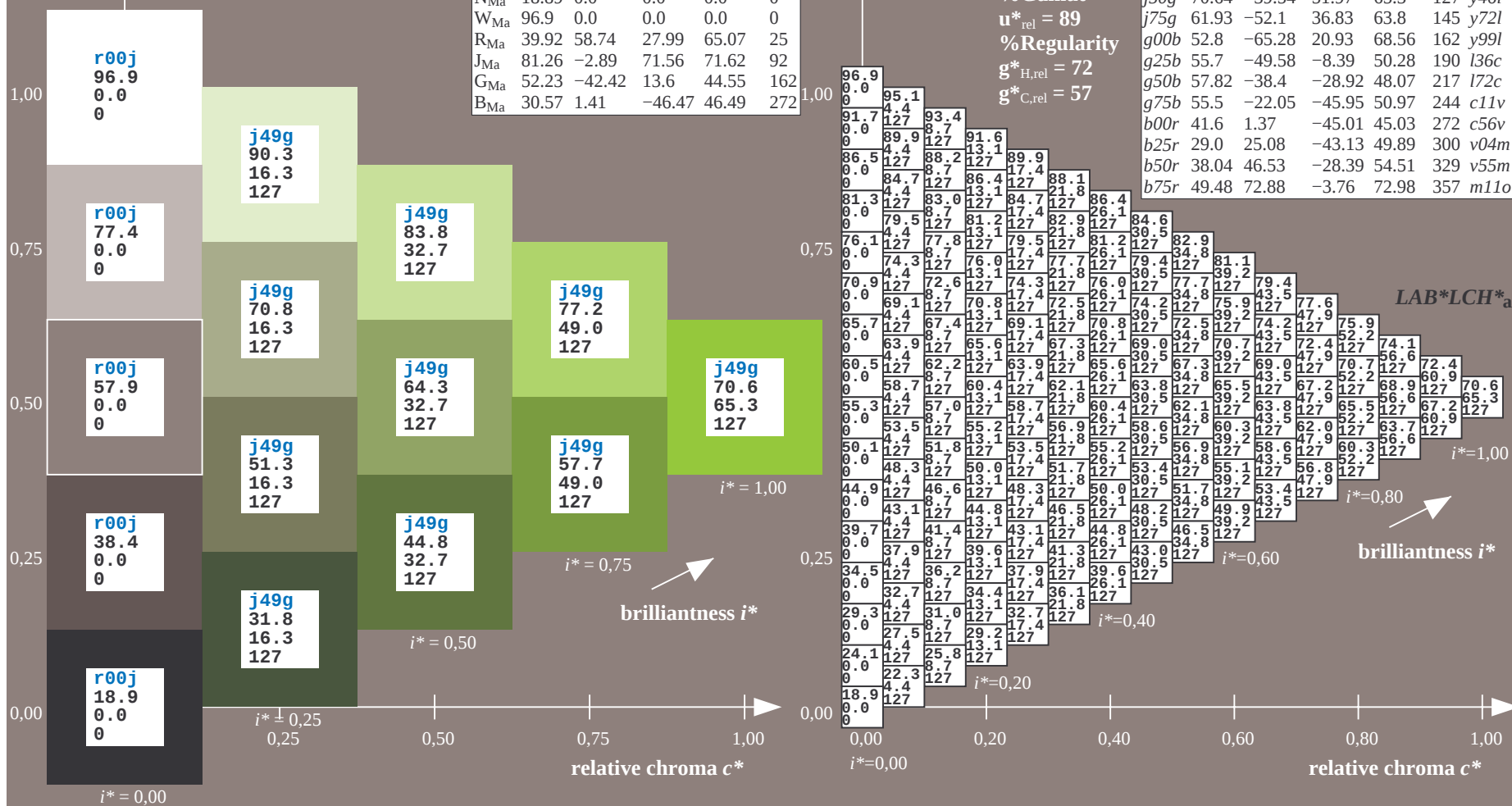
$u^*_{\text{rel}} = 89$

%Regularity

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

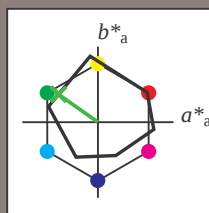
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

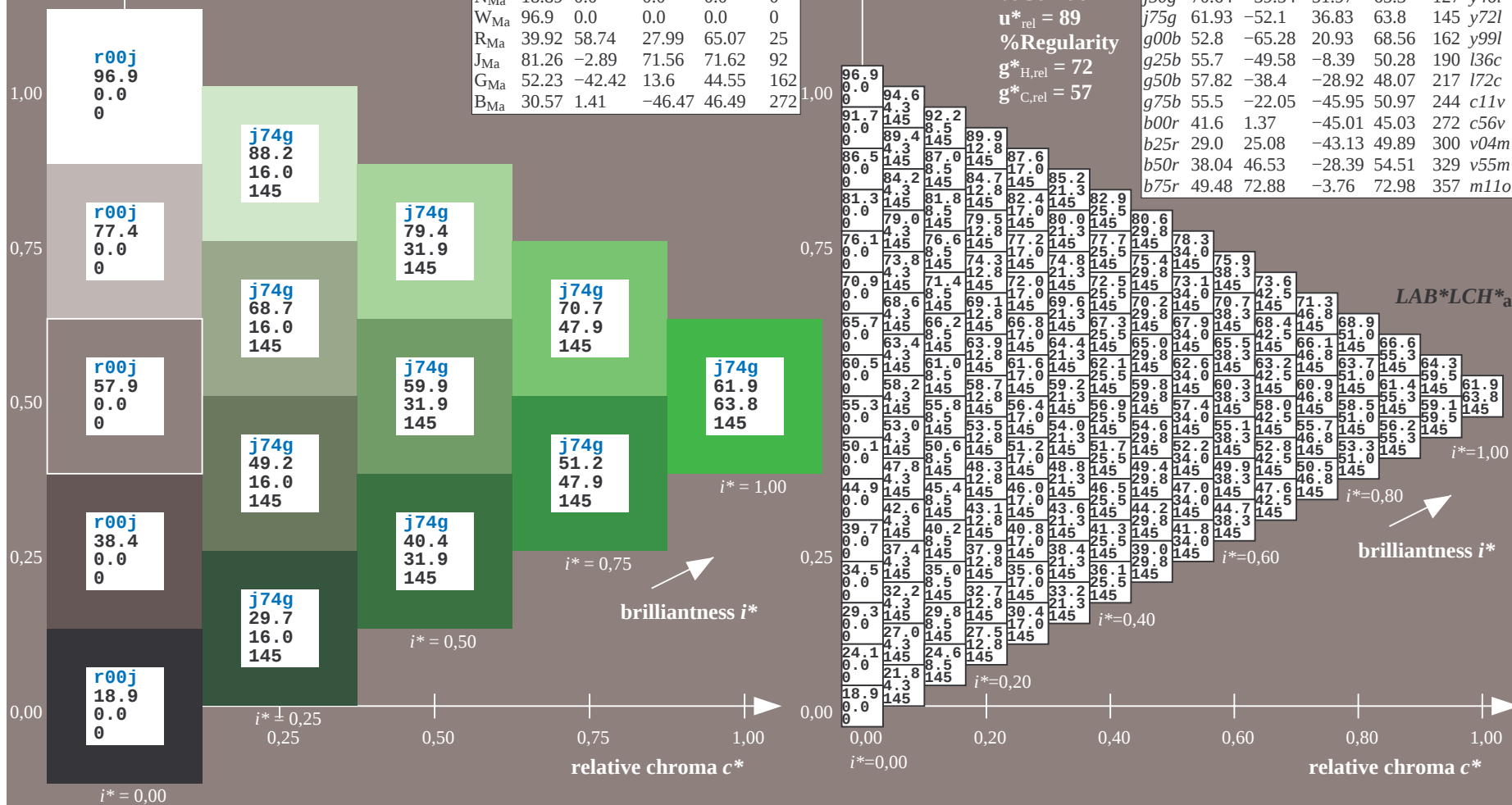
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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^*

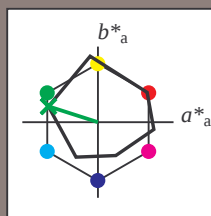
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

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

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

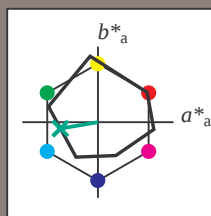
Hue texts:

$u^*_e = g25b$ $u^*_d = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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

$i^*=1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

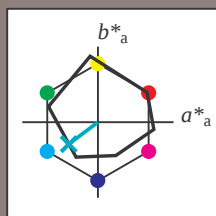
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

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

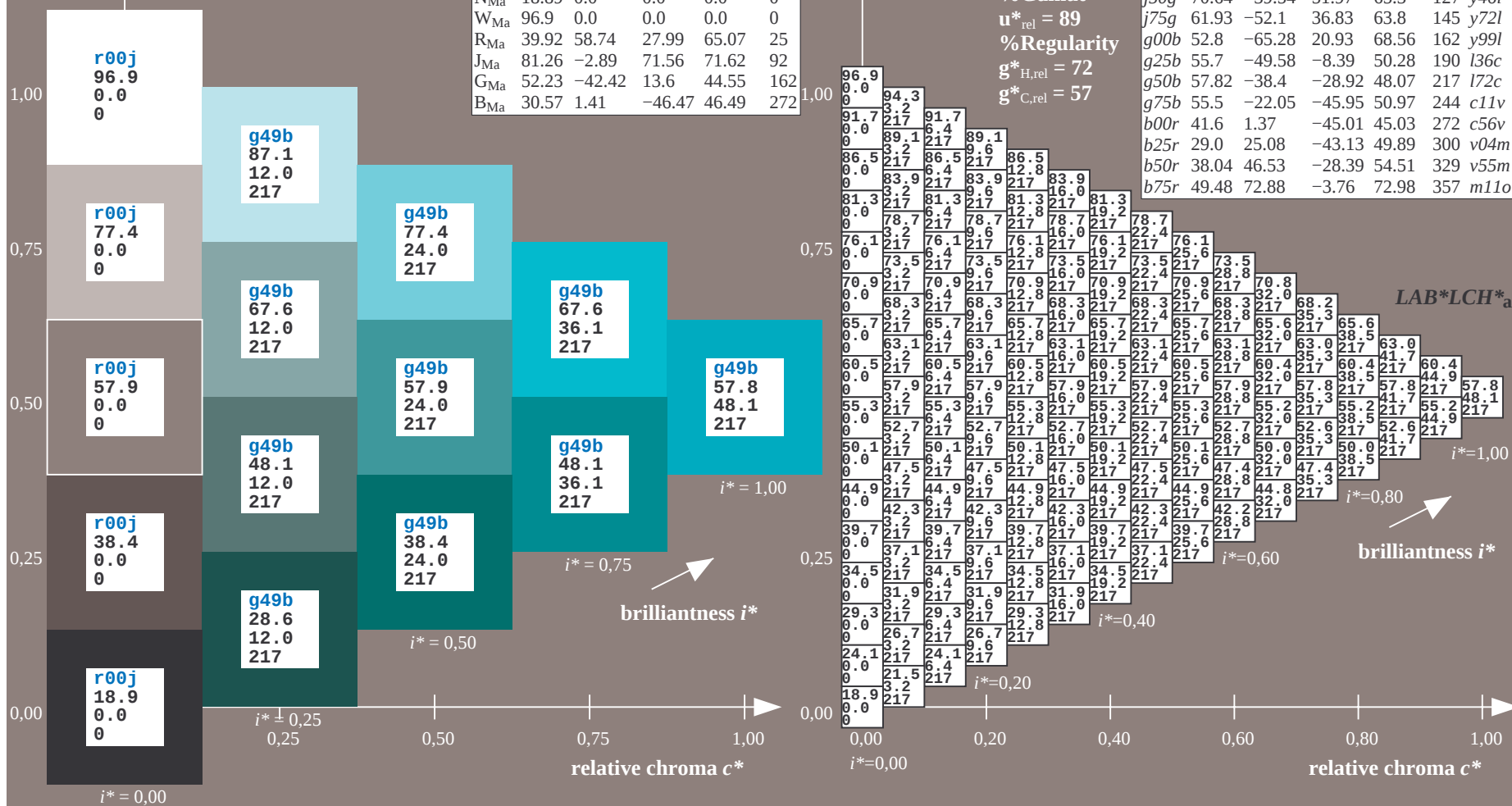
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u^*_e = g50b$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

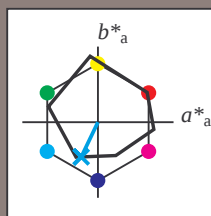
Hue texts:

$u^*_e = g75b$ $u^*_d = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{Ma}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

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

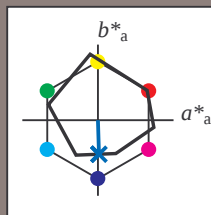
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = g75b$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{Ma}$: 42 45 271

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.44 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$u_e^* = b00r$
 $\text{LAB}^*\text{LCH}^*_{Ma}$

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

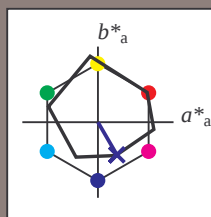
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b25r$ $u^*_d = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 29 50 300

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

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

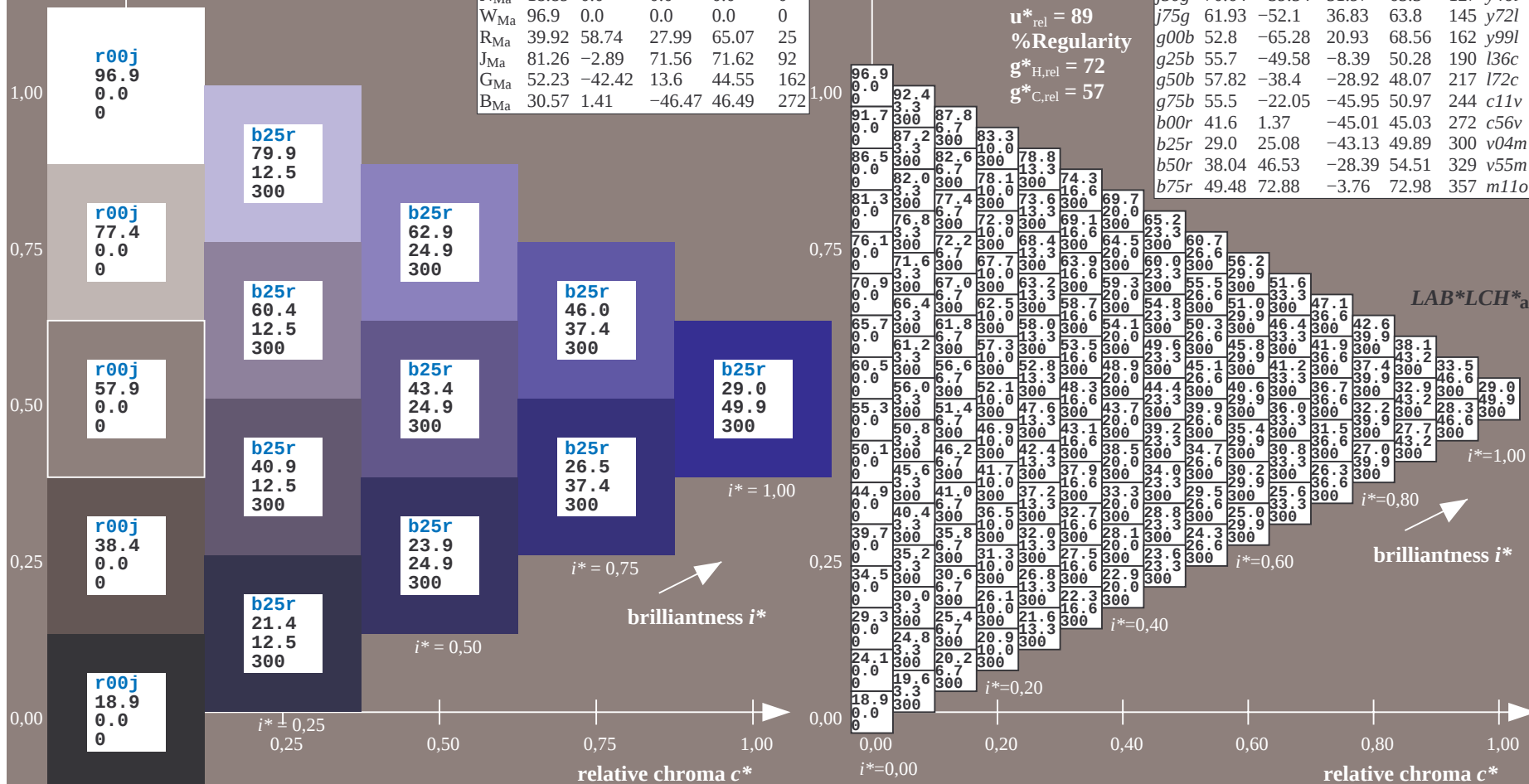
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u^*_e = b25r$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

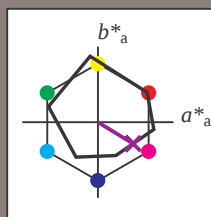
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

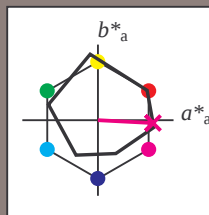
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.89

triangle lightness t^*

%Gamut

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

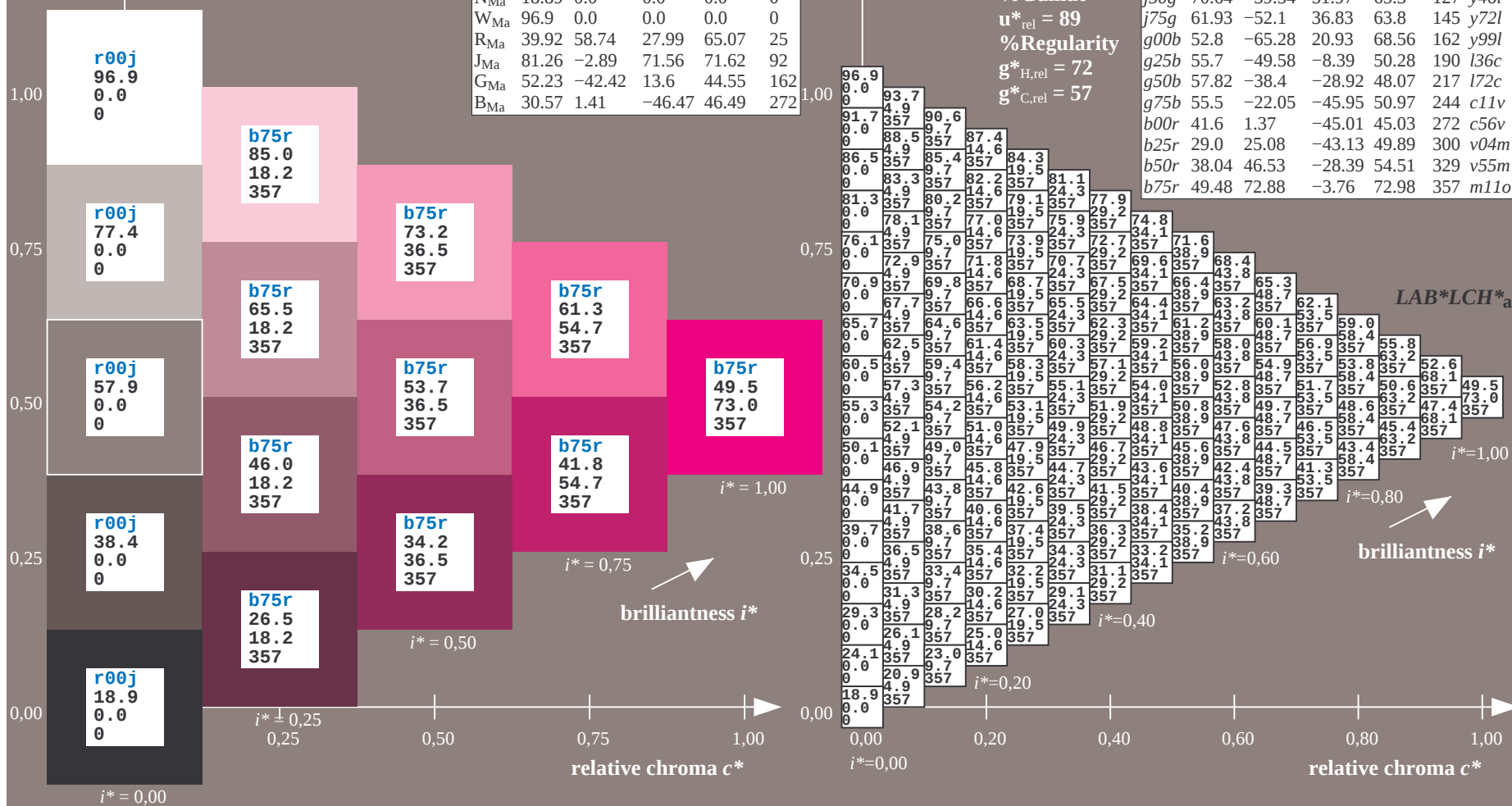
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data					
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u^*_e = b75r$
 $\text{LAB}^*\text{LCH}^*_{\text{Ma}}$



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	LAB*LCH*a		
01	89.0	23.1	27.3	31.6	35.8	40.0	44.2	48.5	52.7	56.9	61.1	65.3	69.5	73.7	77.9	82.1	86.3	90.5	94.7	98.9	103.1	107.3	111.5	115.7	119.9	124.1	128.3	132.5	136.7	140.9	145.1	149.3	153.5	157.7	161.9	166.1	170.3	174.5	178.7	182.9
02	20.1	24.4	28.3	32.6	36.9	41.2	45.5	49.7	54.0	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	
03	12.5	25.0	29.1	33.4	37.7	42.0	46.4	50.7	55.0	59.3	63.6	67.9	72.2	76.5	80.8	85.1	89.4	93.7	98.0	102.3	106.6	110.9	115.2	119.5	123.8	128.1	132.4	136.7	141.0	145.3	149.6	153.9	158.2	162.5	166.8	171.1	175.4	179.7	184.0	
04	18.8	17.0	17.4	20.5	24.2	29.7	36.1	42.8	50.0	59.1	12.5	11.3	13.6	17.9	24.0	30.9	38.2	45.8	53.4	61.0	68.6	76.2	83.8	91.4	99.0	106.6	114.2	121.8	129.4	137.0	144.6	152.2	159.8	167.4	175.0	182.6	190.2	197.8	205.4	
05	23.6	22.9	31.1	34.8	39.2	43.5	47.8	52.2	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	125.3	129.6	133.9	138.2	142.5	146.8	151.1	155.4	159.7	164.0	168.3	172.6	176.9	181.2		
06	24.8	28.8	32.4	35.9	39.8	44.1	48.6	53.2	57.7	62.2	66.7	71.2	75.7	80.2	84.7	89.2	93.7	98.2	102.7	107.2	111.7	116.2	120.7	125.2	129.7	134.2	138.7	143.2	147.7	152.2	156.7	161.2	165.7	170.2	174.7	179.2	183.7	188.2		
07	26.0	39.1	33.7	42.7	40.8	44.8	49.4	53.7	58.0	62.3	66.6	70.9	75.2	79.5	83.8	88.1	92.4	96.7	101.0	105.3	109.6	113.9	118.2	122.5	126.8	131.1	135.4	139.7	144.0	148.3	152.6	156.9	161.2	165.5	169.8	174.1	178.4	182.7		
08	37.5	35.1	33.9	39.9	34.9	37.1	40.9	43.9	48.4	53.4	58.4	63.4	68.4	73.4	78.4	83.4	88.4	93.4	98.4	103.4	108.4	113.4	118.4	123.4	128.4	133.4	138.4	143.4	148.4	153.4	158.4	163.4	168.4	173.4	178.4	183.4	188.4	193.4		
09	28.2	31.3	35.0	38.5	42.1	45.8	49.8	54.5	58.7	62.9	67.1	71.3	75.5	79.7	83.9	88.1	92.3	96.5	100.7	104.9	109.1	113.3	117.5	121.7	125.9	130.1	134.3	138.5	142.7	146.9	151.1	155.3	159.5	163.7	167.9	172.1	176.3	180.5		
10	28.4	32.5	36.2	39.8	43.3	46.9	50.7	54.9	59.6	64.3	68.9	73.6	78.3	82.9	87.6	92.3	96.9	101.6	106.3	110.9	115.6	120.3	124.9	129.6	134.3	138.9	143.6	148.3	152.9	157.6	162.3	166.9	171.6	176.3	180.9	185.6	190.3	194.9		
11	59.1	47.4	45.8	45.1	45.2	46.0	47.7	50.5	54.6	49.8	43.8	41.3	39.9	39.4	39.8	41.2	43.8	47.7	50.2	53.5	57.5	61.3	65.0	68.7	72.4	76.1	79.8	83.5	87.2	90.9	94.6	98.3	102.0	105.7	109.4	113.1	116.8	120.5		
12	38.1	35.1	39.8	45.9	48.7	52.6	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	121.3	125.6	129.9	134.2	138.5	142.8	147.1	151.4	155.7	160.0	164.3	168.6	172.9	177.2	181.5	185.8	190.1		
13	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
14	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
15	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
16	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
17	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
18	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
19	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
20	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
21	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
22	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
23	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
24	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
25	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
26	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
27	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
28	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
29	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
30	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
31	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9	35.8	41.6	48.8	56.0	63.2	70.4	77.6	84.8	92.0	99.2	106.4	113.6	120.8	128.0	135.2	142.4	149.6	156.8	164.0	171.2	178.4	185.6	192.8	200.0		
32	31.5	35.1	75	97	113	123	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	130	134	138	31	48	64	80	97	110	119	125	
33	32.4	36.1	41.0	46.6	49.8	53.9	58.2	62.5	66.8	71.1	75.4	79.7	83.9	88.2	92.5	96.8	101.1	105.4	109.7	113.9	118.2	122.5	126.8	131.1	135.4	139.7	143.9	148.2	152.5	156.8	161.1	165.4	169.7	174.0	178.3	182.6	186.9			
34	26.9	19.0	17.1	22.0	25.7	32.4	39.9	47.7	55.8	66.2	28.5	25.6	26.8	32.9																										

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

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

elementary hue text:

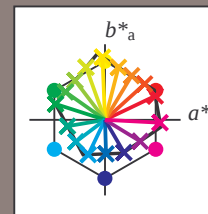
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut

$u^*_{rel} = 89$

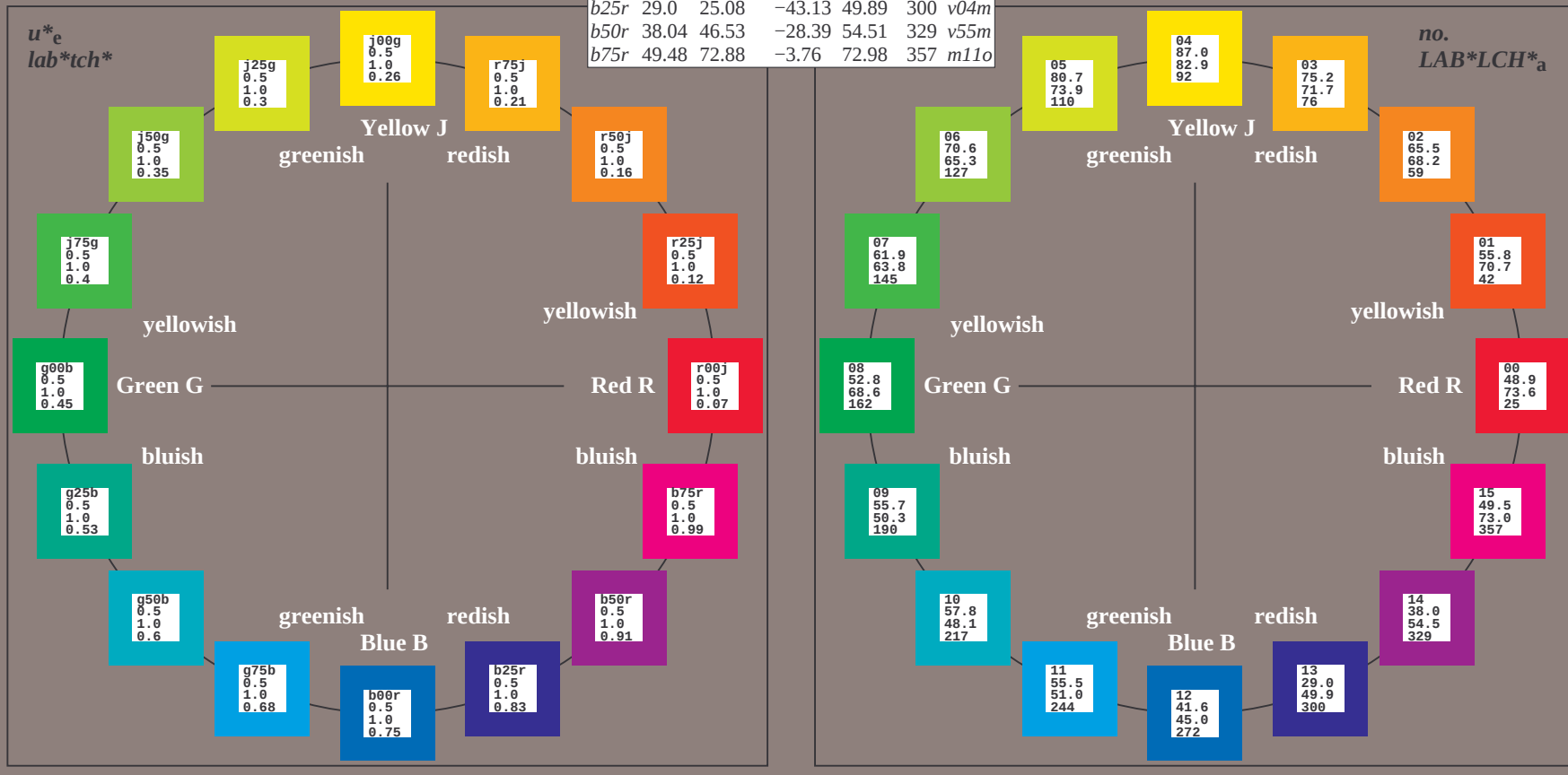
%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data

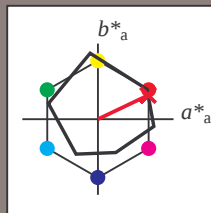
Name	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O_{Ma}	48.75	65.07	39.43	76.08	31
Y_{Ma}	90.92	-10.29	87.24	87.85	97
L_{Ma}	52.69	-65.44	20.75	68.65	162
C_{Ma}	59.61	-28.98	-46.22	54.56	238
V_{Ma}	28.39	23.63	-44.13	50.06	298
M_{Ma}	49.58	73.93	-9.56	74.55	353
N_{Ma}	18.89	0.0	0.0	0.0	0
W_{Ma}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



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

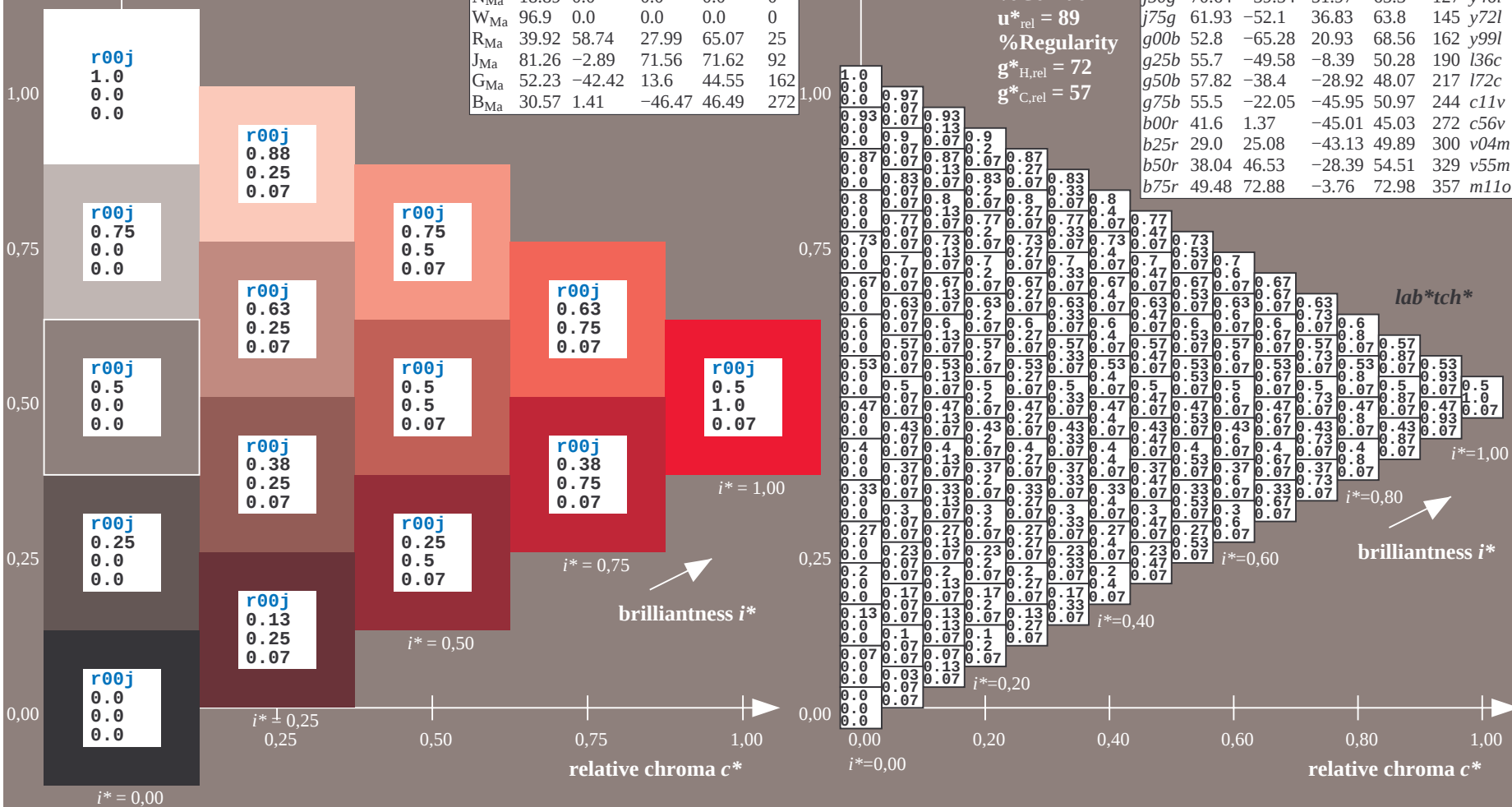
$u^*_{\text{rel}} = 89$

% Regularity

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

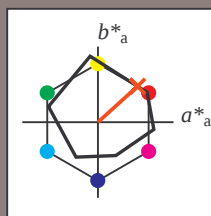
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 0.0

triangle lightness t^*

% Gamut

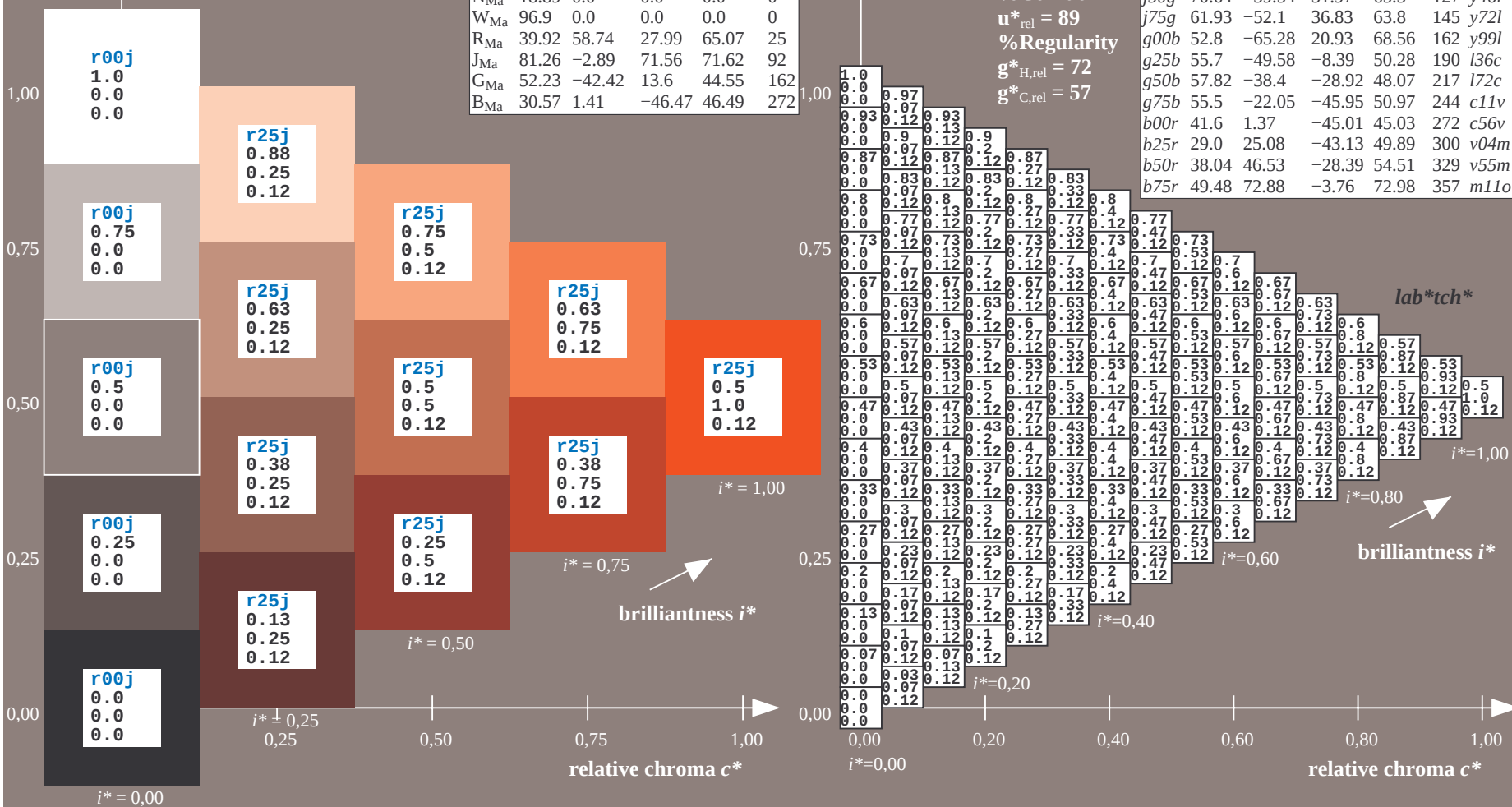
$u_{\text{rel}}^* = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

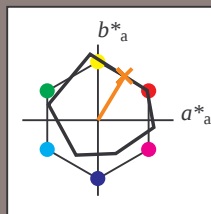


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

*u**_e = r50j
lab*tch*

Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

LAB*LAB*Ma: 65 35 58

LAB*LCH*Ma: 65 68 58

*lab*rag**M₃: 1.0 0.5 0.0

$$lab*ply*M_2: 1.0 \quad 0.42 \quad 0.0$$

triangle lightness t^*

10

%Gamut

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

	% Regular
1. <i>Chrysomelids</i>	75
2. <i>Curculionids</i>	10
3. <i>Chrysomelids</i>	10
4. <i>Chrysomelids</i>	5
5. <i>Chrysomelids</i>	5
6. <i>Chrysomelids</i>	5
7. <i>Chrysomelids</i>	5
8. <i>Chrysomelids</i>	5
9. <i>Chrysomelids</i>	5
10. <i>Chrysomelids</i>	5
11. <i>Chrysomelids</i>	5
12. <i>Chrysomelids</i>	5
13. <i>Chrysomelids</i>	5
14. <i>Chrysomelids</i>	5
15. <i>Chrysomelids</i>	5
16. <i>Chrysomelids</i>	5
17. <i>Chrysomelids</i>	5
18. <i>Chrysomelids</i>	5
19. <i>Chrysomelids</i>	5
20. <i>Chrysomelids</i>	5
21. <i>Chrysomelids</i>	5
22. <i>Chrysomelids</i>	5
23. <i>Chrysomelids</i>	5
24. <i>Chrysomelids</i>	5
25. <i>Chrysomelids</i>	5
26. <i>Chrysomelids</i>	5
27. <i>Chrysomelids</i>	5
28. <i>Chrysomelids</i>	5
29. <i>Chrysomelids</i>	5
30. <i>Chrysomelids</i>	5
31. <i>Chrysomelids</i>	5
32. <i>Chrysomelids</i>	5
33. <i>Chrysomelids</i>	5
34. <i>Chrysomelids</i>	5
35. <i>Chrysomelids</i>	5
36. <i>Chrysomelids</i>	5
37. <i>Chrysomelids</i>	5
38. <i>Chrysomelids</i>	5
39. <i>Chrysomelids</i>	5
40. <i>Chrysomelids</i>	5
41. <i>Chrysomelids</i>	5
42. <i>Chrysomelids</i>	5
43. <i>Chrysomelids</i>	5
44. <i>Chrysomelids</i>	5
45. <i>Chrysomelids</i>	5
46. <i>Chrysomelids</i>	5
47. <i>Chrysomelids</i>	5
48. <i>Chrysomelids</i>	5
49. <i>Chrysomelids</i>	5
50. <i>Chrysomelids</i>	5
51. <i>Chrysomelids</i>	5
52. <i>Chrysomelids</i>	5
53. <i>Chrysomelids</i>	5
54. <i>Chrysomelids</i>	5
55. <i>Chrysomelids</i>	5
56. <i>Chrysomelids</i>	5
57. <i>Chrysomelids</i>	5
58. <i>Chrysomelids</i>	5
59. <i>Chrysomelids</i>	5
60. <i>Chrysomelids</i>	5
61. <i>Chrysomelids</i>	5
62. <i>Chrysomelids</i>	5
63. <i>Chrysomelids</i>	5
64. <i>Chrysomelids</i>	5
65. <i>Chrysomelids</i>	5
66. <i>Chrysomelids</i>	5
67. <i>Chrysomelids</i>	5
68. <i>Chrysomelids</i>	5
69. <i>Chrysomelids</i>	5
70. <i>Chrysomelids</i>	5
71. <i>Chrysomelids</i>	5
72. <i>Chrysomelids</i>	5
73. <i>Chrysomelids</i>	5
74. <i>Chrysomelids</i>	5
75. <i>Chrysomelids</i>	5
76. <i>Chrysomelids</i>	5
77. <i>Chrysomelids</i>	5
78. <i>Chrysomelids</i>	5
79. <i>Chrysomelids</i>	5
80. <i>Chrysomelids</i>	5
81. <i>Chrysomelids</i>	5
82. <i>Chrysomelids</i>	5
83. <i>Chrysomelids</i>	5
84. <i>Chrysomelids</i>	5
85. <i>Chrysomelids</i>	5
86. <i>Chrysomelids</i>	5
87. <i>Chrysomelids</i>	5
88. <i>Chrysomelids</i>	5
89. <i>Chrysomelids</i>	5
90. <i>Chrysomelids</i>	5
91. <i>Chrysomelids</i>	5
92. <i>Chrysomelids</i>	5
93. <i>Chrysomelids</i>	5
94. <i>Chrysomelids</i>	5
95. <i>Chrysomelids</i>	5
96. <i>Chrysomelids</i>	5
97. <i>Chrysomelids</i>	5
98. <i>Chrysomelids</i>	5
99. <i>Chrysomelids</i>	5
100. <i>Chrysomelids</i>	5

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

ORS19_96a; adapted (a) CIELAB data							
u_e	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84d</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	

*lab*tch**

 $i^* = 1.00$

brilliantness i*

brilliantness i*

relative chroma c^*

02	1,00	00
72		00

0,7500



0,25 0

0,00

 $i^* = 0,00$ relative chroma c^*

BAM-test chart Ee14; Colorimetric systems, Page 184/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmv0* setcmvcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$

data for any colour:

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

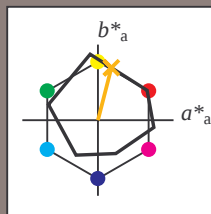
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; adapted (a) CIELAB data

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 75 72 75

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.68 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

lab^*tch^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

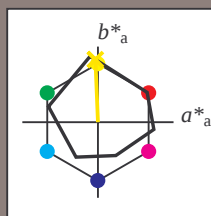
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 87 -3 83

$LAB^*LCH^*_{Ma}$: 87 83 92

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

$lab^*olv^*_{Ma}$: 1.0 0.93 0.0

triangle lightness t^*

% Gamut

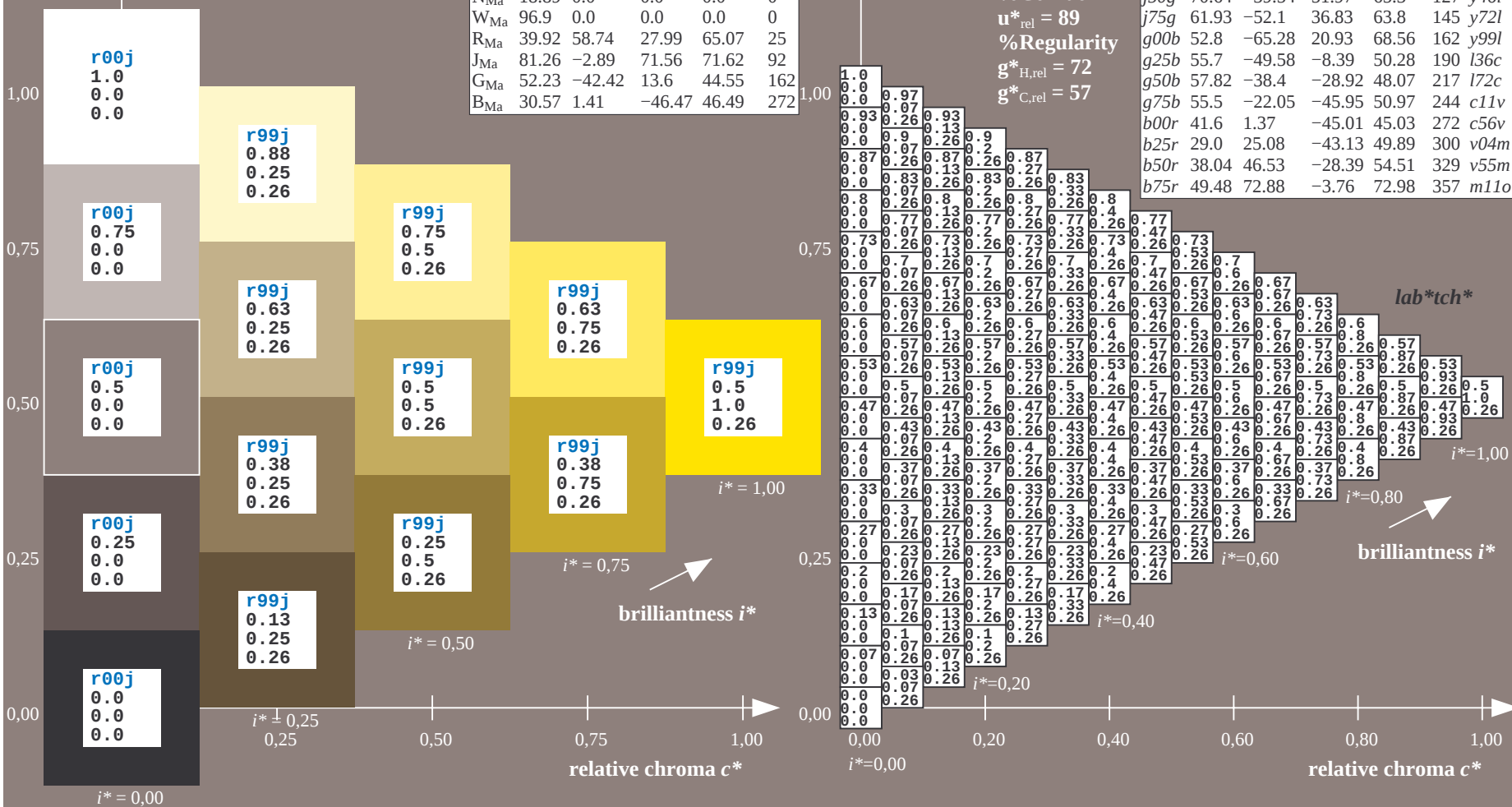
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

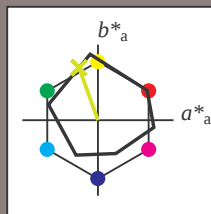
Hue texts:

$u_e^* = j25g$ $u_d^* = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.8 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

lab^*tch^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

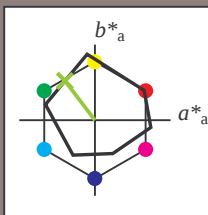
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{Ma}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

% Gamut

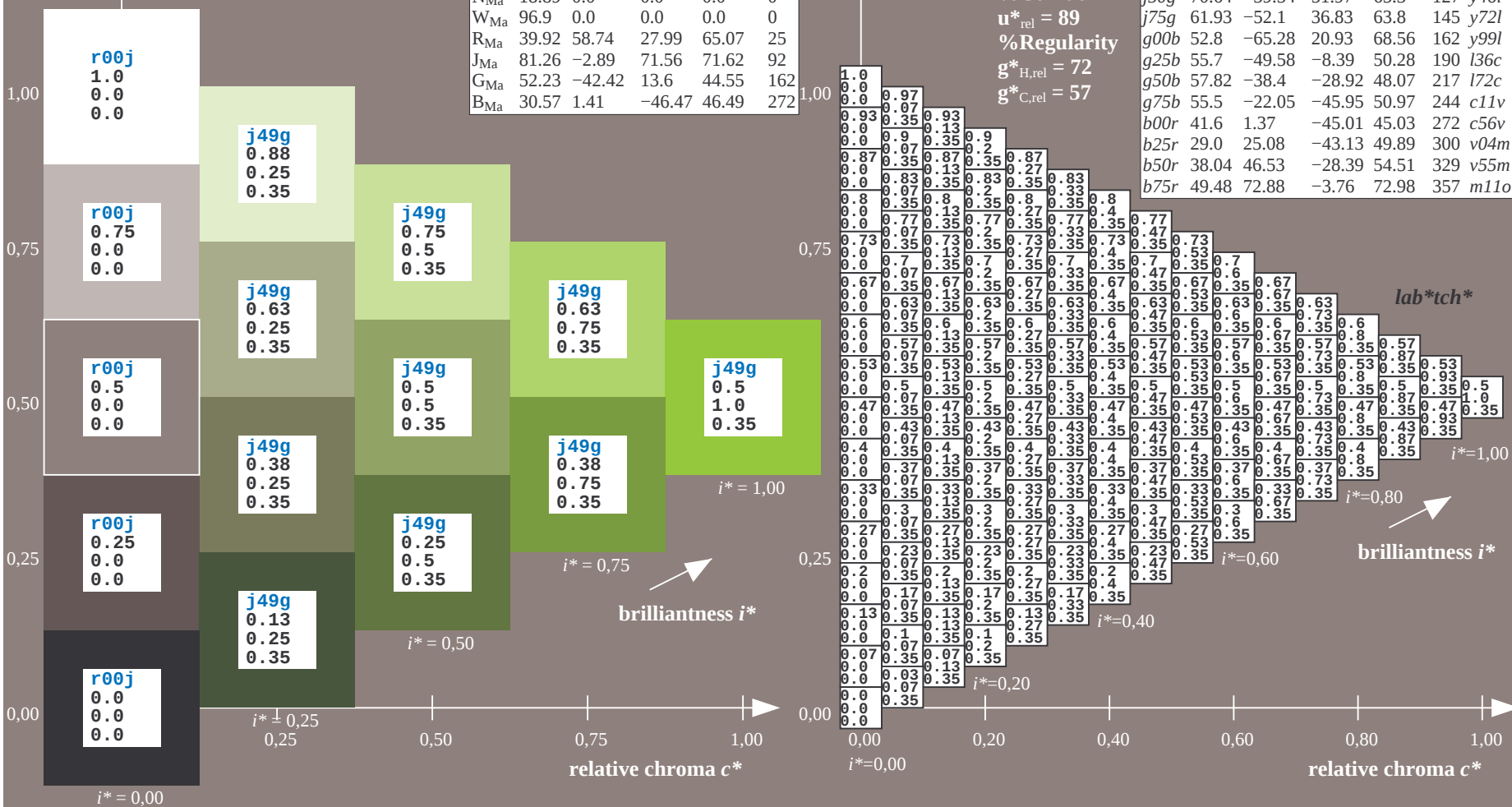
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

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

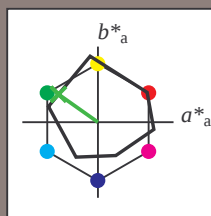
Hue texts:

$u_e^* = j75g$ $u_d^* = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 62 64 144

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

$\text{lab}^*\text{olv}^*\text{Ma}$: 0.27 1.0 0.0

triangle lightness t^*

% Gamut

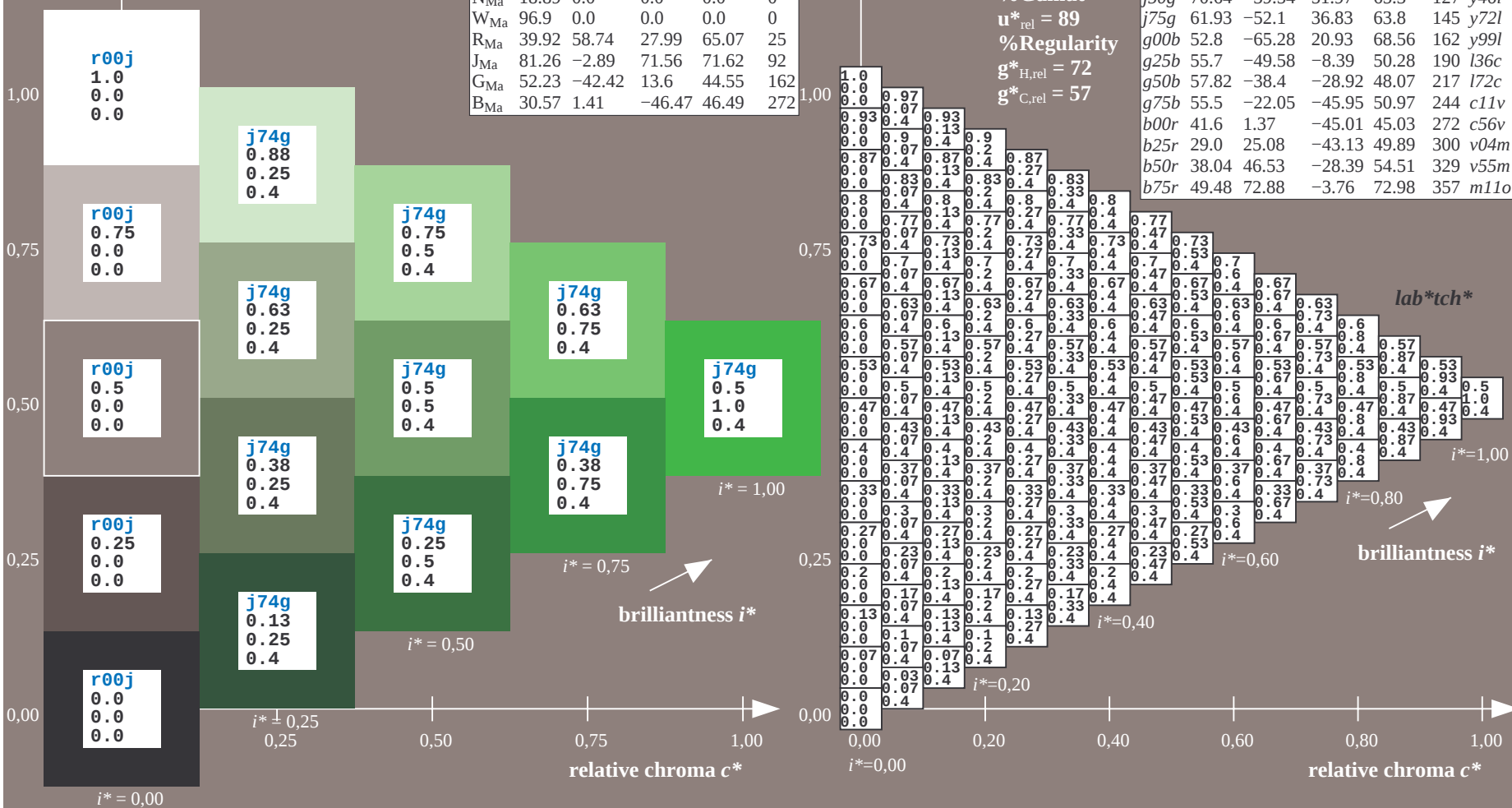
$u_{rel}^* = 89$

% Regularity

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

$g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



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^*

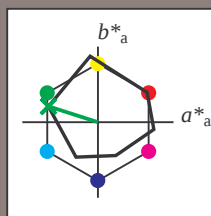
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

% Gamut

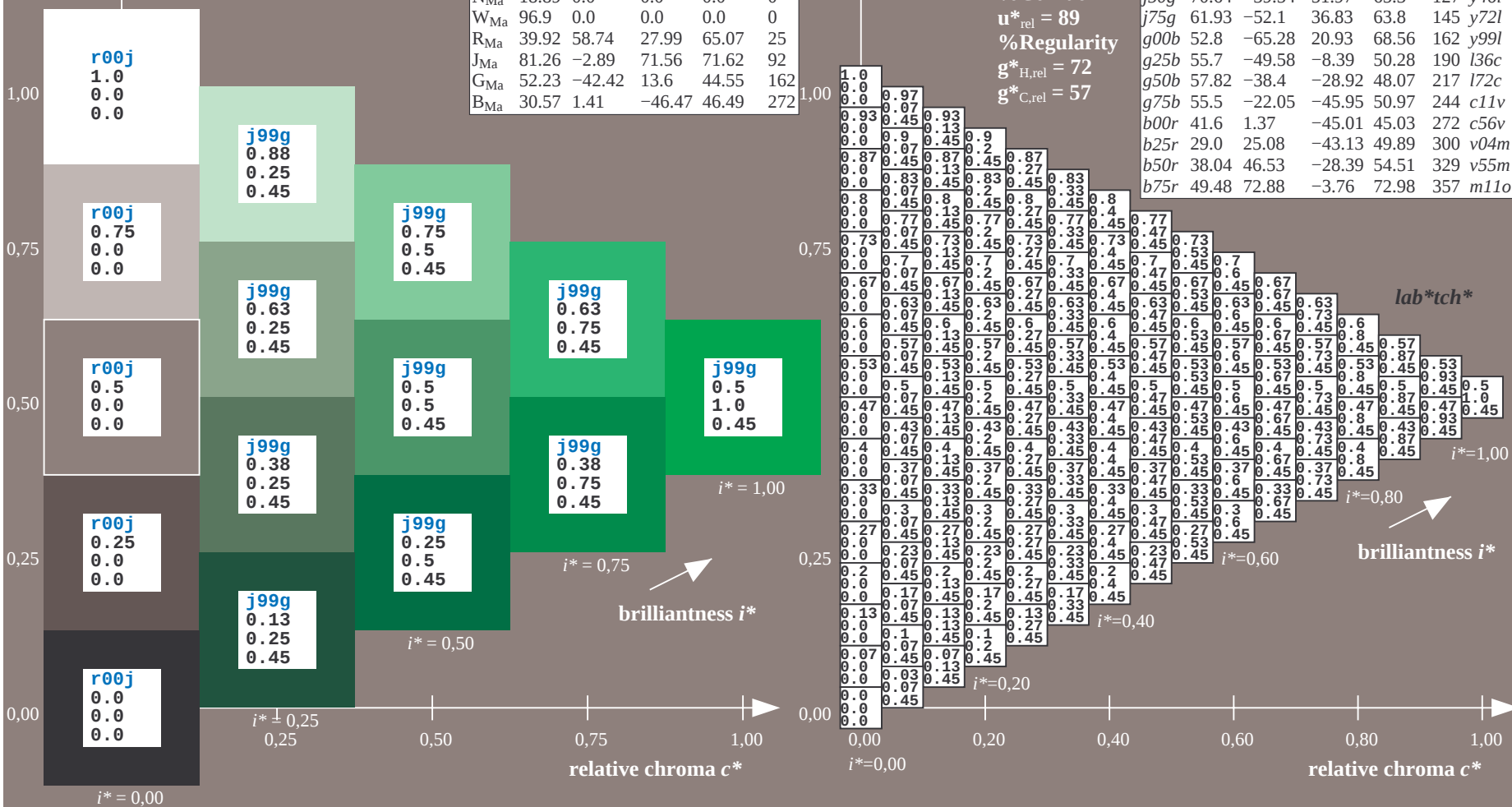
$u^*_{\text{rel}} = 89$

% Regularity

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

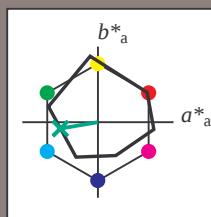
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

% Gamut

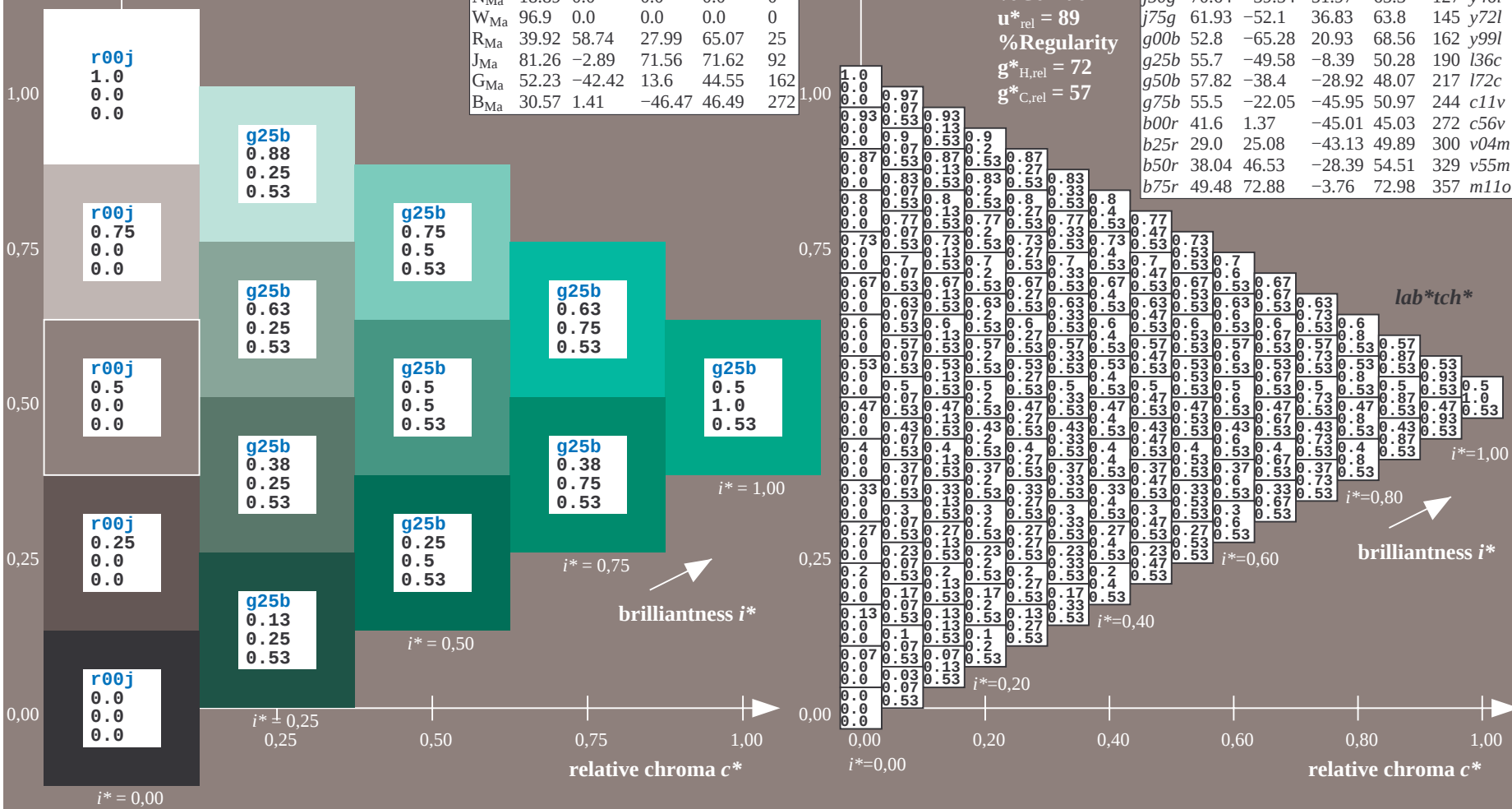
$u^*_{rel} = 89$

% Regularity

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

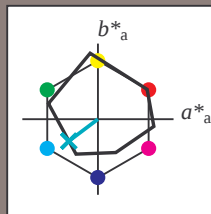
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g50b$ $u_d^* = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.72

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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

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

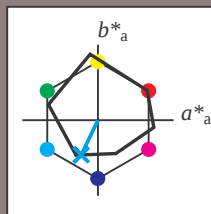
Hue texts:

$u_e^* = g75b$ $u_d^* = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{Ma}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

% Gamut

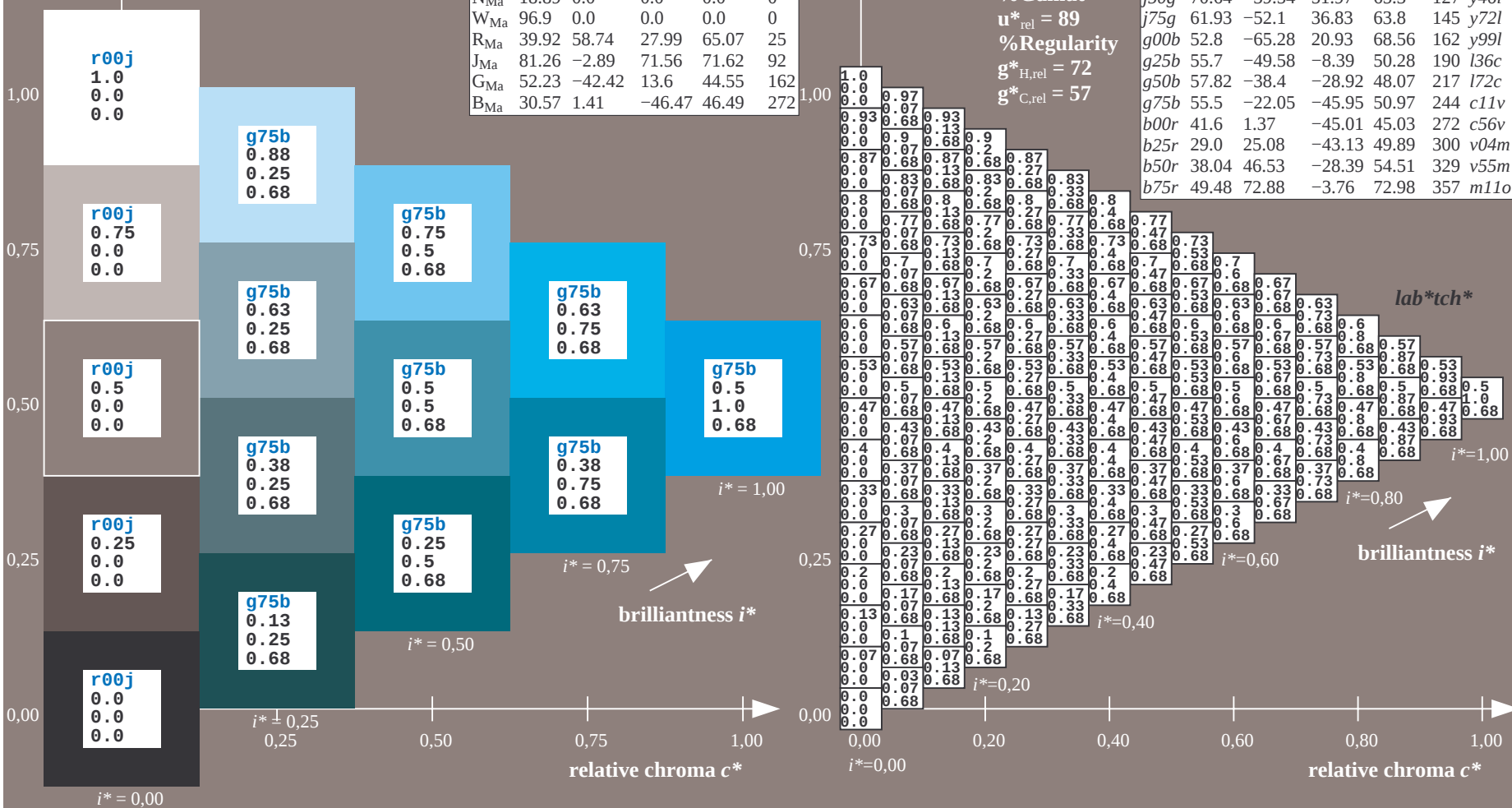
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

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

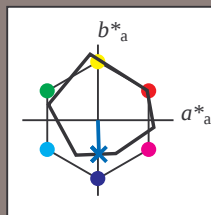
Hue texts:

$u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{Ma}$: 42 45 271

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.44 1.0

triangle lightness t^*

% Gamut

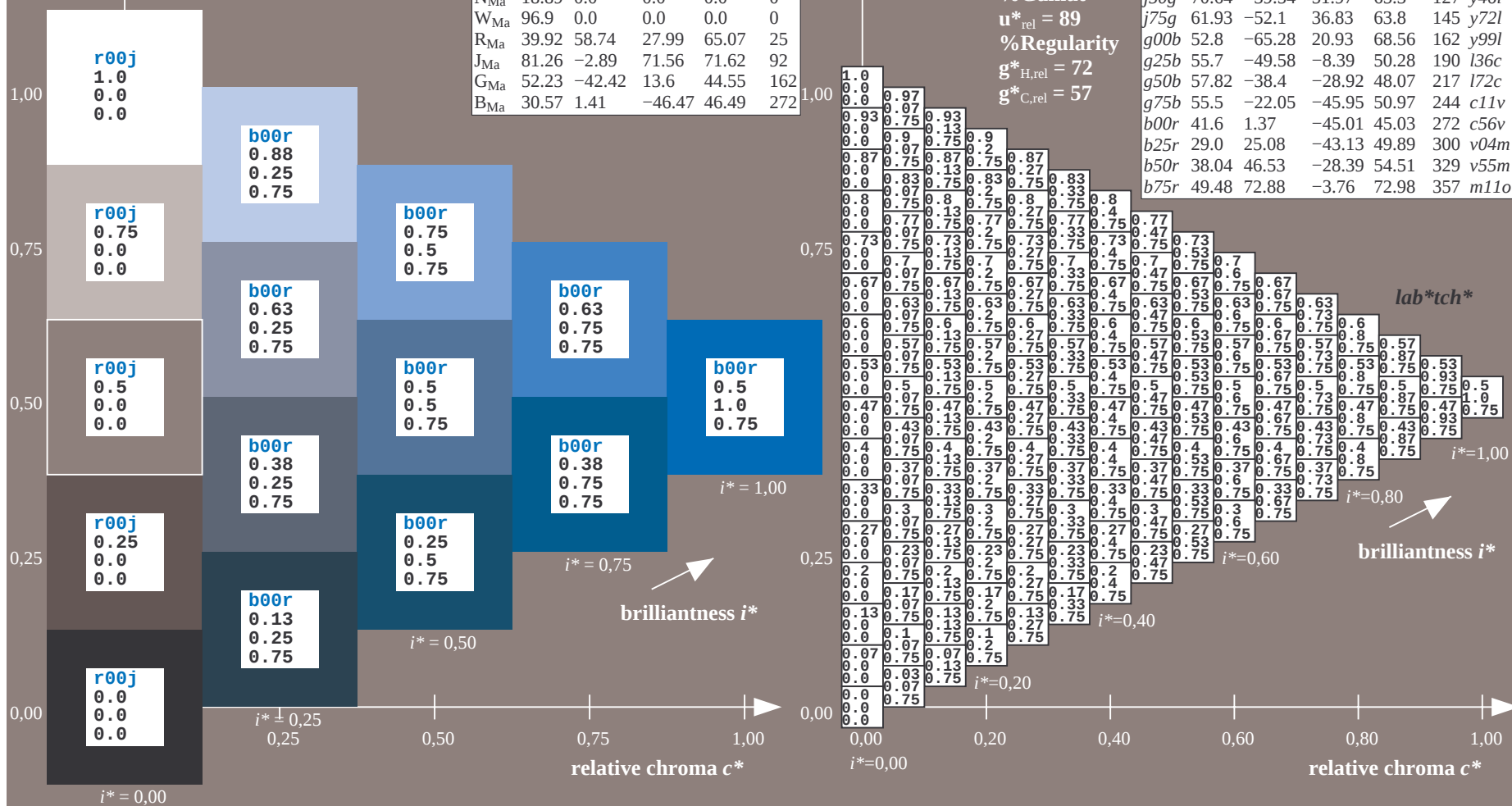
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ data for any colour: Data for maximum colour (Ma):

$u_e^* = b25r$
 lab^*tch^*

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

Hue texts:

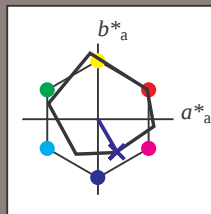
$$u^*_e = b25r \quad u^*_d = v04m$$

contrast reduction factor:

$$c_p = 1.0$$

K triangle

triangle rightness &



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

Data for maximum colour (Ma):

LAB*LAB*ME: 29 25 -43

LAD*LCU* 20 50 200

LAB'LCH*Ma: 29 50 30

*lab*rgb*_{Ma}: 0.5 0.0 1.0

lab*olv*_Ma: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

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

%Regularity

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

ORS19_96a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84o</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	

*lab*tch**

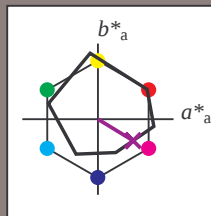
$$i^*=1,00$$
brilliantness *i**

BAM-test chart Ee14; Colorimetric systems, Page 195/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmY0* setcmykcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v55m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{Ma}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.56 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_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

lab^*tch^*

$i^* = 1.00$

$i^* = 0.80$

brilliantness i^*

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

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

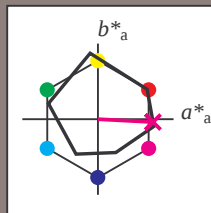
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

% Gamut

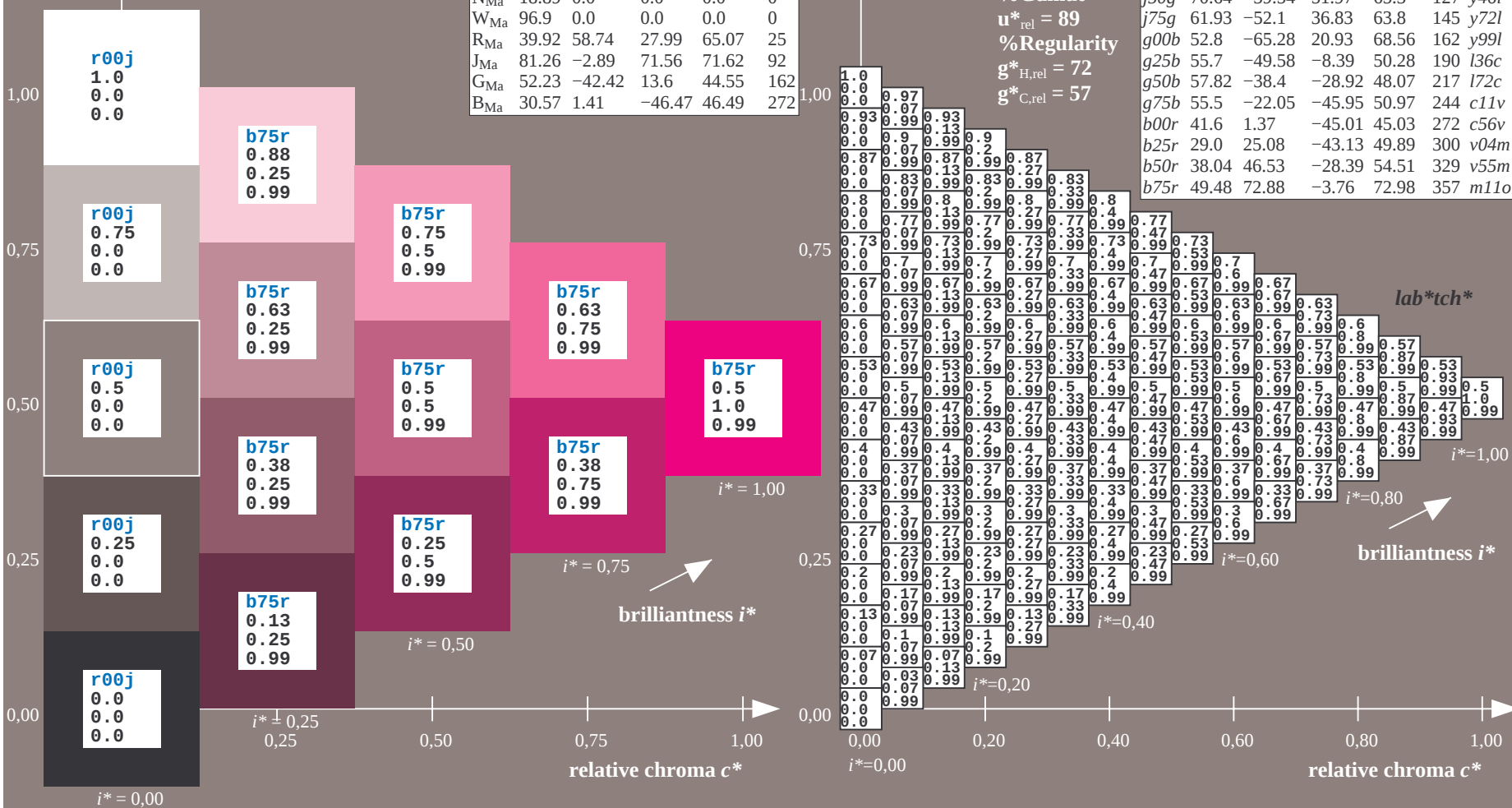
$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhda
application for evaluation and measurement of printer or monitor systems

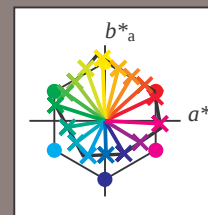
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*tch*																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
01	0.0	0.06	0.13	0.19	0.25	0.31	0.38	0.44	0.5	0.56	0.63	0.69	0.75	0.81	0.88	0.94	1.0	1.06	1.13	1.19	1.25	1.31	1.38	1.44	1.5	1.56	1.63	1.69	1.75	1.81	1.88	1.94	2.0	2.06	2.13	2.19	2.25	2.31	2.38	2.44	2.5	2.56	2.63	2.69	2.75	2.81	2.88	2.94	3.0	3.06	3.13	3.19	3.25	3.31	3.38	3.44	3.5	3.56	3.63	3.69	3.75	3.81	3.88	3.94	4.0	4.06	4.13	4.19	4.25	4.31	4.38	4.44	4.5	4.56	4.63	4.69	4.75	4.81	4.88	4.94	5.0	5.06	5.13	5.19	5.25	5.31	5.38	5.44	5.5	5.56	5.63	5.69	5.75	5.81	5.88	5.94	6.0	6.06	6.13	6.19	6.25	6.31	6.38	6.44	6.5	6.56	6.63	6.69	6.75	6.81	6.88	6.94	7.0	7.06	7.13	7.19	7.25	7.31	7.38	7.44	7.5	7.56	7.63	7.69	7.75	7.81	7.88	7.94	8.0	8.06	8.13	8.19	8.25	8.31	8.38	8.44	8.5	8.56	8.63	8.69	8.75	8.81	8.88	8.94	9.0	9.06	9.13	9.19	9.25	9.31	9.38	9.44	9.5	9.56	9.63	9.69	9.75	9.81	9.88	9.94	10.0	10.06	10.13	10.19	10.25	10.31	10.38	10.44	10.5	10.56	10.63	10.69	10.75	10.81	10.88	10.94	11.0	11.06	11.13	11.19	11.25	11.31	11.38	11.44	11.5	11.56	11.63	11.69	11.75	11.81	11.88	11.94	12.0	12.06	12.13	12.19	12.25	12.31	12.38	12.44	12.5	12.56	12.63	12.69	12.75	12.81	12.88	12.94	13.0	13.06	13.13	13.19	13.25	13.31	13.38	13.44	13.5	13.56	13.63	13.69	13.75	13.81	13.88	13.94	14.0	14.06	14.13	14.19	14.25	14.31	14.38	14.44	14.5	14.56	14.63	14.69	14.75	14.81	14.88	14.94	15.0	15.06	15.13	15.19	15.25	15.31	15.38	15.44	15.5	15.56	15.63	15.69	15.75	15.81	15.88	15.94	16.0	16.06	16.13	16.19	16.25	16.31	16.38	16.44	16.5	16.56	16.63	16.69	16.75	16.81	16.88	16.94	17.0	17.06	17.13	17.19	17.25	17.31	17.38	17.44	17.5	17.56	17.63	17.69	17.75	17.81	17.88	17.94	18.0	18.06	18.13	18.19	18.25	18.31	18.38	18.44	18.5	18.56	18.63	18.69	18.75	18.81	18.88	18.94	19.0	19.06	19.13	19.19	19.25	19.31	19.38	19.44	19.5	19.56	19.63	19.69	19.75	19.81	19.88	19.94	20.0	20.06	20.13	20.19	20.25	20.31	20.38	20.44	20.5	20.56	20.63	20.69	20.75	20.81	20.88	20.94	21.0	21.06	21.13	21.19	21.25	21.31	21.38	21.44	21.5	21.56	21.63	21.69	21.75	21.81	21.88	21.94	22.0	22.06	22.13	22.19	22.25	22.31	22.38	22.44	22.5	22.56	22.63	22.69	22.75	22.81	22.88	22.94	23.0	23.06	23.13	23.19	23.25	23.31	23.38	23.44	23.5	23.56	23.63	23.69	23.75	23.81	23.88	23.94	24.0	24.06	24.13	24.19	24.25	24.31	24.38	24.44	24.5	24.56	24.63	24.69	24.75	24.81	24.88	24.94	25.0	25.06	25.13	25.19	25.25	25.31	25.38	25.44	25.5	25.56	25.63	25.69	25.75	25.81	25.88	25.94	26.0	26.06	26.13	26.19	26.25	26.31	26.38	26.44	26.5	26.56	26.63	26.69	26.75	26.81	26.88	26.94	27.0	27.06	27.13	27.19	27.25	27.31	27.38	27.44	27.5	27.56	27.63	27.69	27.75	27.81	27.88	27.94	28.0	28.06	28.13	28.19	28.25	28.31	28.38	28.44	28.5	28.56	28.63	28.69	28.75	28.81	28.88	28.94	29.0	29.06	29.13	29.19	29.25	29.31	29.38	29.44	29.5	29.56	29.63	29.69	29.75	29.81	29.88	29.94	30.0	30.06	30.13	30.19	30.25	30.31	30.38	30.44	30.5	30.56	30.63	30.69	30.75	30.81	30.88	30.94	31.0	31.06	31.13	31.19	31.25	31.31	31.38	31.44	31.5	31.56	31.63	31.69	31.75	31.81	31.88	31.94	32.0	32.06	32.13	32.19	32.25	32.31	32.38	32.44	32.5	32.56	32.63	32.69	32.75	32.81	32.88	32.94	33.0	33.06	33.13	33.19	33.25	33.31	33.38	33.44	33.5	33.56	33.63	33.69	33.75	33.81	33.88	33.94	34.0	34.06	34.13	34.19	34.25	34.31	34.38	34.44	34.5	34.56	34.63	34.69	34.75	34.81	34.88	34.94	35.0	35.06	35.13	35.19	35.25	35.31	35.38	35.44	35.5	35.56	35.63	35.69	35.75	35.81	35.88	35.94	36.0	36.06	36.13	36.19	36.25	36.31	36.38	36.44	36.5	36.56	36.63	36.69	36.75	36.81	36.88	36.94	37.0	37.06	37.13	37.19	37.25	37.31	37.38	37.44	37.5	37.56	37.63	37.69	37.75	37.81	37.88	37.94	38.0	38.06	38.13	38.19	38.25	38.31	38.38	38.44	38.5	38.56	38.63	38.69	38.75	38.81	38.88	38.94	39.0	39.06	39.13	39.19	39.25	39.31	39.38	39.44	39.5	39.56	39.63	39.69	39.75	39.81	39.88	39.94	40.0	40.06	40.13	40.19	40.25	40.31	40.38	40.44	40.5	40.56	40.63	40.69	40.75	40.81	40.88	40.94	41.0	41.06	41.13	41.19	41.25	41.31	41.38	41.44	41.5	41.56	41.63	41.69	41.75	41.81	41.88	41.94	42.0	42.06	42.13	42.19	42.25	42.31	42.38	42.44	42.5	42.56	42.63	42.69	42.75	42.81	42.88	42.94	43.0	43.06	43.13	43.19	43.25	43.31	43.38	43.44	43.5	43.56	43.63	43.69	43.75	43.81	43.88	43.94	44.0	44.06	44.13	44.19	44.25	44.31	44.38	44.44	44.5	44.56	44.63	44.69	44.75	44.81	44.88	44.94	45.0	45.06	45.13	45.19	45.25	45.31	45.38	45.44	45.5	45.56	45.63	45.69	45.75	45.81	45.88	45.94	46.0	46.06	46.13	46.19	46.25	46.31	46.38	46.44	46.5	46.56	46.63	46.69	46.75	46.81	46.88	46.94	47.0	47.06	47.13	47.19	47.25	47.31	47.38	47.44	47.5	47.56	47.63	47.69	47.75	47.81	47.88	47.94	48.0	48.06	48.13	48.19	48.25	48.31	48.38	48.44	48.5	48.56	48.63	48.69	48.75	48.81	48.88	48.94	49.0	49.06	49.13	49.19	49.25	49.31	49.38	49.44	49.5	49.56	49.63	49.69	49.75	49.81	49.88	49.94	50.0	50.06	50.13	50.19	50.25	50.31	50.38	50.44	50.5	50.56	50.63	50.69	50.75	50.81	50.88	50.94	51.0	51.06	51.13	51.19	51.25	51.31	51.38	51.44	51.5	51.56	51.63	51.69	51.75	51.81	51.88	51.94	52.0	52.06	52.13	52.19	52.25	52.31	52.38	52.44	52.5	52.56	52.63	52.69	52.75	52.81	52.88	52.94	53.0	53.06	53.13	53.19	53.25	53.31	53.38	53.44	53.5	53.56	53.63	53.69	53.75	53.81	53.88	53.94	54.0	54.06	54.13	54.19	54.25	54.31	54.38	54.44	54.5	54.56	54.63	54.69	54.75	54.81	54.88	54.94	55.0	55.06	55.13	55.19	55.25	55.31	55.38	55.44	55.5	55.56	55.63	55.69	55.75	55.81	55.88	55.94	56.0	56.06	56.13	56.19	56.25	56.31	56.38	56.44	56.5	56.56	56.63	56.69	56.75	56.81	56.88	56.94	57.0	57.06	57.13	57.19	57.25	57.31	57.38	57.44	57.5	57.56	57.63	57.69	57.75	57.81	57.88	57.94	58.0	58.06	58.13	58.19	58.25	58.31	58.38	58.44	58.5	58.56	58.63	58.69	58.75	58.81	58.88	58.94	59.0	59.06	59.13	59.19	59.25	59.31	59.38	59.44	59.5	59.56	59.63	59.69	59.75	59.81	59.88	59.94	60.0	60.06	60.13	60.19	60.25	60.31	60.38	60.44	60.5	60.56	60.63	60.69	60.75	60.81	60.88	60.94	61.0	61.06	61.13	61.19	61.25	61.31	61.38	61.44	61.5	61.56	61.63	61.69	61.75	61.81	61.88	61.94	62.0	62.06	62.13	62.19	62.25	62.31	62.38	62.44	62.5	62.56	62.63	62.69	62.75	62.81	62.88	62.94	63.0	63.06	63.13	63.19	63.25	63.31	63.38	63.44	63.5	63.5

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 $u^*_e = 16$ hues $r00j, r25j, \dots, b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

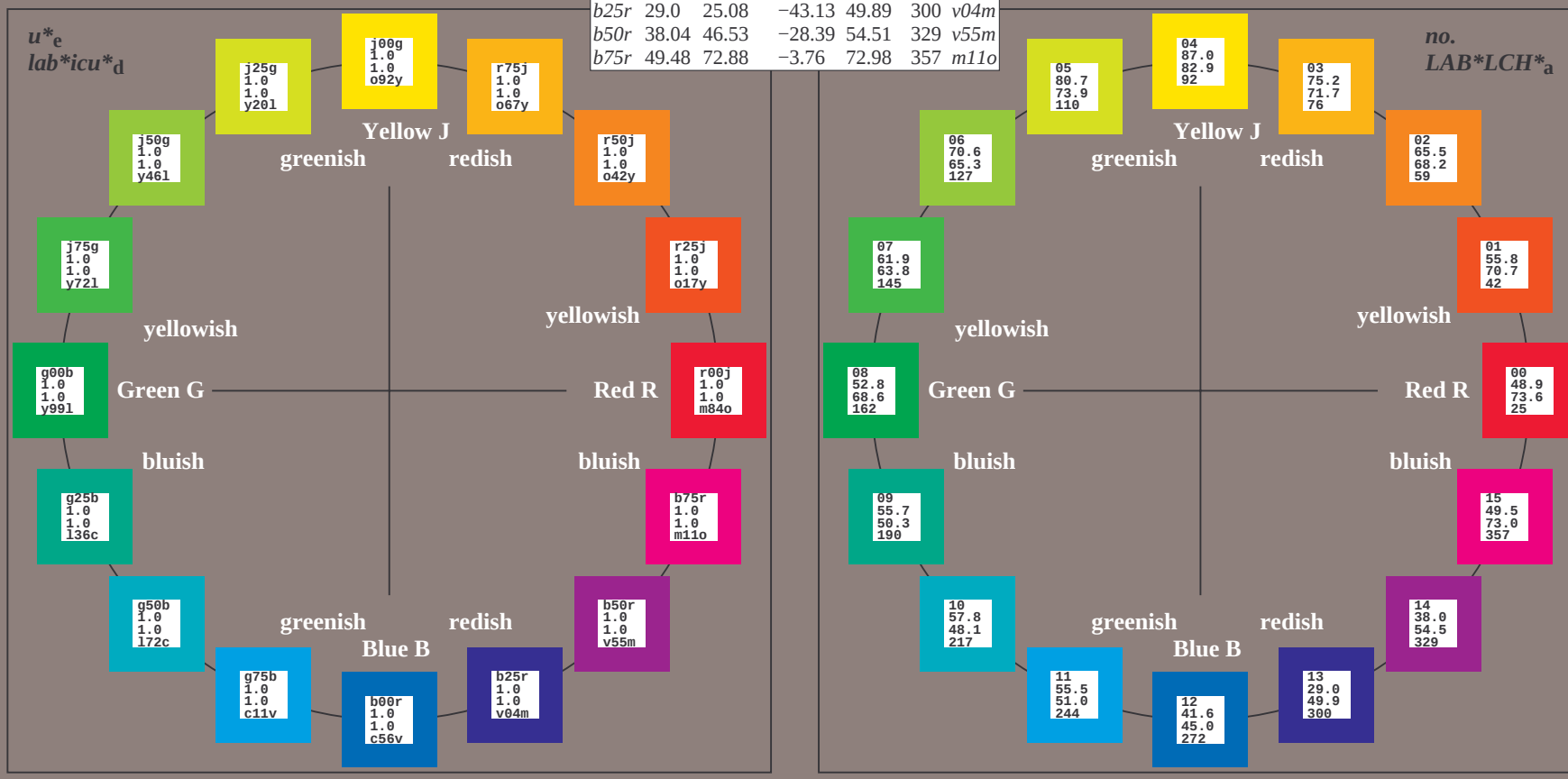
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



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

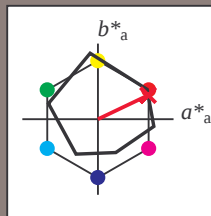
ORS19_96a; adapted (a) CIELAB data

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
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

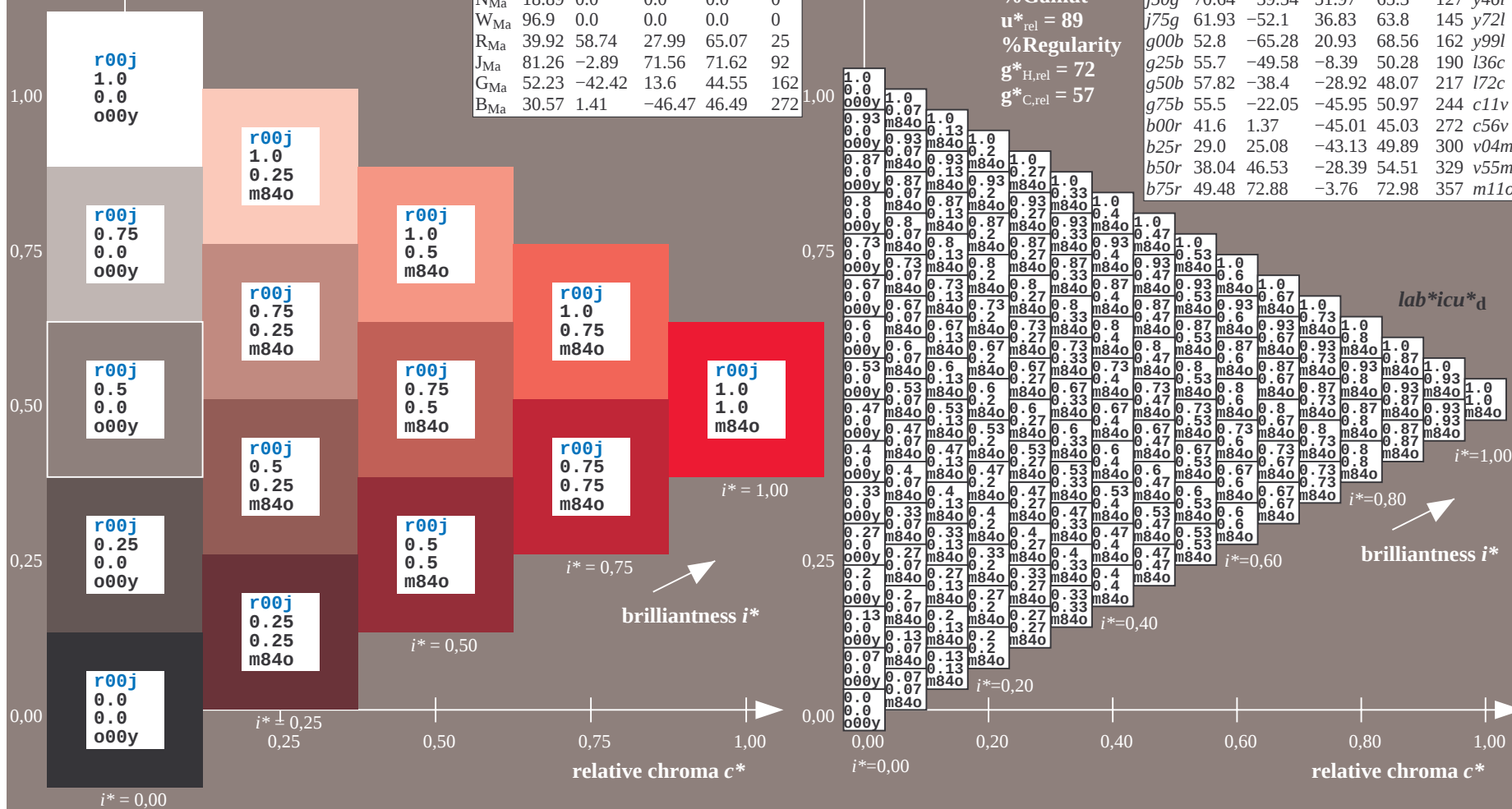
$u^*_{\text{rel}} = 89$

% Regularity

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

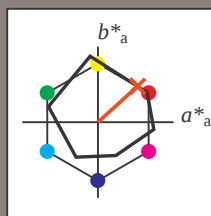
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

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

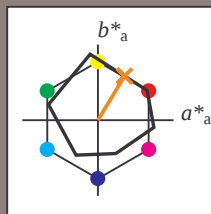
Hue texts:

$u_e^* = r50j$ $u_d^* = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 65 35 58

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 65 68 58

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.42 0.0

triangle lightness t^*

% Gamut

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

% Regularity

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

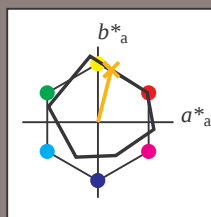
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data
 $u_e^* L^* = L_a^* a^* a^* b^* a^* C^*_{ab,a} h^*_{ab,a} u^*_{\text{d}}$

r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r75j$ $u^*_d = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 75 18 69

$LAB^*LCH^*_{Ma}$: 75 72 75

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

$lab^*olv^*_{Ma}$: 1.0 0.68 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$lab^*icu^*_d$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

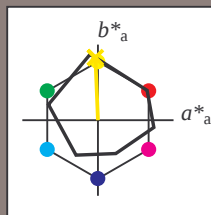
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 87 -3 83$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 87 83 92$

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 0.93 0.0$

triangle lightness t^*

% Gamut

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

% Regularity

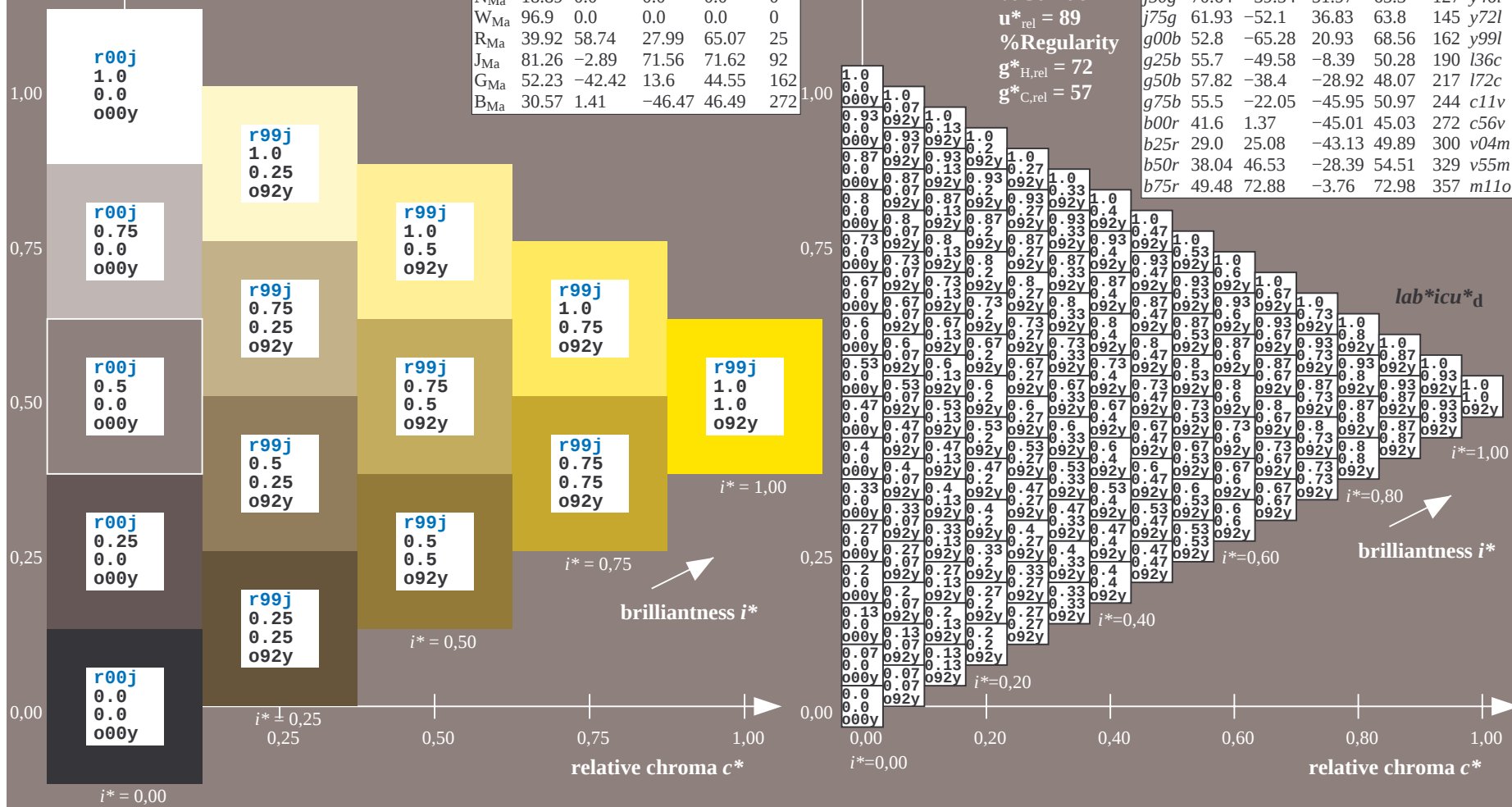
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data	u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

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

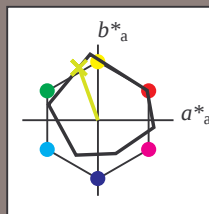
Hue texts:

$u^*_e = j25g$ $u^*_d = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 1.0 0.0

triangle lightness t^*

% Gamut

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

% Regularity

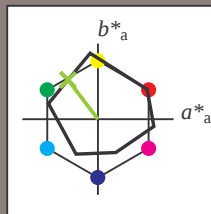
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j50g$ $u_d^* = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 71 65 127

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.54 1.0 0.0

triangle lightness t^*

% Gamut

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

% Regularity

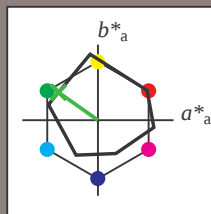
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j75g$ $u^*_d = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

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

%Regularity

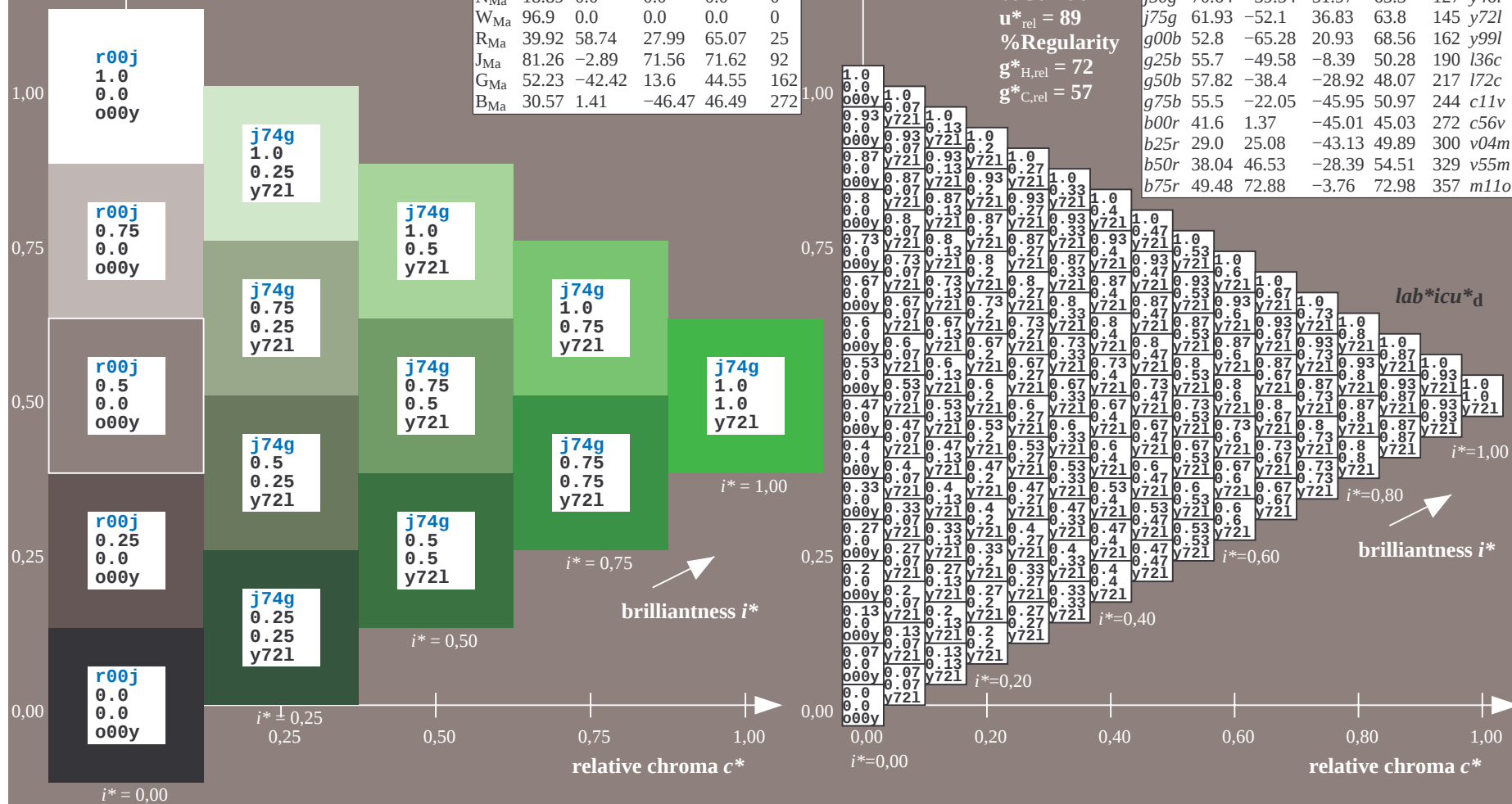
$g^*_{H,\text{rel}} = 72$

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpX=0

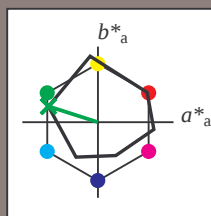
BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems



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

Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

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

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

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

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

triangle lightness t^*

%Gamut

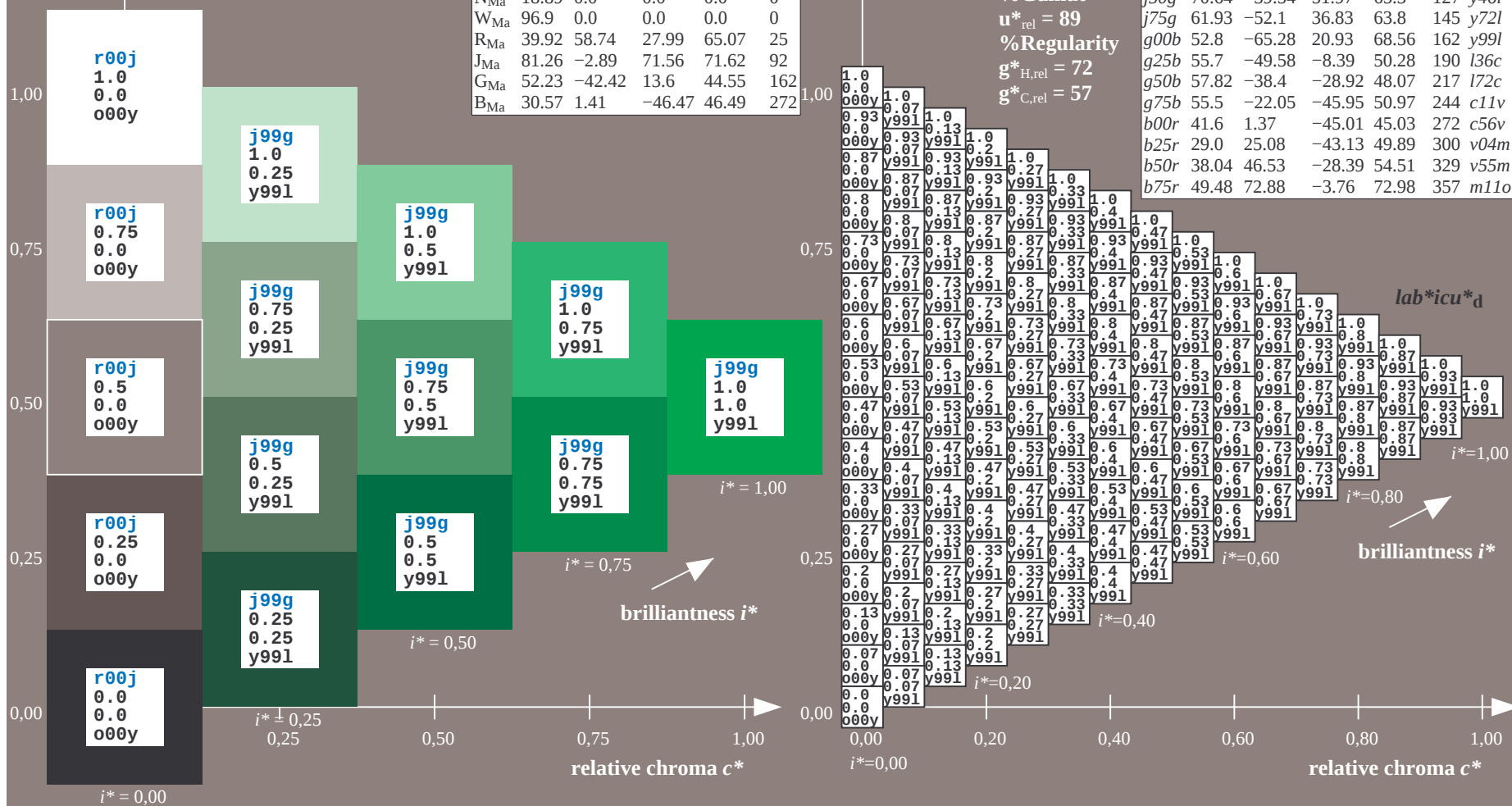
$u^*_{\text{rel}} = 89$

%Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$

data for any colour:

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

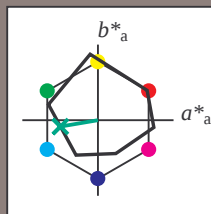
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 50 189

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.36

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_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$

data for any colour:

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

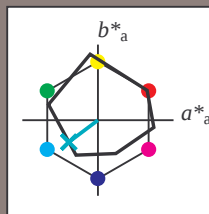
Hue texts:

$u^*_e = g50b$ $u^*_d = l72c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{Ma}$: 58 48 216

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

% Gamut

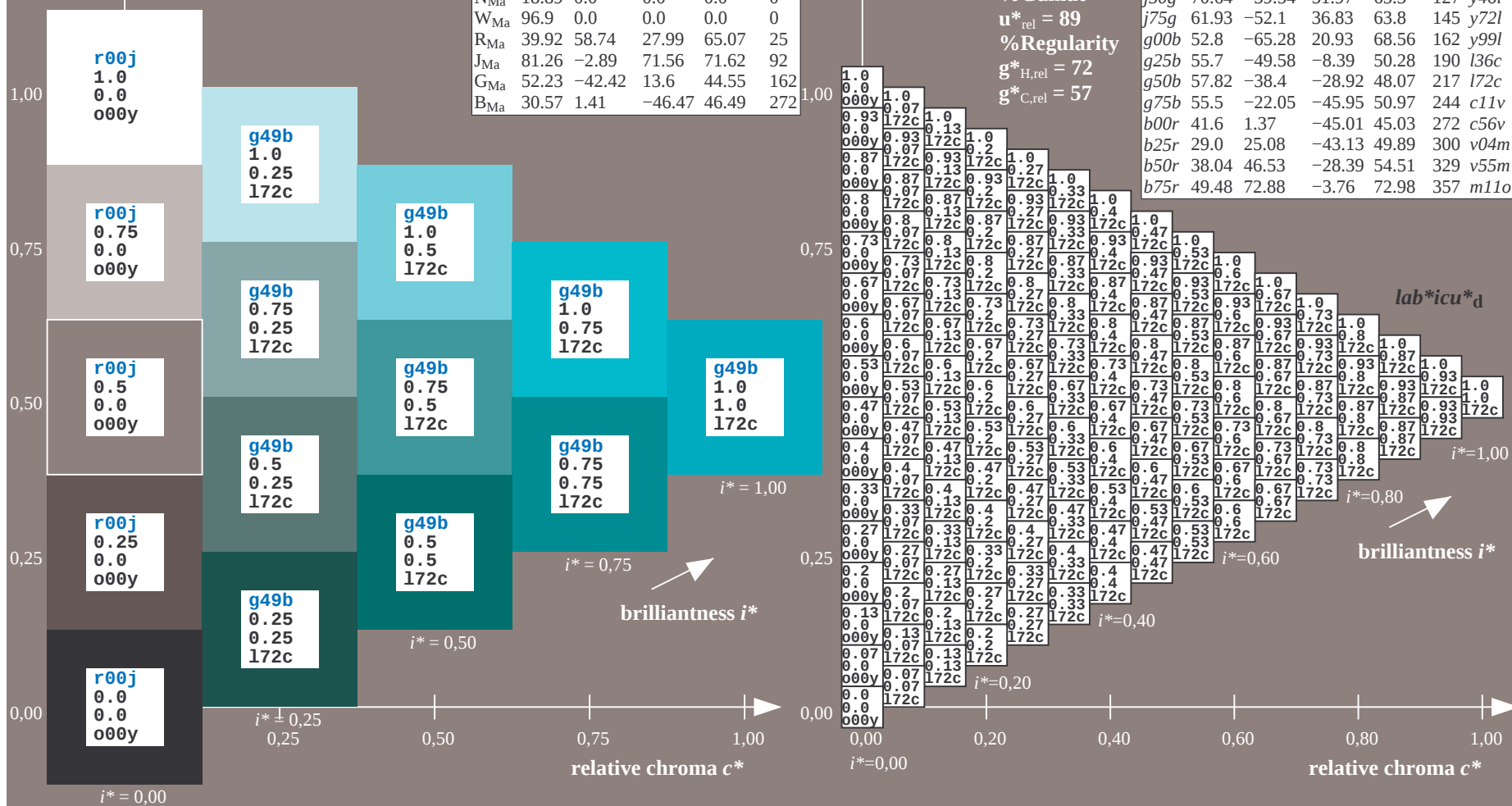
$u^*_{rel} = 89$

% Regularity

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

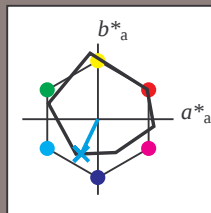
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 1.0

triangle lightness t^*

% Gamut

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

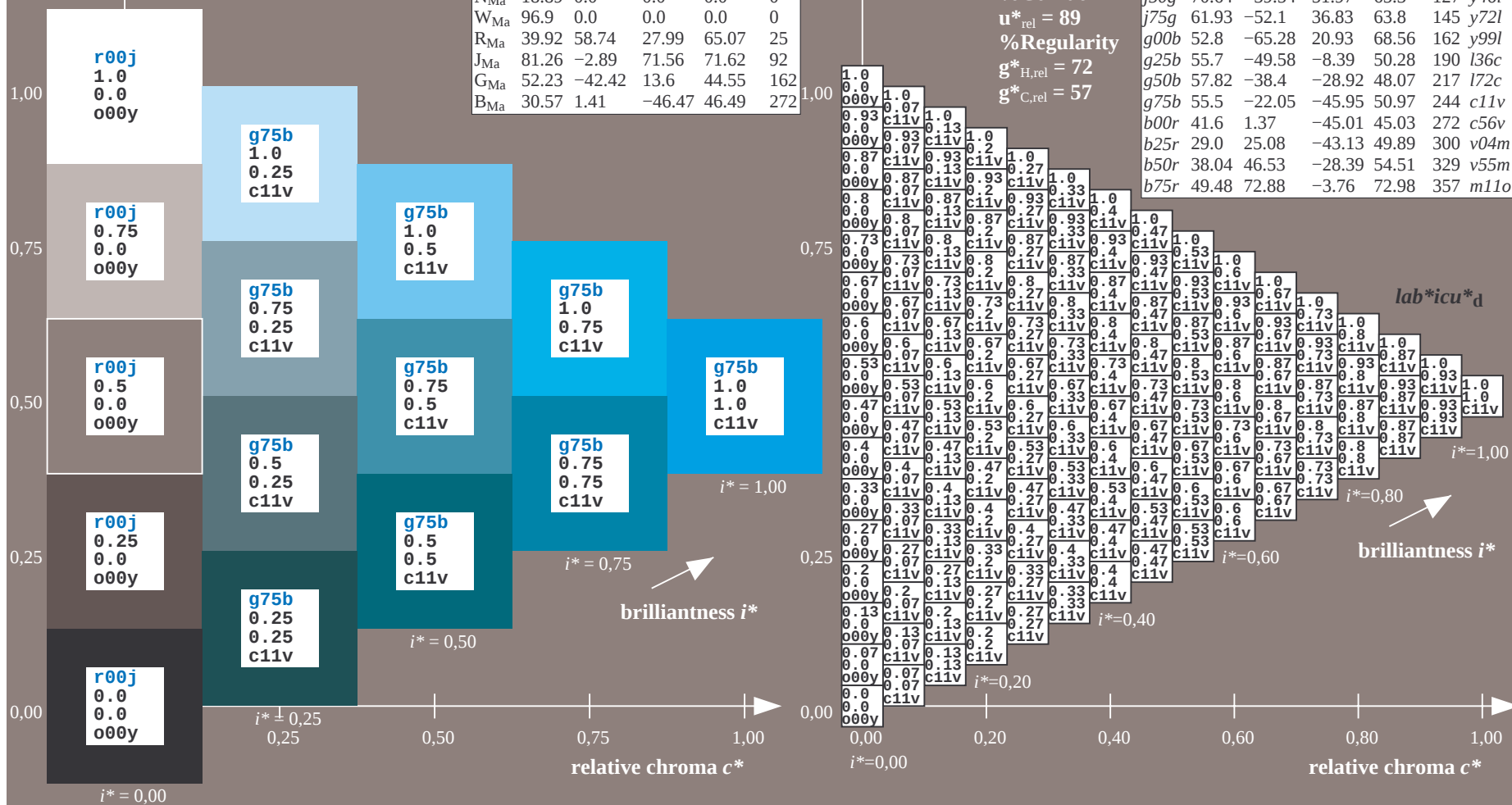
% Regularity

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

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

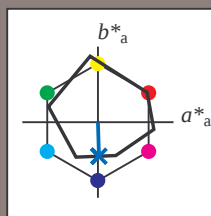
ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u_e^* = g75b$
 $\text{lab}^*icu^*_d$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 42 45 271

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.44 1.0

triangle lightness t^*

% Gamut

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

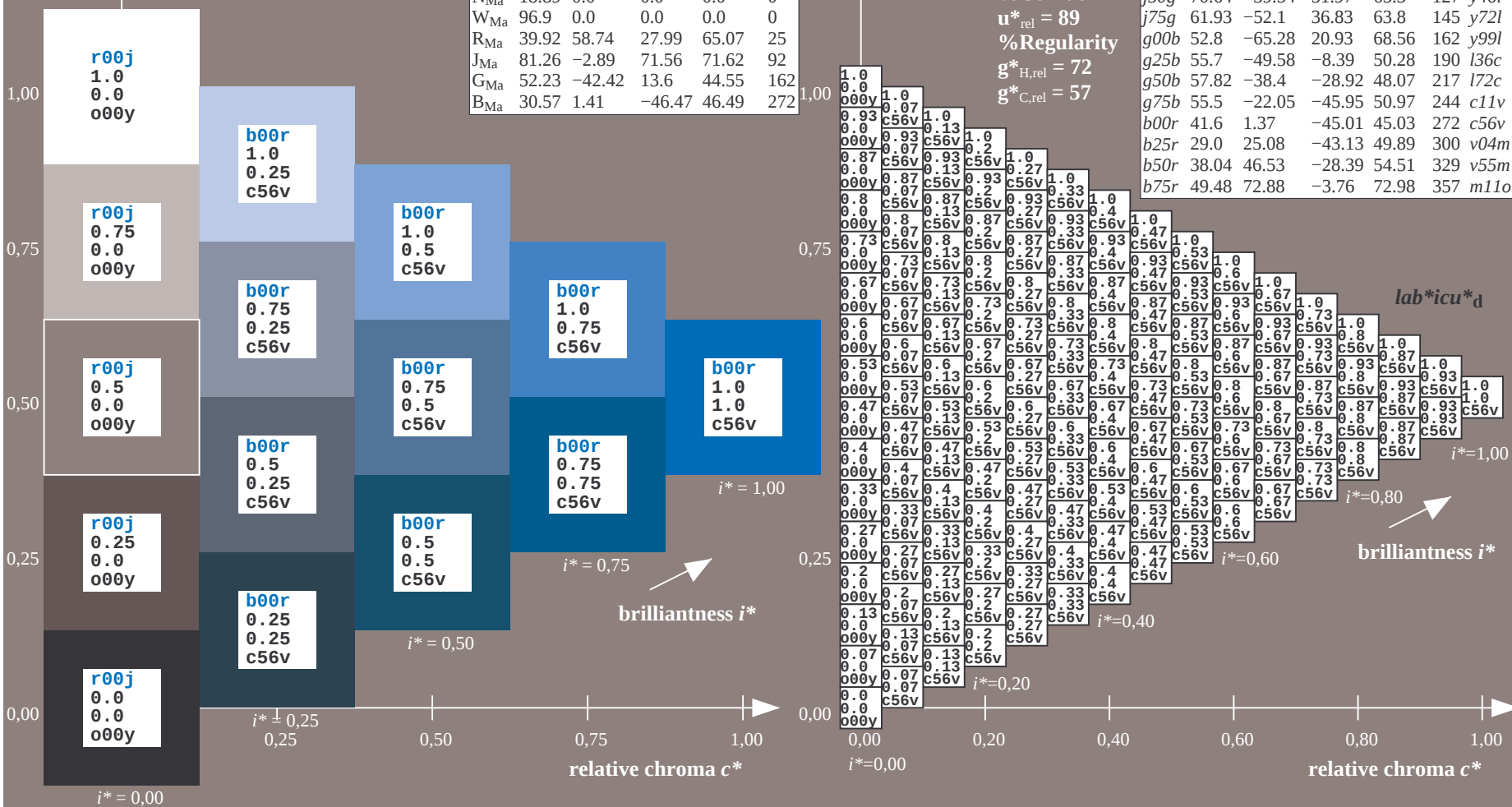
% Regularity

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

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

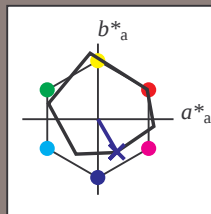
ORS19_96a; adapted (a) CIELAB data					
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

$u_e^* = b00r$
 $\text{lab}^*icu^*_d$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.834$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = b25r$ $u^*_d = v04m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 29 25 -43

$\text{LAB}^*\text{LCH}^*_{Ma}$: 29 50 300

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

$\text{lab}^*\text{olv}^*_{Ma}$: 0.04 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
r00j	48.88	66.47	31.67	73.63	25
r25j	55.85	52.39	47.48	70.7	42
r50j	65.45	35.22	58.37	68.17	59
r75j	75.19	17.82	69.41	71.66	76
j00g	87.03	-3.35	82.83	82.9	92
j25g	80.72	-25.01	69.5	73.86	110
j50g	70.64	-39.54	51.97	65.3	127
j75g	61.93	-52.1	36.83	63.8	145
g00b	52.8	-65.28	20.93	68.56	162
g25b	55.7	-49.58	-8.39	50.28	190
g50b	57.82	-38.4	-28.92	48.07	217
g75b	55.5	-22.05	-45.95	50.97	244
b00r	41.6	1.37	-45.01	45.03	272
b25r	29.0	25.08	-43.13	49.89	300
b50r	38.04	46.53	-28.39	54.51	329
b75r	49.48	72.88	-3.76	72.98	357

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

brilliantness i^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

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

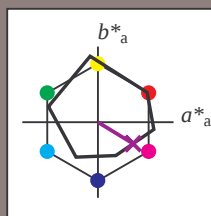
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

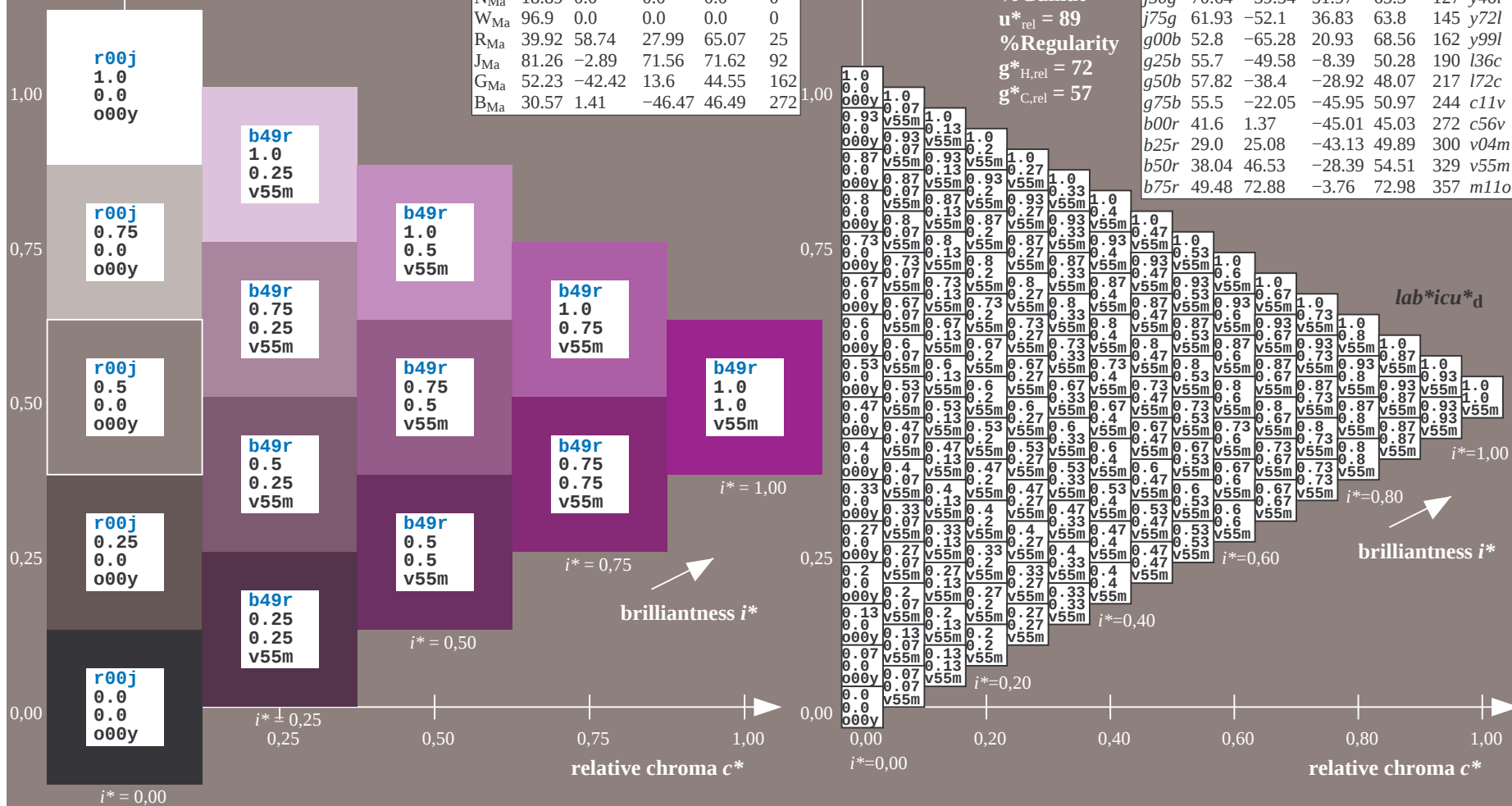
$u^*_{\text{rel}} = 89$

%Regularity

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

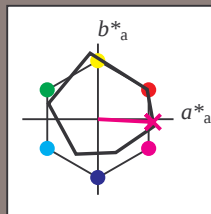
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m110$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



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

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

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

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

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

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

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1, ColSpX=0

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	a	b	c	d	e	f	g	h	i	j	k	lab*icu*d						
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	1.0	1.0	0.0	0.0	0.0	0.0				
0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	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	1.0	1.0	1.0	0.0	0.0	0.0	0.0			
0.0	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	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	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	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	0.13	0.13	0.13	0.13		
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	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.13	0.13	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.25	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	1.0	1.0	1.0	0.25	0.25	0.25	0.25		
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	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	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	1.0	1.0	1.0	1.0	0.38	0.38	0.38	0.38		
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	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	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	1.0	0.38	0.38	0.38	0.5	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	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	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	1.0	1.0	1.0	0.5	0.5	0.5	0.5		
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	0.5	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	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	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	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	1.0	0.5	0.5	0.5	0.5	0.5	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	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.63	0.63	0.63	0.63			
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	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		
0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.75	0.88	1.0	0.63	0.63	0.63	0.63	0.63	0.63	0.63	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		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	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		
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	1.0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.88	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	0.88	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	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	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		
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0		
0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	1.0	0.88	0.88	0.88	0.88	0.88	0.88	0.88	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	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		
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	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	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.38	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	0.5	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	0.63	0.63
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	0.5	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	0.63	0.63
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	0.5	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	0.63	0.63
0.38	0.25	0.25	0.25	0.38	0.5	0.63	0.75	0.88	0.5	0.38	0.38	0.38	0.38	0.5	0.63	0.75	0.88	0.63	0.5	0.5	0.5	0.5	0.5	0.63	0.75	0.88	0.13	0.0																

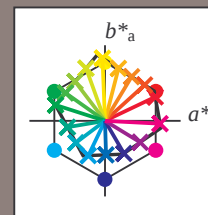
BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rh4ta
application for evaluation and measurement of printer or monitor systems

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

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 u^*_e = 16 hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

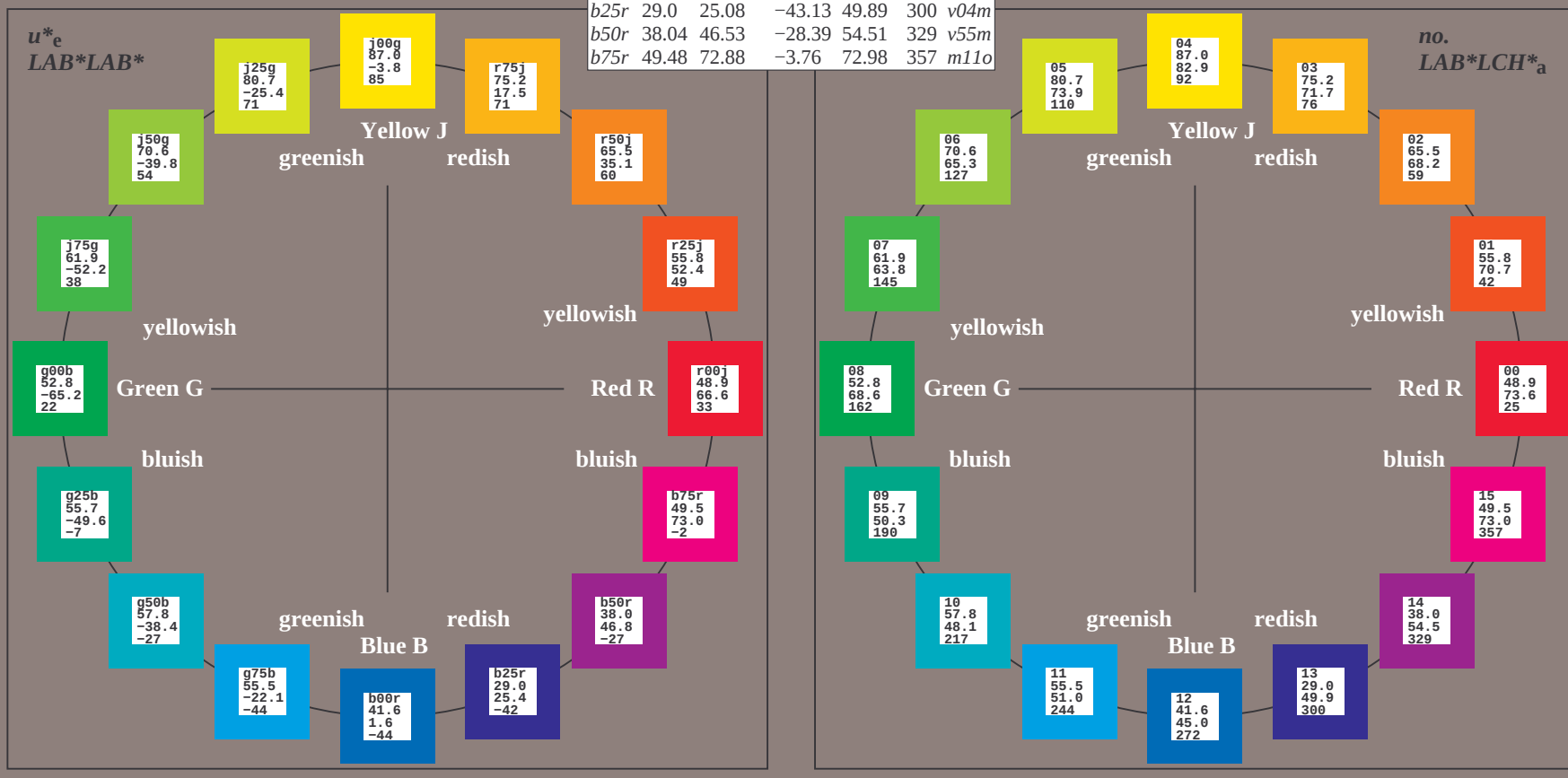
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



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

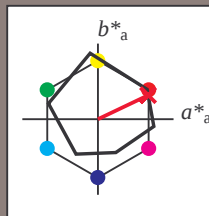
ORS19_96; CIELAB data

Name	$L^*=L^*_a$	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
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.071$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r00j$ $u^*_d = m84o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 49 66 32

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 49 74 25

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.0 0.15

triangle lightness t^*

%Gamut

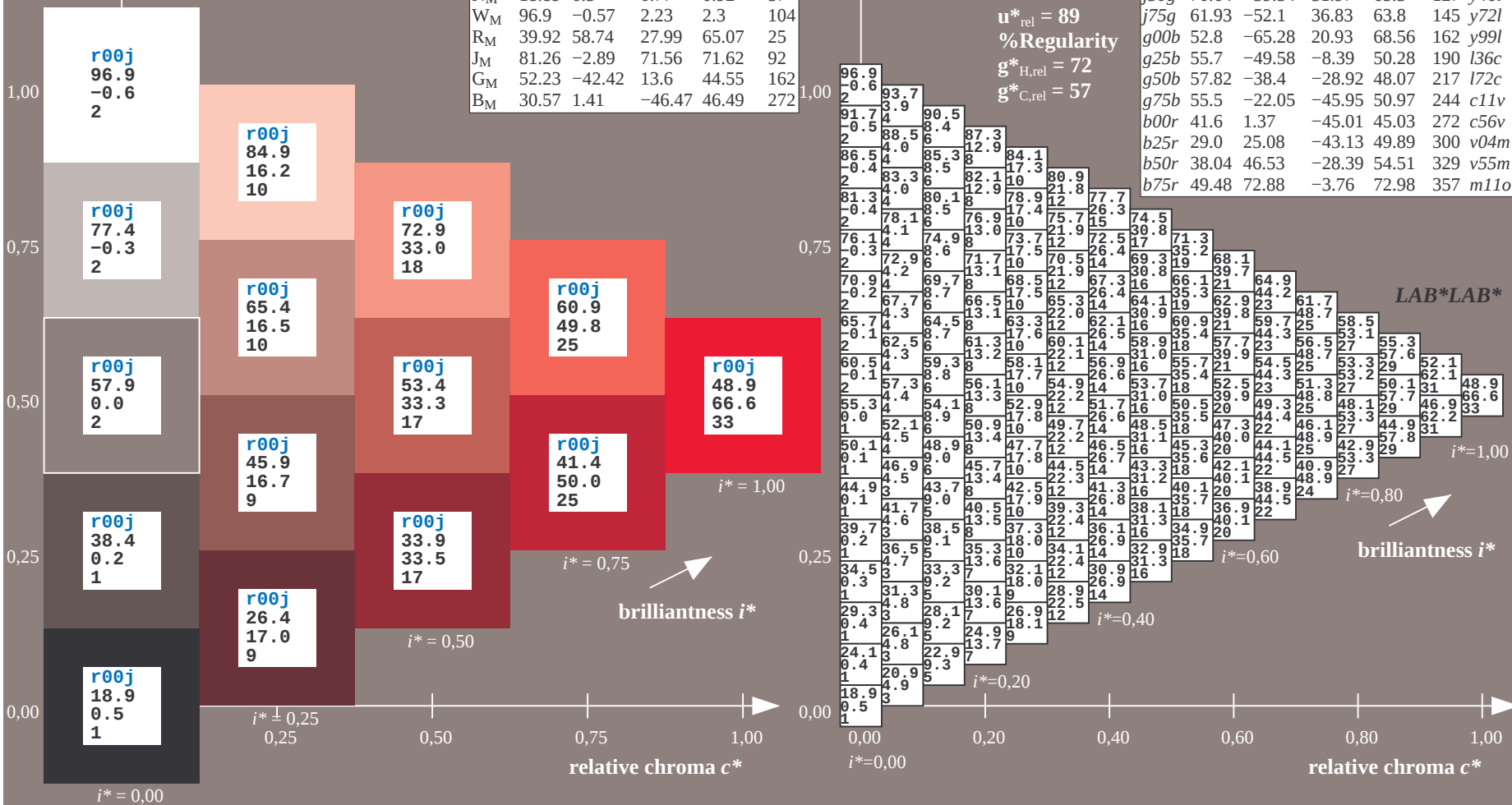
$u^*_{\text{rel}} = 89$

%Regularity

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

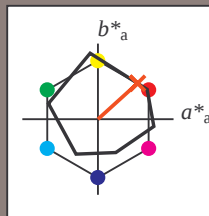
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 56 \ 52 \ 47$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 56 \ 71 \ 42$

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

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 \ 0.17 \ 0.0$

triangle lightness t^*

%Gamut

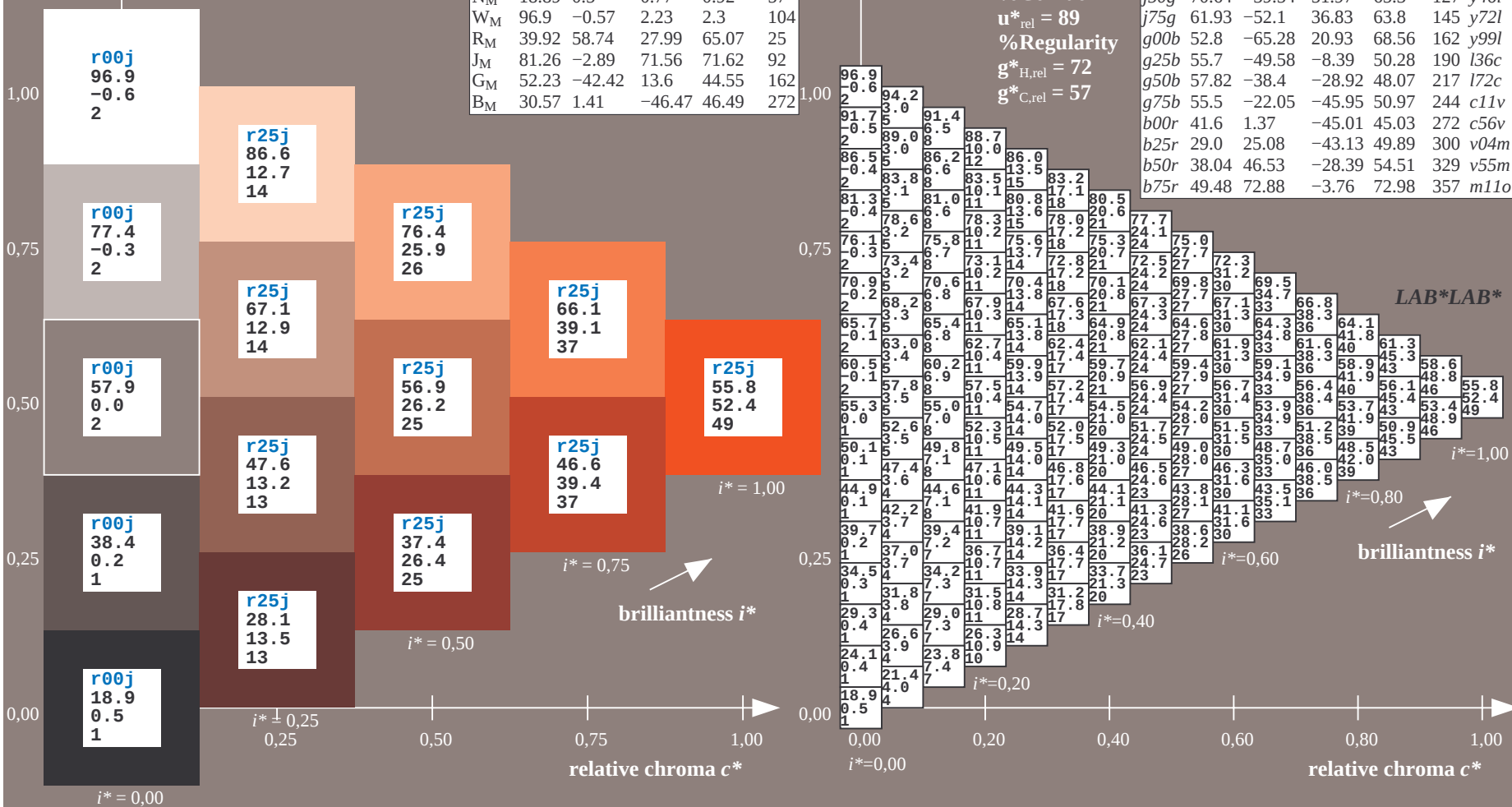
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

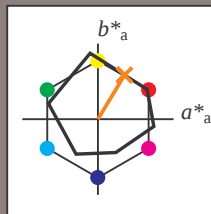


Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.164$ data for any colour: Data for maximum colour (Ma):

$u_e^* = r50j$
 LAB^*LAB^*

Hue texts:

$u_e^* = r50j$ $u_d^* = o42y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L^*$	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
R _M	39.92	58.74	27.99	65.07		25
J _M	81.26	-2.89	71.56	71.62		92
G _M	52.23	-42.42	13.6	44.55		16
B _M	30.57	1.41	-46.47	46.49		27

Data for maximum colour (Ma):

LAB*LAB*Ma: 65 35 58

LAB*LCH*M_a: 65 68 58

*lab*rag**M₃: 1.0 0.5 0.0

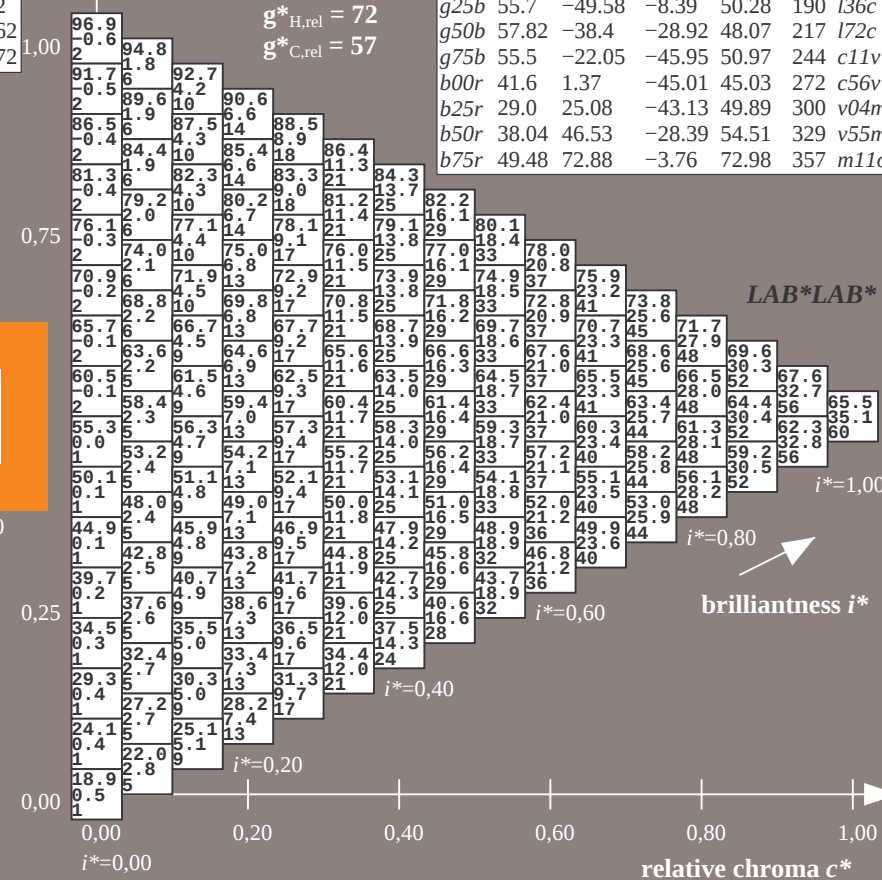
 $lab*ply_{M_2}: 1.0 \quad 0.42 \quad 0.0$ triangle lightness t^*

10

%Gamut

$$u_{rel}^* = 89$$

%Regular

$$\alpha^*_{H,rel} = 72$$
brilliantness i^*

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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0,80 1,00

relative chroma c^*

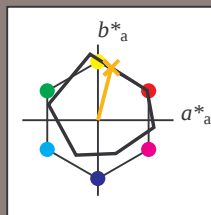


BAM-test chart Ee14; Colorimetric systems, Page 220/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmv0* setcmvcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 75 72 75

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.75 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.68 0.0

triangle lightness t^*

%Gamut

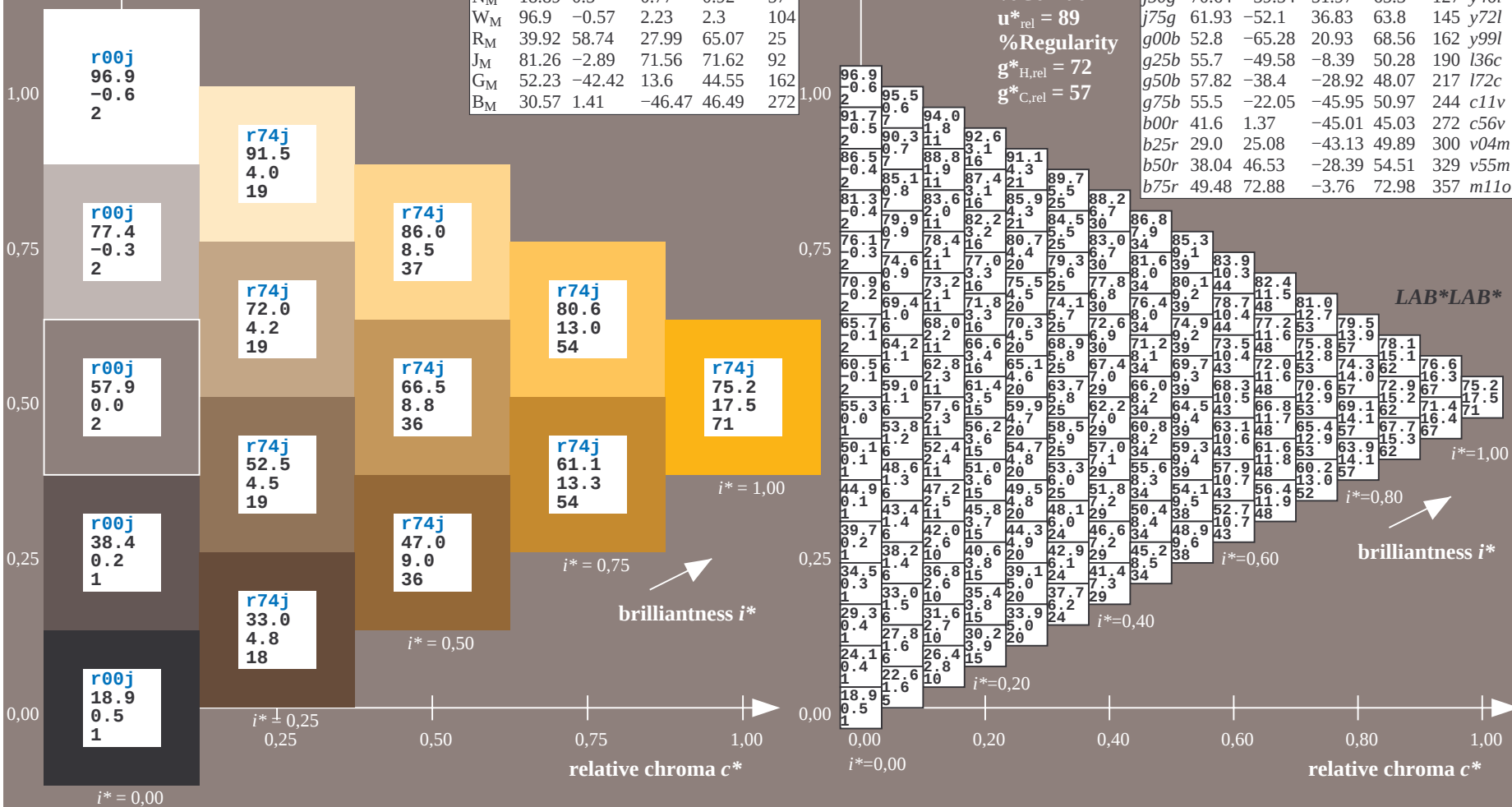
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

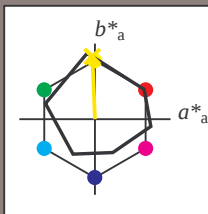
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*Ma: 87 -3 83$

$LAB^*LCH^*Ma: 87 83 92$

$lab^*rgb^*Ma: 1.0 1.0 0.0$

$lab^*olv^*Ma: 1.0 0.93 0.0$

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

brilliantness i^*

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

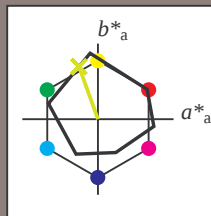
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j25g$ $u^*_d = y20l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 81 74 109

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.75 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.8 1.0 0.0

triangle lightness t^*

%Gamut

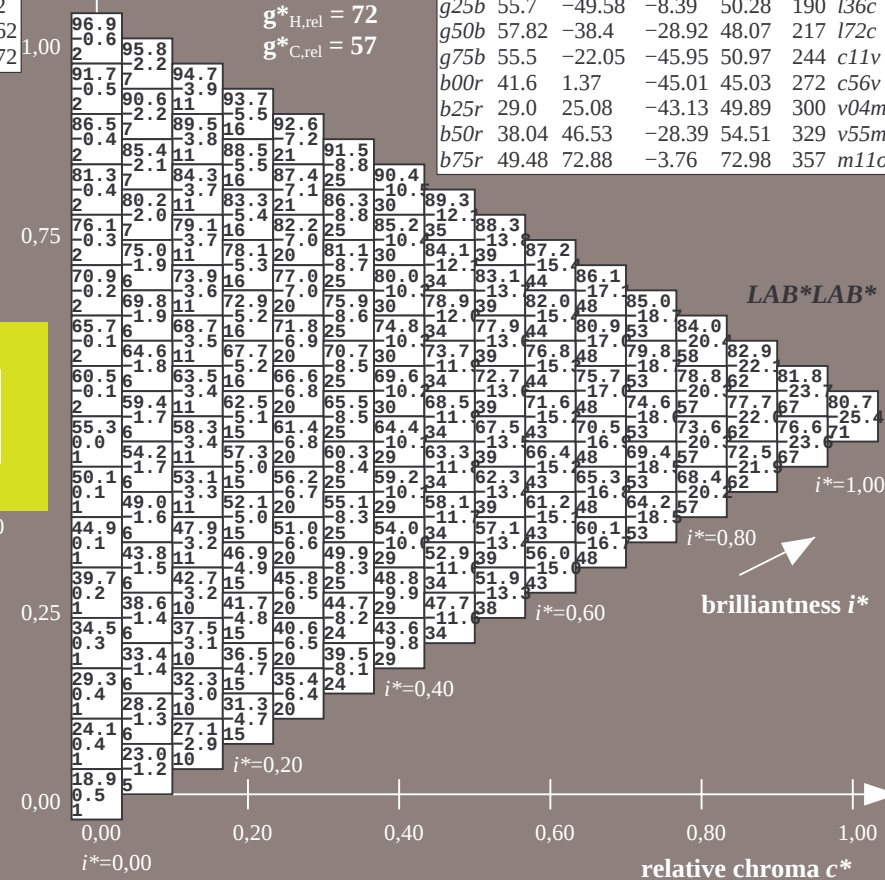
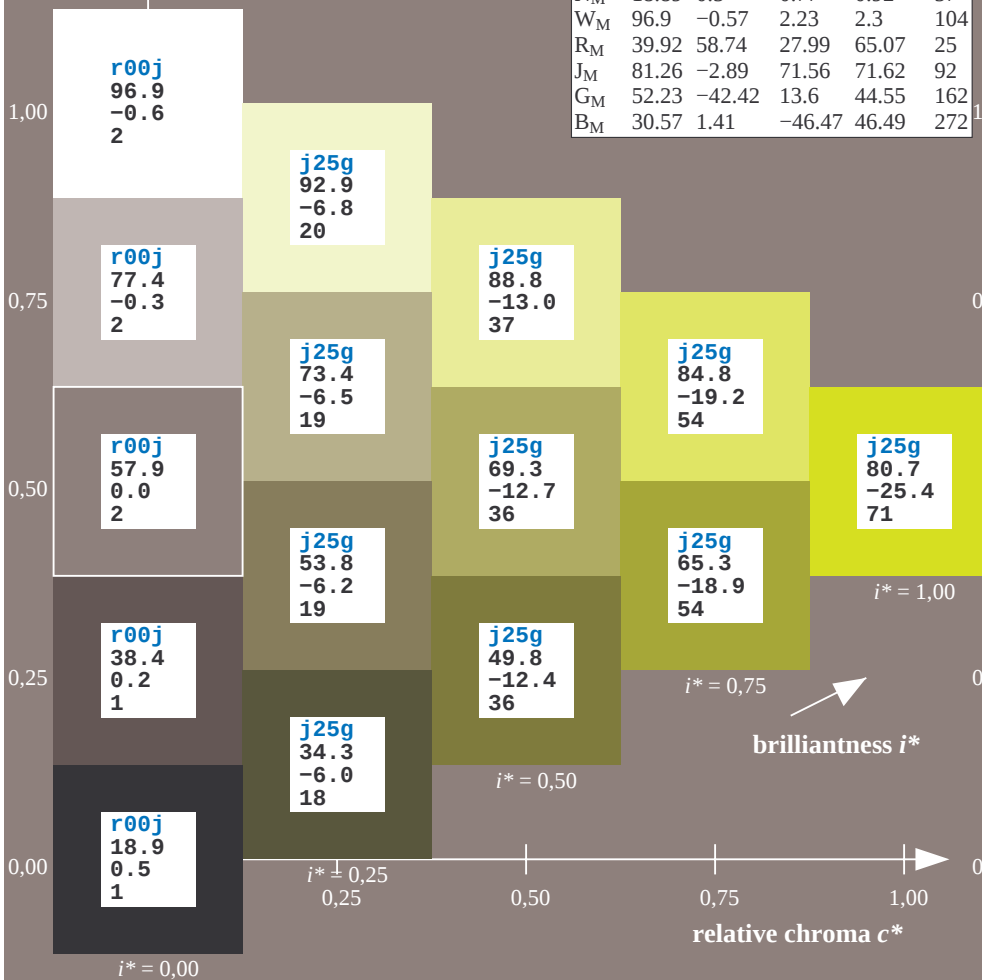
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

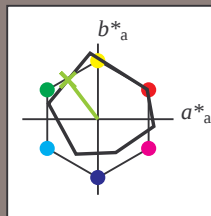
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j50g$ $u^*_d = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 71 65 127

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.5 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

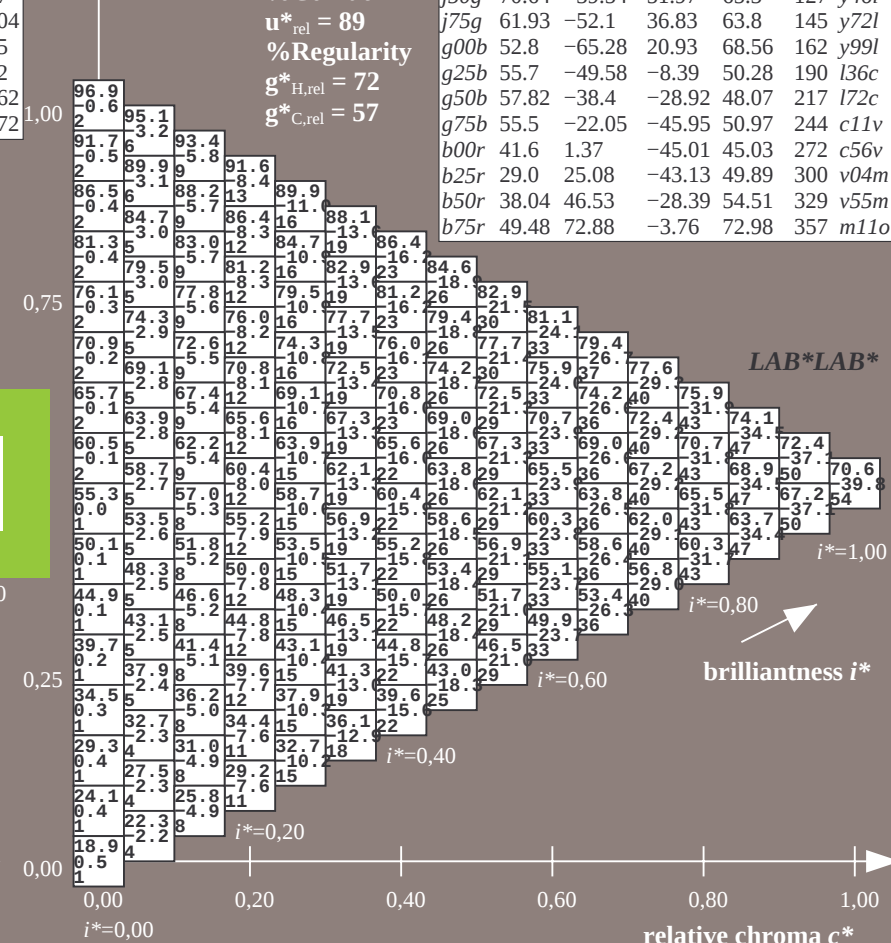
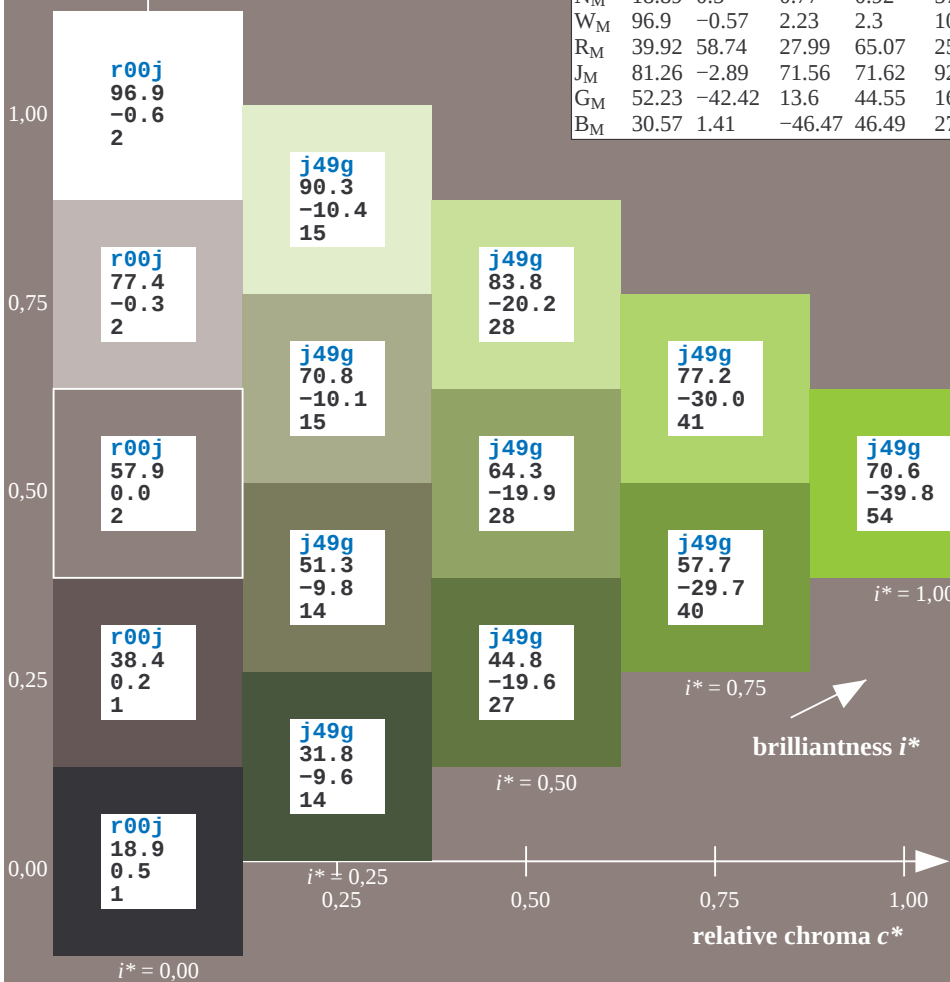
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

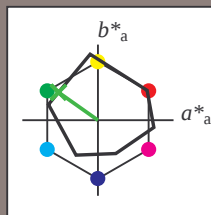
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.25 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 1.0 0.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

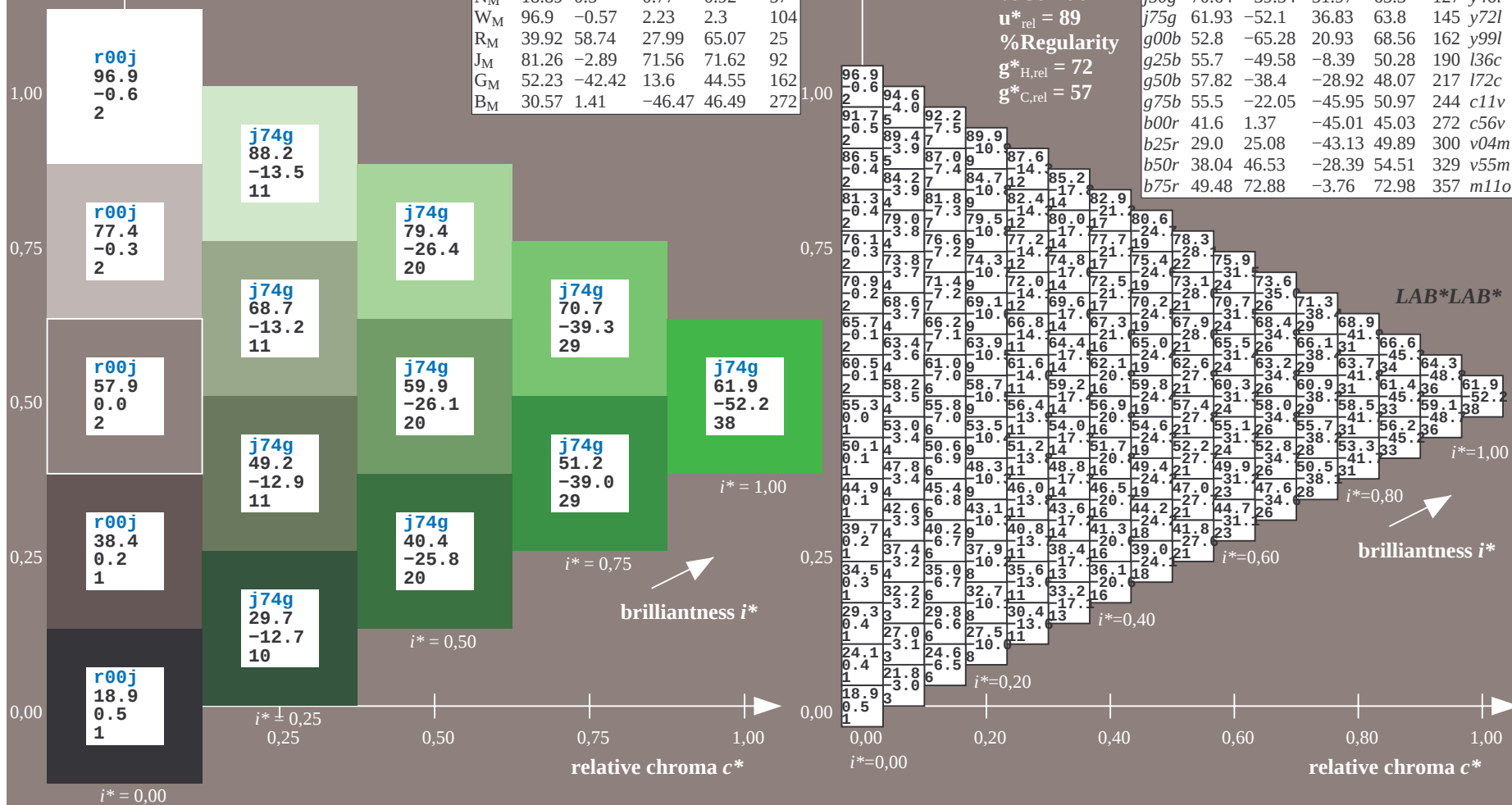
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

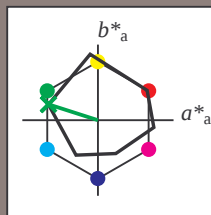
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = j75g$
 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:
 $u_e^* = g00b$ $u_d^* = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 69 162

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.0

triangle lightness t^*

%Gamut

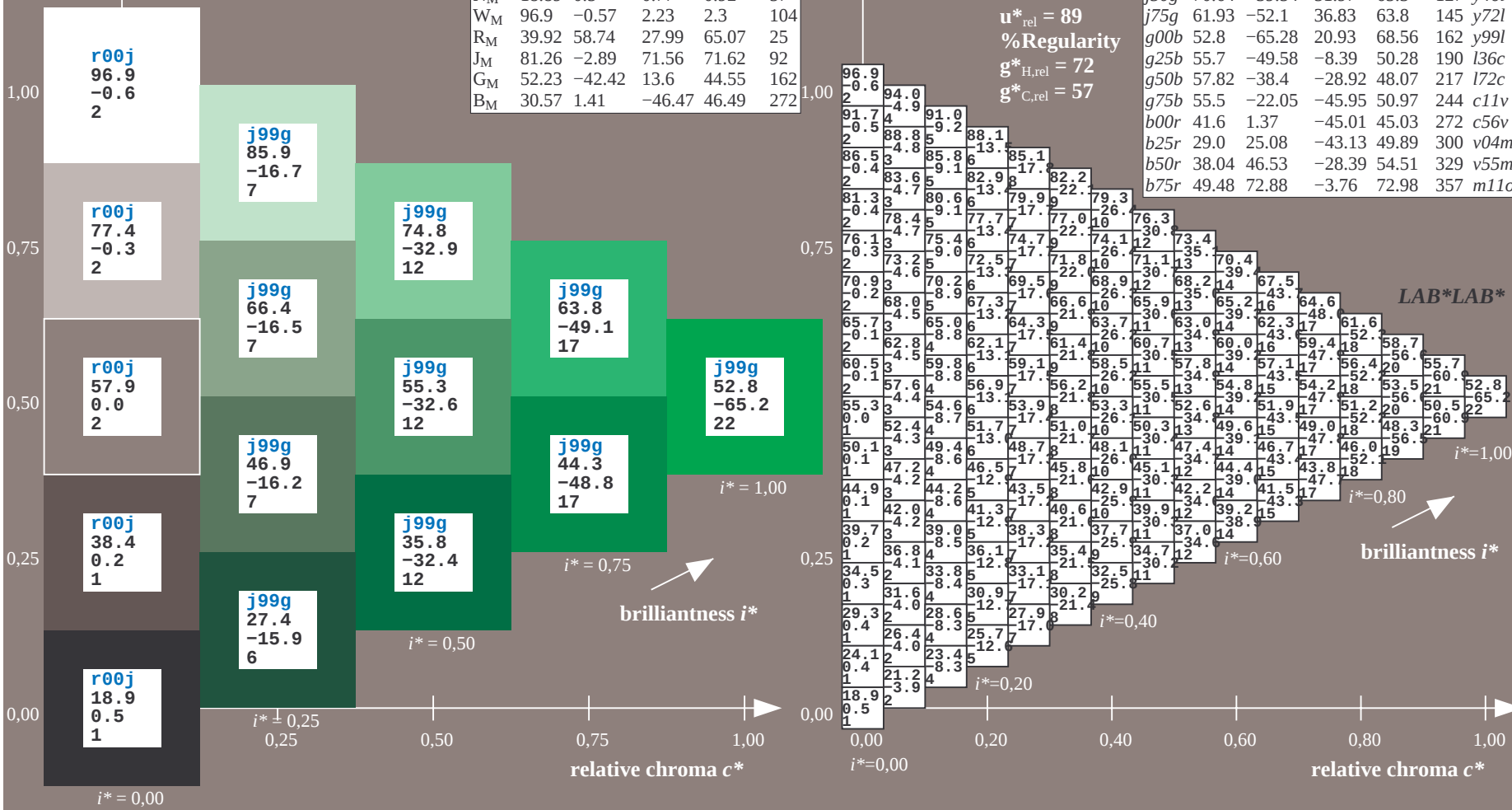
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

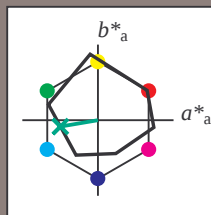
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g25b$ $u^*_d = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 56 -50 -8$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 56 50 189$

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 0.0 1.0 0.5$

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 0.0 1.0 0.36$

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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

LAB^*LAB^*

$i^*=1.00$

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

$i^*=0.00$

$i^*=0.00$

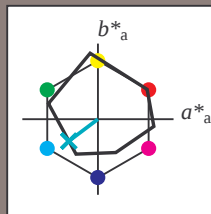
$i^*=0.00$

$i^*=0.00$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 58 -38 -29

$LAB^*LCH^*_{Ma}$: 58 48 216

$lab^*rgb^*_{Ma}$: 0.0 1.0 1.0

$lab^*olv^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

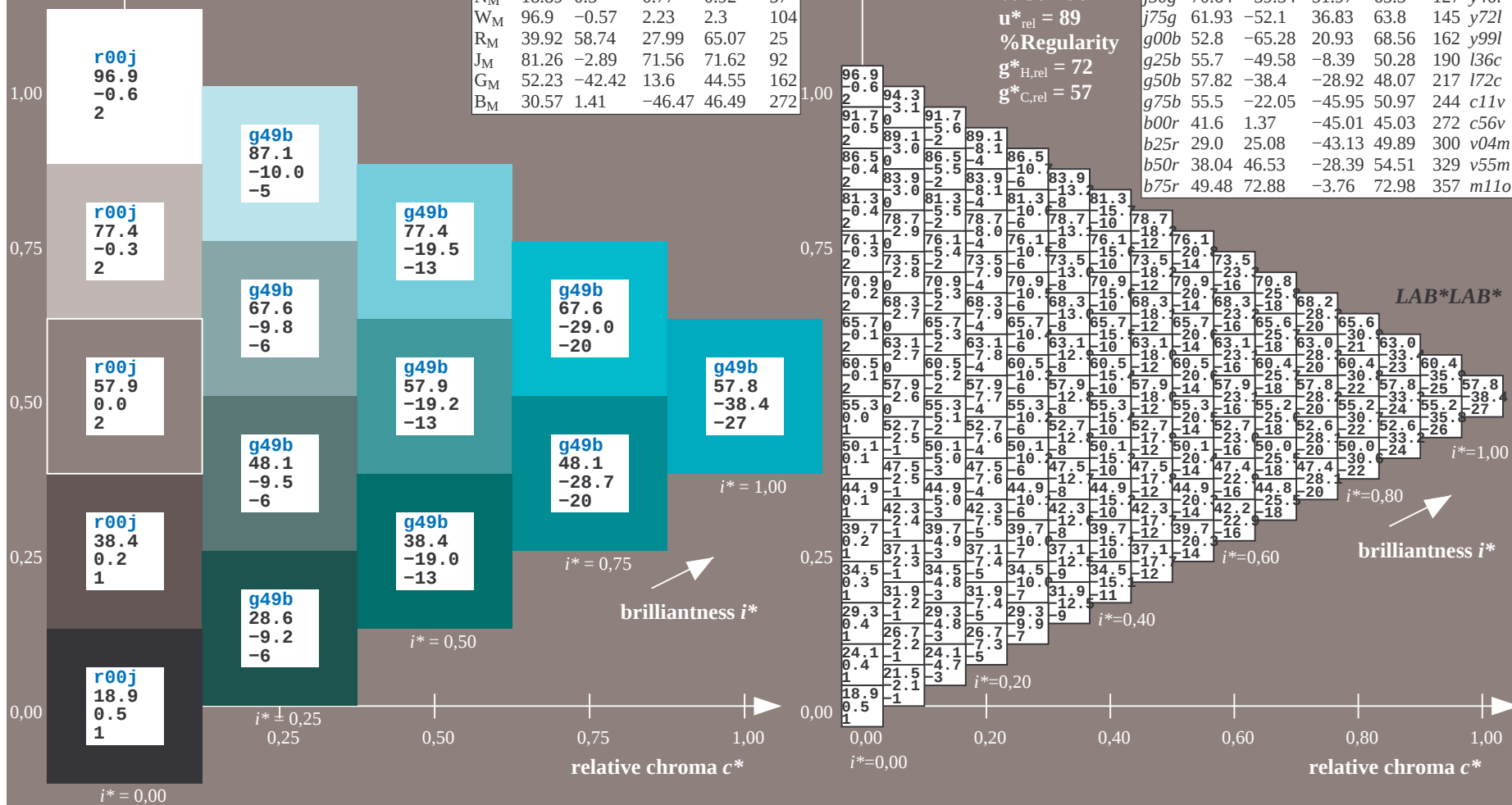
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

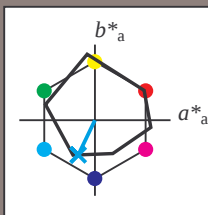
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.5 1.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

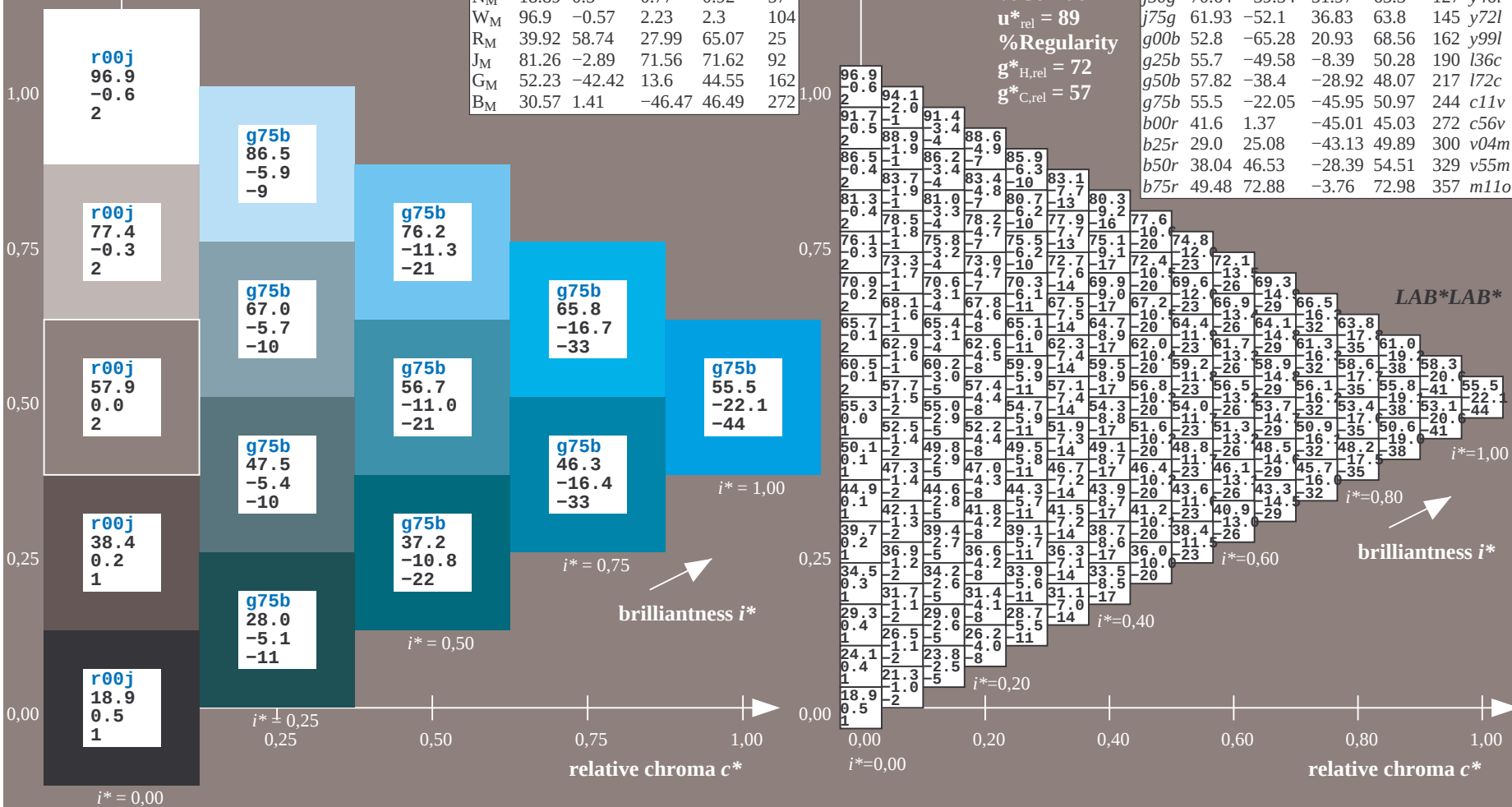
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

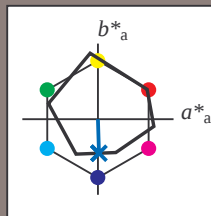
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b00r$ $u_d^* = c56v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*\text{Ma}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*\text{Ma}$: 42 45 271

$\text{lab}^*\text{rgb}^*\text{Ma}$: 0.0 0.0 1.0

$\text{lab}^*\text{olv}^*\text{Ma}$: 0.0 0.44 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_e^*	$L^*=L_a^*$	a^*	b^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

LAB^*LAB^*

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

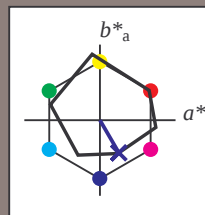
$i^*=0.20$

$i^*=0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ data for any colour:

$u_e^* = b25r$
 LAB^*LAB^*

Hue texts:
 $u^*_e = b25r \quad u^*_d = v04m$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	16	
B _M	30.57	1.41	-46.47	46.49	27	

Data for maximum colour (Ma):

LAB*LAB*Ma: 29 25 -43

LAB*LCH*Ma: 29 50 300

*lab*rag**Ma: 0.5 0.0 1.0

*lab*olv**Ma: 0.04 0.0 1.0

triangle lightness t^*

0

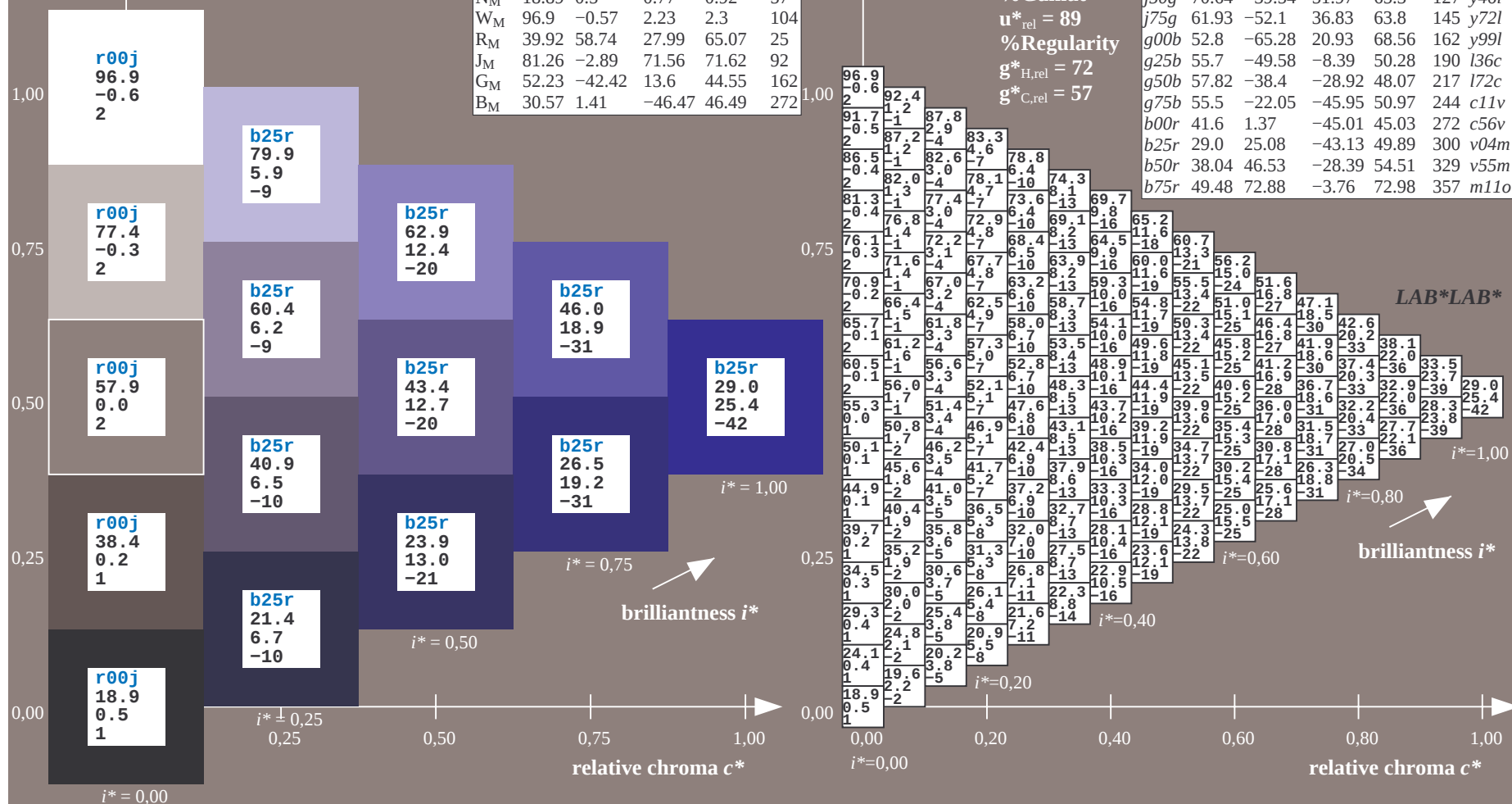
%Gamut

$$\mathbf{u}_{\text{rel}}^* = 89$$

% Regularly

$$\alpha^*_{H,rel} = 72$$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84d</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>	



BAM registration: 20081001-Ee14/10/L14E00NA.PS/.TXT BAM material: code=rha4ta
+ application for evaluation and measurement of printer or monitor systems

```
input: 000n / w / nnn0 / www set...
output: ->cmv0* setcmvcolor
```

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

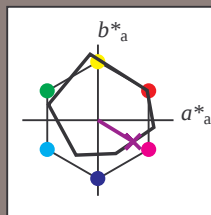
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{Ma}$: 38 55 328

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 1.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.56 0.0 1.0

triangle lightness t^*

%Gamut

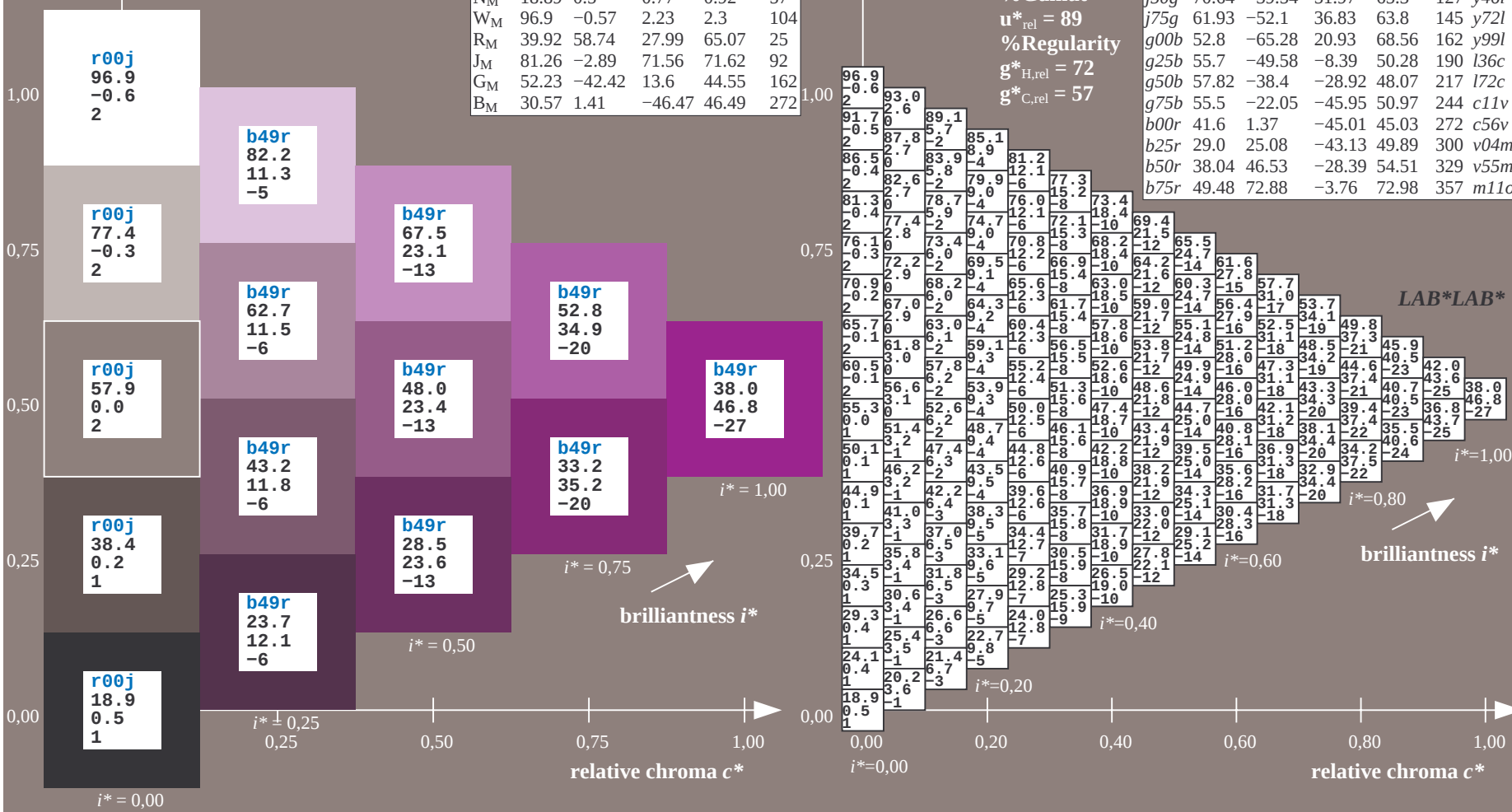
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

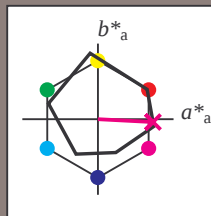
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 49 \ 73 \ -4$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 49 \ 73 \ 357$

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 1.0 \ 0.0 \ 0.5$

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 \ 0.0 \ 0.89$

triangle lightness t^*

%Gamut

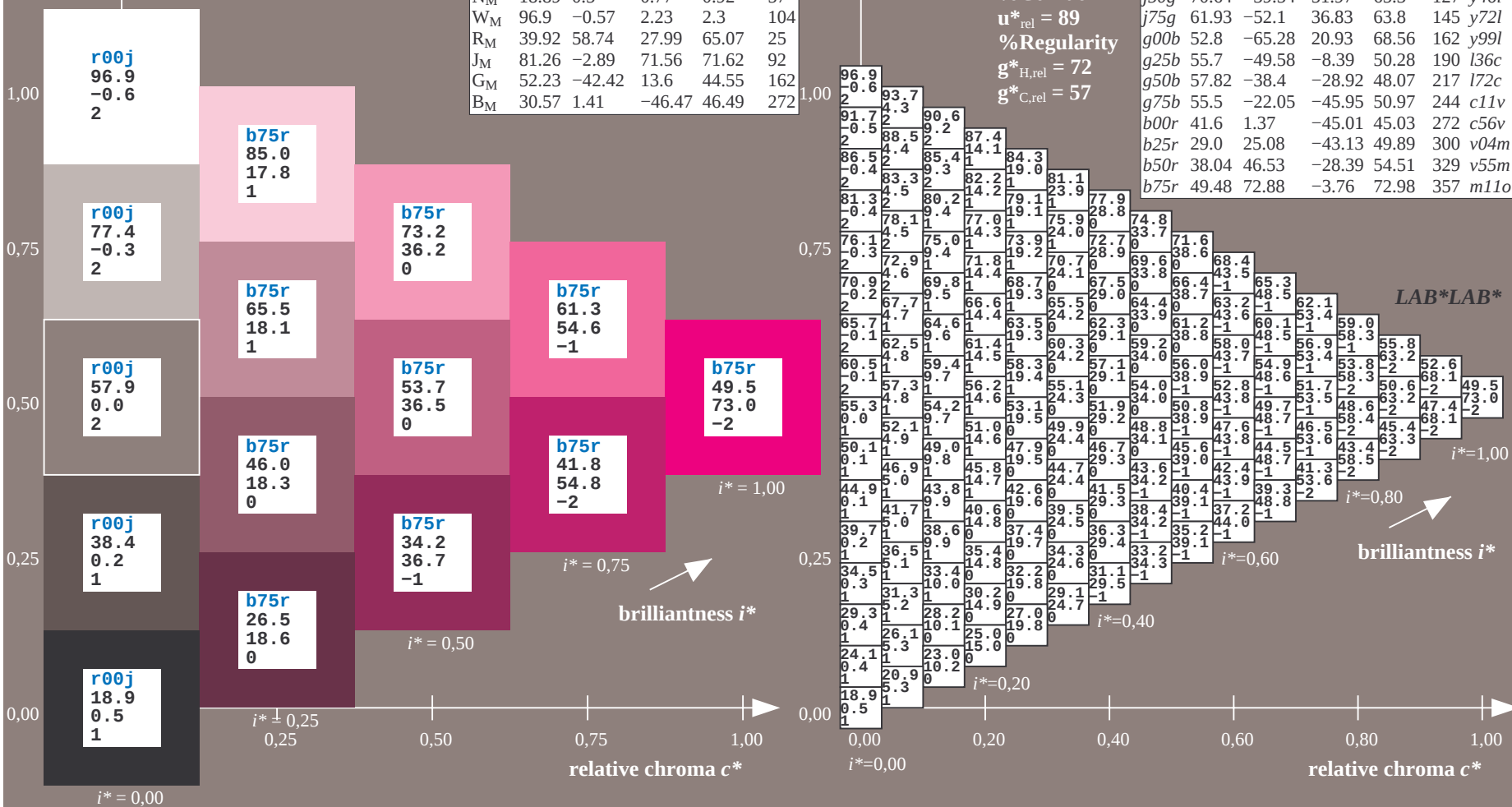
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe14/10L/L14E00NA.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	40.0	44.2	48.5	52.7	56.9	61.1	65.3	69.5	73.7	77.9	82.1	86.3	90.5	94.7	98.9	103.1	107.3	111.5	115.7	119.9	124.1	128.3	132.5	136.7	140.9	145.1	149.3	153.5	157.7	161.9	166.1	170.3	174.5	178.7	182.9	187.1	191.3	195.5	199.7	203.9	208.1	212.3	216.5	220.7	224.9	229.1	233.3	237.5	241.7	245.9	250.1	254.3	258.5	262.7	266.9	271.1	275.3	279.5	283.7	287.9	292.1	296.3	300.5	304.7	308.9	313.1	317.3	321.5	325.7	329.9	334.1	338.3	342.5	346.7	350.9	355.1	359.3	363.5	367.7	371.9	376.1	380.3	384.5	388.7	392.9	397.1	401.3	405.5	409.7	413.9	418.1	422.3	426.5	430.7	434.9	439.1	443.3	447.5	451.7	455.9	460.1	464.3	468.5	472.7	476.9	481.1	485.3	489.5	493.7	497.9	502.1	506.3	510.5	514.7	518.9	523.1	527.3	531.5	535.7	539.9	544.1	548.3	552.5	556.7	560.9	565.1	569.3	573.5	577.7	581.9	586.1	590.3	594.5	598.7	602.9	607.1	611.3	615.5	619.7	623.9	628.1	632.3	636.5	640.7	644.9	649.1	653.3	657.5	661.7	665.9	670.1	674.3	678.5	682.7	686.9	691.1	695.3	699.5	703.7	707.9	712.1	716.3	720.5	724.7	728.9	733.1	737.3	741.5	745.7	749.9	754.1	758.3	762.5	766.7	770.9	775.1	779.3	783.5	787.7	791.9	796.1	800.3	804.5	808.7	812.9	817.1	821.3	825.5	829.7	833.9	838.1	842.3	846.5	850.7	854.9	859.1	863.3	867.5	871.7	875.9	880.1	884.3	888.5	892.7	896.9	901.1	905.3	909.5	913.7	917.9	922.1	926.3	930.5	934.7	938.9	943.1	947.3	951.5	955.7	959.9	964.1	968.3	972.5	976.7	980.9	985.1	989.3	993.5	997.7	1001.9	1006.1	1010.3	1014.5	1018.7	1022.9	1027.1	1031.3	1035.5	1039.7	1043.9	1048.1	1052.3	1056.5	1060.7	1064.9	1069.1	1073.3	1077.5	1081.7	1085.9	1090.1	1094.3	1098.5	1102.7	1106.9	1111.1	1115.3	1119.5	1123.7	1127.9	1132.1	1136.3	1140.5	1144.7	1148.9	1153.1	1157.3	1161.5	1165.7	1169.9	1174.1	1178.3	1182.5	1186.7	1190.9	1195.1	1199.3	1203.5	1207.7	1211.9	1216.1	1220.3	1224.5	1228.7	1232.9	1237.1	1241.3	1245.5	1249.7	1253.9	1258.1	1262.3	1266.5	1270.7	1274.9	1279.1	1283.3	1287.5	1291.7	1295.9	1300.1	1304.3	1308.5	1312.7	1316.9	1321.1	1325.3	1329.5	1333.7	1337.9	1342.1	1346.3	1350.5	1354.7	1358.9	1363.1	1367.3	1371.5	1375.7	1379.9	1384.1	1388.3	1392.5	1396.7	1400.9	1405.1	1409.3	1413.5	1417.7	1421.9	1426.1	1430.3	1434.5	1438.7	1442.9	1447.1	1451.3	1455.5	1459.7	1463.9	1468.1	1472.3	1476.5	1480.7	1484.9	1489.1	1493.3	1497.5	1501.7	1505.9	1510.1	1514.3	1518.5	1522.7	1526.9	1531.1	1535.3	1539.5	1543.7	1547.9	1552.1	1556.3	1560.5	1564.7	1568.9	1573.1	1577.3	1581.5	1585.7	1589.9	1594.1	1598.3	1602.5	1606.7	1610.9	1615.1	1619.3	1623.5	1627.7	1631.9	1636.1	1640.3	1644.5	1648.7	1652.9	1657.1	1661.3	1665.5	1669.7	1673.9	1678.1	1682.3	1686.5	1690.7	1694.9	1699.1	1703.3	1707.5	1711.7	1715.9	1720.1	1724.3	1728.5	1732.7	1736.9	1741.1	1745.3	1749.5	1753.7	1757.9	1762.1	1766.3	1770.5	1774.7	1778.9	1783.1	1787.3	1791.5	1795.7	1799.9	1804.1	1808.3	1812.5	1816.7	1820.9	1825.1	1829.3	1833.5	1837.7	1841.9	1846.1	1850.3	1854.5	1858.7	1862.9	1867.1	1871.3	1875.5	1879.7	1883.9	1888.1	1892.3	1896.5	1900.7	1904.9	1909.1	1913.3	1917.5	1921.7	1925.9	1930.1	1934.3	1938.5	1942.7	1946.9	1951.1	1955.3	1959.5	1963.7	1967.9	1972.1	1976.3	1980.5	1984.7	1988.9	1993.1	1997.3	2001.5	2005.7	2009.9	2014.1	2018.3	2022.5	2026.7	2030.9	2035.1	2039.3	2043.5	2047.7	2051.9	2056.1	2060.3	2064.5	2068.7	2072.9	2077.1	2081.3	2085.5	2089.7	2093.9	2098.1	2102.3	2106.5	2110.7	2114.9	2119.1	2123.3	2127.5	2131.7	2135.9	2140.1	2144.3	2148.5	2152.7	2156.9	2161.1	2165.3	2169.5	2173.7	2177.9	2182.1	2186.3	2190.5	2194.7	2198.9	2203.1	2207.3	2211.5	2215.7	2219.9	2224.1	2228.3	2232.5	2236.7	2240.9	2245.1	2249.3	2253.5	2257.7	2261.9	2266.1	2270.3	2274.5	2278.7	2282.9	2287.1	2291.3	2295.5	2299.7	2303.9	2308.1	2312.3	2316.5	2320.7	2324.9	2329.1	2333.3	2337.5	2341.7	2345.9	2350.1	2354.3	2358.5	2362.7	2366.9	2371.1	2375.3	2379.5	2383.7	2387.9	2392.1	2396.3	2400.5	2404.7	2408.9	2413.1	2417.3	2421.5	2425.7	2429.9	2434.1	2438.3	2442.5	2446.7	2450.9	2455.1	2459.3	2463.5	2467.7	2471.9	2476.1	2480.3	2484.5	2488.7	2492.9	2497.1	2501.3	2505.5	2509.7	2513.9	2518.1	2522.3	2526.5	2530.7	2534.9	2539.1	2543.3	2547.5	2551.7	2555.9	2560.1	2564.3	2568.5	2572.7	2576.9	2581.1	2585.3	2589.5	2593.7	2597.9	2602.1	2606.3	2610.5	2614.7	2618.9	2623.1	2627.3	2631.5	2635.7	2639.9	2644.1	2648.3	2652.5	2656.7	2660.9	2665.1	2669.3	2673.5	2677.7	2681.9	2686.1	2690.3	2694.5	2698.7	2702.9	2707.1	2711.3	2715.5	2719.7	2723.9	2728.1	2732.3	2736.5	2740.7	2744.9	2749.1	2753.3	2757.5	2761.7	2765.9	2770.1	2774.3	2778.5	2782.7	2786.9	2791.1	2795.3	2799.5	2803.7	2807.9	2812.1	2816.3	2820.5	2824.7	2828.9	2833.1	2837.3	2841.5	2845.7	2849.9	2854.1	2858.3	2862.5	2866.7	2870.9	2875.1	2879.3	2883.5	2887.7	2891.9	2896.1	2900.3	2904.5	2908.7	2912.9	2917.1	2921.3	2925.5	2929.7	2933.9	2938.1	2942.3	2946.5	2950.7	2954.9	2959.1	2963.3	2967.5	2971.7	2975.9	2980.1	2984.3	2988.5	2992.7	2996.9	3001.1	3005.3	3009.5	3013.7	3017.9	3022.1	3026.3	3030.5	3034.7	3038.9	3043.1	3047.3	3051.5	3055.7	3059.9	3064.1	3068.3	3072.5	3076.7	3080.9	3085.1	3089.3	3093.5	3097.7	3101.9	3106.1	3110.3	3114.5	3118.7	3122.9	3127.1	3131.3	3135.5	3139.7	3143.9	3148.1	3152.3	3156.5	3160.7	3164.9	3169.1	3173.3	3177.5	3181.7	3185.9	3190.1	3194.3	3198.5	3202.7	3206.9	3211.1	3215.3	3219.5	3223.7	3227.9	3232.1	3236.3	3240.5	3244.7	3248.9	3253.1	3257.3	3261.5	3265.7	3269.9	3274.1	3278.3	3282.5	3286.7	3290.9	3295.1	3299.3	3303.5	3307.7	3311.9	3316.1	3320.3	3324.5	3328.7	3332.9	3337.1	3341.3	3345.5	3349.7	3353.9	3358.1	3362.3	3366.5	3370.7	3374.9	3379.1	3383.3	3387.5	3391.7	3395.9	3400.1	3404.3	3408.5	3412.7	3416.9	3421.1	3425.3	3429.5	3433.7	3437.9	3442.1	3446.3	3450.5	3454.7	3458.9	3463.1	3467.3	3471.5	3475.7	3479.9	3484.1	3488.3	3492.5	3496.7	3500.9	3505.1	3509.3	3513.5	3517.7	3521.9	3526.1	3530.3	3534.5	3538.7	3542.9	3547.1	3551.3	3555.5	3559.7	3563.9	3568.1	3572.3	3576.5	3580.7	3584.9	3589.1	3593.3	3597.5	3601.7	3605.9	3610.1	3614.3	3618.5	3622.7	3626.9	3631.1	3635.3	3639.5	3643.7	3647.9	3652.1	3656.3	3660.5	3664.7	3668.9	3673.1	3677.3	3681.5	3685.7	3689.9	3694.1	3698.3	3702.5	3706.7	3710.9	3715.1	3719.3	3723.5	3727.7	3731.9	3736.1	3740.3	3744.5	3748.7	3752.9	3757.1	3761.3	3765.5	3769.7	3773.9	3778.1	3782.3	3786.5	3790.7	3794.9	3799.1	3803.3	3807.5	3811.7	3815.9	3820.1	3824.3	3828.5	3832.7	3836.9	3841.1	3845.3	3849.5	3853.7	3857.9	3862.1	3866.3	3870.5	3874.7	3878.9	3883.1	3887.3	3891.5</

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u^*_e and number $no.$ = 00 .. 15

elementary hue text:

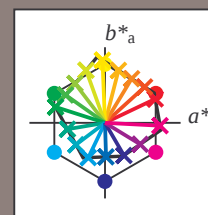
$u^*_e = 16$ hues $r00j$, $r25j$, ..., $b75r$

contrast reduction factor:

$c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut

$u^*_{rel} = 89$

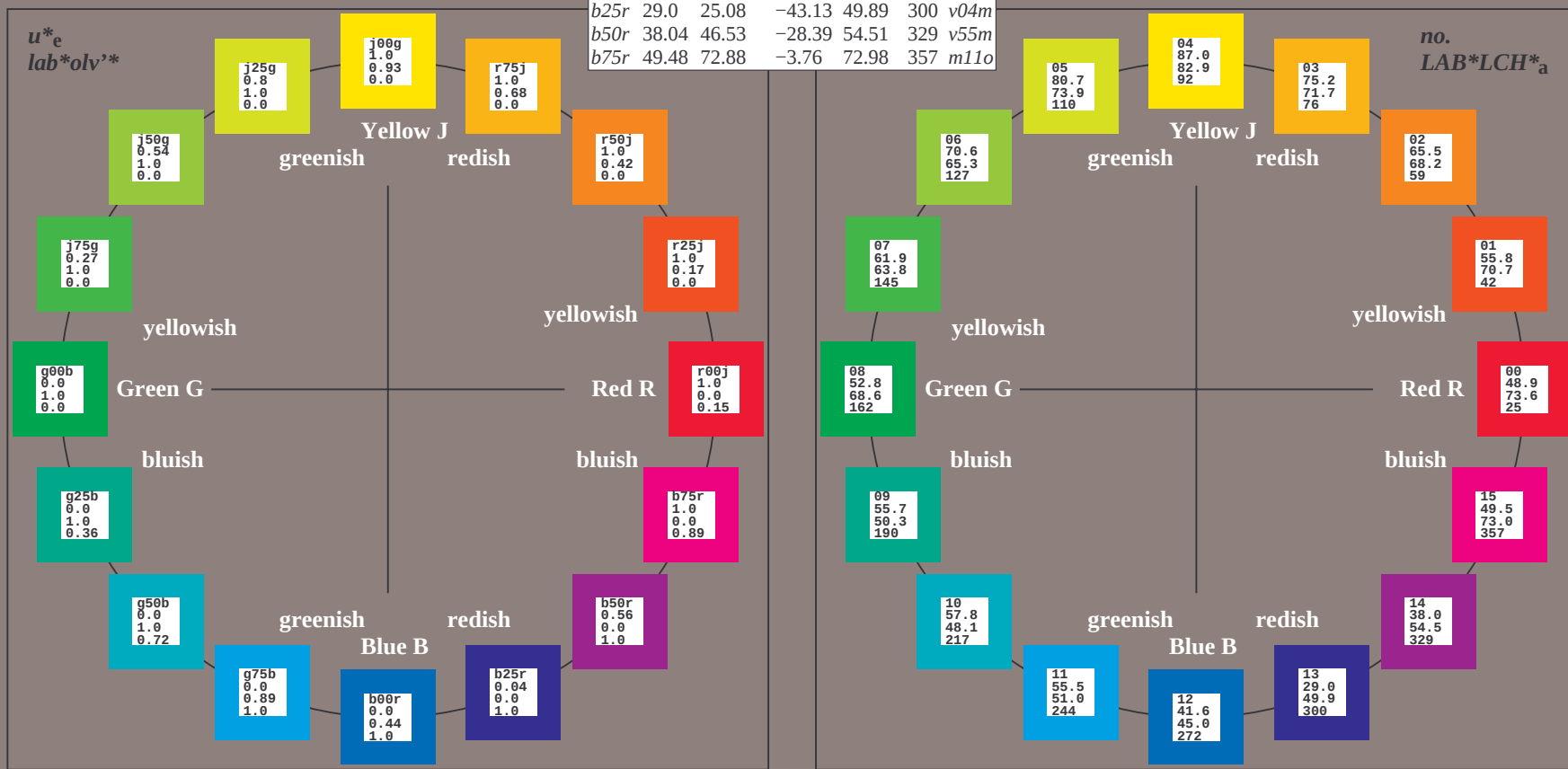
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.071$

data for any colour:

lab^*tch^* and lab^*icu^*

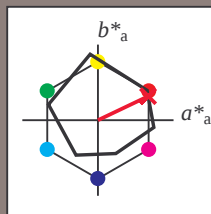
Hue texts:

$u^*_e = r00j$ $u^*_d = m84o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 49 66 32

$LAB^*LCH^*_{Ma}$: 49 74 25

$lab^*rgb^*_{Ma}$: 1.0 0.0 0.0

$lab^*olv^*_{Ma}$: 1.0 0.0 0.15

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

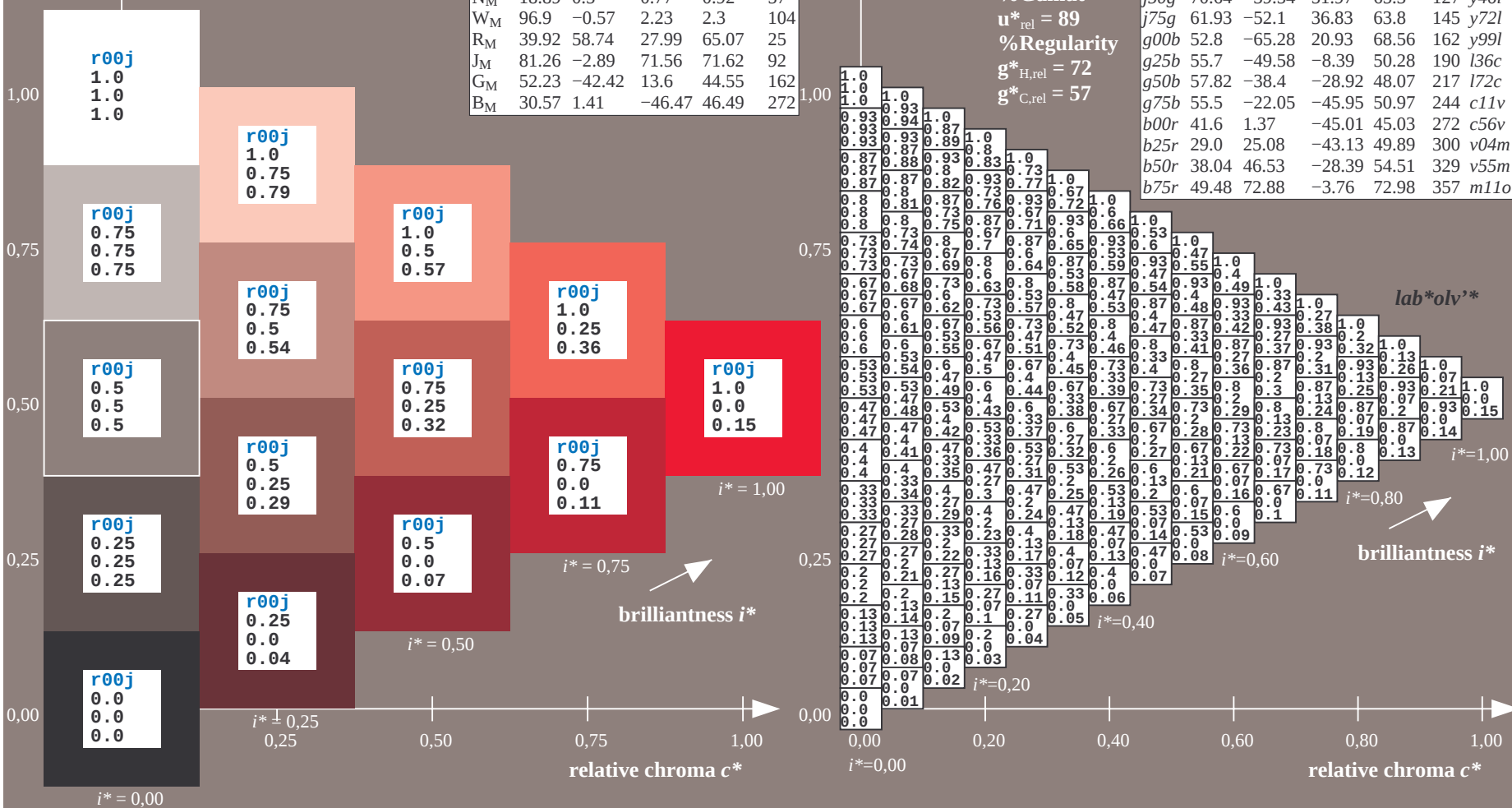
% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

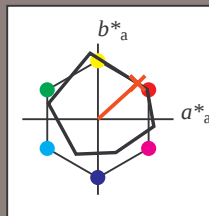
ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = r25j$ $u^*_d = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.25 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 0.0

triangle lightness t^*

% Gamut

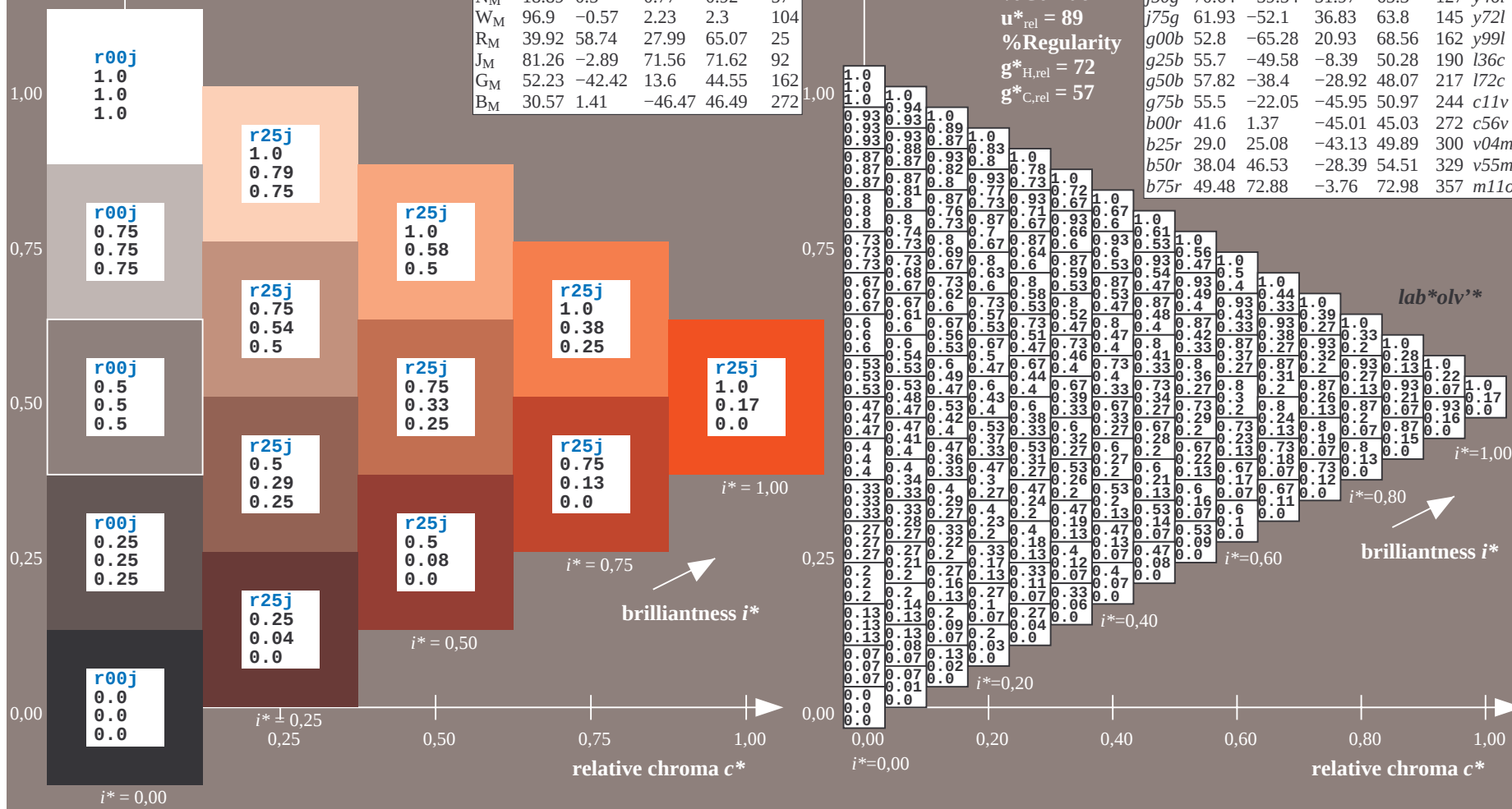
$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

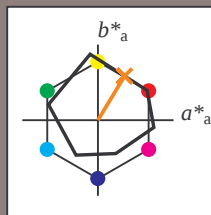
Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	-2.89	71.56	71.62	92
G_M	52.23	-42.42	13.6	44.55	162
B_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 65 35 58

$\text{LAB}^*\text{LCH}^*_{Ma}$: 65 68 58

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.5 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.42 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$

data for any colour:

lab^*tch^* and lab^*icu^*

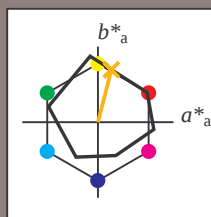
Hue texts:

$u^*_e = r75j$ $u^*_d = o67y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	-2.89	71.56	71.62	92
G_M	52.23	-42.42	13.6	44.55	162
B_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 75 72 75

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.75 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.68 0.0

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

% Regularity

$g^*_{H,rel} = 72$

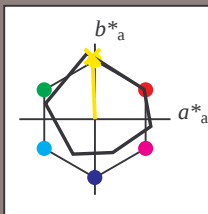
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j00g$ $u_d^* = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 87 -3 83$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 87 83 92$

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 1.0 1.0 0.0$

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 0.93 0.0$

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$

%Regularity

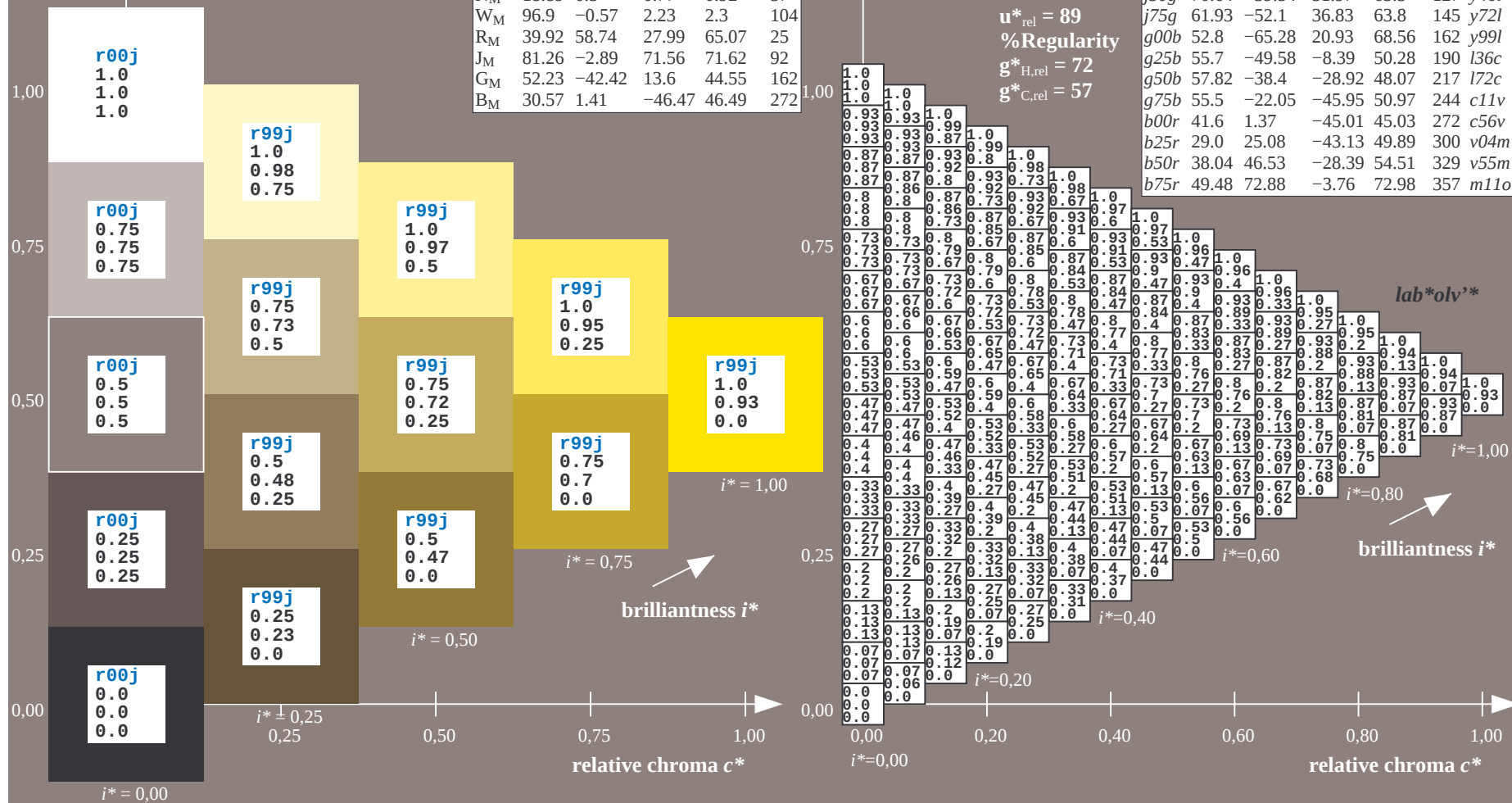
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data						
u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee14/; www.ps.bam.de/Ee14/
Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

BAM registration: 20081001-Fe14/10L/L14E00NA.PS/.TXT BAM material: code=rhdata
application for evaluation and measurement of printer or monitor systems



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

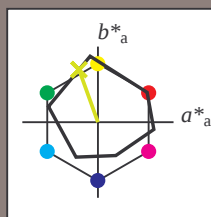
Hue texts:

$u^*_e = j25g$ $u^*_d = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	-2.89	71.56	71.62	92
G_M	52.23	-42.42	13.6	44.55	162
B_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 81 -25 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 81 74 109

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.75 1.0 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.8 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.354$

data for any colour:

lab^*tch^* and lab^*icu^*

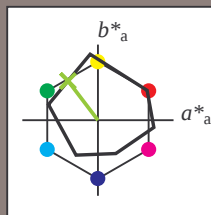
Hue texts:

$u^*_e = j50g$ $u^*_d = y46l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 71 -40 52

$LAB^*LCH^*_{Ma}$: 71 65 127

$lab^*rgb^*_{Ma}$: 0.5 1.0 0.0

$lab^*olv^*_{Ma}$: 0.54 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$

data for any colour:

lab^*tch^* and lab^*icu^*

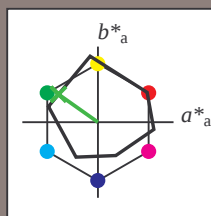
Hue texts:

$u^*_e = j75g$ $u^*_d = y72l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.25 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

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^*

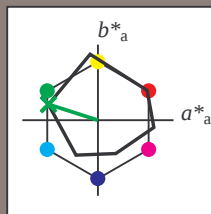
Hue texts:

$u^*_e = g00b$ $u^*_d = y99l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 53 69 162

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

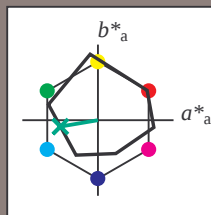
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g25b$ $u_d^* = l36c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 50 189

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 1.0 0.5

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

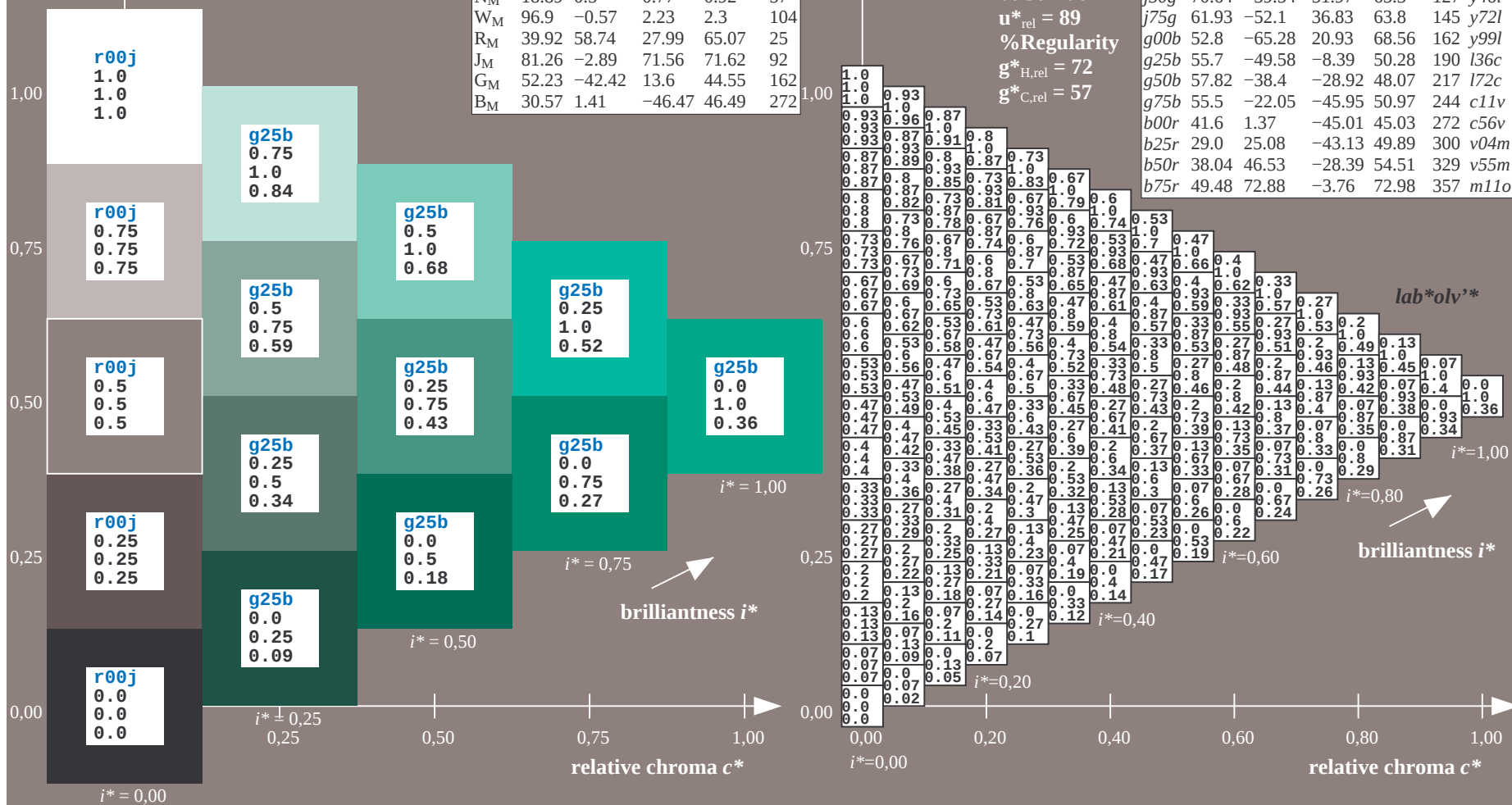
$u^*_{\text{rel}} = 89$

%Regularity

$g^*_{H,\text{rel}} = 72$

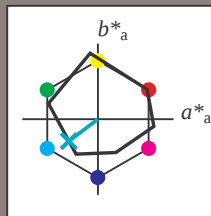
$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data									
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g50b$ $u_d^* = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u_e^*	$L^*=L_a^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 58 48 216

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 1.0 1.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 1.0 0.72

triangle lightness t^*

% Gamut

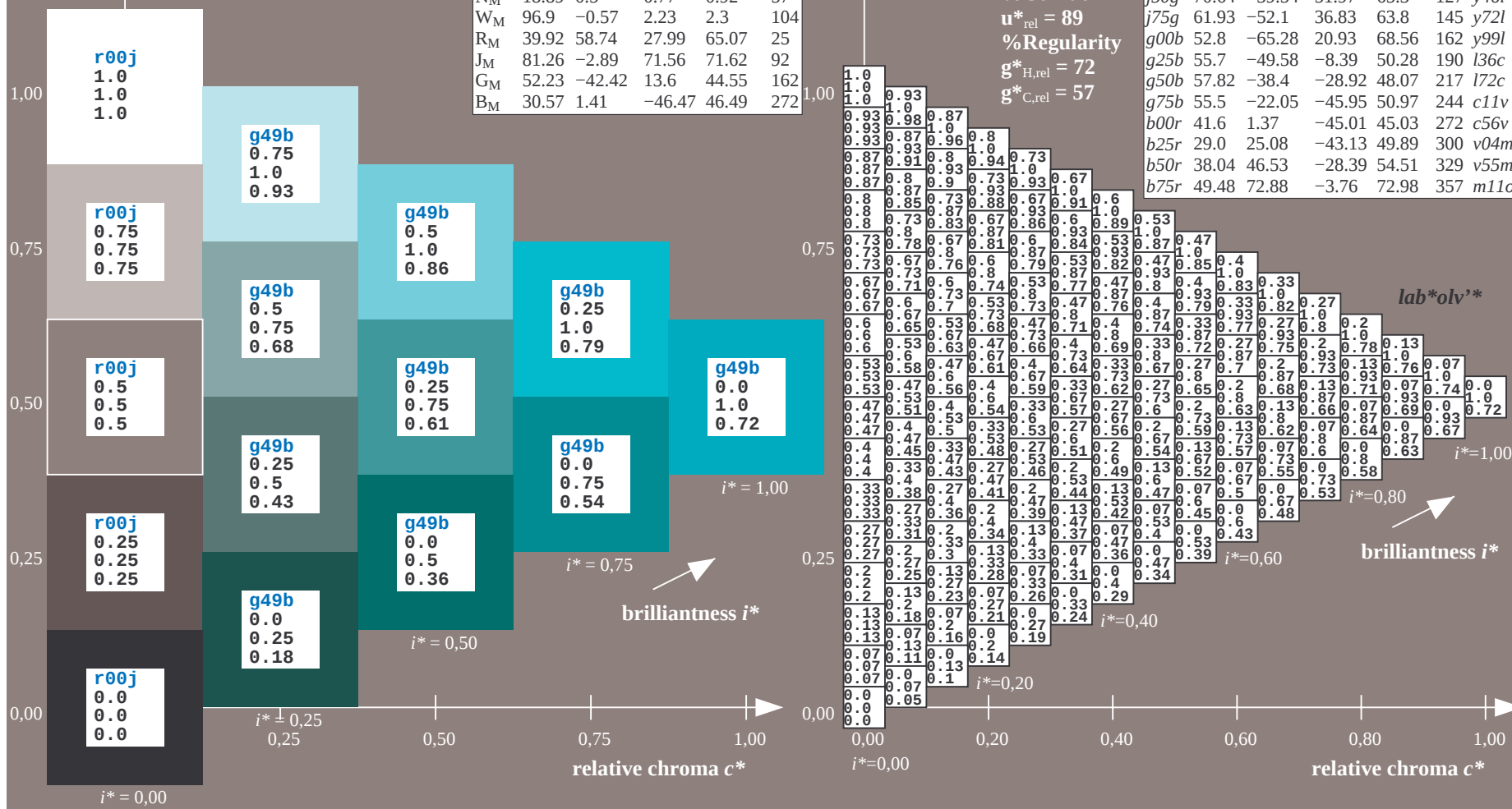
$u^*_{\text{rel}} = 89$

% Regularity

$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$

data for any colour:

lab^*tch^* and lab^*icu^*

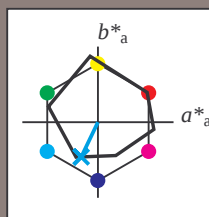
Hue texts:

$u_e^* = g75b$ $u_d^* = c11v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u_e^*	$L^*=L^*$	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
R_M	39.92	58.74	27.99	65.07	25
J_M	81.26	-2.89	71.56	71.62	92
G_M	52.23	-42.42	13.6	44.55	162
B_M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{Ma}$: 55 51 244

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.5 1.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.89 1.0

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

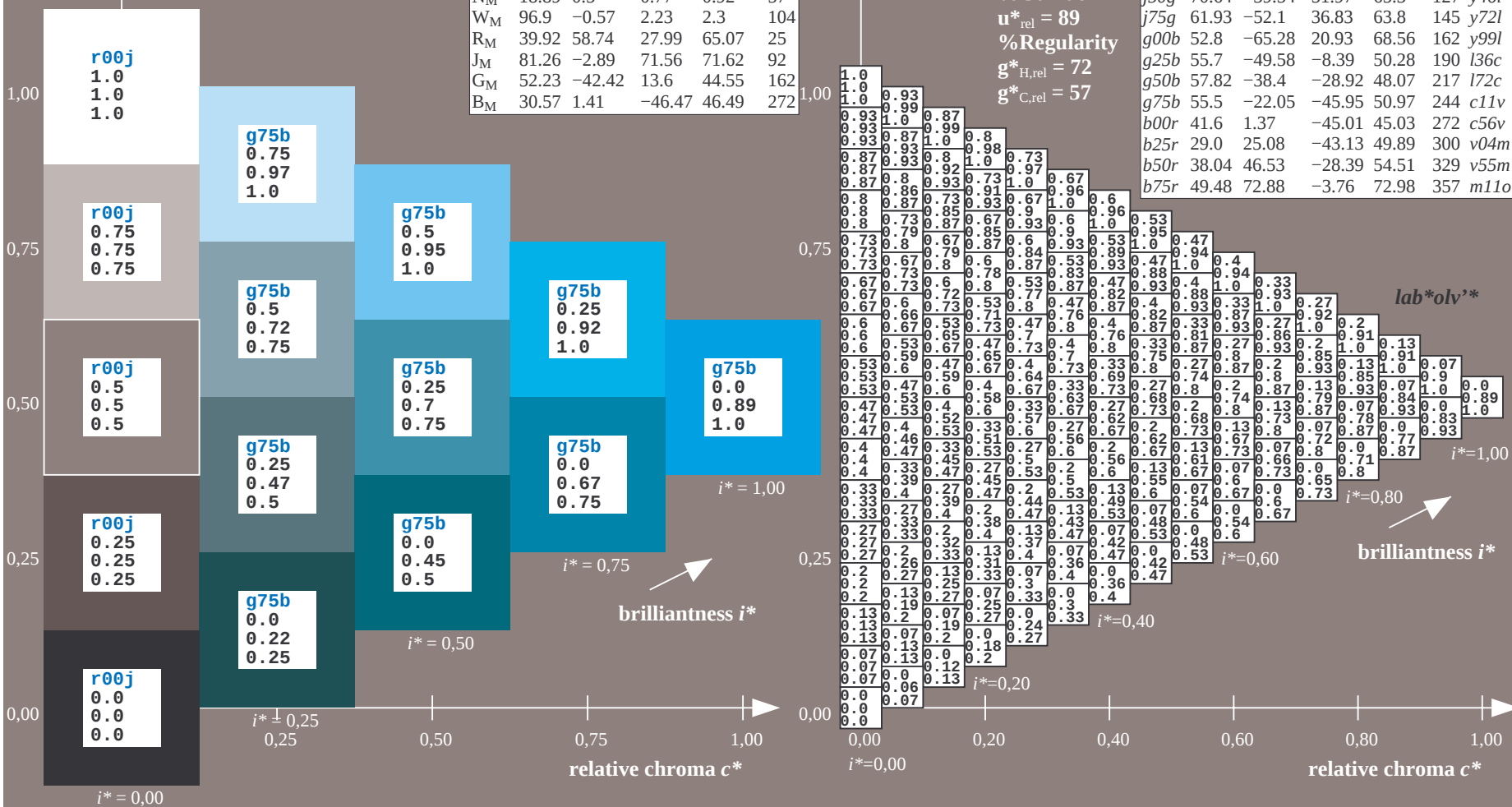
%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

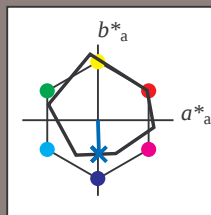
Hue texts:

$u^*_e = b00r$ $u^*_d = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 42 45 271

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.0 1.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.44 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

lab^*olv^*

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

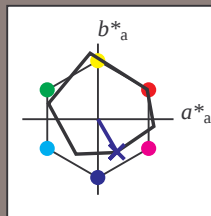
$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.834$ data for any colour: Data for maximum colour (Ma):

$u^*_e = b25r$
 $lab^*olv'^*$

Hue texts:
 $u^*_e = b25r$ $u^*_d = v04m$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 29 25 -43

LAB*LCH*Ma: 29 50 300

lab*rag*Ma: 0.5 0.0 1.0

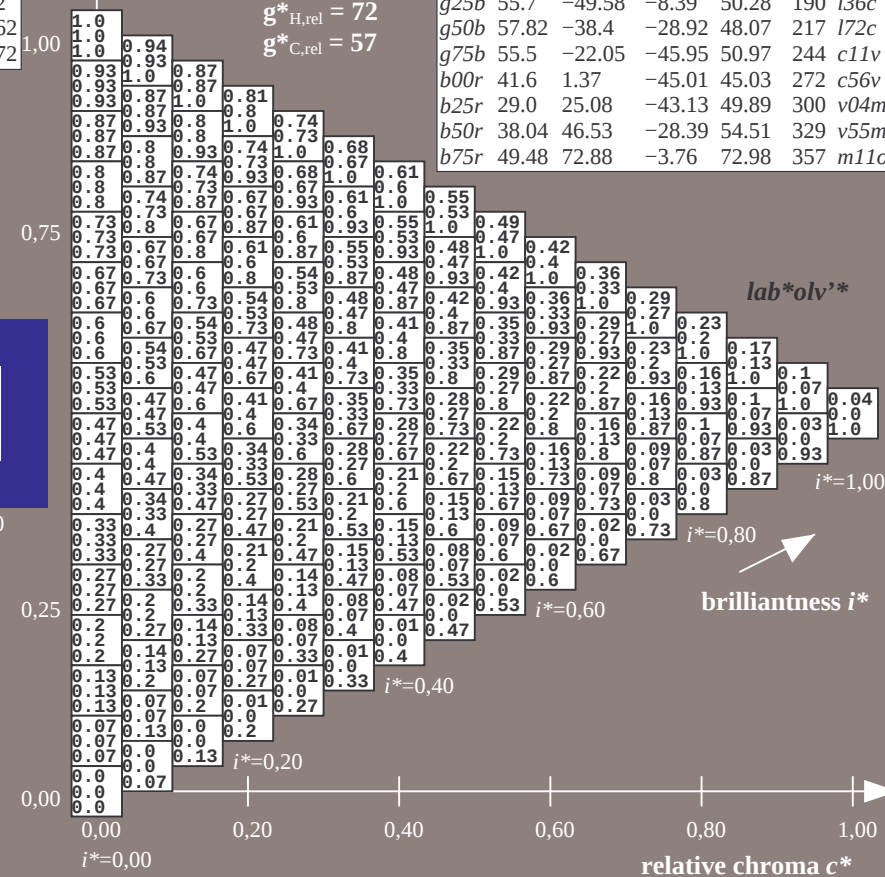
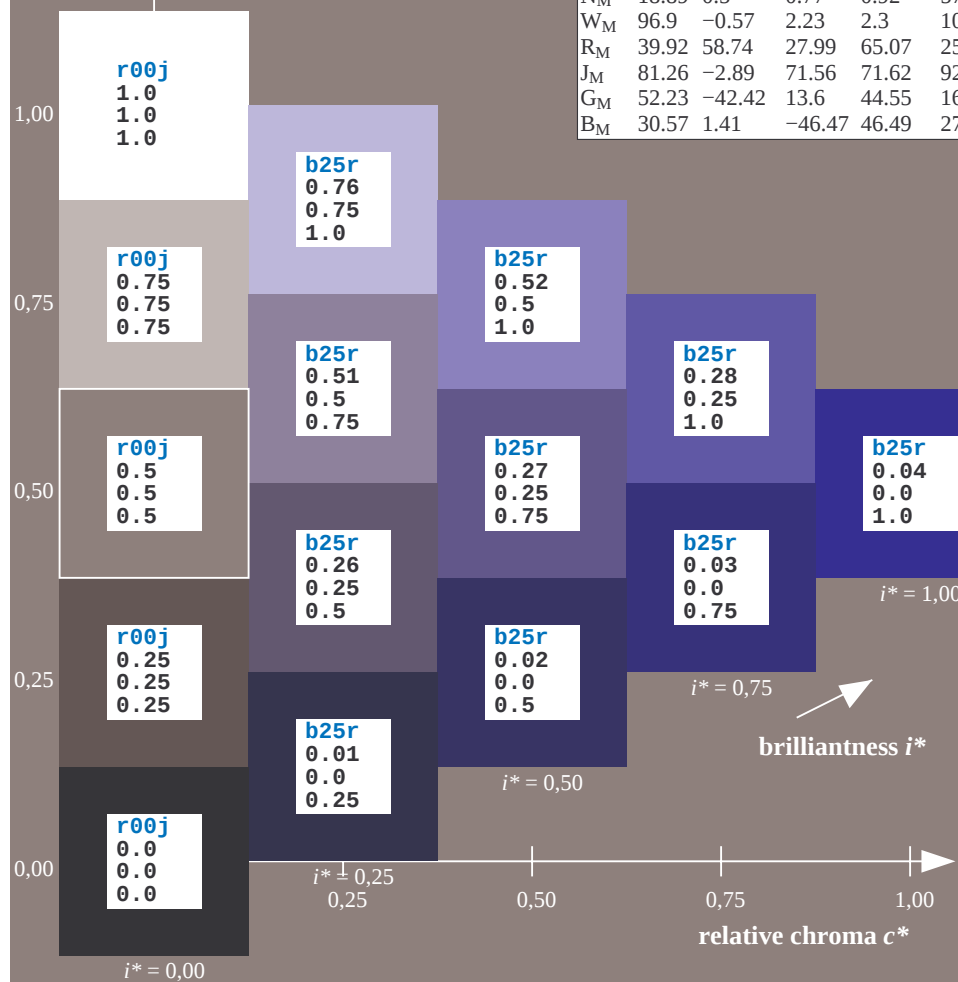
*lab*olv**M₃: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

$u^*_{\text{rel}} = 89$
 %Regularity
 $g^*_{\text{H,rel}} = 72$
 $g^*_{\text{C,rel}} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a_a^*	b_a^*	$C_{ab,a}^*$	$h_{ab,a}^*$	u_d^*	
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84c</i>	
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>	
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>	
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>	
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>	
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>	
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>	
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>	
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>	
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>i36c</i>	
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>i72c</i>	
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11v</i>	
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>	
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>	
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>	
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11c</i>	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$

data for any colour:

lab^*tch^* and lab^*icu^*

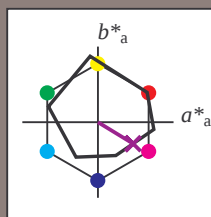
Hue texts:

$u^*_e = b50r$ $u^*_d = v55m$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 38 55 328

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.0 1.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.56 0.0 1.0

triangle lightness t^*

% Gamut

$u^*_{\text{rel}} = 89$

% Regularity

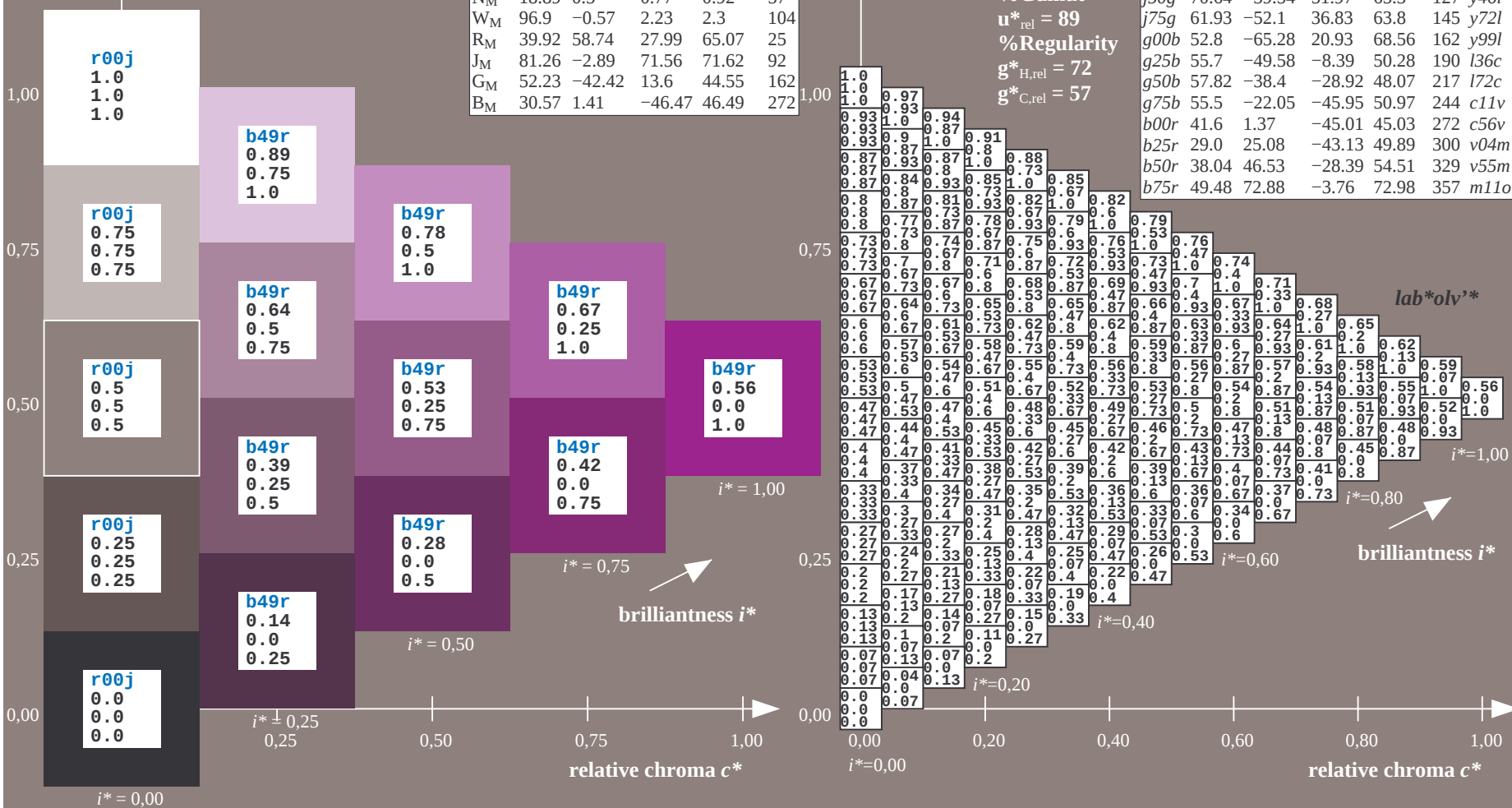
$g^*_{H,\text{rel}} = 72$

$g^*_{C,\text{rel}} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$u^*_e = b50r$
 $\text{lab}^*\text{olv}^*_{\text{Ma}}$



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.992$

data for any colour:

lab^*tch^* and lab^*icu^*

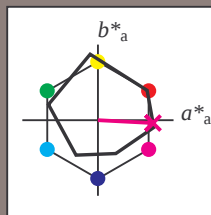
Hue texts:

$u^*_e = b75r$ $u^*_d = m11o$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*_a$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 49 73 -4

$\text{LAB}^*\text{LCH}^*_{Ma}$: 49 73 357

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 0.5

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.0 0.89

triangle lightness t^*

% Gamut

$u^*_{rel} = 89$

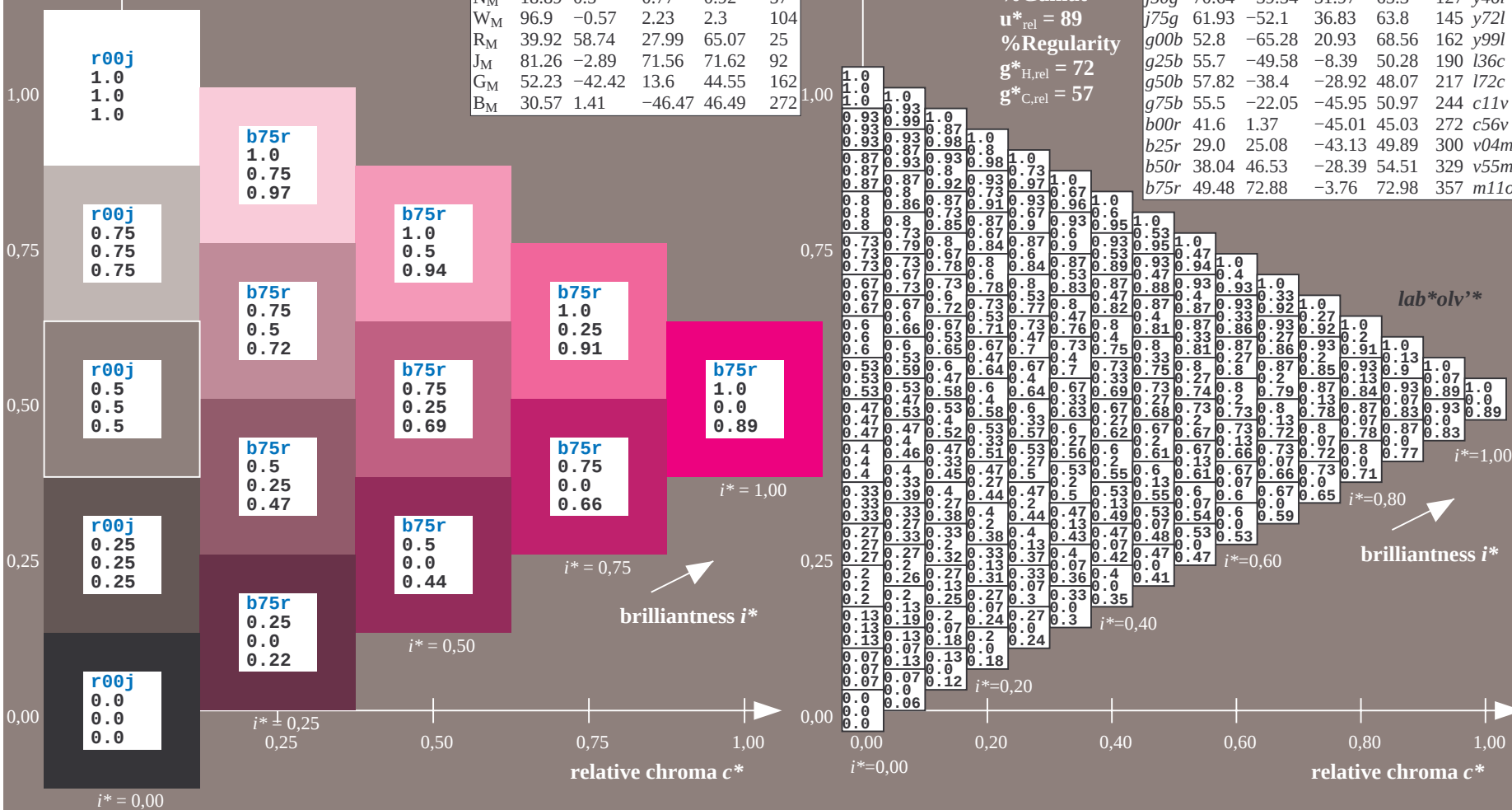
% Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o



BAM-test chart Ee14; Colorimetric systems, Page 252/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmY0* setcmykcolor
```

BAM registration: 20081001-Ee14/10/L14E00NA.PS/.TXT BAM material: code=rha4ta
application for evaluation and measurement of printer or monitor systems

BAM material: code=rh4ta

See for similar files: <http://www.ps.bam.de/Ee14/>; www.ps.bam.de/Ee.HTM
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1,1, ColSpx=0

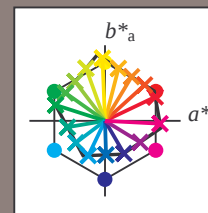
[illegible]

Input and output:
Colorimetric Printer Reflective System ORS19_96a
data for any colour:

u^*_e and number $no.$ = 00 .. 15
elementary hue text:
 u^*_e = 16 hues $r00j$, $r25j$, ..., $b75r$
contrast reduction factor:
 $c_R = 1.0$

ORS19_96a; adapted (a) CIELAB data

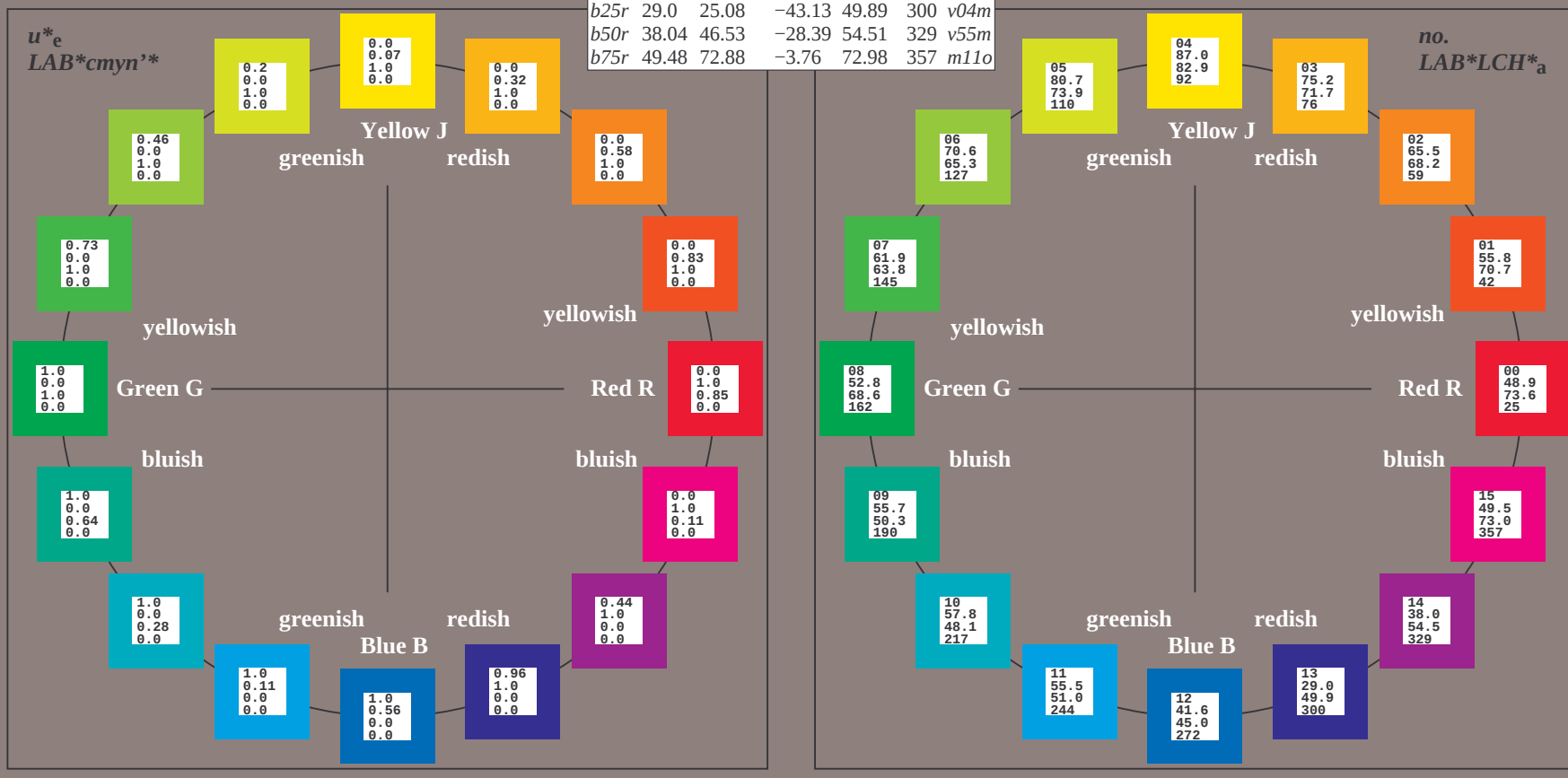
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
$r00j$	48.88	66.47	31.67	73.63	25	$m84o$
$r25j$	55.85	52.39	47.48	70.7	42	$o17y$
$r50j$	65.45	35.22	58.37	68.17	59	$o42y$
$r75j$	75.19	17.82	69.41	71.66	76	$o67y$
$j00g$	87.03	-3.35	82.83	82.9	92	$o92y$
$j25g$	80.72	-25.01	69.5	73.86	110	$y20l$
$j50g$	70.64	-39.54	51.97	65.3	127	$y46l$
$j75g$	61.93	-52.1	36.83	63.8	145	$y72l$
$g00b$	52.8	-65.28	20.93	68.56	162	$y99l$
$g25b$	55.7	-49.58	-8.39	50.28	190	$l36c$
$g50b$	57.82	-38.4	-28.92	48.07	217	$l72c$
$g75b$	55.5	-22.05	-45.95	50.97	244	$c11v$
$b00r$	41.6	1.37	-45.01	45.03	272	$c56v$
$b25r$	29.0	25.08	-43.13	49.89	300	$v04m$
$b50r$	38.04	46.53	-28.39	54.51	329	$v55m$
$b75r$	49.48	72.88	-3.76	72.98	357	$m11o$



%Gamut
 $u^*_{rel} = 89$
%Regularity
 $g^*_{H,rel} = 72$
 $g^*_{C,rel} = 57$

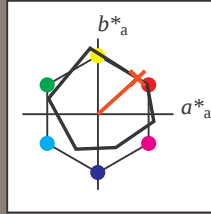
ORS19_96a; CIELAB data

Name	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}
O_M	48.75	65.16	40.76	76.86	32
Y_M	90.92	-10.78	89.36	90.01	97
L_M	52.69	-65.4	22.15	69.05	161
C_M	59.61	-29.04	-44.69	53.3	237
V_M	28.39	24.0	-43.18	49.4	299
M_M	49.58	74.01	-8.22	74.47	354
N_M	18.89	0.5	0.77	0.92	57
W_M	96.9	-0.57	2.23	2.3	104
R_{CIE}	39.92	58.74	27.99	65.07	25
J_{CIE}	81.26	-2.89	71.56	71.62	92
G_{CIE}	52.23	-42.42	13.6	44.55	162
B_{CIE}	30.57	1.41	-46.47	46.49	272



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.117$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r25j$ $u_d^* = o17y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 56 52 47

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 56 71 42

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 1.0 0.25 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 1.0 0.17 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_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.164$

data for any colour:

lab^*tch^* and lab^*icu^*

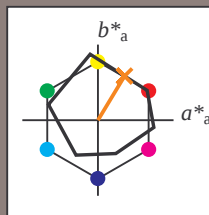
Hue texts:

$u^*_e = r50j$ $u^*_d = o42y$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 65 35 58

LAB^*LCH^*Ma : 65 68 58

lab^*rgb^*Ma : 1.0 0.5 0.0

lab^*olv^*Ma : 1.0 0.42 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

LAB^*cmyn^*

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

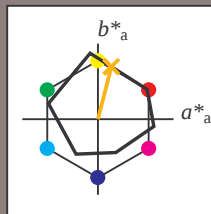
$i^* = 0.00$

$i^* = 0.00$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.21$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = r75j$ $u_d^* = o67y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 75 18 69

$\text{LAB}^*\text{LCH}^*_{Ma}$: 75 72 75

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.75 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 1.0 0.68 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_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

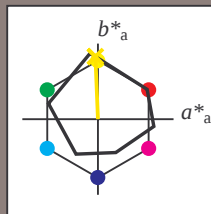
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.256$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = j00g$ $u^*_d = o92y$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}: 87 -3 83$

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}: 87 83 92$

$\text{lab}^*\text{rgb}^*_{\text{Ma}}: 1.0 1.0 0.0$

$\text{lab}^*\text{olv}^*_{\text{Ma}}: 1.0 0.93 0.0$

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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

$\text{LAB}^*\text{cmyn}^*_{\text{Ma}}$

$i^* = 1.00$

$i^* = 0.80$

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 $h^* = lab^*h^* = h_{ab}/360 = 0.305$

data for any colour:

lab^*tch^* and lab^*icu^*

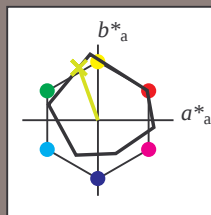
Hue texts:

$u^*_e = j25g$ $u^*_d = y20l$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u^*_e	$L^*=L^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$LAB^*LAB^*_{Ma}$: 81 -25 69

$LAB^*LCH^*_{Ma}$: 81 74 109

$lab^*rgb^*_{Ma}$: 0.75 1.0 0.0

$lab^*olv^*_{Ma}$: 0.8 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$LAB^*cmy^n^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

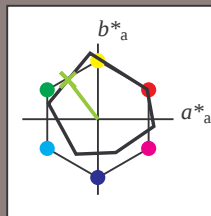
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.354$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j50g$ $u_d^* = y46l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 71 -40 52

$\text{LAB}^*\text{LCH}^*_{Ma}$: 71 65 127

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.5 1.0 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.54 1.0 0.0

triangle lightness t^*

%Gamut

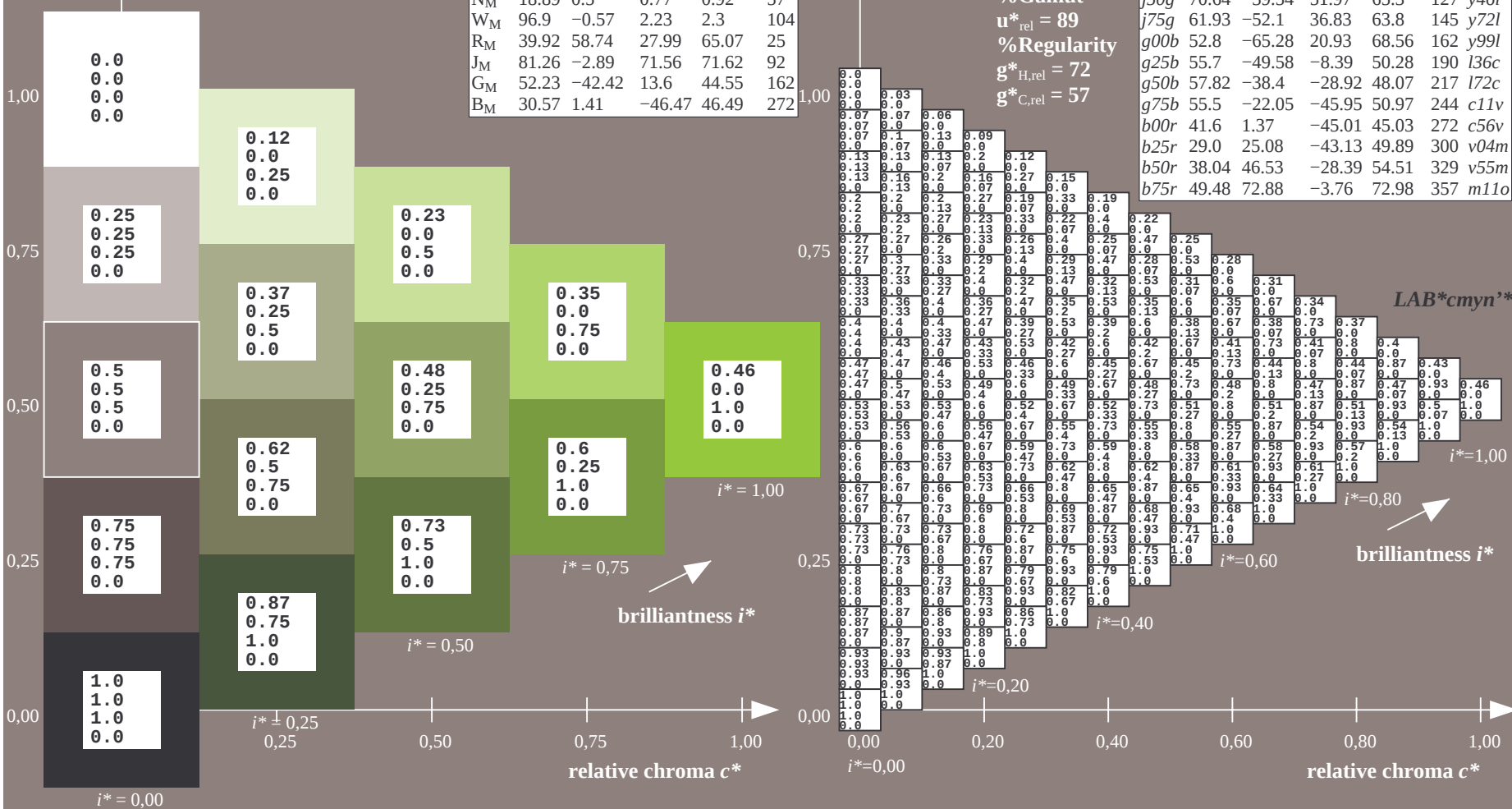
$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

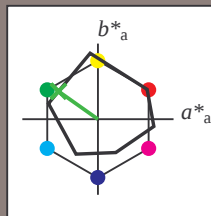
$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	



Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.402$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = j75g$ $u_d^* = y72l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 62 -52 37

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 62 64 144

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.25 1.0 0.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.27 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_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmy}^*\text{n}^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

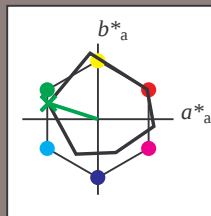
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.451$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g00b$ $u^*_d = y99l$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 53 -65 21

$\text{LAB}^*\text{LCH}^*_{Ma}$: 53 69 162

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.0

$\text{lab}^*\text{olv}^*_{Ma}$: 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^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

$\text{LAB}^*\text{cmy}^*\text{n}^*$

$i^* = 1.00$

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 $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.527$
data for any colour:

lab^*tch^* and lab^*icu^*

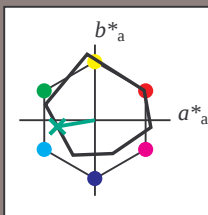
Hue texts:

$u_e^* = g25b$ $u_d^* = l36c$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data

u_e^*	$L^*=L^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 56 -50 -8

$\text{LAB}^*\text{LCH}^*_{Ma}$: 56 50 189

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 0.5

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.36

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data

u_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*
r00j	48.88	66.47	31.67	73.63	25	m84o
r25j	55.85	52.39	47.48	70.7	42	o17y
r50j	65.45	35.22	58.37	68.17	59	o42y
r75j	75.19	17.82	69.41	71.66	76	o67y
j00g	87.03	-3.35	82.83	82.9	92	o92y
j25g	80.72	-25.01	69.5	73.86	110	y20l
j50g	70.64	-39.54	51.97	65.3	127	y46l
j75g	61.93	-52.1	36.83	63.8	145	y72l
g00b	52.8	-65.28	20.93	68.56	162	y99l
g25b	55.7	-49.58	-8.39	50.28	190	l36c
g50b	57.82	-38.4	-28.92	48.07	217	l72c
g75b	55.5	-22.05	-45.95	50.97	244	c11v
b00r	41.6	1.37	-45.01	45.03	272	c56v
b25r	29.0	25.08	-43.13	49.89	300	v04m
b50r	38.04	46.53	-28.39	54.51	329	v55m
b75r	49.48	72.88	-3.76	72.98	357	m11o

$\text{LAB}^*\text{cmy}^*_{n''}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

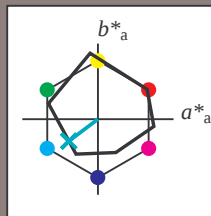
$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.603$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u^*_e = g50b$ $u^*_d = l72c$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*_a$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 58 -38 -29

$\text{LAB}^*\text{LCH}^*_{Ma}$: 58 48 216

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 1.0 1.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 1.0 0.72

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data									
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d			
r00j	48.88	66.47	31.67	73.63	25	m84o			
r25j	55.85	52.39	47.48	70.7	42	o17y			
r50j	65.45	35.22	58.37	68.17	59	o42y			
r75j	75.19	17.82	69.41	71.66	76	o67y			
j00g	87.03	-3.35	82.83	82.9	92	o92y			
j25g	80.72	-25.01	69.5	73.86	110	y20l			
j50g	70.64	-39.54	51.97	65.3	127	y46l			
j75g	61.93	-52.1	36.83	63.8	145	y72l			
g00b	52.8	-65.28	20.93	68.56	162	y99l			
g25b	55.7	-49.58	-8.39	50.28	190	l36c			
g50b	57.82	-38.4	-28.92	48.07	217	l72c			
g75b	55.5	-22.05	-45.95	50.97	244	c11v			
b00r	41.6	1.37	-45.01	45.03	272	c56v			
b25r	29.0	25.08	-43.13	49.89	300	v04m			
b50r	38.04	46.53	-28.39	54.51	329	v55m			
b75r	49.48	72.88	-3.76	72.98	357	m11o			

$\text{LAB}^*\text{cmyn}^*_{**}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

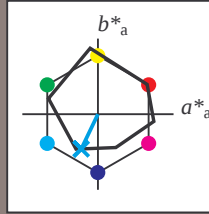
$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.679$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = g75b$ $u_d^* = c11v$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data					
u_e^*	$L^*=L_a^*$	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
R _M	39.92	58.74	27.99	65.07	25
J _M	81.26	-2.89	71.56	71.62	92
G _M	52.23	-42.42	13.6	44.55	162
B _M	30.57	1.41	-46.47	46.49	272

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{\text{Ma}}$: 55 -22 -46

$\text{LAB}^*\text{LCH}^*_{\text{Ma}}$: 55 51 244

$\text{lab}^*\text{rgb}^*_{\text{Ma}}$: 0.0 0.5 1.0

$\text{lab}^*\text{olv}^*_{\text{Ma}}$: 0.0 0.89 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_e^*	$L^*=L_a^*$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmyn}^*_{\text{Ma}}$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.755$

data for any colour:

lab^*tch^* and lab^*icu^*

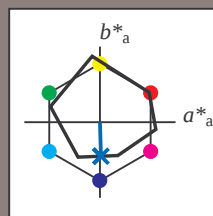
Hue texts:

$u_e^* = b00r$ $u_d^* = c56v$

contrast reduction factor:

$c_R = 1.0$

triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 42 1 -45

$\text{LAB}^*\text{LCH}^*_{Ma}$: 42 45 271

$\text{lab}^*\text{rgb}^*_{Ma}$: 0.0 0.0 1.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.0 0.44 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_e^*	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmyn}^*$

$i^* = 1.00$

brilliantness i^*

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

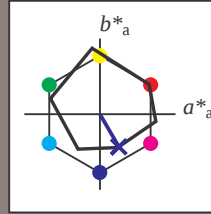
relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab \cdot h^* = h_{ab}/360 = 0.834$
data for any colour: Data for maximum colour (Ma):

$u_e^* = b25r$
LAB*cmyn**

Hue texts:
 $u^*_e = b25r$ $u^*_d = v04m$
 contrast reduction factor:
 $c_R = 1.0$
 triangle lightness t^*



ORS19_96a; CIELAB data						
u^*_e	$L^*=L^*$	a^*	b^*	C^*_{ab}	h^*_{ab}	
O _M	48.75	65.16	40.76	76.86	32	97
Y _M	90.92	-10.78	89.36	90.01	17	96
L _M	52.69	-65.4	22.15	69.05	16	97
C _M	59.61	-29.04	-44.69	53.3	23	96
V _M	28.39	24.0	-43.18	49.4	29	96
M _M	49.58	74.01	-8.22	74.47	35	97
N _M	18.89	0.5	0.77	0.92	57	96
W _M	96.9	-0.57	2.23	2.3	10	96
R _M	39.92	58.74	27.99	65.07	25	96
J _M	81.26	-2.89	71.56	71.62	92	96
G _M	52.23	-42.42	13.6	44.55	16	96
B _M	30.57	1.41	-46.47	46.49	27	96

Data for maximum colour (Ma):

LAB*LAB*_{Ma}: 29 25 -43

***LAB*LCH**_{Ma}: 29 50 300**

*lab*rgb*_{Ma}: 0.5 0.0 1.0

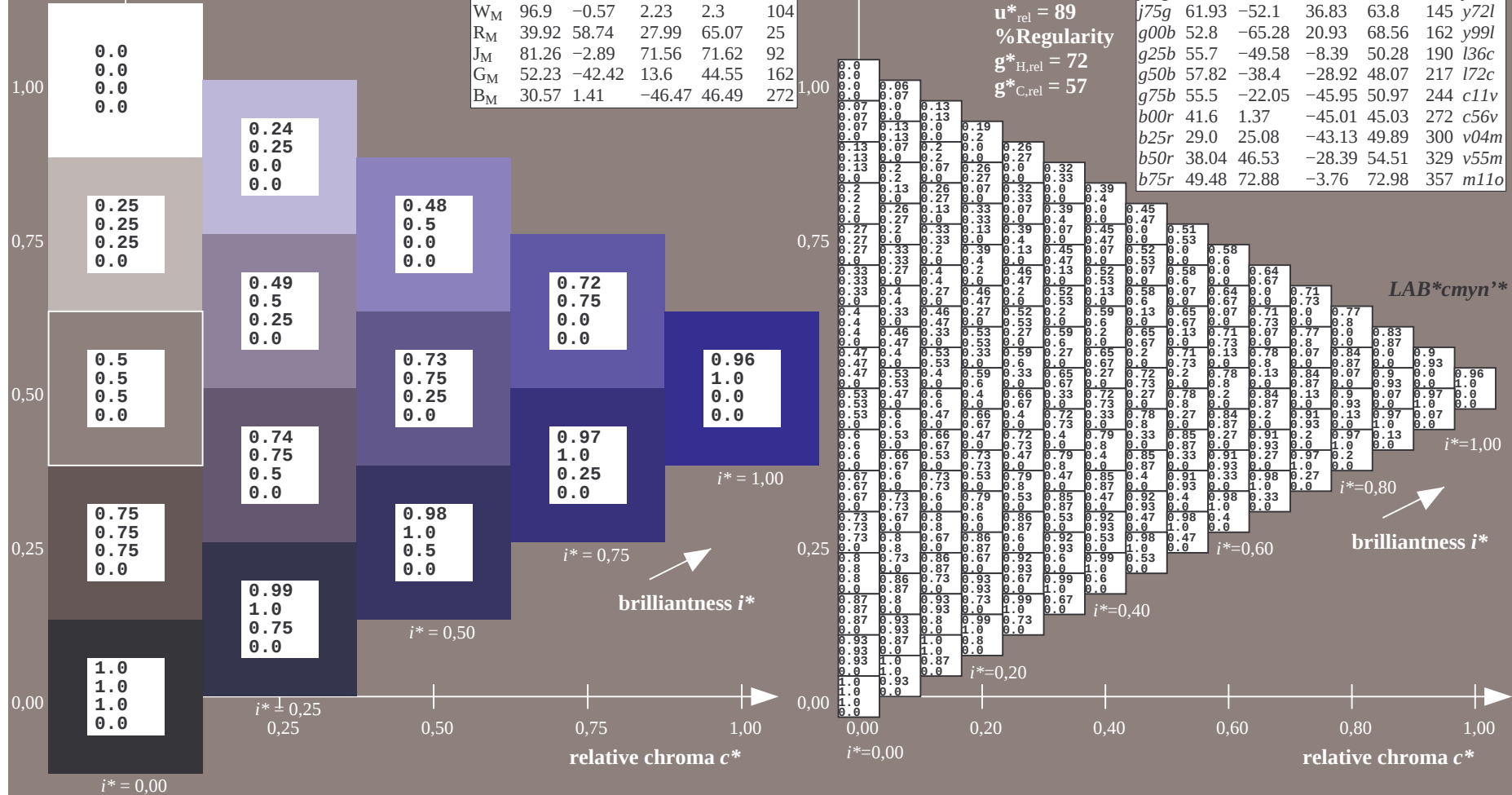
lab*olv*_{Ma}: 0.04 0.0 1.0

triangle lightness t^*

%Gamut

$u_{rel}^* = 89$
 %Regularity
 $g_{H,rel}^* = 72$
 $g_{C,rel}^* = 57$

ORS19_96a; adapted (a) CIELAB data						
u^*_e	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$	u^*_d
<i>r00j</i>	48.88	66.47	31.67	73.63	25	<i>m84o</i>
<i>r25j</i>	55.85	52.39	47.48	70.7	42	<i>o17y</i>
<i>r50j</i>	65.45	35.22	58.37	68.17	59	<i>o42y</i>
<i>r75j</i>	75.19	17.82	69.41	71.66	76	<i>o67y</i>
<i>j00g</i>	87.03	-3.35	82.83	82.9	92	<i>o92y</i>
<i>j25g</i>	80.72	-25.01	69.5	73.86	110	<i>y20l</i>
<i>j50g</i>	70.64	-39.54	51.97	65.3	127	<i>y46l</i>
<i>j75g</i>	61.93	-52.1	36.83	63.8	145	<i>y72l</i>
<i>g00b</i>	52.8	-65.28	20.93	68.56	162	<i>y99l</i>
<i>g25b</i>	55.7	-49.58	-8.39	50.28	190	<i>l36c</i>
<i>g50b</i>	57.82	-38.4	-28.92	48.07	217	<i>l72c</i>
<i>g75b</i>	55.5	-22.05	-45.95	50.97	244	<i>c11lv</i>
<i>b00r</i>	41.6	1.37	-45.01	45.03	272	<i>c56v</i>
<i>b25r</i>	29.0	25.08	-43.13	49.89	300	<i>v04m</i>
<i>b50r</i>	38.04	46.53	-28.39	54.51	329	<i>v55m</i>
<i>b75r</i>	49.48	72.88	-3.76	72.98	357	<i>m11o</i>



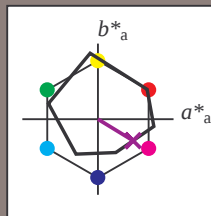
BAM-test chart Ee14; Colorimetric systems, Page 267/270
3 separations and 9 data tables for 16 hues $r00j$ to $b75r$

```
input: 000n / w / nnn0 / www set...
output: ->cmy0* setcmykcolor
```

BAM registration: 20081001-Ee14/10L/14E00NA.PS/.TXT BAM material: code=rh4ta4
application for evaluation and measurement of printer or monitor systems

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = \text{lab}^*h^* = h_{ab}/360 = 0.913$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b50r$ $u_d^* = v55m$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

$\text{LAB}^*\text{LAB}^*_{Ma}$: 38 47 -28

$\text{LAB}^*\text{LCH}^*_{Ma}$: 38 55 328

$\text{lab}^*\text{rgb}^*_{Ma}$: 1.0 0.0 1.0

$\text{lab}^*\text{olv}^*_{Ma}$: 0.56 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_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$\text{LAB}^*\text{cmy}^*\text{n}^*$

$i^*=1.00$

brilliantness i^*

$i^*=0.80$

$i^*=0.60$

$i^*=0.40$

$i^*=0.20$

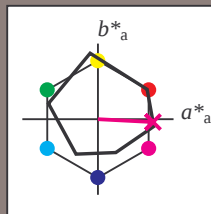
$i^*=0.00$

relative chroma c^*

relative chroma c^*

Input and output: Colorimetric Printer Reflective System ORS19_96a for relative CIELAB hue $h^* = lab^*h^* = h_{ab}/360 = 0.992$
data for any colour:
 lab^*tch^* and lab^*icu^*

Hue texts:
 $u_e^* = b75r$ $u_d^* = m11o$
contrast reduction factor:
 $c_R = 1.0$
triangle lightness t^*



ORS19_96a; CIELAB data						
u_e^*	$L^*=L_a^*$	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	
R _M	39.92	58.74	27.99	65.07	25	
J _M	81.26	-2.89	71.56	71.62	92	
G _M	52.23	-42.42	13.6	44.55	162	
B _M	30.57	1.41	-46.47	46.49	272	

Data for maximum colour (Ma):

LAB^*LAB^*Ma : 49 73 -4

LAB^*LCH^*Ma : 49 73 357

lab^*rgb^*Ma : 1.0 0.0 0.5

lab^*olv^*Ma : 1.0 0.0 0.89

triangle lightness t^*

%Gamut

$u^*_{rel} = 89$

%Regularity

$g^*_{H,rel} = 72$

$g^*_{C,rel} = 57$

ORS19_96a; adapted (a) CIELAB data							
u_e^*	$L^*=L_a^*$	a^*	b^*	$C^*_{ab,a}$	$h^*_{ab,a}$	u_d^*	
r00j	48.88	66.47	31.67	73.63	25	m84o	
r25j	55.85	52.39	47.48	70.7	42	o17y	
r50j	65.45	35.22	58.37	68.17	59	o42y	
r75j	75.19	17.82	69.41	71.66	76	o67y	
j00g	87.03	-3.35	82.83	82.9	92	o92y	
j25g	80.72	-25.01	69.5	73.86	110	y20l	
j50g	70.64	-39.54	51.97	65.3	127	y46l	
j75g	61.93	-52.1	36.83	63.8	145	y72l	
g00b	52.8	-65.28	20.93	68.56	162	y99l	
g25b	55.7	-49.58	-8.39	50.28	190	l36c	
g50b	57.82	-38.4	-28.92	48.07	217	l72c	
g75b	55.5	-22.05	-45.95	50.97	244	c11v	
b00r	41.6	1.37	-45.01	45.03	272	c56v	
b25r	29.0	25.08	-43.13	49.89	300	v04m	
b50r	38.04	46.53	-28.39	54.51	329	v55m	
b75r	49.48	72.88	-3.76	72.98	357	m11o	

$LAB^*cmy^n^*$

$i^* = 1.00$

$i^* = 0.80$

$i^* = 0.60$

$i^* = 0.40$

$i^* = 0.20$

$i^* = 0.00$

brilliantness i^*

[illegible]